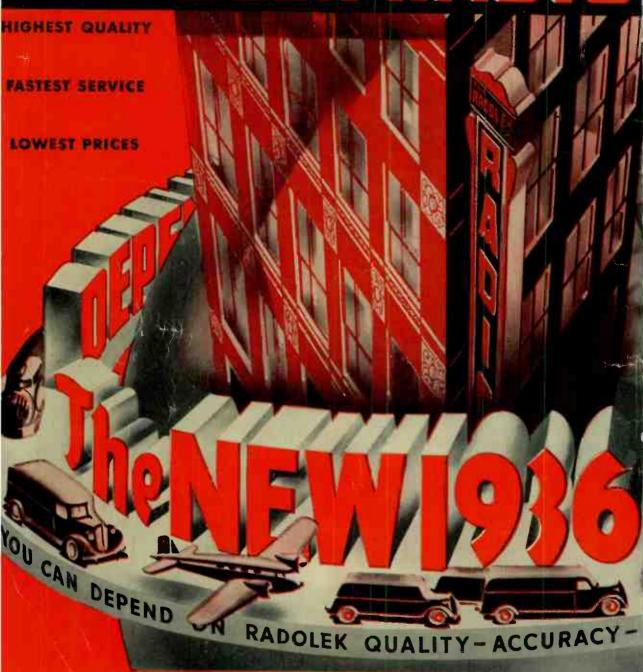
RAIDLEK RADIO



RADIO PROFIT CUIDE

> DEALERS RADIO BVICEWS:

HATTER EL

601 W. RANDOLPH ST. CHICAGO.

BATTERY RADIO Values!

Amateurs, Air Planes, Police Calls

NO"B'BATTERIES REDUIRED





PLUS PLUG-IN TYPE VIBRATOR

FEATURES

- ★Tunes 3 Bands 17 to 565 Meters.
- ★Giant 8 inch Dial with Band Spread Tuning Ratio.
- ★New "Zone Tuning"
 Scale with Exclusive
 Indexing System.
- ★13 Tuned Circuits.
- *3 Microvolt Sensitivity.
- ±10 Kc. Selectivity.
- *3 Gang Condenser with Pre-Selector Stage.
- ★2 Stages Double-Tuned I.F. (456 Kc.)
- ★8" Orthovox Permanent Magnet Dy-namic Speaker.
- *Push Pull Output Type "19" Pentode.
- ★Variable Personal Tone Control.
- *Automatic Volume Control.
- *Large Deluxe Chassis with Radio Robot.



For Rural Homes

7 Tube Battery Table Model

BJ10950—Completc with 7 Sylvania Tubes. with 7 Sylvania Tubes. Fitted with an 8 inch Orthovox Permanent Magnet Dynamic Speak-er. No Battery included. List Price, \$59.50. YOUR PRICE

Lots of 3, Each, \$31.77

Extremely Low Battery Drain Derates from only a 6 Volt Storage Battery. No "B" or "C" batteries required. The phenomenally low battery drain of only 1.7 amps. brings the actual operating cost down to approximately one cent an hour. No other type of Battery Receivers equal this economy. See page 7 for Storage Battery listing. tery listing.

tery listing.

Circuit Specifications

Tunes 3 Bands: 17 to 51, 52 to 174 and 174 to 565 Meters. High Gain Superheterodyne Circuit—13 Tuned Circuits—New Double-tuned 1.F. Coils—10 Kilocycle Selectivity—3 Microvolt Sensitivity. Large 3 gang rubber-mounted Variable Condenser coupled with two I.F. Stages permits tuning through local stations for distant or Foreign Reception. 7 High Efficiency Tubes: Types 1-1C6, 234, 3-30, 1-19 giving ten tube performance. The Continuously Variable Tone Control permits adjusting the radio to receive each program at its best. Push-Pull Output into an 8" Orthovox Speaker provides mellow lifelike tone. Automatic Volume Control eliminates inter-station noise when tuning and minates inter-station noise when tuning and counteracts fading on distant stations. censed by RCA and Hazeltine.

Cop right 1936 by W. C. Braun

A More Powerful Farm Receiver

A More Powerful Farm Receiver

More tubes—greater power—better tone. The "top" in Battery Receivers. Times 3 Bands 17 to 565 meters. Brings you better Foreign Reception, Police Calls, Long Range Standard Broadcast and superior all-around performance. Gets all its power from a single 6 volt battery. No "B" or "C" Batteries are used. Answers the need for super-efficient radio performance in rural districts. Wonderfully economical in operation, offering A.C. set performance and convenience. Easy to install. Just connect it to any 6 volt storage battery. No resistors, no converters, no bother. Here is the best, most satisfactory Battery Receiver available—far superior to any peviously offered. In 1935 Radolek pioneered the first low drain 6 Volt Battery Receiver and now is the first to present this Seven Tube 6 Volt Battery Set—the successful result of long engineering effort to build the finest Six Volt Battery Receiver. 7 actual High Efficiency Tubes are used plus a Plug-In Type Vibrator—equal to what is sometimes referred to as an 8 tube assembly.

Price of Chassis

With 8" Speaker

BJ10952—Complete with 7 Sylvania Tubes, Speaker, Knobs, Dial Assembly Tubes, Speaker, Knobs, Dial Assembly and Escutcheon. For 6 Volt Operation.



7 Tube Battery Console

BJ10951—Complete with 7 Sylvania Tubes. Fitted with an 8 inch Orthovox Permanent Mag-net Dynamic Speaker. No Battery included. List Price, \$79.50.

YOUR PRICE

Lots of 3, Each, \$38.56

Impressive Console

Impressive Console

A handsome Console with all the grace and beauty that distinguishes fine furniture. Center instrument panel of gorgeously figured stump Walnut. Top is of attractively grained American Walnut. The gracefully curved pilasters, and grille columns are of Walnut, finished in a contrasting darker shade. A lustrous elegant hand-rubbed piano finish brings out all the natural color and beauty of the choice wood grains. Console size: 40" H, 22" W, 11" D.

Exquisite Table Model

A superb cabinet creation! Top and sides are in a beautiful shade of medium Walnut tone with the front of beautifully figured Burl Walnut in a contrasting lighter shade. Entire cabinet is hand-rubbed to a rich lustrous piano finish. Solid construction provides ample baffic for the giant 8" Speaker. Size: 18½" H, 12½" W, 9" D.

Giant 8" Dial With Indexing System Easy-to-operate. Bottom half of dial is cali-

brated in megacycles and also has five "zones", marked with the names of Foreign countries. The standard broadcast band also incorporates "zone tuning".

THE RADOLEK COMPANY

new RADOLEK 6 VOLT

Foreign and American Broadcast



PLUS PLUG-IN TYPE VIBRATOR

FEATURES

- ★Tunes 3 Bands 17 to 565 Meters.
- *Large 5" Three Color Illuminated Dial.
- ★Zone Tuning Scale with Exclusive Index-ing System.
- #11 Tuned Circuits.
- *Extreme Sensitivity Precise Selectivity.
- *2 Gang Condenser Rubber Mounted.
- ★1 Stage Double Tuned 1.F. (456 Kc.)
- ★6" Orthovox Perm-anent Magnet Dy-namic Speaker.
- *Push-Pull Output
 Type "19" Pentode.
- ★Variable Personal Tone Control.
- *Automatic Volume Control.
- ★Low 1.25 Ampere Bat-tery Drain.





City Entertainment

6 Tube Battery Console

BJ10935—Complete with 6 Sylvania Tubes. Fitted with an 8 inch Orthovox Pormanent Magnet Dynamic Speaker. No Battery included. List Price, \$65.00.

YOUR PRICE

Lets of 3, Each, \$32.93

A Fine Farm Receiver

The Newest, most Modern 6 Volt Battery Receiver for use where power current is not available. This 6 tube Three Band "Low-Drain" Superhet easily and economically brings to the Rural and Suburban home, Summer Cottage and isolated locations, every type of Radio Program that you could desire. Tunes 3 bands 17 to 505 meters. Gets Foreign Stations, American Broadcast, Amateurs, Airplanes and Police Calls. Equals or surpasses in performance the best A.C. operated receivers of similar design . . and the purchase cost is surprisingly low for such performance and quality. The operating cost is very low—only a few dollars per year. In this Battery Receiver, Radio again offers you all its wonderful Magic in Entertainment. To those who have struggled along with the old type obsolete battery receivers it will reveal Power, Selectivity and Tone far beyond anything ever imagined. Nearby or Distant Stations with power and volume enough for medium sized auditoriums. True High Fidelity Tone along with all other modern features incorporated only in the finest Receivers.

6 Tube Battery **Table Model**

BJ10936—Complete with 6 Sylvania Tubes. with 6 Sylvania Tubes. Fitted with a 6 inch Orthovex Permanent Magnet Dynamic Speaker. No Battery included. List Price, \$49.50.

YOUR PRICE

Lots of 3, Each, \$23,91

Extremely Low Battery Drain Extremely Low Battery Drain Operates from only a 6 Volt Storage Battery. No "B" or "C" Batteries required. The phenomenally low battery drain of only 1.25 amps., brings the actual operating cost down to less than one cent an hour. No other type of Battery Receivers equal this economy. See page 7 for Storage Battery Listing.

Tunes 3 Bands: 17 to 51, 52 to 174, and 174 to 565 Meters. High Gain Superheterodyne Circuit. Six tuned circuits for each hand. New type I.F. coils—More efficient operation. Exceptional Selectivity and Sensitivity. 6 High Efficiency RCA Tubes: Types 1-1C6; 1-34; 1-32; 2-30: 1-19 giving nine tube performance. Communically Variable Tone Control permits adjusting the radio to receive each program at its best. Automatic Volume Control eliminates inter-station noise when tuning at its best. Automatic Volume Control eliminates inter-station noise when tuning and counteracts fading on distant stations. Rigid Chassis Base—Provides a permanently rigid mounting for all units—Both Circuits and Tubes completely shielded throughout to attain maximum amplification and stability. Safe from Fire and Shock.

Price of Chassis

With 8" Speaker

BJ10932—Complete with 6 Sylvania Tubes, 8" Speaker, Knobs, Dial Assem-bly and Escutcheon. For 6 Volt Bat-tery Operation.

Your Price

Beautiful Table Cabinet

Beautiful Table Cabinet
A Cabinet of striking appearance and exclusive design combining quality with beauty, modern style and solid substantial construction. The front panel is of gorgeously figured stump walnut veneer with genuine marquetry inlay. Ribbed overlay on top and front add grace and charm. Selected walnut finished. Fine quality lacquer finish, handrubbed to a lustrous soft brown walnut shade. Cabinet Size: 15½" high, 12½" wide, 8" deep.

Stately Console Cabinet

Modern style and beauty combined with strong construction. The instrument panel is of delightfully blended but walnut flanked by columns of cross striped walnut. Gracefully curved walnut pilasters and American Walnut opp. Soft brown handrubbed finish. Overall dimensions: 46" high, 20" wide, 10" deep.

5 Inch Dial with Zone Tuning New Two Color Illuminated Airplane Dial

with exclusive indexing system showing gxactly where to receive any American or Foreign broadcast. Dial also has standard and Magacycle calibrations.

THE RADOLEK COMPANY

Copyright 1936 by W. C. Broun

This INDEX LOCATES YOUR WANTS QUICKLY

	WE WILL SEND YOU A	SENEROUS SUPPLY OF OR	DER BLANKS ON REQUEST	
Microphone Connectors 105	Phonograph Motors, 102, 103 Phonograph Needles 103 Phonograph Pickup Transformers 104 Phonograph Pickup Transformers 105 Phono Pickup 105 Phonograph	Rectifier, Disk	Sound Truck Genemotors 149 Spade Lugs 90 Spaghetti Tubing 97 Spark Plug Suppressors 52, 154 Sparkor Transformers 44, 47 Speaker Cabinets 37, 105 Speaker Cabinets 38, 39 Speaker Cores 38, 39 Speaker Cores 38, 39 Speaker Field Colis 33, 40 Speaker Field Power Supply Speaker Horns 105, 107 Speaker Horns 105, 107 Speaker Housing 105 Speaker Horns 105, 107 Speaker Lust 103 Speaker Trumpets 105, 107 Speaker Lust 105 Speaker Speaker 140 Speaker Cone Rings 40 Speaker Cone Rings 40 Speaker Cone Rings 40 Speaker Units 34, 107 Speaker Lutter 105 Speaker 105 Speaker 105 Speakers 105 Speaker 105 Speak	Transmitting Tubes, RCA 9 Triad Tube 13 Triand Tube 143 Triplett Instruments, 18, 19 Triplett Instruments, 18, 19 Triplett Instruments 26, 27 Friumph Instruments 27 Friumph Instruments 28, 29 Trumpet Horns 105, 107 Transposition Blocks 95 Tubes, Radio 7 to 15 Tubes, Adapters 28, 29 Tube Charts 18 Tube Shields 13 Tube Shields 88 Tube Shield Base 30 Tube Scokets 7, 9, 11 Tube Tester Adapters, 28, 29 Tube Strickers 7, 9, 11 Tube Tester Adapters, 28, 29 Tube Tuber Strickers, 17, 10, 25 Tuber Tuber Strickers, 17, 10, 25 Tubing, Fladded Shielded, 15, 27 Tubing Tondessers, 74 to 81 Tuning Meters 27, 37 Tuning Wand 84, 144 Turn Table, Weighted, 10, 37 Twester High Frequency 105 Twin Jacks 3, 92 Tusted Pair Lead in Wiro 94, 95 Units, Baldwin 34 Tuning Resistors 35, 55 Tube Coulensers 35, 55 Velocity Microphones, 101 Vibrator Coulensers, 77, 15
Official Service Manuals (68) Ohumeter 18, 22, 25, 27 Ontlet Plugs 87 Output Receptuales 87 Output Indicator RCA 8 Output Transformers 14, 14, 15, 48, 49, 104 Oscillator Collis 81, 85 Oscillators, Test 18, 19, 21 to 24 Oxford Speakers 106		Rubber Grommets 90 Rubber Panels 89 Running Board Aerials 155 Sal-Ammoniac Cake 143 Saws 142 Saw Blades 142 Saw Blades 142 Saw Blades 142 Serieth Remover 40 Sereen Grid Clips 29, 89 Sereen Mesh Auto Aerial 155	T "I" Pads 58, 59 Taps and Dies 142 Tap Plug-Trio 87 Tap Switch 27, 31, 93 Fernis 159 Terminals Battery 159 Test Adapters 28, 29 Test Cilps 145 Test Eguipment 17 to 25 Fest Light Neon 111 Test Oscillators 17 to 21 Test Oscillators 17 to 21 Test Oscillators 17 to 21	\text{Vibrator Replacement} \\ \text{Guide} \tag{150 to 153} \\ \text{Vises} \tag{142} \text{Voice Coil Assembly .38, 39} \\ \text{Voit Ohm Meter} \\ \text{25, 27, 32, 33} \\ \text{Voltage Bividers .53, 55} \\ \text{Voitage Regulators .91, 148} \\ \text{Voltmer Controls 56 to 67, 70} \\ \text{Voltage Regulators .96, 77} \\ \text{Voltage Regulators .91, 148} \\ \text{Voltage Regulators .96, 27} \\ \text{Voltage .96, 27} \\ Voltage .96, 2
Padding Condensers Panel Boring Tools 142 Panel Light 31 Panel Light 31 Panel Heters 24 26 27 31 23 Patels Aluminum 88 Panels, Bakellie 38, 89 Panels, Hard Rubber 89 Panels, Hard Rubber 19 Penell, Electric 14 Penell, Electric 14 Penell Prods 14, 15 Permanent Magnet Speakers 35, 37, 40, 106 PHILCO PHILCO Philico All-Wave Aerial 133 Philico Cond, Test Box 15 Philico Parts, Genui 15 Philico Parts, Genui 15 Philico Output Meter 15 Philico Output Meter 15 Philico Ower Transformers 43, 47, 71 Philico Replacement Transformers 15 Philico Signal Generator 24 Philico Tubes 15 Philico Volume Controls Philico Cottas 34, 98 Phone Cushilons 34 Phone Cords 34, 98 Phone Cords 34, 98 Phone Cords 34, 98 Phone Cords 92 Phone Pluss 92	RCA All Wave Aerials 123 RCA Cystal Calib 23 RCA Cystal Calib 24 RCA Point System 40 RCA Cystal Cystem 40 RCA Cystal Cystem 40 RCA Cystal Cystal 40 RCA Cystal Cystal Cystal 40 RCA Cystal Cystal Cystal 40 Radio Cystal Cyst	Seriew Assortment	Test Prod. Snap Type. 145 Test Prod. Snap Type. 145 Test Set Cases 18 31 33 Thordarson Transformers 49 104 Thordarson Capacity Tester 24 Tip Jacks 92 145 Tips Prod. 92 145 Tips Soldering Iron 143 Tobe Filterettes 91 Toggle Switches 92 93	Shaft Volume Control Guide 56 to 71 Volume Control Ilouk-ups. 60 Volume Control Ilouk-ups. 60 Volume Control Strips. 57 Volume Control Strips. 57 Volume Control Switches
Phonograph Adapters 29 Phonograph Cutting Head 103 Phonograph Fader 58, 59 Phonograph Mixing Stage 103	Recording Needles 103 Records, Blank Recording 103 Records, Phono 103 Rectifier B. H. 16	Soldering Irons54, 143 Soldering Iron Tips143 Sound Projection Control. 58	Service 55 Transformer Sealing Compound 90	Yaxley Potentiometers

This INDEX LOCATES YOUR WANTS QUICKLY

WE WILL SEND YOU A GENEROUS SUPPLY OF ORDER BLANKS ON REQUEST.

A "A" Batteries148	C "C" Batteries148	Condenser Sealing Com-	Exact Duplicate Trans-	Intermediate Frequency
A.C. Generator149 A.K. Exact Duplicate	Cabinets, Resistor .7, 52 Cabinets, Speaker37,105 Cabinet Refluishing Kit. 8	pound 90 Condenser Tester 6, 14, 15, 17, 19, 23, 24	formers 42, 43, 44, 47 Exact Duplicate Vibrators	Transformers 84, 85 I.R.C. Resistors 52 Irons, Soldering 143
Adapters, Analyzer 28, 29 Adapters, Tube 28, 29 Adapter Forms, Blank 29	Cabinet Refluishing Kit. 8 Cable, Analyzer 28, 98 Cable, Auto Radio 153 Cable, Battery 156	Cone Cement 40	Exact Replacement Resist- ors 54 Exciter Field 36	
Adapters, Phonograph 29	Cable, Battery156 Cable, Connectors28 to 31, 87	Cones, Speaker Replacement	l Evnress Rafes	■ Jacks 92
Advertising Sign6, 9, 11 Aerials, Auto Radio155 Aerial Equipment94 to 97	Capie. Dial	Connectors, Cable 28, 30, 104	Extension Connectors 70, 87 Extension Cords 34, 98 Extension Speakers 37	Jacks
Aerial Masts	Cable Ignition 153 Cable, Lead Sheathed 98 Cable, Microphone 98 Cable, Multi Conductor 98	Connectors, Cord31, 70, 87 Continental Igrad Con-		
Aerovox Condensers	Cable, Shielded 98	densers 80 Continental Resistors 55 Conversion Plug 95 Converter, 32V to AC, 149	Faders58. 59 Fabrestock Connectors 70	Jack Switches 92 Jacks, Tip 92, 145 Jefferson Transformers 10, 101
Aligning Tools	Cambrie Insulating Cloth, 40		Fibre Washers 89	Jeweled Pilot Light 31
All Wave Aerial Kits 	Candelabra Base156 Candohm Resistors51, 105 Capacity Tester	Copper Braid Sleeving 158 Copper Foll 88 Copper Oxide Rectifiers	Fibre Washers 89 Field Coils 39 40 Field Exciter Unit 36 Filament Meters 26 Filament Transformers	
2, 3, 127 to 131, 162, 163	6. 14. 15. 17. 23. 24. 152	Copper Oxide Rectiners 33 156	Filament Transformers 41, 46, 48, 49 Filter Chokes41, 44, 48, 49	K Kellogg Tubes 16
Alligator Clips145, 156	Carbon Granules	Cord Connectors		Kellogg Tubes 16 Kellogg Tube Adapter
Aluminum Fanels	Carter Midget Controls 63 Cartridge Fuses 31 Case, Amplifier	Cords, Extension34, 70, 98 Cords, Headphone, Speak-	Filters, A.C. Line68, 91 Filters, Auto Radio77, 154 Filters, Interference68, 91	Key Switch 93 Kits, Adapter 28, 29 Kits, Aerial 95, 96, 133
Ammeters	Cases, Instrument31, 33	er	Fixed Condensers	Kits, All Wave 95, 96, 133 Kit, Analyzer 28 Kits, Analyzer Plugs and
Amplifier Carrying Case	Cases, Speaker	Crack Filler 40	Flexible Coupling 17	Kits, Analyzer Plugs and Adapters
Amplifier Shields 110 to 123	Centralab Volume Controls	Crystal Headphones	Flexible Sleeving, Insulated	Kits, Analyzer Plugs and Adapters
Amplifier I'. A. Kits 50 Analyzer Adapters28, 29	Champion Radio Tubes. 13 Chargers, Battery 149	Crystal Speaker102	Shielded	Knife Switches 93 Knobs
Analyzer Cables28, 98 Analyzer Cases18, 33	Charger Rectifiers156 Charts, Tube6, 8, 10, 12, 14, 16 Checkers, Tube	Cub Condensers 81	Fall Copper Shielding 88	Knobs, Bar
Analyzer Sockets 30 Analyzers, Test 17 to 25 Analyzers Brackets 90		Cutting Head. Phono 103 Cushions, Earphone 34	Forms, Coil	M. Lasmuer Crystalizing 40
Angle Brackets	Chokes, Audio45, 49 Choke, Multi Tapped 45		Freight Rates	Lacquer Crystalizing. 40 "L" Pad58. 59 Lamp Cord98
Antenna Couplers35, 95 Antenna Equipment, 94 to 97	Chokes, Fliter . 41, 44, 45, 48, 49 Chokes, Outnut	D Dash Mtg. Plates	Priction Tape 87 Fuses, Electric 87 Fuses, Meter, Radio 31	Lamps, Flashlight 86 Lamps, Neon 156 Lamps, Pilot Light 86
Arrestors, Lightning 96 Assortment Hardware 89 Attenuators 58, 59	Chokes, R. F84, 85 Circle Cutters142	Data Tube	Fuse Mountings 31 Fusible Plug 31	Lead-in Shielded 91, 98, 153 Lead-in Strips 96 Lead-in Wire
Audio Chokes45, 49	Clarostat Line Ballast 91 Class "B" Transformers	Dayrad Instruments 24 Dependable Instruments 25		Lead-in Wire
Audio Transformers44, 48, 49, 50, 134 to 139 Auto Battery Chargers149 Auto Radios132, 157, 158 Auto Radio Accessorles	Class "B" Transformers 48, 49 Cilps, Alligator . 145, 156 Clips, Battery 156 Clips, Fahnestock	Disgram Condenser Tester 6	G. E. Reference	Lightning Arrestors 96
	Clips, Fahnestock 70 Clips, Resistor53, 55	Diagram, Fader58, 59 Diagram Foundation Meter 33	Galvanized Guy Wire 95	Line Cords 54
Auto Radio Aerials155 Auto Radio "B" Elimina- tors	Clough Brengle Instr 22 Clough Brengle Cathode	Diagrams Meter Conver-	Genemotors, Carter	Line Matching Transform-
tors	Clough Brengle Cathode Ray Equipment 23 Coil Forms 89 Coil Repair Service 85	sion 32 Diagrams Tone Compensation 56 Diagrams, Volt-Ohmmeter	Gernsback Books 68 Glow Lamps, Neon 156	ers
Auto Radio Mtg. Plates 153, 155 Auto Radio Parts, Phileo.		Diagrams, Volt-Ohnmeter 32, 33 Diagrams, Volume Centrol 60 Diagrams, Volume Control	Glow Lamps, Neon 156 Graybar-RCA Reference Chart	Lock Washers
	Coll Winder 94 Coils, Fleld 39, 40 Coils, Oscillator 84, 85		Grill Cloth	Loud Speakers 35, 36, 37, 40, 106
Auto Radio Service Manual 68, 146, 147 Auto Radio Shielded Lead-in	Colls, R. F 77, 84, 85 Colls, Shortwave Shunt 85 Colls Spkr. Repl 34	Dials, Tuning 86 Dial Cables 94	Ground Rods	Loud Speaker Cones
Auto Radio Speakers 35, 36, 106, 107 Auto Radio Vibrators	Color Coding Enamel 40	Dial Escutcheon	Guy, Anchor 95	Lynch Antenna Kits 95
Auto Radio Vibrators	Compact Volt-Ohm Meters 27 Condenser Analyzers and Testers	Dial Lite Coloring 10	B B Hack Saws and	
	Condensers A.C. D.C. Re-	Dial Beplacements 34, 93 Dial Scales, Meter 32 Dome Light Filters 154 Dotte 149	Hack Saws and Blades	McCullough Tubes 16 Machine Serews 89, 90
	placement71, 74, 76, 78, 79, 80 Condensers, Aerovox 78 Condensers, Auto Radio	Drum Dials 86	Hardware89, 90 Hardware Assortment 89	Machine Screws 89. 90 Magic Electric Pencil 142 Magic Eye 37
B "B" Batteries148	Condensers, Auto Radio 77, 151, 154 Condensers, By-Pass	Dry Cells 148 Dry Disc Rectifiers 33, 156 Durcsite Line Ballasts, 91 Dynamic Battles 105, 107	Headphone Adapters	Magnetic Speakers
Auto	Condensers, By-Pass Condensers, Continental	Dynamic Field Coils. 39, 40	Hold E Zee Screw Driver 111	Magnetic Speaker Coils Magnet Wire 97
Baffles, Dynamie . 105, 107 Bakelite Knobs	Igrad 80 Condensers, Cub 81 Condensers, Electrolytic	Dynamic Speakers Dynamic Speakers, 36, 37, 40 Dynamic Speakers, P. A. 106	Home Recording Blanks, 103 Hook-up Wire 97 Horns, Trumpet 105, 107	Majestic Colls Exact Duplicate
Bakelite Rods, Shatting	Condensers, Electrolytic	Dynamic Units	Housing Speaker	Manganin Registance
Bakelite Tublng 89 Balancing Condensers	Condensers, Exact Dupli-	Dynatest Speaker 40	Hoyt Foundation Meter., 51	Wire
Balancing Condensers 29 Balancing Condensers 29 Balancing Tools 144 Baldwin Phones—Units 34 Ballasts, Line 55, 91 "Banana" Plugs 145	cate		- 1 0-bb- 150	Manual, Tube 8, 9, 11, 15, 16 Masts, Acrial 95 Meissner Trinmer Cond., 29 Meissner Exact Duplicate
"Banana" Plugs145 Bar Knobs	Condensers, Keystone 81	E Edison Base156 Electrad Resistors 53, 55	Ignition Cable153 Ignition Filters77, 154 Ignition Suppressors.52, 154	Meissner Exact Duplicate Colls
Bar Knobs 33 Batteries, Air Cell 148 Battery Cables 156 Battery Chargers 149 Battery Clips 156	Condensers, Keystone 81 Condensers, Mallory Elect, 76 Condensers, Mallory Paper 77 Condenser Kit Mica 80 Condensers, Mershon 71 Condensers Mica 80	Electric Adapters Plugs, 87	Ignition Filters77, 154 Ignition Suppressors. 52, 154 Illuminators. Dial31, 70 Illuminator Panel .31 Indicator, Resistance	Colls
Battery Clips	Condensers, Mershon 71 Condensers, Mica 80	Electric Clock 9 Electric Penell	Indicator, Resistance	
Battery Terminals 156 Battery Testers 97 70	Condensers, Mica	Electrical Specialties 87	Input Control, P.A 103 Input Transformers 49, 104	32. 33 Meter D als 32 Meter Flange 26
Base, Candelabra 156 Bases, Tube 28, 29 Bell Wire 87 Belts, Dial Drive 94 Bludding, Posts 87, 135	Condensers, Neutralizing	Electrolytic Condensers71 to 76, 78, 79, 80 Electronic Vibrators151 Elements, Flat Iron Re-	Instrument Cases 18, 31, 33 Instrument Fuses 31 Instrument Panels 33 Instrument Pointer Knobs 33	Mershon Condensers
intimiting a data	Condensers Short Wave . 83	Elements, Heater 87	I Instituted Flexible	Meter Resistor Kit 27, 32, 33 Meter Resistors, Multiply-
Blank Records	Condensers, Bargain	Elkon BH Rectifier16, 156 Emerson Auto Radio157 Enamel Color Coding 40	Coupling	Ing31, 32, 53
15, 16, 22, 68, 140, 146, 147 Brackets 90 Braid, Copper Sleeving 153	Condensers, Trimmer	Equalizing Condensers 29, 77	Insulated Tip Jacks 92, 145	Meter Shunts 32 55 Meters, Tuning 27 Mica Condensers 80 Microammeters 26 27
Rulb Electric Greenback 87	Condensers, Vibrator 77, 151 Condenser Color Code 80	Escutcheon Screws 90 Evercady Batteries 148 Exact Dunli Cond	Insulating Spagnetti 97 Insulating Washers 89, 90 Insulators Aerial 95	Mica Condensers 80 Microammeters26, 27 Microphone
Bumpers, Rubber 90 Bus Bar Wire 53	Condenser Coupling, Flexible	Exact Dupli, Cond		Adapters 29 Cable 98 Carbon Granules 103
by-Pass Condensers 76 to 81	Condenser Mtg. Acces 76	Assby	interference Analyzer 69	Carbon Granules103

It's Easy to Figure Delivery **Charges on Your Order**

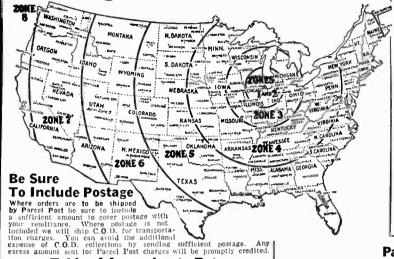


Table of Approximate Rates Per 100 lbs. for Express and Freight

			press and ricig	
From Chicago	Express per 100 Pounds	1st Class Freight per 100 Lbs.	From Chicago	Express per 100 Pounds 1st Class Freight per
Alabama Arizona Arkansas California Colorado Connecticut Delaware Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Minnesota	\$3.75 7.30 3.59 10.05 6.185 3.70 5.05 3.50 7.90 1.85 1.655 2.20 4.20 4.20 3.45 4.00 3.35 4.00 3.35 6.185 3.60 3.60 3.60 3.60 3.60 3.60 3.60 3.60	\$2 40 4 12 1 60 4 75 3 65 1 49 1 42 2 20 2 30 75 70 98 2 04 98 2 04 98 2 149 1 25 1 49 1 49	New York No. Carolina No. Dakota Olilo Oklahoma Oregon Pennsylvania Rhode Island So. Carolina South Dakota Tennessee Texas Utah Vermont Virginia Washington	\$3 90 \$2.25 9 10 4.75 4 00 1.49 3 75 1.43 5 50 3 35 1.18 3 .75 2 .50 4 4.50 2 .15 2 .60 2 .15 2 .00 3 .85 2 .14 4.50 2 .29 4.35 2 .65 3 .30 1 .75 7 .15 2 .37 7 .15 2 .37 7 .15 2 .37 3 .95 1 .60 3 .30 1 .75 7 .15 2 .37 3 .95 1 .60 3 .30 1 .39 9 .45 5 .10
Mississippi Missouri Montana	3 75 2 62 5 35	1 35 3 75	West Virginia Wisconsin Wyoming	2 95 1.03 2 65 .60 5 50 3.50

NOTE-TO estimate Express charges for shipments under 100 pounds
—The minimum charge for a one pound package sent by Express is
36c, ranging up to 42c for highest rate. Beginning with the minimum, charges are increased according to weight of package. For
instance the 10 pound rate varies from 44c to 81.00. The poundage
rate varies from about 65% down to about 55% of the hundred pound
rate for 50 pounds (from 80c to \$3.62) with the charges for intermediate weights above and below 50 lbs. in approx. proportion.

Fastest Delivery

Wo are constantly striving to "cut-time" and to set new speed records on our excellent Shipping Schedule. Last year nearly 98% of all orders were shipped the same day they were re-ceived. You cannot afford unreason-able delay. Radolek service means delivery right to your door of the exact merchandise you want quickly and exactly as ordered.

Equipped For Service

The most modern stock and shipping equipment—a hustling organization and an experienced and capable management—all combine to give your orders the individual attention that

orders the Individual attention that you want.

Speed is just one part of Radolek Service. Our merchandise department is constantly seouring the market to bring you better quality goods at lower prices. We maintain a modern fully oquipped Laboratory for the examination and analysis of new equipment and to maintain a high standard of quality on all merchandise that we stock. Por your information and assistance in the selection of special apparatus we place at your disposal the free advice of skilled Technical Experts.

How to Order

Send your orders on our convenient Purchase Order forms, or in any other manner convenient to you. Be sure to specify Stock Number and Price of each Item, Print your Name and Address plainly.

We will ship C.O.D. Most of our customers prefer to send cash with order to avoid extra collection costs. All orders for heavy merchandise to be shipped to distant points should be accompanied by a 25% deposit.

Wholesale Only

We solicit orders only from those actively and commercially engaged in the radio industry, Radio Dealers, Radio Servicemen—Industrial and Institutional Laboratories, Public Utilities, Schools, Colleges, Engineers and those recognized as engaged in developing the Art of Radio. We will also accept orders from the United States Government, Federal Institutions, State, County, Municipal and other governmental bodies and institutions.

Payment Terms

Our terms are cash with order or C.O.D. Catalog prices are Net—F.O.B. Chicago or factory. All Trade and Cash Discounts have been deducted. While we do not impose minimum order restrictions on our old customers, it will profit you to make up at least \$5.00 orders to avoid additional exchange charges. We will be obliged to pass on to you the exchange charge, made by the Banks, on all personal checks for less than \$5.00. C.O.D. orders from new customers should be accompanied by a 25% deposit.

Parcel Post Rates

Revised Rates Effective since October 1, 1932. Table for Packages Weighing 1/2 pound to 20 pounds

_							
Weight in Pounds	Zones 1&2 Up to 150 miles from Chicago	Zone 3 150 to 300 miles from Chicago	Zone 4 300 to 600 miles from Chicago	Zone 5 600 to 1,000 miles from Chicago	Zone 6 1,000 to 1,400 miles from Chicago	Zone 7 1,400 to 1,800 miles from Chicago	Zone 8 Over 1,800 miles from Chicago
1 2 3 4 5	\$0.08 .10 .11 .12 .13	\$0.09 .11 .13 .15	\$0.10 .14 .17 .21 .24	\$0.11 .17 .22 .27 .33	\$0.12 .19 .26 .33 .40	\$0.14 .23 .32 .41 .50	\$0.15 .26 .37 .48 .59
6 7 8 9	.14 .15 .16 .17 .18	.19 .21 .23 .25 .27	.28 .31 .35 .38 .42	.38 .43 .49 .54 .59	.47 .54 .61 .68	.59 .68 .77 .86 .95	.70 .81 .92 1.03 1.14
11 12 13 14 15	.19 .21 .22 .23 .24	.29 .31 .33 .35 .37	.45 .49 .52 .56 .59	.64 .70 .75 .80	.82 .89 .96 1.03 1.10	1.04 1.13 1.22 1.31 1.40	1.25 1.36 1.47 1.58 1.69
16 17 18 19 20	.25 .26 .27 .28 .29	.39 .41 .43 .45 .47	.63 .66 .70 .73 .77	.91 .96 1.02 1.07 1.12	1.17 1.24 1.31 1.38 1.45	1.49 1.58 1.67 1.76 1.85	1.80 1.91 2.02 2.13 2.24

If the weight of your package exceeds 20 pounds, add 1.1c for each additional pound or fraction of a pound if you live in the 1st and 2nd zones, 2c extra if you live in the 3rd zone, 3.5c extra if you live in the 4th zone, 5.3c extra if you live in the 5th zone, 7c extra if you live in the 6th zone, 9c extra if you live in the 7th zone, and 11c extra if you live in the 8th zone.

NOTE:-Packages weighing over 1/2 lb. (8 ozs.) and not more than 1 lb. take

Packages weighing over 1 lb, and less than 2 lbs, take the 2 lb, rate. Always use the next higher pound rate for pounds and fractional pounds, FOR EXAMPLE: —1% lbs, requires 2 lb, rate, 2 % lbs, requires 3 lbs, rate.

SEND NO MONEY

We Will Ship C.O.D.

We Will Ship C.O.D.

You need not send a remittance with your order unless you wish to do so. We will ship C.O.D. any merchandise shown in our catalog, but we request that new customers on their first orders, or orders for heavy merchandise to be shipped to distant points be accompanied by a 25% deposit if to be shipped C.O.D. Most of our customers prefer to send cash with order, thereby eliminating delay and unnecessary expense of C.O.D. collection. You may remit by post office or express money-order, bank draft or personal check, as you prefer. If you send currency be sure to register the letter for we cannot be responsible for cash lost in the mails.

Prices Quoted are TAX PAID

Prices Quoted are TAX PAL

All quotations in this book include Federal Excise Tax
in accordance with Act of June. 1932 and hased upon
Treasury Department, interpretations as of our press date.
We reserve the right to add any taxes arising from new
acts (Federal or State) or changed interpretations. On
sales in the State of Illinois we reserve the right to increase our prices, to the extent of any increase in cost
of doing business, that may be occasioned by the Illinois
State Occupation (Sales) Tax Act.
Our quoted prices are subject to change without notice.
We have large stocks on hand of practically every item
quoted and have made contracts in such a manner that we
expect to be able to supply all items available from manufacturers at the prices shown for the life of this catalog.
In event of market changes it will be our object to meet
or better all competitive prices.

SHIPPING ALLOWANCE

On Orders of \$25.00 or Over

We will make a transportation allowance of 2% except where merchandise is already quoted prepaid. This allowance can be applied on Parcel Post. Express or Freight Shipments. The allowance can be applied directly on Parcel Post Shipments on Express and Freight Shipments it is usually necessary for us to make shipment charges collect, so that on Express and Freight Shipments you may make this deduction directly on your order or we will send you a credit for the amount of the allowance.

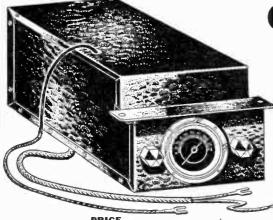
Remember

This transportation allowance of 2% applies only on orders for over \$25.00 and is not to be confused with the cash discount allowance of 2% which is already deducted from the Net Prices as quoted in this Proit Guide.

We Ship Subject to Inspection

We will ship any merchandise ordered, subject to your inspection if shipment is to go forward by express. In this manner, you may see the merchandise at the express office before you accept shipment, if you so prefer. If you desire inspection privileges, be sure to so state plainly on your order.

Pash Mounted "RADOLEK" Radio



PRICE

Dash Mounted Auto Radio

BJ10151-Complete Unit all contained in one compact case. Includes 1-Generator Condenser, 1-Distributor Suppressor, 4-Four Pillar Raytheon Tubes: 1-6A7, 1-6D6, 1-75, 1-41. All necessary cables and mounting bolts.

List Price, \$29.95.

Easy to Sell-Big Profits

Simplicity of installation enables you to sell this Receiver "installed" without sacrificing your profits. Here is a Quality Fine Performing Auto Radio with which you can dominate the low-priced Auto Set market. Order one of these Sets TODAY and begin NOW to cash in on the big profits the second this big profitable field.

6 Tube Performance. At 4 Tube Economy

All Electric - Compact Single Unit - Fits All Cars.
Illuminated Dial - Built-in 5½" Dynamic Speaker.
Operates From Car Battery - Only Two Connections.
Improved Superheterodyne Circuit - Low Battery Drain.
New Dual Purpose Tubes - Automatic Volume Control.
Tubeless Synchronous Vibrator - No Suppressors Used.
Iron Core Antenna Coil - Built-in Aerial Adjuster.

Quality Single-Unit All Electric Superheterodyne with newest features. A Quality Single-Unit All Electric Superheterodyne with newest leatures. The use of a Dual Purpose Synchronous Vibrator and Dual Purpose Tubes in a new improved Superheterodyne Circuit positively develops 6 tube efficiency—improved sensitivity and selectivity, background noise reduced to a minimum, unusual power and superb tone! Do not confuse this fine Auto Radio with ordinary 4 or 5 tube receivers using nonsynchronous vibrators and rectifier tubes. This Radolek Auto Radio is the most desirable set ever developed selling at this low price. Big set performance plus the economy of low battery drain.

Built-in Aerial Adjuster

A manual capacity adjustment on the side of receiver housing permits compensation for all antenna variations—thus each auto radio can be adjusted for individual installations so as to obtain maximum efficiency from any type of under-car or roof aerial.

Speedy Back of Dash Mounting

Entire unit mounts under instrument panel of car with the control panel of auto radio flush with car instrument panel. Installation is made with car instrument panel. Installation is made with the use of only two screws through bottom edge of instrument panel and one bolt to bulkhead. No remote control connections. Has the volume and station selector controls directly on front panel. Narrow width allows mounting of this Receiver any place along panel even between steering column and left side in any car. Will not interfere with foot pedals, emergency brake or gear shift. Leaves plenty of foot room and allows ample space for mounting hot water heater. Two electrical connections—one to ammeter and one to aerial. Size of case 6"x5"x1114" long. Fits any car with a depth of at least 1114" depth behind instrument panel.



MALANI

New Cabinet—New Tubes—New Dial

A New AC Receiver—a marvelous Table Model with Console performance and Console appearance at midget set cost. Bringing you radio's newest achievement — Metal Tubes. These new tubes afford greater operating efficiency and better stability on short waves. Great Power, Finest Tone Quality, Extreme Sensitivity, Precise Selectivity, Easy Tuning and Attractive Appearance are all combined in this Receiver, an Outstanding Value, not approached in any other High Quality set.

Superheterodyne Circuit

This new advanced Superhet Its designed to take advantage of the super-

Superheterodyne Circuit

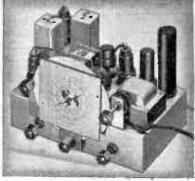
This new advanced Superhet circuit is designed to take advantage of the superior performance the new netal-envelope tubes afford. Six high-gain tubes all functioning at peak efficiency, coupled with new special 1.F. coils and a precision tuning condenser, brings extreme sensitivity and selectivity. Tube types: 1-6A8; 1-6K7; 1-6H6; 1-6F5; 1-6F6 Pentode Power Output; 1-524. Automate Volume Control. Counteracts fading and tends to maintain an even volume level. This "Tone Conditioned" Receiver features an advanced type of audio system, which has been precisely designed and balanced to develop a full tremendous Power Output, while retaining exact Tone Fidelity. Powerful specially matched full Dynamic Speaker, reproduces both voice and music with the greatest fidelity. Its full resonant tone, is very pleasing and personal tastes in tone pitch are given complete expression with the Smooth Tone Control.

Tunes 3 Bands

Domestle Broadcast 172 to 565 meters—Anateurs, Airplanes, Police Calls 54 to 187 meters

—Foreign Short Wave Stations 16 to 60 meters. Programs to entertain and interest the most sophisticated and adventurous listener. Reception with volume and tone quality to please the most

and adventurous listener. Reception with volume and tone quality to please the most critical. An extra large II-luminated Airplane Dial 5" in diameter with an etched silver and gold scale adds additional beauty and tuning ease to this modern Receiver.



Beautiful Walnut Cabinet

Table Model Cabinet of Console design. A Table Model Cablnet of Console design. Distinctly new—this unusual cabinet has individual character which places it far ahead of the average Table Model. Burl wainut sloping front panel is flanked on each side by curved pilasters of select crotch grain light American Wainut veneer. The paneling effect is applied to the sides as well as the front, a feature not found on any but the most expensive cablnets. The top is finished as beautifully as the front; emphasizing the modernistic lines of tise Cabinet, Lustrous hand-rubbed plano finish throughout. Overall size, 14 inches wide, 9 inches deep, 15 inches high. JB10947—6 Tube DeLuxe Table Model Complete with tubes.

List Price, \$47.50. \$ YOUR PRICE

Price Chassis Only JBI 0948-6 Tube Chassis With 6½" Dynamic Speaker, Metal Tubes, Knobs and Escutcheon. List Price,

PRICE

Emerson AUTO Radios

All Electric Operation

Choice of Mounting Escutcheons

A.V.C. Circuit No Spark Plug Suppressors

Model 1A-5 Tube Superhetrodyne

Widge 1A—5 Tube

By the use of the new dual purpose tubes this compact 5 tube set has all the sensitivity and power of the ordinary 7 tube set. Completely ontained in one housins. No outside power supply—No outside speaker. Mounts on dashboard with three mounting boils that project from the rear of set. Remote control can be installed on steering column or under instrument panel. Special escutcheons can be furnished for mounting control unit on instrument panels of General Motors or Ford ears Chassis is of the latest enzineering design and incorporates Superhetrodyne Circuit, Automatic Volume Control. 3 Gang Tuning Condenser, Noiseless Vibrator, Tone Control and Full Size Dynamic Speaker. Tubes used are 1-687, 1-687, 1-687, 1-41, 1-84. Spark plug suppressors are needed only when unusual interference problems are encountered. Cars Inference problems are encountered. Cars Inference ference problems are encountered. Cars in good electrical condition will not need suppressors. Size of set 6%" bigh, 6%" deep, 9½" wide. Stamped metal case. Finished in green

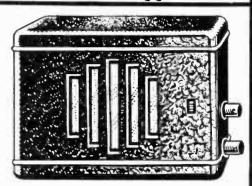
One Unit Construction Eliminates Suppressors Superhetrodyne Circuit Tone Control

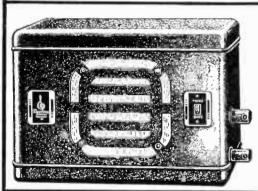
5 Tubes with 7 Tube Efficiency Quick and Easy Installation Operates Entirely from 6-Volt Battery

F10167—Emerson 5 tube Model IA Superhet Auto Set complete with built in Dynamic Speaker, Noiseless Vibrator, Remote Control Unit, and 5 R.C.A.-Cunning-ham tubes. Suppressors are not furnished because they are not needed for most installations.

List Price. \$37.95. YOUR PRICE. EACH

Lots of 3. Each.....\$23.56





6 Tube Superhetrodyne Model 6A-

Features

- One Unit Construction
- Eliminates Suppressors
 Superhet Circuit
- Operates Entirely from 6-Volt Battery Tone Control 5" Dynamic S

- 5" Dynamic Speaker
 Quick Installations
 6 Tubes—8 Tube Efficiency Price

-Emerson 6 tube Model 6A Surivites—Emerson 6 tube Model 6A Superhet Auto Set complete with Built in Dynamic Speaker, Noiseless Vibrator, Remote Control Unit and 6 R.C.A.-cummicham tubes. Suppressors not furnished as they are not necessary for most installations. List Price, \$44.95.

Lots of 3 Each \$25.11

A more sensitive set than the model IA that will aid many miles to the distance of reception that you can obtain. Set is Superhetrodyne Circuit containing all of the late enviseering improvements including Diode Detection, Automatic Volume Control, Tone Control and 5-inch Dynamic Speaker, I-set, I-set,

MODEL 5A-"De Luxe" 6 Tube Superhetrodyne **Features**

two dual purpose tubes giving this five tube set performance equivalent to the average 7 tube set. Is much more powerful and sensitive than either of the above models. Uses Superhetrodyne Circuit incorporating all of the latest engineering features. Has Full wave Synchronous Vibrator and 6 inch Dynamic Speaker. Set, Power Supply and Speaker all contained in one die cast case. Uses 5 tubes: 2-70°s, 1-63°s, 1-85°s, 1-42°s, 2-83°s, 1-63°s, 1-85°s, 1-42°s, 2-83°s, 1-63°s, 1-85°s, 1-43°s, 1-85°s, 1-85°

metal case. Brown Crackle finish.

Take full advantage of the efficiency inherent in the Auto Radio sets listed on this page. Use an efficient aerial. We particularly recommend the "Red Head" listed on pago 145 under stock number 3F10175. It is the Running Board type and has been found to be very satisfactory for all ears including the new "Turret" types.

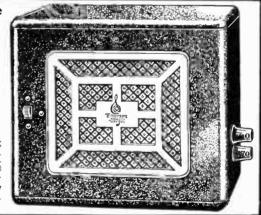
• Full Wave Synchronous Vibrator • Tone Control

- 6-inch Dynamic Speaker
- One Unit Construction
- Quick Installation
- Eliminates Suppressors
- Superhetrodyne Circuit
- 5 Tubes-8 Tube Efficiency Operates Entirely from 6 Volt
- Battery

Price

F10169—Emerson 5 tube Model 5A Superhet Auto Set complete with built in 6". Dynamic Speaker, Noiseless Synchronous Vibrator, Remote Control unit, and 5 R.C.A.-Cunningham tubes. No Suppressors included as they are not needed for most installations. List Price, \$49.95.

Lots of 3, Each \$27,90



FOUR REMOTE CONTROL MOUNTINGS AVAILABLE



Dash Mounting For ΔII Cars

Under

All of the radloses are supplied with the arginant type dial, remote control unit, and complete set of remote control cables. Control unit carefully designed to eliminate Back Lash and Play. Dial is indirectly illuminated. Brackets are furnished for mounting remote control unit under instrument panel as illustrated above. This type of Mounting can be used on practically any ear.

Dash Mounting For General Motors Cars



Special Tuning Unit can be supplied for installation on front of instrument panel in Chevrolets, Oldsmobiles, and Pontiacs in which there is a special cutout for this particular purpose. Dial is illuminated and escutcheon finished in polished chrome. When specified on order, special control can be supplied instead of the regular unit. Specify make of cur on which set is to be used.

Dash Mounting for Ford and



In Ford cars escutcheon fits opening in center of instrument panel originally occupied by Asia firsty. Also finally occupied by Asia firsty. Also finally occupied on the firsty. Also finally of the firsty of the first of the firsty of the f

ment panels.





Brackets for mounting remote control unit on either side of steering columns of any car are furnished as standard equipment with above Auto sets. Airplane dial and remote control cables also supplied as standard equipment. Control unit carefully des to eliminate Back Lath and Dial is indirectly illuminated.

Tungar Type Rectifier Tubes



3E865—A. 0.6 amps., 7.5 D.C. volts. Us chiefly in small chargers for trickle charging volt batteries. Fil. 1.8V.-6A. Used List Price \$4.00.

YOUR PRICE ... 3E866—B. 2 amps., 75 D.C. volts. Has connection screw base, is used in small home chargers. Fil. 2V-12A. List Price, \$4.00.

YOUR PRICE

15. C. relies A low yolk

A low yolk

A low yolk

Prouse Fig. 2. A low yolk

A low yolk

YOUR PRICE

15. C. relies A low yolk

3E868—D. 6 amps., 45 D.C. volts. A low voltage bulb used in chargers having a fixed output, also in Exciter Lamp Rectifiers for Motion Picture applications. Fil. 2.2V. -18 Amp. List Price 83.00. YOUR PRICE. \$4-45

3E869—E. 6 amps., 100 D.C. volts. For use in all types of chargers having an adjustable control, single and three phase rectifiers for low intensity are projectors and exciter lamp rectifier having adjustable taps. List Price, \$8.00. \$4.45

3E870-F. 15 amps., 65 D.C. volts. Can be used in certain types of special chargers, but its chief application is in connection with single and three phase rectifiers for supplying current to low intensity are projectors. Specially seasoned for motion picture rectifier. List Prico \$15.00. \$8.90 YOUR PRICE YOUR PRICE

Mercury Type Charger Bulb

3F87 [—EM-6 amperes. Long life, efficiency in operation and lower operating cost. For use in battery chargers of 6 ampere capacity.

List Price, \$8.00. YOUR PRICE \$3.95

Elkon Replacement Rectifier



The official replacement unit for Majestic "A" eliminators. May also be used on followalso be used on follow-ing eliminators: Mayo-lian, Elkon, Phileo, Webster, Knapp Gen-eral Inst., Metro, Fada, Bernard, Sentinel, and Briggs & Stratton. 3

Shpg. wt., 3½ lbs. charger. 3C70-Type XB16. List, \$7.00.

... \$3.73



Manufacturers' Type Rectifying Unit

The "B" B-L full wave rectifying elements a reparticularly suited to the use of manufacturers of requiring rectified currents. Made for such devices as dyrailroad signals. The "B" B-L full wave

railroad signals, etc.

Type "B"-16 is for Greene-Brown type D. Norden Hauck No. 3A. Tobe Deutchman, Webster, Valley type, DMA, etc. Output 2 amp. at 6 V.; 1 amp. at 8 volts. 3C61-Type B-16. List, \$4.50. YOUR PRICE \$2.65

Elkon 5,000 Hour "B" Rectifier

Replaces rectifier tube in "B" Eliminator. Dry, solid, rugged, self healing. Just replace the fragile 1,000 hour tube with this sturdy 5,000 hour Elkon FBH and the change is made. Not affected by accidental surges or overloads. 2C85-For "B" Eliminators using Kaytheon BH Tube.

List, \$6.00.
YOUR SPECIAL PRICE ... 79¢



Neon Glow Lamps

Genuine G.E. neon

Genuine G.E. neon gas lamps that glow with a brilliant orange-red radiance. Both electrodes glow on A.C. One remains dark on D.C. Operate on A.C. on the continuity, leakage, and high resistance tests. Used as pilot or signal lamp on all types of electrical circuits. Check ignition leakage in auto-radio noise elimination work. Voltages ilsted are minimum striking voltage: minimum operating voltage may be approximately 50 volts lower for A.C. or 10 volts lower for D.C.

3D7119—Midget 1/4 Watt. Candelabra Base Tubular Shape Clear Bulb. 8" diameter. Replacement for Weston and other tube testers employing neon short tests. For 105-125 volts, A.C. or D.C. YOUR

YOUR
PRICE, Each
TEN FOR \$3.25

3F7114—Midget ¼ watt. Double contact bayonet base. ½" diam. Tubular shape clear bulb. ½" diameter. Used as replacement in Tobe Condenser Analyzer and other test enulpment requiring a neon bulb without a resistance in the base. For 105-125 volts A.C.

456

Ten for \$4.05

3E6912—Medium ½ watt. Standard Edison medium screw base. Clear Globular Bulb, 1½ diameter. Electrodes shapted like half cylinders. Approximately 5/100 candle power. For 105-125 YOUR PRICE, EACH

TEN FOR \$3.25

3F7120—Medium ½ Watt. Standard Edison medium strew base. 124

diameter. Approximately 5/100 candle power. Central cylindrical electrode surrounded by wire spiral electrode. For 105-125 volts A.C. or D.C. YOUR PRICE.

TEN FOR\$3.25 3E7 | 22—Same as above with skirted candelabra base. A.C. or D.C. 105-125 volts.

3E7 | 2 | — Medium medium screw base. Clear Globular Bulb. 14' diameter. Electrodes shaped like half cylinders. For 200-240 volts A.C. or D.C. YOUR PRICE. EACH TEN FOR \$3.25 Edison

3F6910—2 Watt Standard Edison medium scrow base. Clear pear Shaped Bulb. Dlameter 13 ". Electrodes in shape of split disc. Approx. & candle-power. For 105-125 volts A.C. or D.C. Used in tube testers. Also popular size for night-light, advertising, exit indicator, stroboscope, and signal use.

3F7123—Same as above with Red Bulb. 3F7124—Same as above with Yellow Bulb. YOUR ...49¢

3F7 | 15-3 watt standard Edison medium screw watt standard Edison medium screw base. Clear pear shaped bulb. Diameter 1%."
Electrodes in shape of split disc. For 105-125 volts A.C. or D.C. Used in tube testers. Also very popular size for night-lights, signal laraps, etc. YOUR PRICE,

60¢ Ten for\$5.40

Porcelain Sockets



For Neon Glow Lamps Candelabra Base 3E7116-

YOUR PRICE, EACH 28¢ Quality porcelain sub-panel socket for candelabra base neon glow lamps. Top of socket mounts flush with panel. Screw terminals, Used in short check-ers, continuity testers and other test apparatus.

Edison Medium Screw Base Sub-panel Mounting

3E7117 Porcelain sub-panel socket for standard Edison base neon glow lamps. Same style and mounting as socket listed above. Screw terminals.



Cleat Mounting 3E7118 YOUR PRICE. EACH .. 10¢

Cleat mounting Edison base por-celain socket. May be mounted on baseboard for experimental work. Screw terminals.

Universal Alligator Clips



Small clips with slender elongated jaws. Both screw and banana terminal connections. The barrel will also take the large end of a standard jack tip. Teeth mesh perfectly on all three sides. Rating 5 amps. Cadmium plated steel. 2%" long. Jaws spread 14". Teen. 5 amps.

2438—Alligator elip only less insulators

Colored Rubber Insulators

For above clips. Internal recess at end of insulator snaps around tubular barrel and holds clip firmly. Will not slip, 3F2425—Red YOUR PRICE, EACH 4c. 3F2426-Black

BOX OF 10\$2.50

Universal Battery and Radio Clips





No. 45—Pee Wee Clip. For Radio Test Wor Teeth on hoth jaws which mesh. Jaw spread %' Length 1&". Cadmium plated. With screw. For Radio Test Work. 3F2448-Each, 4c.

No. 48B—A small clip for "B" radio batterles and general use. Teeth on both jaws which mesh. 10 lb. spring. Jaw spread, & in. Cadmium plated, 134 inches long. 3F2440-Each, 5c.

TEN FOR Type 24A-25 amp. Capacity. For radio storage "A" hatteries. Teeth on one jaw and notch on the other; fits round battery post. 17 lb. spring. Jaw spread. I in. Lead coated. 2½ in. long. 3F2442-Each, 8c.

TEN FOR Type 21A-50 amp. 33 lb. spring protected by a copper shunt. Jaw spread, 1½ in. Lead coated, 3% in. long.

3F2444-Each, 16c. TEN FOR Type 11A-100 amp. Capacity, 38 lb. spring. w spread, 11/4 in. Lead coated, 51/8 in. long.

3F2446-

NOTE. Clips marked + and -. Half and Half will be supplied unless otherwise specified.

Rubber Insulators

For Use with Universal Battery Clips



Protect against electric shock. Fured, half black to indicate polarity.

3F2424—For 45 —10 for ... \$0.52 3F2420—For 48R—10 for ... 60 3F2421—For 21A—Each ... 14 3F2422—For 21A—Each ... 23 3F2423—For 11A—Each ... 41



Battery Terminal Connectors 302449 YOUR PRICE, Each. 18¢

Radio Battery Cables



Stranded rubber insulated and covered with fabric. R. M. A. color coded. 5 conduc-

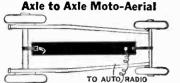
Stock Stock Conduc-Conduc-Number Number 25¢ 29¢ 32¢ 40¢ 3 C 23 21 3 C 23 22 45¢ 10

31/2 Foot 4 Conductor Cable

Rubber covered conductors. Braid overall. Battery clips attached on two ends.
3J2330—146



550RIE



4F10182-List Price, \$1.25. YOUR PRICE

Metallic conductor, enclosed in 53 inch long waterproof fabric envelope with two 28 Inch web straps on both ends. 3 ft. rubber covered lead-in attached. Two springs on one end take up

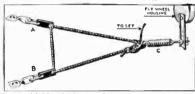
Copper Wire Screen For Auto Roof Aerials



Pure copper wire screen
"cloth." Makes
most efficient most

when installed on top of or under roof. For careful high-grade jobs.

LO-LOSS Triangular Under Car Antenna



A new highly efficient aerial. Provides increased pick-up and greater sensitivity. Provides ample pick-up surface for any make of Auto Radio. The long length of the aerial permits a stronger induced signal thereby increasing sensitivity of the automobile radio. All brackets are of cold rolled steel. All insulation is genuine Backlite. Heavy chromium plated spring. Rubber covered opport lead-in whre and heavy genuine copper cable, Do not be misled by cheap outfits using inferior insulators, steel wire and japanned metal parts.

3F10178—Kit contains the necessary brackets

3FIO178—Rit contains the necessary brackets and hardware for fastening securely in place; 2 rear axle insulators; 1 fly-wheel housing insulator assembly with tension adjuster; 20 feet of 42 strand copper aerial wire with 6 feet of weather-proof insulated lead-in securely soldered to aerial wire.

wire. List Price, \$2.00. YOUR PRICE

I.C. A. Electroalloy All-Metal Under Car Aerial



3110183-YOUR PRICE

Easily installed under running board of any car. The non-magnetic metal used is non-corrosive and provides greater picking than the ordinary steel or galvanized from plate type. 35" long, 8" wide. Running board bolts are insulated from plate by extra heavy rubber washers. Complete with three extra heavy rubber washers. Complete with heavy flexible springs and mounting hardware.

Dipole Auto Antenna For RCA Auto Radios



3110173-Complete with 5' shielded lead-in and all hardware. List Price, \$2.60.

Constructed of cadmium plated metal tubing, mounting brackets are secured by bolts norm used on car running board. 48" long, 6" wide.

New "Red Head" Running Board Aerial

Highest Efficiency Quick, Easy Installation 3F10175-List Price, \$2.50, YOUR PRICE

\$ ¶ 47



Designed for Installation under the running board on boits which are already in running board supports. The mounting brackets are adjustable along the entire 46 inch length of the aerial. No drilling is required. Distance from the running board is adjustable from 2" to 4\frac{1}{2}". The four malleable from aerial brackets are bolted to thoroughly impregnated moisture proof heavy wooden supports. Aerial Consists of twenty feet of heavy, hard drawn, \frac{1}{2}". triple galvanized, steel rod. Stream line assembly, formed into five \frac{1}{2}" divisions, securely welded at two joints making a solid one place rigid unit. The malleable iron brackets can

be easily bent and are readily adaptable to many types of installations. Entire antenna is rust-proofed. Head end is fitted with a machine screw for connecting lead-in. Gives efficient pick up from stations and practically eliminates ignition-moise pickup. Our tests have proven that the "Red Head" Antenna has a greater percentage of efficiency. It is a scientifically engineered auto radio antenna as well as the easiest to install. There are no springs or loose wires to vibrate. The insulation against all road conditions and weather conditions is practically perfect. Overall dimensions 46" long, 9" wide.

"Red Head" Junior Running Board Aerial



4110172-List Price, \$1.65. YOUR PRICE

97¢

New Type Vertical Plate Antenna Gives Higher Efficiency

Gives Higher Efficiency

Mounting brackets are adjustable and will fit under running board of any car on boits or holes which are already in running board. Vertical plate construction decreases aerial to ground capacity and increases the signal strength. Scientifically designed so as not to hickup lightion system interference. Almost twice the efficiency of the ordinary flat metal plate type of aerial. This is the finest and most efficient low priced autoarrial we have ever tested. Sturdiey constructed—no possibility of breakage. Will never sag, vibrate or rattle, and the vertleal construction will not perpetly insulated against all road and weather conditions—will never short out. Fitted with spring clip at front for attaching lead-in. Attractive rust-proof red and black finish. Length overall 36", width 17".

PHILCO Auto Radio Dash Mounting Plates



Permits mounting of all 1935-'36 Phileo Remote Control Units (Radio models 805, 806, 808, 809) on the instrument panel of any car. Fits in place occupied by ash tray. Two tapped projections on back of plate exactly fit control head serves. Packed complete with template and instructions. Attractively designed, Chrome-lite finished.

YOUR PRICE, EACH For Models 805 and 806 Philco Auto Sets

3F6879-Chevrolet, Hudson Terraplane Pontiac cars 3F6880—Plymouth, Dodge, Chrysler and De-Soto Airstream cars,

3F6881-Ford Standard and Ford DeLuxe cars.

For Models 808 and 809 Philco Auto Sets Supplied with Added Hole for Tone Control

3F6882-For Chevrolet, Mudson Terraplane and Pontiac cars.

3F6883 For Plymouth, Dodge, Chrysler and DeSoto Airstream cars. 3F6884-For Ford Standard and Ford DeLuxe

Ground Pick-up Antenna



This Flap Increases Pickup 4DIO179-List Price, \$2.75.

\$157 YOUR PRICE

New weatherproof aerial designed to mount under the running board of any car. Aerial wire is moded inside of flexible, weather-proof rubber strips 3%2 wide. Two strips are mounted parallel on rust proof supporting plates. Overall width 8 inches, length 2 feet 7 inches. An additional 6 inch portion of each strip extends to a point just a few inches above the ground to provide extremo sensitivity. Easy to install, all mounting hardware included. A heavy spring takes up all slack—will not sag or drag.

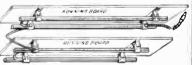
Magic Flap Super Auto Antenna



PRICE PRICE

A one piece sturdy moulded rubber construction, steel reinforced but not exposed. Pickup flan is moulded as an integral part of the antenna proper. Aerial wire is inside of the rubber which is moulded on to a strong steel frame. Makes a permanent installation—keeps its shape, no sar. Suspended from only two points. Two adjustable mounting brackets permit installation on bolts normally used on car. No drilling is required, Brackets are supplied. Lead terminal is securely fastened. By utilizing the powerful ground waves this antenna gives surprising signal strength.

Under-Car Antenna For Philco Auto Radios



Completely Assembled and Wired

3][017]—Single outfit for installation under one running board. Consists of one dual type aerial. List Price, \$2.00. YOUR PRICE

3J10177—Dual outfit for installation under both running boards. Consists of two dual type sayingh. List Price, \$5.00.

YOUR PRICE

Especially designed for use with Phileo auto radios but will give satisfactory results with all other receivers. Fits on bolts already in running board. Installation is made under one or both running boards. The Dual Outfit has almost twice the efficiency of the Single Outfit. Insulated connecting eable supplied with Dual Outfit. Braid covered shielded antenna lead. Antenna channels of heavy rust proof metal. Adjustable saddles bolted to rubber supports with adjustable mounting brackets securely riveted to other end. Length of channels 48".

Ward Leonard Auto Spark Suppressors

Save Gas and Improve Auto Radio Performance



A new type low resistance Automobile igni-

List Price. 60t. YOUR PRICE 27\$

Ward Leonard **New Single Unit** Super Auto Spark Suppressor



Eliminates Individual Suppressors 3J1975—List Price, \$3.50. YOUR PRICE \$1.47

A new inductive type spark suppressor designed for use on late model cars with well-shielded ignition systems. Only one required. Prevents motor noise from reaching the radio. Mounts in center socket of distributor cap only. Casing is moulded bakelite with brass fittings. Heat proof and moisture proof. Because of the low resistance (250 olms) the intensity of the spark is not reduced. Motor efficiency, speed, mileage, and starting in cold weather is not impaired. On cars with dual ignition systems two of these suppressors are required. Size of unit 5%" long overall. %" diameter.

Spark Plug and Distributor Suppressors

For Auto Radio Motor Interference

For silencing engine noises due to spark radia-tion in Auto Radio installations. Carbon resistance element enclosed in waterproof tube. Cannot short or jar loose. Strong and durable.

YOUR PRICE EACH For Any Type



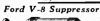
TEN FOR \$1.14 FIFTY FOR \$5.42



Spark Plug Type 3F1988-Fits all cars requiring standard cars requir Suppressor.

Distributor Resistor ... 3F1989 Standard distributor type.

Cable Resistor



3F1986-Inserts in ignition cable. Short Type



3J1990 Buick, Ford V-8, etc. End terminal screws open other end fits all



Auto Radio Lock

Easy to Install. Remove old nut from bulkhead holt, slip on special bushing and nut, and lock slips over nut and bushing. Lock barrel made by Yale. Two keys

3F6332-List, \$1.00. 59¢

Capacity and Inductive Type Auto Filter Units



Single Capacitys

Single Capacitors

In Metal Containers

The units with smaller capacitance are for use on interruptor and battery sides of ignition oil, tail light, windshield where, cigarette lighter, motor direction accessories on the car. The units with greater capacitance are especially desireable to use on car generators. When the generator charging rate is set exceptionally high, type AG-4b should be used. The greater the capacity the greater the filtering value. The greater the capacity the greater the filtering value. The greater the capacity the greater the capacity as \$176-List, 80c.

YUPE AG-2. Capacity .5 Mfd. Size \$x1\frac{1}{2}\$". 3F5176-List, 95c.

YOUR PRICE, EACH

TYPE AG-3a. Capacity 1.0 Mfd. Size 1z\frac{1}{2}\$". 3F5177-List, \$1.25.

YOUR PRICE, EACH

TYPE AG-4b. Capacity 1.5 Mfd. Size 1\frac{1}{2}\$". 3F5178-List, \$1.75.

YOUR PRICE, EACH

TYPE AG-4b. Capacity 1.5 Mfd. Size 1\frac{1}{2}\$". 375175-List, \$1.75.

YOUR PRICE, EACH





Single Capacitor In Tubular Fibre Case

Cased in a durable fibre tube. Two flexible leads. For use on lighting and electric accessory circuits where there is no ground mounting available for a metal can unit. Can be concealed within the upholstery. Will withstand only normal temperatures. 3F5 182—Type AG-5. Capacity .5 mfd. Size %"x2½".

List Price, 85c. YOUR PRICE 18¢

Dual Capacitor and Inductive Units In Metal Cases 3F5179—List, \$1.75. YOUR PRICE

YOUR PRICE
TYPE AG-7. Consists of two 5 Mfd. capacitors and a choke in one can. Size 1/2 2%". For filtering storage battery supply to Radio. Unbalanced condition of electrical auto system caused by makes this unit indispensible in all installations. Diagram for connecting furnished.

TYPE AG-8. Two 5 Mfd. capacitors properly grounded eharsing rate without radio interference. When generator cutout points are open one section of capacitor filters the disturbance. When motor speed is sufficient to close generator cut out points to the other capacitor is automatically added to the charging circuit thereby increasing the filtering effect. Size 1%x2%.

YOUR PRICE, EACH





34¢

Special Filter for Dome Lights 3F5181-List, \$1.50. YOUR PRICE



TYPE AG-6. A .5 Mfd. capacitor and choke in one fibre tube. Three leads. For use on any lighting, electric accessory or ignition circuit where interference is unusually stubborn. Size where 1x3".





Powerflo Auto Spark Suppressors

Inductive Wire Wound

Spark Plug Type 3F1995-



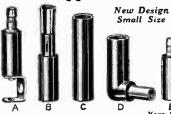
Distributor Type 3F1997

Ford V8 Type 311994-

YOUR PRICE, EACH

Stops radio noises—suppresses disturbances in electrical system that cannot be eliminated otherwise—preents reduction of speed—insures full ongine power—allows faster acceleration—saves excess fuel. The Nichrome Wire Core that is used gives thousands of miles more service from spark plugs, coil and ignition points, than any type of carbon suppressor! A full flow of current from distributor to spark plugs without interruption—efficiency is constant. Not affected by heat or humidity. Will not break, crack down or burn out at any speed. Resistance 12,500 ohms. Ford type 25,000 ohms resistance.

New Compact Suppressors



Small Size

A 8

3F | 979°—Type A Spark Plug Type 3F | 980 — Type B Distributor Type 3F | 980 — Type B Distributor Type 3F | 982 — Type D Elbow Type 3F | 982 — Type D V8 and other Cars | Ten for \$1.34

Fit all makes of spark plugs. End terminal screws open for connecting wires. Latest design new small size suppressors for use on new model cars. Highly efficient noise suppressors for auto-radio installations. Carbon resistance element is encased in a heat-proof and moisture-proof tube. Metal parts are securely fastened. Leakage is at an absolute minimum.

Ford V8 Noise Eliminator Distributor Brush

Replaces Original Brushes

3F 1984—List Price, 30c.
YOUR PRICE, EACH
Ten for\$1.7118¢

A high resistance brush for the distributor of the Ford V8 to eliminate racio interference. Takes the place of the original distributor brush and acts as the distributor suppressor. The material used in the construction of the brush is as durable as in the original brush sipplied with the cac. Will give long wear life. Two suppressor brushes are required for each Ford V8 distributor. ½" diam., ½" long body.

Special Ford V8 Filter Condenser Unit

Bracket Fits Around Ford Bakelite Distributor Head

3J5194-List, YOUR PRICE 25¢

Especially designed for the new Ford V8 distributor. The metal bracket securely attached to the metal case of the filter unit, exactly fits the two bolts that hold the bakelite distributor cap in place. This filter unit is a necessity on all Ford V8 cars because there is no

place for mounting a resistance type of suppressor.

The size and capacity exactly meet the requirements for installation and correct filtering on all Ford V8 cars.

	Radi		Mali	lory	Elect	
Name and Model Number	Stock No.		Stock	Your Price	Stock	
UNITEO MOTORS—Con't. 626, 627, 628, 629 1935 Non-Syn. 6010	3J3363		3J3280 3J3391	3.23 3.23	3J3313 3J3305	
UTAH "B" Elim.—Non-Syn.	3J3347	2.79	3.13263	2,79	3J3300	2.06
WARWICK-511, 618					3J4363	2.50
WELLS GARONER—V6Z2, Z6Z1 5Y 5Y—12 Volt 062, 062A 072, 072A 68, 6U, 2681, 26U1 06W (181 Series) 06W (2nd Series) 6U, Z6S1 6S, Z6U1	3J3376 3J3359 3J3352 3J3357 3J3352 3J3352	2.94 3.38 2.65 3.38	3J3285 3J3283 3J3296 3J3255 3J3257 3J3273 3J3271 3J3271	3.23 3.82 2.94 3.38 2.65 3.38	3J3308 3J3316	3.23 2.20 3.23 3.23 3.23 2.23
WESTINGHOUSE WR-25(4 prong) WR-26 (6 Prong) WR-500, WR-501	3J3342 3J3357 3J3357	2.65	3J3286 3J3287 3J3275	2.65	3J3304 3J3305 3J3305	2.20
WILCOX-GAY—4B6 Roadmate 4B6-2, 5F8-90, 5F8-790	3J3339 3J3339 3J3339	2.65	3J3285 3J3285		3J3304 3J3300 3J3304	2.06
WURLITZER-A60, 460	3J3335	2.65	3J3285	2.65	3 J3300	2.06
ZENITH—7 460, 462 Juntor 7 650HD, 651HE 660TD, 661TE 664, 666, 668 1935 Models	3J3335 3J3335 3J3339 3J3335 3J33377	2.65 2.65 2.65 2.65	3J3285 3J3285	2.65 2.65 2.65	3J3300 3J3300 3J3304 3J3300 3J3327 3J3307	2.06 2.20 2.06 2.06 2.50
Ford 4V31, 4V59, 6V27, 6V62	3.14391	2,94	3J3287	2.65	3J3424	2.94

Vibrators for 6 Volt Home Receivers

ERLA-SENTINEL—31B72, 31B74, 34B71, 34B73	3J4390	2.94	
SIMPLEX—5DB	3J3380	2,94	1
WILCOX-GAY-5F8, 9ON.S.	3J3339	2.65	1
ZENITH-4V31, 4V59, 6V59, 6V62	3J4391	2.94	

Household Sets are also listed in the Auto Radio ReplacementGuidewhich includes all 6 and 12 includes all 6 Volt Vibrators.

Vibrators For 32 Volt Home Receivers

Vibrators For 32 t	VOIT I	поп	Te Ke	cei	vers	
ADMIRAL(L'TATRO)—F923	3J3364	3.23	3J3292	2,94	3J3319	3.09
AIRLINE	3.13385	3.08	3J3295	3.09	3J3320	2.94
ATWATER-KENT 135Z, 215Z, 305Z, 565Z	3J4389	2.94			3J4356	2,50
AUDIOLA-3358	3J3382	3.08	3J3447	3.53	3J3318	2.35
CAPTAIN (L'TATRO)—F913	3J3364	3.23	3J3292	2.94	3J3319	3.09
COLONIAL—(1934 Models)	3J3383	3.38			3J4358	2.79
COMMANDER(L'TATRO) E83	3J3364	3.23	3J3292	2.94	3J3319	3.09
CROSLEY-159, 32V. 645	3J3384	3.53	3 J3448	3.96	3J3323 3J4359	3.09 3.38
DELCO —4049, 4050, 4051 (United Motors) 3203, 3204	3J3384 3J4394	3.53 3.23	3J3448	3.96	3J3323 3J4359	3.09
ELECTRONIC CONV.—10					3J4377 3J4379	3.82 2.65
GOV'NOR (L'TATRO) N54, L54 N74, L74	3J3365 3J3356	3.67 2.94	3J3293 3J3294	3.67 2.94	3J3321 3J3322	3.38 2.79
L'TATRO	3J3356	2.94			3J3322	2.79
T6216, U5226, V5226, V6236, W6236, X6236	3J3356	2.94	3J3294	2.94	3J3322	2.79
MAJESTIC—490 Complete Pack Head Only	3J3350 3J3362	5.88 3.09	3J3392	3.53	3J4356	2.50
PHILCO-Non.Sync. 32V.	3J4392	3.08			3J4380	3.53
PILOT (L'TATRO)—J5, G63	3J3364	3.23	3J3292	2.94	3J3319	3.09
PRESIDENT—084 094, F725, D625, C625	3J3365 3J3356		3J3293 3J3294		3J3321 3J3322	3.38
RECORDER(L'TATRO) P54, P64	3J3356	2.94	3J3294	2.94	3J3322	2.79
SENTINEL (ERLA)	3J3356	2,94			3J3318	2.35
SILVERTONE—(4 prongs) (6 prong) 1855 5234 Conv.	3J3356 3J3383	2.94 3.38			3J3322 3J4358 3J4379	2.79 2.79 2.65
SIMPLEX-1933, 1934 Models	3J3336	3.23	3.J3440	3.38	3J3318	2.35
WELLS GARONER 1934 (1st Scr.) 1934 (2nd Scries) 1935 Models	3J3356 3J3385 3J3385	3.09			3J3320 3J3320	2.94
26B1, 26B5 26R1, 36D510, 36D560	3J3356	2.94	3J3295	3.09	3J3320	2.94
ZENITH INV11					3.J4378	3.82

Auto Radio Cables and Shielding

Shielded Low Capacity Cable



For Auto Antenna Lead-in. Stranded tinned copper conductor size 18. Rubber insulated. Jute filler over conductor with tinned copper shielding overall. Low capacity between conductor and shield permits shield grounding without signal loss.

4F11066—44" O.D.

10 feet for

100 feet for \$4.50 065—14" 4F11065-1/2" O.D.



Rubber Jacket Overall Outer rubber Jacket Overall
Outer rubber Jacket insures Positive
Weatherproofing. Can be used for
Auto Antenna Lead-in or wherever a
low capacity cable must withstand elimatic conditions. Constructed like
above aable except enclosed in a heavy rubber jacket

4E11067-%" 0.D.

Shielded Low Capacity Weatherproof Tubing



A" Inside Diameter and approximately '4," Outside Diameter. Small outside diameter permits easy assembly
in corner post of auto as shield for
antenna lead-in. Excellent for shielding output of signal generators, or any
cables with a diameter of less than
A". Consists of a thoroughly impregnated loom tubing covered with a finely
woren tinned copper shield.

4E11068-10 ft. coll.

Instrument Panel Mounting Kits



For Crowe Universal Heads

For Crowe Universal Heads
For mounting all 1935-'36 Crowe
Remote Controls on dash of ears listed
below. Fits in place now occupied by
ash tray. Many auto radio manufacturers in clu ding Emmerson.
Stewart-Warner, Wells-Gardner.
Traveler and Climax use the Crowe
Remote Control. Kit includes dash
plate, brackets and all hardware.
Size: 334" wide, 33%" high. Escutchcon is finished exactly like dash
of car for which it is supplied.

of ear for which it is supplied.
\$\$76863 - Chryster 1935 Airstream \$\$76864 - DeSoto 1935 Airstream \$\$76865 - Ford 1934 Deluxe & Standard \$\$76864 - Dodge 1935 All Models \$\$76864 - Plymouth (Early 1935) \$\$76866 - Plymouth (Early 1935) \$\$76864 - Plymouth (E

Ford Panel Kit

For Mounting Crowe Remote Controls on Dash of Ford 1935 Standard and DeLuxe Models. Kit includes panel escutcheon and all screws, nuts, wash-ers and attaching brackets.

3J6869-DeLuxe (taupe finish). 3J6870-Standard (Marcon finish). YOUR PRICE

Copper Shielding



For Use on Any Wire

For Use on Any Wire
This shielding is used on amplifiers, speakers, public address conduits, automobile radios and wherever it is destrable to eliminate electrical interference. Forms perfect electrostatic and interference shield. The conductors are run through the sleeving and the sleeving is grounded. Very flexible; can be expanded to nearly double its original diameter, but the length is reduced proportionately. Prices quoted are for lengths of flat wire. Shortening of shielding when opened up to slees we specify is about 25%, so order 25% more flat length than opened up length actually needed.

Natural Copper Finish

Nati	urai Copp			
Stock	Diam.	Wide	10 ft.	50 ft.
Num.	Open			
4E11072				
4E 1 1 0 7 3				
4E11074				
4E11075	1/4 ln.	rh in.	_15c	.60

Individual Wires Tinned
Diam, Wide 10 ft. 50 ft.
Open Flat For For % in. % in. % in. % in. \$2.35 1.65 1.10 1 in. ½ in. ½ in. ½ in. in.

Shielded Lead-in and Ground Wire



Size 18 stranded inner conductor. Rubber insulated with outer braided shield of tinned copper wire. When used as lead-in, by grounding the outer shield to the car frame, the tendency to pick up ignition noise and other static between aerial and receiver is practically eliminated.

3E2195-50 foot coil. 45¢ 3E2196-100 foot coil. 88¢ EACH 3E2194—250 foot coil. \$2.15

Shielded Ignition Cable



7 M/M shielded secondary high tension wire. For leads from plugs to coil, distributor to coil, etc. Conductor consists of 16 strands size 27, tinned copper wire, over which is covering of high tension rubber compound and a specially impregnated cotton braid. Overall is woven shielding of tinned copper wire. Very flexible.

4E11071—10 feet for ... 85¢



Shielded Wires for Auto Radio Installations For "A" Battery Leads

Conductor is B & S size 12 equiva-lent, consisting of 65 size 30 stranded copper wires. Insulation consists of two wrappings of varnish impregnated cambric tapes over which is a woven cotton braid. Overall is wovers shelding of tinned copper wire. Very flexible.

4E11069-10 feet for ... 100 feet for \$3.85

For "B" Battery and Speaker Leads

speaker Leads
4E11070—Conductor is B & S, size
18 equivalent consisting of 16 strands
size 30 copper wiro. Insulation same
as above. 30¢

Page 153

ibrators



For Auto Radios and Home Receivers

Excellent quality vibrators. In many instances these replacement vibrators will perform more satisfactory than the original. Mailory Radolek Mallory Radolek Mallory Part Stock Part Stock Number Number Number Number Number Radolek | Malfory Part Number Stock Number Number Number 3F3272 3F3273 3F3274 3 F'3250 210 211 212 213 214 3F3256 3F3257 3F3258 3F3259 3 F 3 4 4 1 270B 271BD 271HD 273* 273C 273D 3F3441 3F3276 3F3277 3F3278 3F3279 3F3280 3J3390 253 253 253 253 Y 202 203 204 3 F 3251 3 F 3252 3F3275 3F3253 3F3285 3F3286 3F3287 3F3445 3F3254 3F3255 3F3288 3F3289 292 294 205 206 3028 3038 219 F221 223 225 230 231 234 3F3261 3F3261 3F3440 3F3265 3F3442 3F3266 3F3267 3F3268 296 297 275 2778 281 285 2868 287M 289 Y 3F3281 3F3282 3J3391 3J3449 List. \$4.50 312T F204 F251 3F3291 3F3292 3F3294 Your \$2.65 3F3262 220B List, \$5.00

3F3263 Your 3F3290 Price, \$2.94 List, \$5.50 222 3F3264 226 3F3443 F253 3F3295 List, \$5.25 Your 3118 List, \$4.75 Your \$2.79

\$27.00

3F5899 YOUR PRICE \$5.88 Complete

Potter Antenna

Capacity Bridge

With Test Leads and Batteries Entirely Self Contained. For accurately testing efficiency of all automobile merials under actual operating conditions. Tests for—high resistance shorts, too much capacity to body, too small an area, loose or open connections to lead. In. Range 0 to 0.01 mfd. Measures small capacity paper and mica condensers. Operates with any type of headphones or low range output meter. Operates on two flashight cells easily replaced by removing screw cap at side. Black metal case. Size 5"x5"x3"x3".

Genuine Philco Vibrator Replacement

1933, '34, '35

Philco Auto Radios
3F3395—Llst, \$5.00.
YOUR
PRICE \$2.94

Mallory Number 292 Vibrator. 3F3285— 12 for

Price, \$3.23 List F20C 113392 Price, 275X 313394 F312 3F3447 let. \$6.00 F33447 let. *Requires Special Cup Adapter \$73298—Your Price 29c. Prefix letter 'F' designates 32V. Vibrator. 'G' designates 12V. Vibrator. 'G' List Replacement Guide for selecting correct vibrator according to receiver name and model.

F312 | 3 F3447 | Vist. \$6.05 |

Improved R. C. A. **Vibrators**



Your Price \$ 1.00 Price \$ 1.00

YOUR PRICE ... R.C.A. M-105 and G.E. C-41

R.C.A. M-105 and G.E. C-41
Vibrator
R.C.A. part number 7689. An improved genuine R.C.A. replacement.
Exactly replaces the vibrators in the R.C.A. M-105 and General Electric C-41 auto radios.
3F3398—List, \$7.20.
YOUR PRICE \$4.32
R.C.A. M-107 and G.E. C-60
Vibrator

PRICE

Philico part number 385036. Entire unit is housed in a sponge rubber padded crylinder. Vibrator points are of pure s ilver. Plug-in type. Standard 4 prong base Size 2½"x5½" high. N.C.A. M-107 and G.E. C-60

Vibrator

R.C.A. part number 7780. Genuine

R.C.A. improved replacement. Exactly replaces the vibrators in the

Radolek Can Supply Replacement Vibrators

	- D - 1				\$ 001 ·	
Name and Model Number	Rad Stock No.	Your Price		ory Your Price	Stock No.	Your Price
MISSION BELL-10A, 11, 12, 14, 25A, 16	3J3335	2.65	3J3285	2.65	3J3300	2.06
MONTGOMERY-WARD-87 62-118, 62-166	3J3335 3J3357	2.65	3J3285	2.65	3.13300	2.06
Auto Radio 5Y Chassis, 62-199	3J3359 3J3376	2.94 2.94	3J3285 3J3273 3J3255 3J3283	2.94	3J3305 3J3308 3J3315	2.20 2.20 3.23
02-130, 62-138			313295	3.09		
MOTOROLA34 88 61	3J4384 3J3360 3J3360 3J3361	2.65	3J3286 3J3288 3J3289 3J3266 3J3266 3J3268 3J3268 3J3269 3J3276	2.65 2.94	3J3305 3J3301 3J3301 3J3316 3J3314 3J3317 3J3317	2.20 2.65
77, 66 77A	13.13340	3.38	3J3266 3J3276	3.38	3J3316 3J3314	2.65 3.23 2.94
55 55A	3J3387 3J3387	3.38	3J3267 3J3268	3.38	3J3317 3J3317	3.29
44 44A, S6, 66A Dual 6, Twin S	3J3341 3J4397	3.38	3J3269 3J3276 3J3273	3.38	3J3317; 3J3314 3J3329	3.29 2.94
	3J3357	2.65	3.13273	2.65	333329	2.20
57, 75, 100, F57, F75, F100, GM57, GM62, GM75, GM100, GM110 For Plate Ante ma	3J3378 3J3378	2.65 2.65	3J3274 3J3274	2.65 2.65	3J3307 3J3305	2.35 2.20
MUSIC MASTER—Ten-Ten	3J3335	2.65	3.13285	2.65	3J3300	2.06
PACKARD (1933, 1934)	3.13366	2.65			313303	2.20
PHILCO 5, 6 6F, 9, 9F, 10, 11, 51, 700, 800, 802, 805, 806, 807, 808, 809, 810, FF Elim., EG Elim., FN, All 1934, 1935 Models	3J3366	2 65	3.13272	2 65	3J3303	2.20
RADIART "B" Eliminator	3J3335	2.65		2.63	313300	2.06
R. C. A. VICTOR—M34, M105	3.13335	2.65			3J3300	2.06
M116 (Arm-Rest Model)	3J3353 3J4399	3.23	3J3279 3J3446	3.23 3.82	3J3311	3.15
M107 RC166-2 (12 Velt)	3J3357	2.65	3J3273 3J3297	2.65	3J3305	2.20
RS63-1, M109, 63 101, 104, 108, 166, RC166	3J3376		3J3286 3J3284 3J3286	2 65	3J3306 3J3315	2.35 3.23
REMLER27 (Scotty)	3J3379 3J3335	2.65	3J3286 3J3285	the state	3J3300	2.06
SEARS ROFRICK—1935 Models	3J3367	2.65			3.13304	2.20
SEARS ROEBUCK —1935 Models 7128 (4 Prong) 7128 (6 Prong)	3J4384 3J3338	2.65	3J3286 3J3287	2.65	3J4371 3J3305 3J3304 3J3314	2.35 2.20 2.20
7117, 1859A	3.13340	3.23	3J3277	3.23	3.13314	2.94
SENTINEL (SEE ERLA)						
SIMPLEX T 1935 Auto & 6 Volt House Set Auto, DF, DFK, DB, DBK	3J3334 3J3380 3J4384	2.94 2.94 2.65	3J3285	2.65	313300	2.06
SOLAR - 062, 062A	3J3359		3J3255	2 94	3J4373 3J3308	2.94
SPARTON-33, 33A	3J3347	2.79	3.13285		3J3300	2.06
36 296, 333 1936 Models	3J3349 3J3339	3.08 2.65	3J3287	2.65	3J3304 3J4366	2.20 2.35
STAR-O62, O62A	3J3359 3J3357	2.94 2.65	3J3255 3J3273	2.94	3J3308 3J3305	2.20
STEWART RADIO-50, 60	3J 33 332	2.79	3J3285	2.65	3J3300	2.06
STEWART WARNER-R-132	3J4395		3J3444 3J3286	3.23	3J4354 3J3305	3.15 2.20
R1112, 1121, 1122 1112, 1171, 1172, 131, 133 1311 to 1319 Inc. R-118, 1181, 1182, 1183	3J3335 3J4384	2.65 2.65		2.03	3J3300	2.06
R-118, 1181, 1182, 1183 1936 Models	3J4384	2.65	3J3286 3J3286	2.65 2.65	3J4350	2.50
STROMBERG-CARLSON-33	3J3352	2 20	3J3270	7 20	3J3325 3J3316	3.23
TATRO,L-6A, K665, H465, J665,			555270	3.38	01000	3.23
1465 M4616, O4626, P4626, Q5636, R5636	3J3340		3J3281		3J3314	2.94
M4616, S5636, S6636 M4616, P4626, Q4626 R5236, R5636, (2nd)			3J 33 93	3.53	3J4376	3.23
			3J3394	3.53		
TRA-AVLON 5 TUBE	3J3335	2.65			3J3300	2.06
O6W (1st Series) O6X O6W (2nd Series)	3J3352 3J3352	3.38 3.38	3J3256 3J3271	3.38 3.38	3J3316 3J3316	3.23 3.23
TRUETONE—Z6Z1 O62, O62A O62 (3rd Series)	3J3335 3J3359	2.65	3J3285 3J3255	2.65	3J3300 3J3308	2.06
SU	3J3333 3J3357	2.94	3J3273		3J3300 3J3305	2.20 2.06 2,20
25Y 25-Y-1 5Y	3J3376	2.94	3J3283	3,23	3J3315	3.23
6R, 6S R-131, 1312R	3J4348	2.65	3J3286	2.65	3J3315 3J4350 3J4350	3.23 2.50 2.50
TRUEVALUE-6U	3 J335 7	2.65	3J 3 273		3J3305	2.20
UNITED MOTORS-2035, 4036 4037, 4038	3J3347 3J3349	3.091	3J3263 3J3264	2.79	3J3300 3J3309 3J3313	2.06 2.94
Plug-in Syn. 500, 630	3J3337	2.65	3J3280	3,23	3J3313	3.14
UNITED MOTORS-Con't.						

for Any Make of Auto Radio or Home Set

					_	_	-
Name and Model Number	Radi Stock No.	art Your Price	Mall Stock No.	ory Your Price	Electr Stock No.	onic Your Price	l
DETROLA—6A, 1100, 1100A 1934, '35, Models	3J3358 3J3335	2.79	3J3262	2.79	3J3324 3J3300	2.20 2.20 2.20	
6M, 6R 5 Tube 1935 Plug-in	3J4384 3J4384	2.65 2.65	3J3286	2,65	3J3305 3J4370	2.35	
DeWALD-52	3J3347 3J3335 3J3372	2.79 2.65	3J3263 3J3285		313300 313300	2.06 2.06	ı
605, 608 640 A606, A605	3J3373 3J3337	2.65	3J3285 3J3275 3J3285 3J3286	2,65	3J3305 3J3305	2.06	
ELECTRIC AUTO-LITE-072 062, 062A	3J3359	2.94	3J3257 3J3255	3.38 2.94	3J3308	2.20	
ELECTRONIC B-ELIM.			3.13285		3J3300	2.06	F
EMERSON—965, 667 5A 6A 678-1, 678-2 1933 Models DeLuxe 1A	3J3342 3J3340 3J3357 3J3343 3J3374 3J3357	2.65 3.23 2.65 3.23 3.23 3.23 2.65	3J3287 3J3282 3J3275 3J3264	2.65 3.23 2.65 3.09	3J3304 3J3315 3J3305 3J3309 3J3312 3J3315 3J3304	2.20 3.23 2.20 2.94 3.14 3.23 2.20	G
ERLA (SENTINEL)—602 603 5500 7M, 10M, 10MF, 11M	3J3332 3J3386 3J4384 3J3375	2.79 2.65 2.65 2.65	3J3285 3J3285 3J3286 3J3285	2.65 2.65 2.65 2.65	3J3300 3J3300 3J3305 3J4364	2.06 2.06 2.20 2.35	
31B, 34B	2 120 12	2.70		2.79	3J4375 3J3300	3.09	ı
FADA—101, 102, 104B 166 (12V, Auto) 166 (6V, Auto)	3J3347 3J4388 3J4384	2.79 2.94 2.65	3J3263 3J3441 3J3275	3.23	3J3305	2.20	
FAIRBANKS-MORSE (SEE AUD	IOL	A)					l-
FIRESTONE-DeLuxe, R-132-2 5 Tube, 6 Tube, 1314, R-133-2	3J4395 3J3337		3J3444 3J3286	3.23		3.15 2.50	
FORD—(Phileo) (Lincoln) (R.C.A.) (Zenith) Utah Replacement	3J3366 3J3339 3J 33 39	2.65 2.65 2.65		2.65 2.65	3J3303 3J3304 3J3306 3J4351 3J3304	2.20 2.20 2.35 2.35 2.20	
FORD (MAJESTIC) Plug-in Pack Standard Pack Vibrator Head Vibrator Only (Plug-in Type)	3J3346 3J3344 3J3358 3J3339	5.88 4.70 2.79 2.65	(See	Page 2.79	150) 3J3324	2.20	
FREED A9	3J3352	3.38	3J3256	3.38	3J3316	3.23	L
GALVIN (SEE MOTOROLA)							ı
GENERAL ELECTRIC—123 B40, C41, B52, C61 C60 D50, D51, D52 D72	3J4399 3J3353 3J3357 3J3376 3J3367	3.82 3.23 2.65 2.94 2.65	3J3279 3J3273 3J3284 3J3286	3.23 2.65 3.23 2.65	3.J3311 3.J3305 3.J3315 3.J3306	3.15 2.20 3.23 2.35	r
GRAYBAR-150 (Chassis)	3J3340	3.23	3J3277	3.23	3.12314	2.94	1
GREBE-61-12	3J3335	2.65	3J3285	2.65	3.13300	2.06	A
GULBRANSEN (See WELLS-GARDNER)						18	ti
HARLEY DAVIOSON-All Models HUDSON TERRAPLANE	3J3340	3.23	3J3278	3.23	3J4352	2.94	C al st
Majestic Head Mulestic (Vibrator Only)	3J 3 358		3J3262	2.79	3J3324	2.20	fi fi
Zenith 1933, '34 Models Zenith 1935 Models 650HD, 650HE, 660TD, 661TE	3J3335 3J3377	2.65 2.65			3J3305 3J3300	2.20 2.06	ei w a
INTERNATIONAL—K-60 1934 Models	3.133339	2.65	3Ј3287	2.65	3J3304 3J3304	2.20 2.20	3
KARADIO65, 66, 88, 697 All 1934's, 57, 85, 150, 160, 180	3.13338	2.65			3J4374 3J4372	2.94 2.35	E
LARKIN COMPANY—91, 16	3J3335	-	3J3285			2.06	fo fe
LEWOL-9101, 9102	3J3335		3J3285 3J3287	2.65		2.06	n ti
MAJESTIC—66, 116, 116A, 118,	3.13339	2.65					r
40-18805 66 (Head), 116, 116A 66 (Complete Pack with 84 tube) 66 (Complete Pack with old style Majestle tube) Utah Unit	3J3358 3J3345 3J3344	5.29		2.79	3J3324 3J3301	2.20	۱
MALLORY "B" ELIMINATOR							II
Type 1 Type 2 Type 3 Type 4 Type 5	3J3359	2.94	3J3250 3J3251 3J3252 3J3253 3J3254 3J3254	2.94	3J3308	2.20 2.20	I
Non-Syn, "B" Eliminator	3J335! 3J335! 3J3352	2.94			3J3308 3J3316	2.20	I
10, 10C, 10CA, 10P, 10PC, 10S1		-	3J3256		3		ŀ
11, 11M, 11C, 11CD, 11P, 11PC 12, 12C, 12PC 13, 13S 14, 14C, 14PN			3J3258 3J3258 3J3260	3.3	8		



REPLACEMENT VIBRATORS For **Auto Radios and Home Receivers**

ully guaranteed against defects under standard R.M.A. warranty. See unide for alphabetical listing of receivers and model numbers.

Radolek Stock Number	List Price	Your Price	Mfg, Type Number	Radolek Stock Number	List Price	Your Price
3J3300 3J3324 3J3325 3J4363 3J3326 3J3327	\$3.50 3.75 4.25 4.25 4.25 4.25 4.25	\$2.06 2.20 2.50 2.50 2.50 2.50 2.50	704 705 706 707 708 709	3J3313 3J3314 3J3315 3J4352 3J4353 3J4354	\$5.35 5.00 5.50 5.60 5.35 5.50	53.14 2.94 3.23 2.94 3.29 3.15 3.23
3J3328 3J3301 3J4364 3J3302 3J3329 3J3303 3J3304	4.00 4.50 4.00 3.75 3.75 3.75 3.75	2.35 2.65 2.35 2.20 2.20 2.20 2.20	711 712 714 715 716 717	3J3317 3J4355 3J4373 3J4374 3J4375 3J4376	5.60 5.00 5.00 5.00 5.25 5.50	3.29 2.94 2.94 2.94 3.09 3.23
3J3305 3J4365 3J3306 3J4366	3.75 4.50 4.00 4.00 4.00	2.20 2.65 2.35 2.35 2.35	Re For 3	placement V 32 Volt Hom	ibrators e Receiv	ers
3J4367 3J3308 3J4368	4.75 3.75 4.75	2.79 2.20 2.79	3210 3211 500 510 512	3J4377 3J4378 3J3318 3J4356 3J4379	6.50 6.50 4.00 4.25 4.50	3.82 3.82 2.35 2.50 2.65
3J4350 3J4370 3J4371 3J4372	4.25 4.00 4.00 4.00	2.50 2.35 2.35 2.35	540 541 542	3J3319 3J3320 3J3321	5.25 5.00 5.75	3.09 2.94 3.38 3.53
3J3309 3J3310 3J3311	5.00 4.85 5.35	2.94 2.84 3.15	549 550 560 561	3J4357 3J3322 3J4358 3J4359	4.25 4.75 4.75 5.75	2.50 2.79 2.79 3.38 3.09
	Stock Number 3J3300 3J3324 3J3325 3J4363 3J3327 3J3327 3J3327 3J3301 3J3302 3J3303 3J3304 3J3303 3J3304 3J3305 3J4366 3J4366 3J4366 3J4366 3J4366 3J4366 3J4366 3J4370 3J4370 3J4371 3J4371 3J4371 3J4372 3J4371	Stock Number Drice 3J3300 \$3.50 3J3324 3.75 3J3325 4.25 3J3326 4.25 3J3326 4.25 3J3327 4.25 3J3327 4.25 3J3320 3.75 3J3301 4.50 3J4364 4.00 3J4364 4.00 3J3301 3.75 3J3302 3.75 3J3303 3.75 3J3304 3.75 3J3308 4.00 3J3307 4.00 3J3307 4.00 3J3307 4.00 3J4368 4.75 3J4469 4.00 3J4371 4.00 3J4372 4.00 3J4371 4.00	Stock List Price Price Stock Stock	Stock Number Price Price Number Stock Price Number Stock Price Number Stock Stock	Stock Number Type Price Price Number Number	Stock Number Price Price Number Number Num

I.C.A. Interferotrol

A Scientifically Designed Auto Radio Noise and Spark Plug Suppressor Eliminator

A highly efficient easily installed ignition noise eliminator which does not interfere in any way with the functions of the car Ignition system. For noise-free Auto Radio reception. Consists of a combination high-frequency filter and an adjustible balancing circuit that completely eliminates the use of spark plug suppressors. A manual inductance control permits positive "balancing out" of interference regardless of the requency. This adjustable feature is essential for perfect peraidion because of the different frequency characteristics thrountered in different cars. Shielded metal container fitted with bracket for mounting. Installed in series with the afterna at receiver.

Every Auto Radio owner is a prospect for an Interference. Show him that for a small sum you can transform his noisy auto radio into a highly ef-dicient and satisfactory instrument. You'll clinch your sales by simply

Big Sales Opportunity
erry Auto Radio owner is a prospect
r an Interferortol. Show him that
r a small sum you can transform his
isy auto radio into a highly efient and satisfactory instrument,
well clinch your sales by simply

SPRAGUE Auto Radio Vibrator Condensers 1500 D.C. Working Volts



Designed for use as replacements in auto radio vibrator units. Oli impregnated—Fully scaled. Metal can type with flexible leads.

Cap. Mfds.	No.	Type No.	Dimensions
.01 .02 .007 .01	3F7588 3F7586 3F7589 3F7590 3F7591	FR-11 FR-12 LR-27 LR-11 LR-12	1 X 7/8 X 1/4 1 X 7/8 X 1/4 1 1/6 X 7/8 X 9/2 1 1/6 X 7/8 X 9/2 1 1/6 X 7/8 X 9/2 1 1/6 X 7/8 X 9/2
.01 .02 .03	3F7581 3F7582 3F7583	AR-11 AR-12 AR-13	111/6X 13/6X 14 111/6X 13/6X 14 111/6X 13/6X 14
.04 .05 .01 .01	3F7584 3F7585 3F7592 3F7600 3F7601	AR-14 AR-15 MV-11 TR-11 TR-12	Tubular

Replacement Vibrators

For Auto Radios and Home Sets

Radiart Vibrators have achieved an enviable record of excellent performance under all operating conditions. Many major manufacturers of automobile radios are today using Radiart Vibrators as standard equipment. Only the finest materials are used. Every vibrator that leaves the factory coes through 37 separate distinct inspections and tests before it is released. Exhaustive life tests, two hundred times more severe than any service the vibrators could be subjected to in actual use, are made at the factory. SERVICEMEN—use the replacement vibrator the set manufacturers prefer. Not universal replacements—Radiart vibrators are exact duplications of the original vibrators used in the receivers for which Radiart replacements are specified. If the Radiart type number of the vibrator you need is not stamped on the defective unit see the Vibrator Replacement Guide. Radiart type numbers with the corresponding Radiolek stock numbers are listed below. On your order be sure to specify the correct Radolek stock number for the type vibrator you require.

Radiart	Radolek	Radiart	Radolek	Radiart	Radolek	Radiart	Radolek
Part.	Stock	Part	Stock	Part	Stock	Part	Stock
Number	Number	Number	Number	Number	Number	Number	Number
10.10		0747	2=222	2215	252240	3290	252244
2742	3 F 3 3 3 0	2747	3 F 3 3 3 2	3315 3460	3 F 3 3 4 9 3 F 3 3 6 2	3317	3F3341 3F3351
2867	3F3335	3313	3F3347	3461	3F3362	3318	3F3352
326 0	3 F 3 3 3 7 3 F 3 3 3 8	3442 3398	3F3358 3F3370	3608	3F3382	3445	3 F 3 3 5 2
3261	3 . 3339	3338	3 - 33 / 0	3651	3F3385	3503	3 F 3 3 8 3
3262	3F3367	7 ton - 64 77		3848	3F3368	4607	3 3 3 3 8 7
3263	3F3339	List, \$4.7	0	4319	3 1 4 3 9 2	List. \$5.7	
3299	3F3342	Your 4		1	314393		
3320	3 F 3 3 6 6	Price.	\$2.79			Price.	3.38
3356	3F3355			List, \$5.2	5		-
3375	3F3386	2819	3F3333	Your 4		3607	3F3384
3417	3F3357	2864	3F3334	Price.	\$3.08	List. \$6.0	
		3395	3F3356 3F3359			Your	3.53
3741	3F3372	3443	313333	3225	3F3336	Price,	3.33
3782	3F3369	3444	3 F 3 3 6 0	3283	3 F3340	4415	J 3J4399
3786	3F3373	3481	314387	3308	3F3343		
3806	3F3379	3679	3F3380	3319	3F3353	Price,	3.82
3815 3818	3F3378 3F3381	3774	3 4 3 8 8	3462 3850	3F3364 3F3374		
0010	313301	3789	3F3371	4404	314394	3310	3 F 3 3 4 4
3865	3F3377	3883	3F3376	4414	314395	3314	3 F3348
3888	3 F 3 3 7 5	4314	314389	4500	3 3 4 3 9 €	List, \$8.0	
1260	314384	4403	3J4390	4502	314397	Your	4.70
4313	3 3 4 3 8 5	4612	3J4391	4608	314398	Price,	4.70
4318	314386	H				3312	3F3346
List. \$4.	50	List, \$5.0	0	I,ist, \$5.5	0	3316	3F3350
				Your a			
Price.	2.65	Prico.	\$2.94	Price.	\$3.23	Price	5.88
		u		H- 1.00,		FILE,	,,,,,,,

Ford-Majestic Complete Replacement Pack



Radiart Code 3312. For sets with serial numbers after 26636. 3F3346-List, \$10.00.

YOUR PRICE \$5.88

Replaces old pack—Uses new plug-in vibrator—Uses new type 84 tube! vibrator—Uses new type 84 tube!
Elliminates at one stroke both sources of trouble in the old style Ford receiver . . . first the old type vibrator unit and transformer, and secondly the old style rectifier tube which in addition to being troublesome is so difficult to secure. A complete primary power pack, scientifically designed and tested in the receiver. Easy to install. Tube supplied. Instructions included.

Majestic Twin 6 Complete Replacement Pack

For replacement on both Majestic twin six sets and on Ford Majestic receivers of the vibrator type under serial number 26636. Pack incorporates a type 84 rectifier tube. 3J33345—Code 3311. \$5.25

Radiart Replacement Head



For Majestic 66-116 and All Ford-Majestics of Non Plug-in Type, also Belmont 660.

Modernizes all the above auto radio receivers by applying the latest vibrator improvements. Does not require replacement of the entire pack. Use this vibrating head in place of the original. Exactly fits. No rewiring or redrilling necessary. Will give from 3 to 6 times the life of the original unit. A .01 Mfd., 1000 Volt condenser included. List, \$4.75—Code 3442.

3F3358

General Electric and R. C. A. Replacement



Replacement
Exactly replaces the original vibrator used in General Electric models: B40, C41, B62 and C61 also R.C.2. mod ols M34, M105, M116 (Arm-Rest model), DeLuxe 123, Will give long trouble free service.

3F3353—Code 3319, Y007 \$3.23

\$3.23 PRICE

Philco Replacement

Finico Replacement
Exact 11 replaces the
original vibrator used in
the following Phileo auto
wets: 5, 6, 6F, 9, 9F, 10,
11, 51, 800, 805, 806,
807, 808 and 'B'
eliminators: EF. EG and
FN. Also any 1934 or
1935 models not specified
above.

3F3366—Code 3320. YOUR \$2.65



Motorola Replacements

Models 66, 77
(1st series)
Exactly duplicates the original physical specifications. Improved electrically, Will give long satisfactory service.
List Price, 35.75, 3F3361—C o d e 3445.

3445. Your Price \$3.38

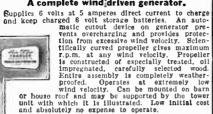
Belmont Model 660 Complete Replace-ment Power Pack. 3F3348-Radiart.



With type 84 tube.
An exact duplication of the original as to size but improved electrically. Will give longer life and more satisfactory service.

							_
	Name and Model Number	Rad Stock No.	iart Your Price	Mal Stock No.	ory Your Price	Elect Stock No.	ronic Your Price
	ADDISON—531, 631	3J3335	2.65	3J3285	2.65		
ļ	AIR CHIEF-66					3J3312	2.94
i	AIRLINE—62 118 Auto Radio	3J3359 3J3357	2.94 2.65	3J3273 3J3273 3J3255	2.65 2.65 2.94	3J3308 3J3305	2.20 2.20
	AIRMATE (BOD)-1934 4 Tube 1935			3J3264 3J3280	3.03 3.28		
	ALL-AMERICAN MOHAWK	3J3335	2.65	3J3285	2.65	3J3300	2.06
L 2 L	ARCADIA—6U O62, O62A O72, O72A, 172	3J3357 3J3359 3J3352	2.65 2.94 3.38	3J3273 3J3255 3J3257	2.65 2.94 3.38	3J3329 3J3308 3J3316	2.20 2.20 3.23
7	ARVIN —10A, 20A, 20B, 30A, 30B, 16, —15, 25, 35, 45, (2nd series) 15, 25, 35, 45, (1st series) 17, 17A, 27, 37, 7	3J33330 3J3338 3J3367	2.65 2.65 2.65	3J3285 3J3287 3J3286	2.65 2.65 2.65	3J3300 3J3304 3J3307	2.06 2.20 2.35
	ATWATER-KENT-424, 534 666, 776, 926, 936 816 135Z, 215Z, 305Z, 565Z	3J3313 3J3339 3J3368	3.23 2.65 3.08	3J3264 3J3257 3J3443	3.09 2.65 3.09	3J3312 3J3401 3J3402 3J4351	2.94 2.35 2.94 2.35
	AUDIOLA—A6 C6, 64, 74 23-S-7, 33-S-6 33A6	3J3343 3J33 6 9	3.23 2.65	3J3291 3J3442	2.94	3J3312 3J4370 3J3301 3J3310 3J3302 3J3312	2.94 2.35 2.65 2.84
3	345, 346, 347 (6 prong) 8-6, 8-7 346, 347 (4 prong)	3J3355 3J3340	3.23	3J3287 3J3286	2.65	333300	2.20 2.94 2.20
	AUTOCRAT—5 518, 618	3J3335 393357	2.65 2.65	3J3285	2.65	3J3329 3J3329	2.06 2.20
3	AUTOMATIC Tom Thumb (1933 Models) Sr. A 600, Jr. 1934, 1935 Models, A5, S6	3J3335 3J3370 3J3370	2.65 2.91 2.91	3J3285 3J3285 3J3285	2.65 2.65 2.65	3 J3300 3J3300 3J3328	2.06 2.06 2.35
9	BELMONT (FRESHMAN) 660 (Complete Pack) 660 (Vibrator Head) 660 (Vibrator Only) 1932 Models	3J3348 3J3358	2.79	3.13262	2.79	3J3324	2.20
	670 670 A 580, 680, 880	3J3339 3J4384 3J4384		3J3290 3J3287 3J3286 3J3286	2.65	3J3324 3J3301 3J4351 3J3305 3J3326	2.50
1	BLACKHAWK6U, 64	3J3357		3J3273		3J3305	2,20
е	BOSCH —150 Series 1 150 Series 2, 160, 45 Syn. 140 Series 2 and 3 524, 634, 634A	3J3352 3J3340 3J3340 3J3357	3.38 3.23 3.23 2.65	3J3261 3J3277 3J3277 3J3275	3.38 3.23 3.23 2.65	3.13316 3.13314 3.13314 3.13305	3.23 2.94 2.94 2.20
	45 Non Syn., 78, 79 79, (2nd Series) 534-634-634A	3J3333 3J4384		3 J32 87	2.65	3J3304	2.20
1	B.O.P. (Buick, Olds., Pontiac) 1 Unit & 2 Unit—Non Syn, 1 Unit & 2 Unit—Syn, Plug-in Syn,	3J3347 3J3349 3J3363				3J3300 3J3309 3J3313	2.94 3.14
	393884, 393885, 405045, 405046 405057, 405062, 554245, 554246 544267, 544208, 544289-90-91 980883, 980393 980441, 980455, 980459 980507-508-509 98206-007-068 983501-509-507-508	3J3363 3J3363 3J3363 3J3347 3J3349 3J4393	3.08 3.08 3.08 2.79 3.09 3.08	3J3280 3J3280 3J3280 3J3263 3J3264 3J3390 3J3280 3J3280	3.23 3.23 3.23 2.79 3.09 3.23 3.23 3.23	3J3313 3J3313 3J3313 3J3309 3J3313 3J3313 3J3313	3.14 3.14 3.14 2.06 2.94 3.15 3.15
e	CADILLAC 6U2 Standard 062W Standard 062W Master 2721 (072) 2722 (072A) 56V1	3J3357 3J3352 3J3359 3J3359 3J3352	2.65 3.38 3.38 2.94	3J3273 3J3256 3J3271 3J3255 3J3257 3J3263	2.65 3.38 3.38 2.94	3J3305 3J3316 3J3316 3J3308 3J3316	2.20 3.23 3.23 2.20
d l l y	CHEVROLET—Ping-in Syn. 1 Unit & 2 Unit Non Syn. 1 Unit & 2 Unit Syn. 1 Unit & 2 Unit Syn. 364441 500153, 600249, 600565, 600566 601038, 601174-175-177-525 501547-574-586-602-814 985100, 985200 985300	3J3363 3J3347 3J3349 3J3349 3J3363 3J3363 3J3363 3J33833333334393	2.79	3J3263 3J3264 3J3280 3J3280 3J3286 3J3390	2.79 3.09 3.23 3.23 2.65 3.23	3J3313 3J3300 3J3309 3J3309 3J3313 3J3313	3.14 2.06 2.94 2.06 2.94 3.14 3.14
	CLARION—100 TC 50 (4 Prong) TC 50 (6 Prong)	3J3335 3J4384 3J3339		3J3286 1J3286 3J3287		3J3305 3J3305 3J3304	2.20 2.20 2.20 2.20
	COLONIAL—106 B" Pow. Supply 150 Non Syn., 164 150 Syn.	3J3347 3J3339 3J3340 3J3339	2.79 2.65 3.23 2.65	3J3263 3J3262 3J3277 3J3287	2.79 2.79 3.23 2.65	3J3300 3J3304 3J4352 3J3304	2.06 2.20 2.94 2.20
ļ	CONSOLE (L'TATRO)—6A	3J3340	3.23	3J3281		3,13314	2.94
	CONSOLIDATED-51			3J3265		3J3310	2.84
1	CROSLEY—98, 9), 102, 103, 119, 4A1, 5A3	3J3351 3J3371	3.38	3J3265	_	3J3310 3J43 5 3	

Charges Batteries at No Cost A complete wind driven generator.



and absolutely no expense to operate.

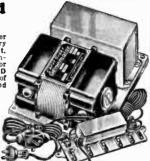
4F10143—Generator complete with ammeter, cutout relay, pipe fittings, clamps, battery clips and 50 ft. of No. 12 insulated copper wire. Complete instructions for operation and installation. Without atesi mounting tower.

4JI0144-41/2 ft. Steel Tower Only \$3.75

Carter Air Cooled Gen-E-Motors

Gen-E-Motors

A new line of high efficiency Carter Genemotors for all types of battery operated receivers. Delivers a constant, uniform "B" voltage. Eliminates unsatisfactory "B" batterles and vibrator type power supplies. New AIR COOLED Construction eliminates possibility of overheating. Output its adequately filtered insuring smooth, quiet operation. Can be installed in any position. Can be installed in any position. Can be installed in any position. Supplies of the property of the prope



	Tapped at 22, 45, 67, 90, 135, 180 volts									
Stock Number	Model Number	Input Volts	Output Volta	Output M. A.	Current Drain	List Price	Your Price			
3F4469 3F4470 3F4471 3F4472	3280F 3280G 3280H 3280J	32 32 32 32 32	180 180 180 200	30 40 50 40	.5 .5 .6	\$22.50 23.00 23.50 24.00	\$13.23 13.52 13.84 14.11			
3F4473 3F4474 3F4475*	6280F 6280G	6.3 6.3	180 180	30 40	2.2 2.5	22.50 22.50	13.23 13.23			
3F4476* 3F4477*	1720A 1750A	6.3 6.3 6.3	180 200 250	30 40 50	2.2 3. 4.5	\$18.50 18.50 18.50	} \$10 <u>88</u>			

For Two Volt Air Cell Receivers-Tapped at 671/2 Volts | 2.0 | 135 | 10 | 2.2 | \$22.50 | \$13.23

Carter Heavy Duty Gen-E-Motors

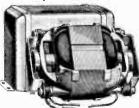
For Sound Trucks and Transmitters

Motor Is designed especially for high voltage output. Unusually large filter. For 6 Volt Input

	Motor Complete with Filter							
Stock	Output	Output	Current	List	Your	Stock	Your	
Number	Volts	M. A.	Drain	Price	Price	Number	Price	
3F4479	180	115	7.3	\$30.00	\$17.64	3F4484	\$13.23	
3F4480	250	50	4.5	30.00	17.64	3F4442	13.23	
3F4481	275	75	6.0	32.50	19.11	3F4443	14.70	
3F4482	300	100	10.5	34.00	19.99	3F4444	16.17	
3F4483	350	100	11.3	35.00	20.58	3F4445	16.17	

Pioneer Gen-E-Motor Compact Units

Replaces Vibrators on 6 Volt and 32 Volt Radios For 6 Volt Operation



Extremely compact-only 4%" high, 5½" wide, 2%" deep. Requires no adjustment, no attention, no oiling, and no servicing. Uses original filter system of vibrator, Complete instruc-

4J4400—Delivers 225 volts at 50 M.A. Battery drain 3.8 Amps. 4J4401—Delivers 250 volts at 50 M.A. Battery drain 4.2 Amps.
List, \$13.00. ...\$7.64 YOUR PRICE

For 32 Volt Operation 414402—Delivers 210 volts at 45 M.A. Battery drain 0.4 Amps. List, \$16.50. \$9.70 YOUR PRICE

Replaces Vibrator in Ford

Replaces Vibrator in Ford
Radios
3J4403—For Ford (Majestle)
Auto Sets. Delivers 250 V. at 50 M.A.
Tapped at 90 V.
Exactly fits place occupied by vibrator
pack. Replaces entire vibrator unit
and rectifier tube. No adjustments nor
rowlring necessary.
List Price, \$13.00.

\$7.64 YOUR PRICE \$7.64

Pioneer Air-Flo Charger | Special Value! 15 Watt Amplifier

3]10671-With Sylvania Tubes. List, \$55.00. \$19.95

Due to a change in models we are offering this Amplifier at a reduced price to close at a reduced price to out our present stock.

out our present stock.

For Every Type Installation
Ample volume for up to 5000 people.
Will provide good sound coverage for conventions, school auditoriums, large refectories, county fairs, ball rooms, attliette fields, and other locations where plenty of volume with good clarity is required.

For Microphone and Phonograph

Can be used to amplify phonograph music or voice from Single or Double Button Carbon Microphone when used with matching transformer.

For Use with Low Gain

For Use with Low Gain Microphone
This amplifier when used with either of the Preamplifiers listed on page 126 makes a fine combination for use with Crystal or Velocity microphones when they are used at long distances from main amplifier. For such installations as huge stadiums, auditoriums, athletic fields, etc., this type of set-up will keep hum pickup down to a minimum.

For 105-120 Volts, 50-60 Cycle A. C. Operation

> Formerly Priced at \$24.50. 3JI 0670-Less Tubes.

List. \$50.00. 150

Characteristics and Specifications

Specifications

1. 30 Watts field supply for one, two or three speaker fields.

2. Three Stages with five tubes, 1-57, 1-56, 2-2A3's, 1-5Z3.

3. 88 D.B. Gain at 1000 cycles.

4. Flat Frequency Curve—Within f D.B. from 40 to 9,000 cycles.

5. Input Impedance 200,000 ohms.

8. Master Volume Control.

7. Tone Control and On-Off Switch

Control and On-Off Switch

Tone Control and On-Off Switch Conbined. Output Impedance Tapped at 3, 6, 9, 15, and 500 ohms. Con-nections at bakelite strip with values engraved at each binding post.

Only .09 volts input signal required to obtain maximum out-

Hum level lower than .1 of 1%. Power consumption 150 watts.

Power consumption 150 watts. Six foot super service power connection cord with rubber plug. Renewable Glass Fuse. Baked-on Black Enamel finish. Overall height 8"; Base, 9" x 16" x 234".
Wt., 25 lbs. Ship. Wt., 35 lbs.

Pioneer Gas Engine Driven Generator

110 Volts A.C. at 300 Watts

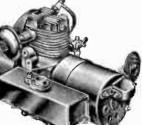
4F10142-List Price, \$135.50, YOUR PRICE

\$79<u>95</u>

Provides a desirable, economical and dependable source of electric current. Especially recommended for use with Public Address systems where commercial power lines are not available or inconvenient to use. A very economical power source for Sound trucks, Runs 4 hours on 1 quart of gasoline and does not need an external exciting current. Single cylinder 4

cycle air-cooled gasoline engine develops % H.P. Governor assures constant frequency. Foot pedal starter. Generator develops 110-120 volts 60 cycle A.C. at 300 watts and 7½ volts D.C. at 5 amperes for charging storage battery. Mounted on 12 in. x 26 in. Steel base. Net Wt., 79 lbs. Shpr. Wt., 94 lbs. Steel base. Net Shpg. Wt., 94 lbs.

Pioneer Gas Engine Power Systems



Engine Specifications Engine Specifications
Four cycle, single cylinder, ¾ II.P.
at 3600 R.P.M. Fuel tank capacity
one quart. Fuel Consumption—at 150
Watts operates on one gallon of gasoline for fifteen hours. Oil Consumption
—two ounces in ten hours. Fly ball
type governor. High tension flywheel
type magneto. Suction feed carburetor.
Solash lubrication.

For Battery Charging and As D.C. Power Systems

For charging Itadio, Public Address, Automobile, and Tractor Storage Batterries. Provides power for lights on farms, camps, construction work, boats, and to operate electric tools. Can also be used to operate 8 Volt D.C. Public Address Systems. An auxiliary putters and machinery such as pumps, washing machines, cream separators, etc. by means of a "V" belt. The 4J10140 and 4J10141 can be used to operate D.C. appliances or lights direct from the generator. On all others storage batteries must be used across the line.

Reliable and Economical Keltable and Economical
The Generator—self-secited, two pole.
Armature mounted on crankshaft, Push
Button Starting to start the engine
from the storage battery. A rope-pull
starter is provided for use when battery
is dead, All plants are furnished complete with ammeter, cutout relay,
leads, and battery elips. Size 11"
x 10" x 17" long. Weighs only 50 lbs.

Stock	Type	Application	Power	Your
Number	Number		Output	Price
4J10135	F6	For use with 6-volt batteries For use with 6-volt batteries For use with 12-volt batteries	150 Watts	\$37.50
4J10136	F6X		200 Watts	41.25
4J10137	F12		150 Watts	40.85
4J10138 4J10139 4J10140	F12X F32 F32R	For use with 12-volt batteries For use with 32-volt batteries For operation of 32-volt lights	250 Watts 250 Watts	45.00 45.00
4J10141	FIID	or DC appliances. For operation of 110-volt DC appliances or lights.	250 Watts	45.00 45.00

tions.

EVEREADY Radio Batteries

All Eveready "B" and "C" Batteries Illustrated with new plug-in type connections are also equipped with regular clip type connectors.



Medium Size "B" No. 572-45 Volts

Your Price, Each 99c. Less 2% Net 97¢ In Six Lots, Each 90c. Less 2% Net 88c. Height 8", Length 8", Width 34". Weight 9 pounds. Terminals to give +22½ and +45 volts. An almost unbelievable price for a genuine medium size Eveready battery. Hound cell construction. Both clip and plugin connections. Plug supplied.

Large Size "B" No. 570-45 Volts

3J42-List, \$1.79. YOUR PRICE, Each \$1.38. Height 8", Length 8", Width 44". Weight 14 pounds. Terminals at +22½ and +45 volts. Round cell construction.

\$1.35 Six Lots, Each \$1.25. Less 2% Net \$1.22

B" for Oscillators, Ohmmeter, Voltmeters, Portable Radios



No. 762 45 Volts 3F54-Retall Price, \$1.35 Your Price.

Each \$1.05 Less 2% \$1.03

IN LOTS OF Each 950 Less 2% 93c

762 is standard equipment in hundreds of test instruments. Tapped at 22½ and 45. Weight 3½ ibs. Shelf-life, over 8 months. Size: Height 6¾", Length 4¾", Width 2½".

"C" for Test Equipment "B" for Radio Receivers No. 768-221/2 Volts



3J55-Retail Price, 85c. YOUR PRICE, Each 66c.

65¢ Lots of Ten. Each 60c. Less 2% 59c Tapped at -3, -4½, -16½, -22½.

Excellent for Ohmmeters, small service oscillators, as well as for 'Berplacement in portable receivers, noise locators, etc. Used extensively as 'C' battery for 120, 31, 71A tubes on 135 volts. Shelf life over 8 months. Size: Height 2½". Length 4½", Width 2½".

Midget "C" for Oscillators No. 763-221/2 Volts



3J56-Retail Price, 75c. YOUR PRICE, Each 58c.

. 57¢ Lots of Ten, Each 53c. Less 2% 52c The smallest of the 22½ Volt "C" batteries for use with one or two tube test oscillators or in portable short-wave receivers. Length 3%", width 2", 2½" high. Six month shelf

Standard "C" With 3 Clip Terminals



41/2 Volts 3F57— Itetail Price, 35c YOUR PRICE Each 28c Less 2% in Lots of Ten, Each 25c Less 2% 24c

No. 771

No. 761-T-41/2 Volts

With 4 Screw Terminals 3J89-List Price, 35c. YOUR PRICE, Each 28c.

Less 2% In Ten lots, 25c. Less 2%, Each 24c

The longest life "C" bias battery made—service of two years not unusual with this stury little power unit. Used in many test oscillators as the source of flament current with should not be expected to supply more than one 60 M.A. Tube on intermitant service. Four terminals, for Pos., Nog. 1½, 3, 4½ voits. Size: Height 8", Length 4", Width 1%".

Ohmmeter "C"



4½ Volts 3F58— Retail Price, 40e. Your Price, Each 31c.

No. 781

Less 2% ... 30¢ IN LOTS OF FIVE. Each 28c. Less 2% 27c

Used in Analyzers, and in majority of the street of the st

"C" Bias No. 773-71/2 Volts



3J59-Retail Price, 65 YOUR PRICE, Each 49c. -Retail Price, 65c.

Lots of Five, Each 44c. Less 2% 43c For 7½ volt ohmmeters and as a selective source of "C" Blas. (hoice of 1½, 3, 4½, 6, and 7½ volts, Brassposts and one flexible terminal, Height 2%", Length 4". Width %".

Layerbilt "B" Batteries



Exclusive flat-cell construction elimi-nates waste space. Concentrates the power making materials. Layerbilt batterles cost more initially than the power making materials. Layerbilt batteries cost more initially than round cell batteries but last from 50% to 100% longer. Will give good service all the way down to 24 volts. Sell your customers "Layerbilt" batteries—the millions of advertising dollars that have, and ars, being spent to inform the receiver owners about the suppriority of the "Layerbilt" makes it easy. Particularly recommended for "Air Cell" Receivers.

Medium Size No. 485-45 Volts

3J64-List, \$1.89. Your Price, Each \$1.45 Less 2% \$1.45

In Six Lots, \$1.32. Less 2% \$1.29 Height 8". Length 8 h". Width 3 h". Weight 11 pounds. Terminals to give +22 h and +45 rolts. Equipped with both clip type and plug-in connections. Plug included.

> Large Size No. 486-45 Volts

In Six Lots, \$1.67. Less 2% \$1.64 Height 8", Lergth 8", Width 43d", Weight 16 pounds. Terminals to give +22½ and +45 volts. Equipped with both clip type and plug-in connections. Plug included.

Test Set and Flashlight Batteries



Large 703 41/2 Volts Same size as Burgess Number 532.

3F82-3 cell. Size: 2% x2 76 x 18". Retail Price, 30c. Your Price, 20¢

EVEREADY

Medium 751

Same size as Burgess Number 432.
3F83-3 cell. Size: 2½ x2x¹¹4.
Retail Price, 30c.
YOUR PRICE, Each20 ... 20¢ Medium 750

-2 cell. Size: 24x14x% Retail Price, 15c. YOUR PRICE, EACH..... 10¢

Unit-Cells 3F86 — Standard 950. Tub. Size: 950. 114 x2 % ". 10c. Retail

114 1275 Price, 10c. Your Price 12 Cells for 78C 48 for \$3.12. Less 2%\$3.06

3F87—Baby 935. Tub. Size 1x17/4". Retail Price, 10c. Your Price 12 Cells for 78C

3F88 — Penlight
Type No. 915. Size
Axl 16". Tubular Single Cell. Retail
Price, 5c. YOUR PRICE, 12 Cells for 39c **Eveready Air Cell** "A" Battery



3F49 Code A600, List Price, \$5.95, Your Price, Ea., \$4.17.

Less 2%, Net \$4.09

receivers.
Retail Price, \$7.50.
YOUR PRICE, \$5.25. Less 2% Net

\$ Voit "A" Dry Battery Pack



For use with 2 volt radio receivers. Will give 400 hours of service at 3 hours per day on ½ ampere load. 18 pounds. Size: Length 11 fg.", 3J69—Retail, \$4.00.

3J69—Retail, \$4.00.

Less 2% Net\$2.63

\$2.63

EVEREADY

A Batteries Dry Cell Standard 1½ Volt No. 7111

3F80— Retail Price, 40e. Your Price, 31e Each. Less 2% ... 30¢ In Lots of 25, Each 28c. Less 2% 27c Recovers rapidly during a short period of rest. Size 2% x6 in. Weight, 2 lbs. 2 oz.

No. 6 Igniter

Eveready--Columbia 3F8 1-Retail Price, 30c. Your Price, Single Lots.... in Lots of 25, Each.... 20 c

> Voltage Regulator For 2 Volt Tubes



All 2 volt tubes, either 30-31-32-33 or 34 are made to operate on voltages from 1½ to 2 volts only. Any fraction above two volts will greatly reduce the life of the tubes and battery. A new battery actually has 3 volts therefore the Voltage Regulator must be used to reduce this to 2 volts. 4 tans are provided on the regulator. The pruper connections can be made from time to time so as to complemental for the gradual reduction of the battery voltage. Insures uniform reception and long life for the tubes and battery.

3F2495—

YOUR PRICE

Large sales of Eveready Batterles means fast turnover. To you this means fast turnover. To you this means fresh new batteries at all times

NEWEST Radio Data Books

Voltage Tables for Broadcast Receivers-By F. L. Sprayberry



PRICE 98¢

This New Manual has over 300 pages containing more than 1500 Complete Voltage Tables on radio broadcast receivers made in the United States and Canada from 1927 up to and in clu ding Feb. 1935. All tables have been carefully checked for accuracy. Six large, easy-to-read voltage tables to a page. Completely cross-indexed. With this book processing the content of the voltage tables will be issued from the voltage tables will be issued from the voltage tables will be issued from the voltage method. New voltage tables will be issued from the voltage method. New voltage tables will be issued from the voltage method. New voltage tables will be issued from the voltage method. New voltage tables will be issued from the voltage method. New voltage tables will be issued from the voltage method. See the voltage method is 8½x11x1½ inches. Durable fabric cover. This New Manual has over 300

Radio Operating Questions and Answers

New Fifth Edition

Qualify as a Police Radio Station Operator! Here is a field for servicemen in cities with police radio stations. All you need to know for your Commercial License application is presented in easy to understand form, in 600 questions and answers including new regulations pertaining to police, seronautical, marine and amateur station operating. 388 pages, 96 illustrations, 5½"28" cloth binding.

3E5977 YOUR PRICE \$2.50

Experimental Radio Engineering



3F5931-YOUR PRICE ... \$3.50

EXPERIMENAL

RADIO

ENGINEERING

by John H. Hoovers!

by John H. Hoovers!

knowledge. 345 pages of knowledge which will prove to he of immense value to you. 6x8 inches.

Radio Amateur's Handbook

13th Edition-1936

3F5976-YOUR PRICE

YOUR PRICE
All the accumulated knowledge and fundamentals of Amateur Radio has been condensed into the 480 pages of this book. Contains every detail necessary for a thorough understanding of Amateur Radio. Tells how to get started in this fascinating work of communication with other fellows throughout the whole world. Profusely illustrated. Size 6½x9½ inches.

R.C.A. Service Manuals 5 Volumes



1923-1928 1929 - 1930

1931,1932 1933

1934 Complete

Service Information. Drawings and Price Lists

The five volumes cover all RCA or Victor models produced from 1923 to 1935 except old Victorola instruments that did not contain a radio receiver. Over 300 pages in each volume. Complete replacement parts lists are provided for all models issued since 1929. Technical information on all RCA Victor models. Time saving service information is also included and conveniently arranged for every RCA Victor receiver. In addition, each volume contains other valuable information such as impedance, inductance and capacity charts, and other data peculiar to the receivers described therein. Handsomely bound between stiff fabric covers. Size 10%x9 inches.

3F5945—1923-1928 3F5946—1929-1930 3F5947—1931-1932 3F5948—1933 3F5949—1934

YOUR PRICE EACH VOLUME

Alfred M. Ghirardi



The author of two best selling books on radio writes as follows to the Radolek Company:—

to the Radolek Company:—
"Thank you Mr. Braun:
For your presentation of my
"Radio Physics Course" in your
eatalog of radio parts and accessories for servicemen.
It is one of the most complete
listings of radio merchandise I
have had the pleasure of exemIning. Your clients who purchase
my book may have the author's
e that your catalog lists an ample assortmerchandise for their needs.

Wishing you every success, 1 am, (Signed) Alfred A. Ghirardi

Radio Physics Course



By A. A. Ghirardi

3J5996-YOUR PRICE \$4.00

PAGES-508 ILLUSTRA-

992 PAGES — 508 ILLUSTRATIONS. Latest edition, enlarged and revised. The most interesting, clearest and concise book on radio we have ever read. A complete, up-to-date, authoritative Electrical and Radio Course which answers every question on Radio, Electricity. Photo-electric Cells, Television, Talkies, etc. A Book no Technical Student, experimenter or Service Man can afford to be without. Has new chapters on sound, superheterodynes, television, latest test equipment, short-wares, "talkies," auto radio and aircraft receivers. Also includes the latest material in the previous volumes. Why pay a large fee for a course in radio when this splendid book gives you all the theory you need for a complete understanding of radio service. Hard covers, bound in durable cloth. Size: 9½x7 inches.

Modern Radio Servicing

By A. A. Ghirardi

3F5990-3F5990-YOUR PRICE.. \$4.00

The new revised edition of the outstandingly complete famous "Radio Servicing Course." A book you should have because it shows you how to master the art of radio servicing. Packed full of new ideas, the latest tips and angles the most up-to-date methods with the most up-to-date methods of diagrams and charts. This is one of the first radio textbooks to contain a complete explanation of the construction and the use of the new Cathode Hay Oscillographs in radio service work. Contains complete descriptions and illustrations of latest 1935 testing instruments and servicing methods. Table of intermediate frequencies for all superhets. Trouble-shooting table of Symptoms and Remedies for over 500 different receivers, listed by manufacturer and model number. 1935 auto radio installation and servicing. Complete data on noise and interference elimination. 1300 pages. 706 illustrations. Size 5½zz sinches. Hard covers.

Radio Field Service Data Book 3J5991-\$1.50 YOUR PRICE

240 Page supplement to above. Handy and invaluable for reference needed "0n-the-Job." Contains case histories for 550 different receivers. I.F. tabulation for 2,750 sets, auto-radio and much other data.

SPECIAL COMBINATION OFFER. Save money by buying Modern Radio Servicing and Field Service Book together at only k together at only \$5.00 3F5992

New Radio Engineering Handbook-By Keith Henney Handbook

Second Edition
3F5994—Postage Prepaid. \$490

YOUR PRICE.

A comprehensive, up to the minute, handbook for engineers covering all fields of radio engineering design. Contains 850 pages of constantly needed deta presented in table s. charts, equations, formulas and diagrams. 667 illustrations, Flexible Keratol cover, 4½"x7".

Actual Troubles In Commercial Radio Receivers

By Bertram M. Freed



NET PRICE \$1.00 This new book lists all standard Receivers alphabetically and discusses clearly the common and unusual failures each has most frequently developed over a period of several years; then it tells you how to renair them. The most practical book of its kind yet published for the Radio Serviceman because it explains those troubles actually encountered. Only those troubles actually encountered. Only those troubles with a Set Free to registered owners. 200 pages, 46 diagrams. Profusely illustrated, 500 models listed. Stift board covers, Size 7x4".

Radio Construction and Repairing By Moyer and Wostrel



3E5988-YOUR PRICE \$2.50

Radio Design Practice



Radio Design Practice

By James Millen

More than 200 pages of ideas for experimenters, engineers, and designers of radio and associated equipment. Radio companies of the highest rank have co-operators are Electric Company. West-operators are Electric Company. West-operators are Electric Company. West-operators are Electric Company. West-operators are Electric Company. Have the Electric Company. However, and the Electric Company. However, and the Electric Mig. Company, the Raytheon Company and National Company. Six sections of profusely illustrated text on (1) Assembly Practice, including relay racks and depressed panel racks; (2) Receiver Tuning Condensers, Padding Condensers. Frequency Meter Condensers and Transmitter Tuning and Neutralizing Condensers; Fixed Condensers. Mica, Paper and Electrolytic; Vernier Dials. Inductances, Coll Forms; R.F. Chokes, Shields, Sockets, Crystal Holders, Insulators, Fixed and Adjustable Resistors; Switches; Small Parts and Flittings; Plugs and Jacks; Meters; Transformers, Chokes; (3), Radio Receivers, including communication receiver, police radio receiver; broadcast receiver; short wave receiver; aircraft receiver; (4) Transmitters; (5) Speech Input Equipment; (6) Technical Manual on Radio Tubes.

Stiff paper cover. Pages size, 6¼x9¼.

3F5922—Postage Prepaid.

YOUR PRICE

Philco Service Manual

Published by Philco

3F5935-Your Price

\$<u>100</u>

Every Radio Man Needs This Manual!

This valuable
Manual publishhy Philoo.



This waturable Manual published by Philos gives you all necessary data to correctly service all Philos Sets. Contains complete wiring diagrams, pletorial diagrams, pl



RIDER'S Trouble-Shooters Manuals

VOLUME V

Covers 1934 and 1935 Models, Announced up to Nov., 1934

VOLUME IV

1933 up to and including February, 1934 3F5906—YOUR PRICE POSTPAID

VOLUME III

Covers Sets between June 1932 and

June 1933

and 11. Tourisms I Contains service data covering the Universal A.C.-D.C. Sets and Public Address systems. Stiff Fabrikoid covers, size 9x11½ Inches.

VOLUME II

Covers Sets from March 1931 to June 1932

VOLUME I

Covers Early Receivers between 1919 and April 1931. 3F5900—

YOUR PRICE POSTPAID

POSTPAID

This manual is complete in its treatment of older Receivers and should not be comfused with the new Volumes II, III and IIV which do not contain any of the material covered in Volume I. Contains circuit diagrams for practically all early models of factory-built Sets. 1000 pages of technical data, servicing hints and short cuts.

Contains Circuit Diagrams, complete circuit and servicing data on all Receivers manufactured after the issue of Volume I and prior to the publishing of Volume III. Includes a complete treatise on all values for point-to-point resistance measurement tests. 800 pages. Profusely illustrated. No duplication of material in Volume I. Size: 9x11% inches. In stiff Fabrikold covers.

Covers Standard Receivers

3J5907-YOUR PRICE POSTPAID





from June,

1060 pages—loose-leaf binding—with stiff Fabrikoid covers. Size: 9x11½ inches. Includes complete cu-mulative index for

mulative index for all previous Rider's Manuals. Over 100 manufacturers and trade names represented. Discusses and clarifies the company of t

plex new tubes. re-flexed circuits, AVC systems, S.W. and All-Wave sets, etc.

3F5902-

YOUR PRICE POSTPAID

Contains 1070 pages of fresh material and circuit diagrams which is not duplicated in previous issues. Point-to-Point resistance data. Has a cumulative index covering Volumes I and II.

index for ous Rider's



Mr. Rider's Salutation to

The Radolek Company Chicago, 111. Att'n: Mr. W. C. Braun.

I am particularly pleased to have your firm distribute publications bearing my name due to the splendid type of Servicemen your catalog

reaches, It is my earnest hope that your customers will be thoroughly satisfied with my publications and with the delivery you are in a posttion to give their or-

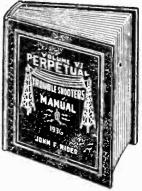
Assuring you of every effort to further this market, I am

Sincerely yours, (Signed)

J. F. Rider

VOLUME VI

Covers 1935 and 1936 Models Announced Up to November, 1935



315908-

YOUR PRICE

135

Up To The Minute!

Wp To The Minute!

More complete, bigger and better. 1250 pages. A separate 90-page complete index, covering Volumes I, II, III, IV. V. and VI. Contains all the Radio Servicing Data you need to check a radio repair job intelligently and quickly.

You Need This Manual

Volume VI completes the compilation of all Radio Servicing data on every type model Radio receiver announced since Volume V (late 1934—all 1935—early 1936 models). Also includes changes in older models. There is no duplication of contents between Vol. VI and any preceding volumes. Contains schematics, I.F. peaks, alignment data, circuit descriptions, socket layouts and parts lists. Accurate condenser, resistor, etc. specifications. Complete coverage. Includes Metal Tube Roceivers.

COMBINATION

VOLUMES

Volumes I, II, III 3J5903-YOUR PRICE \$2107

Volumes IV, V, VI 3J5904-YOUR PRICE

\$**22**05



Postpaid Anywhere in U.S. A.

Postpaid Anywhere in U.S. A.

Two combinations each containing 3 Rider's Manuals in one single convenient volume. A cumulative index of the contents of all 3 manuals. The most authentic and official source of service reference data available. Recommended by Weston, Hicock Supreme, Readrite and many leading radio receiver manufacturers. Handy to use. Printed on good quality paper, bosse-leaf bound in patented "Herculox" Mechanism Binder. Size: 10x11½x7 inches.

Radio Service Questions and Answers

By J. F, Rider 3J5913—

YOUR PRICE A compilation of selected radio asked and their answers. The questions answered have been submitted over a period of years

to Rider by thousands of service-men. You will find that this book contains solutions to most of your problems. 168 pages. Size: 5\(^14\)\(x7\)\(^14\)\(x7\)\(^14\)\(x7\)\(^14\)\(x7\)\(^14\)\(x7\)\(^14\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(^16\)\(x7\)\(x7\)\(^16\)\(x7\)



Servicing 🛢

Servicing Receivers by Means of Resistance Measurement



YOUR PRICE 95¢ Your Price

This book explains the usual resistance network which reduces all types of Sets and Amplifiers to a common level. Take the guesswork out of servicing by using an ohmmore in your diagnosis. This book tells you how. You can test all types of Sets without wiring diagrams. Tells how to get the circuit by working thru the socket contacts. Cloth-

Servicing Superhets

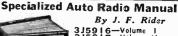
By John F. Rider

3F5905-

By J. F. Rider

YOUR PRICE 95¢

Latest revised and enlarged edition—up-to-the-minute. Covering Broadcast—S hoor t-Wave—All-Wave Superheterodyne and Automobile Servicing. Important information on electron coupled superhets. AVC systems, Dual I.F. bands. A comprehensive and easily understood explanation of the superheterodyne, which every serviceman should own. This book will help you master the most complex circuits, quickly and profitably. 288 pages, profusely illustrated. Cloth-bound. Hard covers. Size: 5%x7% inches.



3J5916—Volume I 3J5917—Volume II YOUR PRICE YOUR PRICE, EACH, POSTPAID

Volume I Most complete auto-radio service manual available. Covers all models up to Oct, '33. Complete data, diagrams, layouts, and specifications. Including installation, aesials, and noise suppression. 376 pages.

Volume II—Covers auto sets to April, 1933. No duplication of volume One, '416 pages, Size: Volume I Most complet

The Cathode Ray Tube At Work By J. F. Rider

3F5925-Your Price Postpaid \$2.45

DIDAR ETUA

MANUAL

Your Price Postpaid

Gives you complete theory underlying the operation of the cathode-ray tube and its associated circuits. Everything to which the cathode-ray tube can be applied to cheek electrical phenomena. Half of the volume is devoted to specific practical applications of commercial oscilloscopes to servicing and adjustment problems. Each and every instance of practical application is accompanied by specific information concerning the mode of utilization of the Cathode-Itay tube with graphic representation of results obtained.

Practical Testing Systems

By J. F. Rider

3F5912-YOUR PRICE 95¢

for you.

An old "stand-by", rewritten and modernized. 160 pages, giving you all the "ins and An old "stand-by", rewritten and modernized. 160 pages, giving you all the "ins and outs" of how to test component radio parts within a radio receiver. Such as colls, condensers, resistors, etc. Gives you complete, up-to-the-minute data and methods used for making these tests. This valuable book will enable you to test parts quicker and with greater accuracy—which means for you.





Page 146

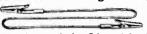
3F5901-

YOUR PRICE POSTPAID.....



new 6 inch test prods only ½" diameter. Extra strong, high insulation fibre handles. Spring prong ends provide a quick positive means of changing from one type of tip to another. Included are one pair each; alligator spring c l i p s; tapered spade lugs and the new needle point phone tip for piercing insulation. Pro d s also fit all standard phone tip jucks. Complete with one black and one red 5 foot flexible wire. able Tip Ends flexible wire. List Price, \$1.50.

Test Leads With Alligator Clips



Flexible wire test leads. Color coded red and black for positive and negative identification. Al-ligator Test Clips at each end provide quick positive method of making connections.

Allieston		C::-			
3D4412-36	inch,	Pair	 	 	44c
3D4411-24	inch,	Pair	 	 	38 c
3D4410-12			 	 	.32¢

Alligator Test Clips

New type. Long thin jaws. Strong spring will grasp the smallest terminal lug thin



or lead with a right, sure, positive contact. Barrel end will fit Banan. Type Spring Contact Plug-in prongs or can be securely soldered to test cable.

3F4407—Small size. 2" long. 2" with a definition of the contact Plug-in prongs or can be securely soldered to test cable. Barrel end will fit Banana

YOUR PR	Ten fo	СН г	3 :	% 2 c	wide.	4¢
3J4406 Your Pr	Large si ICE, EA	ze. 2% CH	" long.	%″ 5 c	wide.	5¢

insulated Alligator Clips



3F4421—Red 3F4422—Black 3F4423—Blue 3F4426—Purple FACH Ten for 70c

Long Test-Prod Handle With Sharp Point Phone Tip End

Hollow high di-electric insulated handle. 54." long overall, \$\frac{\pi}{2}\times\text{diameter. Sharp point phone tip terminal. Will pierce insulation, rust, bitch and paint. Fits standard phone tip jack. Completely solderless, merely unscrew phone tip and insert wire. Brilliant lusterous color coded handles. \$158875\$—Red \$158879\$—Yellow \$258876\$—Rlack \$258879\$—Yellow \$156877\$—Rlue \$258889\$—Purple\$

Ten for......\$1.20

Short Test-Prod Handle

With Phone Tip End Hollow high di-electric insulated handle. 1%" diameter. Phone tip end, fits any standard hone tip jack. Completely solder-less. Merely unscrew phone tip and insert wire. 3E8881-Red 3E8884-Green 3E8882-Black 3E8886-Purple 5C

Ten for 45c



48 c EACH 3E8887 3E8888 3E8889 -Red 3E8890-Green -Black 3E889!-Yellow -Blue 3E8892-Purple 6¢

Solderless Tip Plug

3E6368-Your Price, Each ..

Ten for 35c. Per hundred, \$3.25 Attached to cord or wire without soldering or use of tools. Positive connection. Fit above Jack or any standard til jack or jack assembly. Made of brass nickel finish.

Test Prod Kit

With Interchangable Plug-in Tips



3E4415-List Price, \$2.00. \$103 YOUR PRICE ...

A complete set of 14 pieces insulated test prods of

A complete set of 14 pieces insulated test prods of long, short and medium lengths with interchangeable plug-in type tips.

Irovides the serviceman with the most efficient tools available for making quick positive connections from his test equipment to the "job" under inspection. These handy prods will reach into the most confined, tight spots to save you time. The "missing link" between the set and your test instruments.

time. The "missing link" between the set and your test instruments.

Furnished with interchangeable tips consisting of a pair of insulated alligator elips with narrow tight gripping jaws; a pair of insulated needlepoint tips for piereing insulation, checking continuity and making positive contact on corroded terminals; a pair of insulated plugs with universal tapered lugs which fit sizes 4, 6, 8 and 10 screws. A pair of insulated jacks are supplied.

Handles of prods are made of high insulation material. Solderless screw connections safely insulated by sleeve caps which fit securely over set screws. Three pair of prod handles with prongends which may be instantly plugged into any of the interchangeable (ips. Handle lengths are 4 inch. 2% inches and 1% inches overall. All pairs color coded red and black for polarity identification. Colors will not fade. Use fertille cable 3E2080, etc., listed below, for connections.

Insulated Binding Posts

With Jack for Banana Type Plug-in Prongs Built-in Head

New style for Analyzers, Ohnsmeters, etc. Moulded, high dielectric, knurled grip, non-removable top. Standard receptacle for Banana type plug-in prongs built into stem. A transverse hole is provided under the screw top for wire and phone tip connections. Length 1%" overall with top is up. Extends %" overall with top is up. Extend

3E8857—Red 3E8858—Black 3E8859—Blue Ten for65 c

Standard Insulated Binding Posts With Color Coded Tops

With Color Coded Tops
Attractive colored, high di-electric, insulated top-diameter ½". Mounted on 10:32 screw 55" long. Metal washer ½" diam. ½" thick.
3E8863—Red 3E8866—Green { T 3E8865—Blue 3E8868—Prupple } TEN FOR 48¢

Small

Insulated Binding Posts With Color Coded Tops

Same as above but smaller. Top 78" diam., 6/32 screw %" long. Metal washer %" dlam.

3E8869—Red 3E8872—Green 3E8870—Black 3E8873—Yellow 42¢

Flexible Cable For Test Leads

Flexible Cable For lest Leaus
Flexible rubber covered stranded copper wire,
equivalent to size 16. Conductor is covered with
cotton serving over which is a live rubber covering \$\frac{\pi}{2}\$ thick. Over this is a lacquer saturated
tight cotton braid. Will withstand highest voltages encountered in radio test work. Available in
red and black covering for positive and negative.
\$\$1208 - Red \$\$12083 - Yellow\$\$3\$2009 - Blue \$\$12084 - Purple \$\$100 Ft. for......\$\$1:10\$

100 Ft. for. \$1.10

Insulated Connectors For Banana Type Plug-in Tips and Prods

Securely and speedily connect any Tips or Prods having Banana Type Plug-in Prongs. Lusterous colored high di-electric insulated body, 1½" long, %" diameter. EACH

3E8851—Red 3E8854—Green 3E8852—Black 3E8855—Yellow 3E8856—Purple Blue 3
Ten for78 c

10¢

Long Test-Prod Handle With Banana Type Spring Contact Fits Plug-in Jacks

Hollow high di-electric insulated handle. diameter, 4 Inches long overall. Solderless screw terminal for wire lead completely insulated by cap. Prong end provides quick positive means for plug-ging in any of the interchangeable terminals listed or into panel jacks. Brilliant lusterous color coded handles.

3E4417—Red 3E4435—Green 3E4418—Black 3E4436—Yellow 3E4437—Purple 7 Te5 for......\$1.35 \$1.35

15¢

Medium Test-Prod Handle With Banana Type

Spring Contact Fits Plug-in Jack

Fits Fitig-in Jack
Same construction as long test-pro
above. Length overall 2% inches.
3E4419—Red 3E4449—Green
3E4448—Black 3E4440—Yellow
3E4448—Blue 3E4441—Purple test-prod described EACH

Ten for **Prong End Adapters**

For Test Prods with Banana Style Prongs

Adapters with high di-electric insulated handles. Connect securely. They give your test apparatus that extra degree of adaptability that enables many additional tests to be speedly made with minimum amount of connection changes. Every shop and laboratory needs several sets. One each—Sharp Point, Test Lug, Phone Tip and Alligator Clip included in set. Net Per Set of 4

3E8845—Red 3E8848—Green 3E8846—Black 3E8849—Yellow 3E8850—Purple Ten Sets for \$1.75

Insulated Plug-in Tips

With Banana Type Spring Contact Prongs High di-electric insulated low handle %" long. So less screw connection. 78 long. Solder-connection.

Provides for connecting test wires into plug-in tip jacks. FACH

3E4427—Red 3E8826—Green 3E4428—Black 3E8827—Yellow 3E8825—Blue 3E8828—Purple Ten for48c 6¢

Standard Plug-in Insulated Jacks For Banana Type Spring

For Banana Type Spring Contact Prods and Tips Takes above three types, prods and tips. Provides a secure low resist-ance connection, quick make and break. Fits panels up to % tick. Shoulder washer included for metal



6¢

3E4429—Red 3E8830—Green 3E4430—Black 3E8831—Yellow 3E8829—Blue 3E8832—Purple Ten for 48c

Special Quality Plug-in Insulated Jacks Take Banana

Style Spring Contact Prods and Tips

Better design and construction ard Plug-in Jacks. Brilliant lu-di-electric insulated tops. In grade of laboratory apparatus. and construction than above Stand-acks. Brilliant lusterous moulded hi-sulated tops. Intended for better ratory apparatus. Fit panels up to thick.

For Bakelite or Wood Panels

FACH

3E8833 Red 3E8836—Yellow 3E8834—Blue 3E8837—Green 3E8838—Purple Ten for ...78c

For Metal Panels—Have Moulded Washers

3E8839—Red 3E8842—Yellow 3E8840—Black 3E8843—Green 3E8841—Blue 3E8844—Purple Ten for 88 10¢ .88 c

"Banana" Style Plug-in Spring Contact Prongs

Fit above two styles of jacks. Provide secure solid contacts. Easily attached to rods or sheet. Efficiently provides for plugging-in many styles of special apparatus.

314512—With unthreaded Shank, 1% overall. Ten for...... 30¢

314513 With threaded Shank and two nuts 1 %" overall. Ten for.....

35¢ Metal Jack

For Banana Type Plug-in Prongs

Made of brass nickel plated. Hold prongs securely. Provide sure contact. Fits 4" hole. Shank &" long. Lock nut and solder lug included. nut and solder lug included. 358





Polished Genuine Bakelite

304500 YOUR PRICE

Fine Quality Casein

Same size and construction as above. Material used is similar to bakelite. Very attractive brilliant colors. Not quite as strong nor as durable as Material bakelite. 3J4510-Assorted Colors.

YOUR PRICE

Majestic and Crosley Alignment Attachments



Overall length 2½". Has screw driver and offset socket for ½" hor. nuts. Extends tool 1½".

For Crosley Sets
3]4502—List, 20c. YOUR PRICE YOUR PRICE

Extends tool 1%". Has socket for 4" square nuts.

For Me 3J4507—List, 20c. Majestic Sets

YOUR PRICE Has socket for 1/4" her. nuts Extends tool 1%".

Five-in-One Neutralizer Compensator and "Tool Kit"



Combines in a fountain pen size compact tool that can be carried in your vest pocket, \(\frac{1}{2} \) and \(\frac{1}{2} \) and \(\frac{1}{2} \) wrenches, \(\frac{1}{2} \) and \(\frac{1}{2} \) and \(\frac{1}{2} \) in wrenches, \(\text{miniature blade screw driver for neutralizing and a full size insulated handle general purpose screw driver. \(\text{Made of fine quality extra strength fiber.} \) Fountain pen clip prevents loosing from pocket. \(\text{When closed, no sharp points are exposed to wear clothing.} \)

YOUR PRICE ..

Neutralizing and Compensating **Screw Driver**

"Alligator" Neutralizing Wrench and Screw Driver

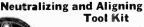
3C4505 YOUR PRICE 24¢

Alligator wrench with %" opening. Securely fastened to extra strong high insulation rod size 4"x44". Hardened steel screw driver blade.

Neutralizing Tool Set with Metal Nibs

314506-YOUR PRICE

Polished black bakelite handles. Two tools One consists of a %" diam. 6" long tube on each end of which are heavy brass nickel plated socket wrenches for A and ¼ inch hex nuts. The other tool fits inside the first tool and consists of a 5" solid rod, one end of which has a strong screw driver blade, the other end is of special magnetic steel. Fits Majestic Model 70 and many others.





\$2.35 PRICE

Every serviceman needs these balancing in-struments. This complete outfit provides every took that you will ever need to neutralize, balance or re-align the variable condenser or IFT sec-

or re-align the variable condenser or 1FT sections of any revelver.

Seven pieces, providing 12 distinct tools, ingeniously de-igned to telescope into each other, forming four separate tools when assembled. Attractive vert pocket carrying case included to conveniently held all tools. Bodies are extra strong and made of fine quality hard rubber, fiber and bakelite. Polished nickel brass fittings.

Separate Tools Provide

Alligator side wrench. 6° Insulated Screw Driver with metal mb. Metal A° nut wrench. Metal A° nut wrench. A° nut insulated wrench. A° hex. metal side wrench. $2^{\circ}/2^{\circ}$ insulated screw driver with metal inb. A° hex. slotted insulated wrench. Metal screw driver. A° hex. Insulated nut wrench. A° insulated screw driver with metal inb. A° insulated screw driver.



Neon Tattelite Tester

Non-Breakable Neon Lamp

3F2436-List Price, \$1.00, YOUR PRICE

Indicates: live lines, open circuits, radio frequency and static electricity. Tests for: defective fuses, condensers, insulation, resistors, and spark plug. For all sontinuity tests in Radio Sets and laboratory ap-paratus. A 100,000 ohm protective resistor is hiseries with the neon lamp which glows is its series with the neon lamp which glows on only .0005 ampere current. Operates on 90 to 550 volt circuits. On A.C. both electrides glow; on D.C. only the negative side glows. Two heavy insulated 5" leads fitted with pin tips. Entire as embly is unbreakable and convenient to carry in tool kit or pocket.

Flexible Shaft Socket Wrench



YOUR PRICE \$1.18 This socket wrench is particularly adaptable for adjusting and aligning trimmers on RCA Victor Receivers, Madel R-32, R-35, etc. Flexible oval shaped socket end provided is a very necessary feature in adjusting these sets. Mouldel rubberold, sure grip handle. Case hardened, cadmium plated steel shaft and socket.

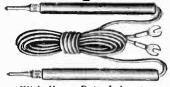
Tuning Wand

0

314520 List, \$1.25. YOUR PRICE

Consists of a bakelite rod with brass cylinder at one end and special iron core at other end. In-serting brass, end in coil lowers inductance, fron end increases inductance. Indicates proper coil adjustment without changing trimmers. A neces-sity in adjusting all-wave receivers.

Testing Leads



With Heavy-Duty Laboratory Sharp Point Ends 3J4540-Spade Ends.

YOUR PRICE PER PAIR Polished, lustrous high di-lectric handles 6½" long (over-all) \(\tilde{n}'' \) diameter. One red, one black for polarity indication, 60" long flexible heavy duty rubber covered cables in colors to match prods. Point screws into prod handle and projects 1". All connections are properly soldered, providing low resistance connections necessary for making precision measurements.

With Phone Tip Prods



3E4526 3E4527— Tip Ends. Per Pair. 3E4524-Alligator Spring Ends Clip Pair.... 35¢

Polished lustrous high di-electric handles, 4" long (overall) %" diameter. One red, one black for polarity indicating. 50" long flexible cables in polarity to match.

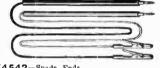
With Renewable Sharp Point Phono Needle Prods ON 18

Phor 3E4528—Spade Ends. 3E4533—Tip Ends. 3E4523-Alligator Spring Clip Ends.

Per 36¢

Polished Justrous high di-electric handles, 4" long (overall) %" diam. One rod, one black for polarity indicating, 50" long flexible cables in color to match. Chucks hold needles which are easily renewable. Needle points enable accurate readings through insulation, and painted or rusty surfaces.

With Slender Pencil Type Sharp Point Prods



3E4542—Spade Ends. 3E4543—Tip Ends. PER PAIR 3E4544-Alligator Spring Clip Ends. PER PAIR

Long, thin polished lustrous high di-electric handles 7" long (overall): one red one black Long, thin poissed justrous high di-electric handles 7" long (overall); one red, one black for polarity indicating. 60" long flexible cables in colors to match. Best suited Prods for ohimmeter and exploring service. Reaches otherwise inaccessible points as between voice coils and speaker frame, sub-assemblies, etc.

No Metal Neutralizing Tools Neutralizing Wrench

0 Made of strong durable bone fibre. Essential proper alignment of High Fidelity receivers. Essential for metal parts.
3F4515-51/2 inches long. 11¢ YOUR PRICE 3J4518-8 inches long. YOUR PRICE

Combination Neutralizing Wrench and Screw Driver

No metal parts. Screw driver slides into one end of handle. Other end is hexagon broached to balance hex top trimmers. Absolutely essential where it is necessary to neutralize by turning both screw and nut. Made of strong, hard rolled

Adjustable from 7 to 10 inches. 34¢ YOUR PRICE 3]45[9—Adjustable from 11 to 17 inches PRICE

3F4517—Screw driver only. Beveled ends. 7 inches long.
YOUR PRICE Beveled at both ESTATE LANGER

Solder Quicker, Better, at less coet.

For 106-120 voit A.C. or D.C.

Give quick heat and long satisfactory sarvice.
Quality and life are guaranteed. Any element
that prives defective when stonerly used will be
made good. Under the approved unhance cords.
Noat derable element holders. Coet, guarques size
handles. Renewable tips and heating elements.



Hight Radio Repairing and Home YOUR PRICE

100 Watte SE4486— Bedio and Electric work. Length overall 12%". \$1.78

150 Watts For heavier Radio Electric and Garage work Length overall 13%".

Repair Parts for Solder-Master Irons Heating Elements Stock | Price Number | Each For Iron Stock Price Number Each 55 Watts 174491 100 Watts 374492 150 Watts 374493 \$0.35 153 1,58

ICA SPECIAL QUALITY **Electric Soldering Iron** Popular Serviceman's Sizes



10° 1114° 1314° \$8.50 \$2.06 4.00 2.35 5.00 2.94 3F4772 A large Badio manufacturing company formerly experienced much trouble with their electric soldering irons. So they put their highly their electric

experienced much trouble with their electric soldering irons. So they put their highly trained Engineering Department on the job of building a long lasting trouble free solder iron. Here it is! One of the finest ever made! And what a value! Bound to give long satisfactory service. (Abselve Guarantse es Heating Element fer a Full Year of Use!) Heats quickly, bolds heat a long time. %" solid copper alloy tip. Fine quality 6 food beater cord Unbrastable rubber attaching plus. Polished nickel barrel. Black rubberoid handle. First quality in every point! For 105-120 volt current A.C. or D.C. Repair Parts for Special Soldering Iron

Heating Elements Extrac Tips Stock Price Number Each For Iron Size Stock Price Number Each 60 Watts 3F4797 85 Watts 3F4798 115 Watts 3F4799 \$F4797 1.65

"ESICO" Constant Duty Industrial Soldering Irons



Used in the United States Navy and practically all the large radio and electrical factories throughout the country. Beautiful craftsman's tools. Perfect fitting hard drawn tinned copper tips, replaceable. One year guarantee. Grade A nickel chrome resistance wire wound on lava insulators encased in blue steel one-piece case. Long life. Quick beat. Maintains a constant even temperature. 6 foot heavy duty cord with anti-kink rubber cable shield. Handle never gets hot. For use of 105-125 voit current.

Stock Number	Watta	Tip Diam.	Length Overall	List	Yeur Price
8F4785 3F4786 3F4787 3F4788	65 100 200 310	X :	10 % 12 % 14 % 14 % 14 % 14 % 14 % 14 % 14	\$5.00 5.50 8.75 10.25	\$2.84 3.24 \$.15 6.83

loring fro



3F4780—Esico Nick Nack. 55 watts. & tip. Leagth 11%". YOUR PRICE 3F4789—Esico Midget. 65 watts. Length 114". YOUR PRICE ..

3F4790—Esleo Junior. Length 124". YOUR PRICE .. 3F4791—Esice Trophy. 150 watth. YOUR PRICE

Repair Parts for Esico Electric Soldering Irons

EAUR	1198	The latest	Describe F	o mours
Stock Number	Price Each	For Iron	Stock Number	Price Each
3 F4848 3 F4844 3 F4847 3 F4844	1422	Nick Nack Midget Junior Trophy	뛢	\$0.33 .83 .90 1.61

Special Tips For "Esico" Midget and Junior Irons

%" Dia. Curved. Fits sither Midget or Junior. 3F4853— Year Price %" Dia Fits either Midget or Junior. 3F4854 20¢ 20¢

Leader Electric Soldering Iron

Well made. Very durable. 59 watt size. Guaranteed for 1000 hours; will last longer with proper use. Two solid copper Thes, one for very fine work, the other ½" diameter fee larger work. 5½ foot heater cord with spring protection at handle.

Soldering Iron Holde and Stand 3E4778

YOUR PRICE. 73¢ A practical stand on which to rest your hot from while on a service call. A protection for you and your customer and when the job is finished, no need to hang around waiting for iron to cool. Just stick bot iron into the holder, drop the outfit in your carrying case and go on your way. Saves, time and time means money. Efficiently insulated. Takes all Servicemen's size irons. 5%" long.

imption Alcohol

3F4800- ...\$2.20 The finest quality torch, Produces a powerful 2200 degree blast. Double burner-one for needle point flame—add the attachment for a heavy intense flame. Cleaning pin attached to siways cool handle. Made of extra heavy gauge brass. Cast bronze base, time. Size 7x4%x2 inches, Burns se filling.

Will hast a lifetime. Siz

Gasoline Blotorch 304803 YOUR PRICE

Uses gasoline. Entirely sutomatic.
Quick priming. Perfect Bunsen flame
over 2000 degrees. No pumpfing, no
blowing. Burns two hours on one filling. Generates its own pressure. For
jobs requiring a melting, fusing,
brasing heat. Very durable. A wonderful value. Size 24,274 inches.
Nickel plated brass tent.

Kester Bes D Corn &

Bequires no first—se resin has been moulded into the core of solder wire. Best for fine radio connections and electrical work. Makes strong, low—segistance

SE4765—Per can. (1 to 4 ounces). List, 25c. 15¢ 3E4766-1 1b. Coll 56¢

3E4767-51b.Coll.\$2.65 **Kester Acid Core Solder**

3F4761—Per can (8 to 4 cuncsa).
YOUR PRICE 3F4762-1 16. Coil. YOUR PRICE 56c

Kester Aluminum Solde Flux Filled

Virgin metals properly alloyed. Hellow wire form with flux selled within solder. Provides the fastest and most satisfactory method of soldering simmum in any form. In can its in-cluded cleaning materials and Instructions



3E4763—Per can, List Price, 25e. YOUR PRICE, East. Ten for......\$1.50

Wire Solden :: 1: 3E4768-1-16. 594

A composition of tin and lead in proportions satisfactory for all Radio and Electrical soldering. Diameter about 1/2 inch.

Solder Paste

304770-3 OE UNIVERSE Ten for 85c

A non-corrosive soldering flux. Makes a mechanical and perfect electrical connection.

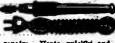
Sal-Ammoniac Cake Ton Tine cleans and brightens solvering copper, causing core for flow southly. Inthe control of the con

Quality Rosin Core Solder

3F4759—8 oz. can. 12¢

VOUR Ib. house \$F4769—5 lb. speel. YOUR PRICE PRICE ..

Electric Soldering Pencil



A small handy soldering refricts

A small handy soldering tool for quick light work. For use by radio.

Service me tool to require the soldering tool for provided to the service of the soldering and is easy to handle. Black insulated handle, cork grip and finger guard.

Side to the subber siteching plus.

Side to the soldering to the soldering

gecial 100 Watt Iron

Genuine Mathias Klein Pliers

The World's Standard of Quality

Klein pliers are made of the best fine tool steel. considering the quality and long life of Klein products, the values offered are exceptionally good.



Cuts close. irrow head itting use in g use in confined places. Knives perfectly so that they meet accurately at all points.

314750 314751

5 inch 6 inch.

Each ... \$1.80 Each\$2,00

.....\$2.10

Klein's Long Nose

Side Cutting Plier Klein Cat. No. 203

6 inch.

Fine cutting assured. Knives carefully fitted. Body of the plier is hardened and tempered. Point inch round. Each \$1.90 5 inch. 314754

Each

Diagonal Jaw Nippers

314755

304565 Your Your Price.... 39¢



For fine electrical and radio work. Made of hardened tool steel. Cuts wire clean in tight places. Size 5½ inches.

Long Nose Pliers

304566

Price.... 39¢

The handiest pliers for radio work. A fine quality tool made of tine hardened tool steel.

End Cutting Nippers



Cuts wire and small screws in to in tight ight places. Guaranteed.

Special Thin Nose Pliers

3D4667 YOUR PRICE



Handy radio pliers with long thin jaws for reaching into narrow places. Stub nose will hold nuts firmly. Overall length 6½". Drop forged

Close Cut Hack Saw

Six for 61 c 3C4655 Extra blades.



3C4740-List, \$100. YOUR PRICE 49¢

American made. Finest quality. A real bargain Strong, adjustable to take 8, 10 or 12 inch blades. Moulded handle. One 10" blade included.

Hack Saw Blades



Best American Made Your Price45c Your Price59c Your Price72c - 8-in. Dozen. —10-in. —12-in. 304557 304558

Circle Cutters Adjustable from 1" to 4"

3J4673-YOUR PRICE \$1.90

For cutting socket holes, meter holes, ctc., in wood, bake-lite, hard rubber, linoleum,

lite, hard rubber, linoleum, brass, tin, sheet metal, etc.
Does first class job and makes clean cut. Drills pilot hole, cuts out material and puts bead or seroll around hole all in one operation. Made of best materials. Best high speed steel cutting bits for use in breast drill, hand brace or drill press.

3J4671-%" Round Shank. YOUR PRICE

3J4672 Extra cutter for either of above 24c

Junior Model

Adjustable from %" to 21/3". Will cut hard rubber, bakelite, fibre and wood. Similar to above model in construction. Supplied with round shank only. For light work only. 314676—78" Round Shank. 78¢

TUBE PULLER

For All-Metal Tubes

HIGHEST QUALITY
Alloy Steel Twist Drills

values.

Hardwood Box. Sizes A. 22, 18, 52, 18, 52

YOUR PRICE 81¢

YOUR PRICE \$1.27

3E4560-

Three taps and three drills, one each for \(\frac{4}{36}, \frac{8}{32} \) and \(\frac{8}{32} \) wrench to hold taps and drills. This is ost practical set for Radio Servicemen.

Tap Wrench with Drills and Taps

Per Set \$1.15

1/2"

Radio Wrench Set

ODD SIZES

.15¢

314578-List Price, 15c. YOUR PRICE 9¢

YOUR PRICE
Firs securely under slots already provided in the octal bases of all-metal
tubes. Permits pulling out "hard to
get at" or "hot" metal tubes. Especially useful in servicing small compact receivers with tubes located in
inaccessible places. Made of steel.
Tubes ean be pulled out with puller
at practically any angle.

American Made

Made of alloy steel consisting in part of tungsten which makes these drills far superior to ordinary carbon drills. Straight shanks. Particularly Intended for electric drills. Perfectly pointed, precision ground. Extra strong web prevents splitting of drill. Correctly tempered to insure long life. Quality considered, our prices represent extra-ordinary values.

ROUND

Radio Servicemen's Tool Boxes

All are of heavy gauge cold rolled steel, baked-on enamel green finish. Brass plated eatches and lock with one key. I ancled sides, ends, top and bottom for rigidity and strength.



4E10901-YOUR PRICE 76¢

size for Very Handy size for Servicemen. Very strong and light. 14" long, 6½" deep, 6" wide. Removable loose tray with adjustable partisians.

Cantilever Tray **Tool Box** Tray Raises as Lid Is Opened

4E10902-ÝOUR PRICE

89¢ 4F10903-

5" Shank

3J4674—Same as above but without beading Cutter.

PRICE \$1.10

Heavy Duty

For cutting the heaviest of materials. Will cut to cold rolled steel, to aluminum. Dashboards of cars, etc. Adjustable from 1" to 514."

3J4670 — Square Shank. \$1.88

Shank. \$1.88

\$1.88

Size 6x61/2x18" YOUR YOUR ... \$1.28

Tray is so fastened that as cover is raised tray is automatically lifted, permitting easy access to bottom compartment. Box has gold rule of full size scale on cover.



Servicemen's Vises

Portable Model

YOUR PRICE 73¢ 3F4580-

Sturdily built, accurately fitted. Machine cut steel screw. Polished jaws 1 % wide. Red japan body. Convenient to carry in tool box. Shpg. wt., 2 lbs.



Journeyman's Swivel Bench Model 3E4575



PRICE \$2.48 Replaceable

4 in 1

Screw

Driver

Replaces ble hardened steel is a w faces, knurled surrolled steel bar, serew and handles. Pipe daws hold pipe % to 1%". Jaws open 3% width 3". Swivel base with improved lock, holds fast at any angle. Rugged anvil. The finest vise on the market for Radio and electrical work.

314745 YOUR PRICE, Per Set 39¢

Four screw drivers. Smaller ones nest inside large one. Largest driver 6½" long, 2" hardened steel blade. Pits all radio screws.

Magic Electric Pencil

YOUR PRICE

Copyright 1936 by W. C. Braun

Engraves and Embosses

Engraves and Embosses

An electrically heated scriber about the size of a fountain pen. Writes electrically, like embossing, in beautiful colors—copper, gold, silver, green, blue, purple, on any material—silk, paper, metal, cloth, leather, wood, frosted glassware, celluloid, bakellte, etc. Reproductions can be made of drawings, designs, special lettering, nameplates, monograms, initials, emblems, etc. Very useful to Radio Servicemen for marking test panels, Radio Sets, tools, books, advertising materials, tube bases, etc. Enough embossing paper supplied to emboss hundreds of words. A wonderful tool. Will make a profit for you of many times its cost every month. Works on 100-120 volt A.C. or D.C. Heats quickly. Maintains even temperature. 8 feet cord, with attaching plug included. 79¢

304653

YOUR PRICE

Serviceman's Spintite Kit



Socket Wrenches Reamer and Screw Drivers

304681 YOUR

An extra fine quality compact outfit that provides a complete set of socket wrenches and screw drivers, also a useful

Genuine Spintite **Hollow Stem Socket Wrenches**



Herngon Nuts Extra fine quality es. Built to

wrenches. Built wrenches. Built to
please the most exneting craftsman. wost
handle fits the hand. Stem is bollow
to permit the removal of nuts on
long projecting screws. Hardened
tool steel. Sultable for continuous factory production work. Size given is width of hexagon nut in
incices. Sold singly or as a set.

Stock
Price\ 3646691

304691 Complete set Seven Wrenches Price

Special Socket Wrench Set



-Handle and five so kets. YOUR PRICE

59¢ A specially selected set of five detachable sockets, together with a special tight-grip handle in which is set a sturdy steel shaft firmly held with long steel ferrule. Fine quality steel sockets with very thin but strong walls. Sizes: 1/4, 1/6, 1/6, 1/6 and 1/4 inch for hexagonal nuts. Hollow stems take screws projecting not over 3/6 inch.

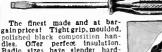
Socket Wrench and **Screw Driver Set**



314651-List Price, 75e.

.... 38¢

Super Grip Screw Drivers Insulated Handles-Insulated Blades



The finest made and at bargain prices! Tight grip, moulded, polished black composition handles. Offer perfect insulation. Radio sizes have stender hardened steel blaies, diameter Ainch. Reach the difficult spots. Blades can never get loose or turn in handle. Very strong and rugged. Every serviceman and have a complete set. Blade A' diameter.

d. Every set.
a complete set.
Rlade Price Price Each 15c 17c 20c 24c Length 312" 412" 512" Number 3C4725 3C4726 3C4727 3C4728 3C4729

3E4731—Set of 6

YOUR PRICE \$123

Hollow Stem Hex-Nut Wrenches

High quality tools. Have deep hollow in socket to take any ordinary projection of screw above nut. Fine tool steel shanks. Sockets of specially hardened tool steel. Shank and socket endinum plated. Finely finished grooved wood handles, provide sure crip. Shanks securely set in handles to prevent turning. Every Radio Serviceman needs a complete set of all three styles. Our quotations represent big values.



With	Straight Sha	nks, 9" Overall
Stock	For Hex.	YOUR PRICE EACH
Num.	Nuts	104
3E4713	r₃ In.	12¢
3E4720	½ In.	
3E4721	∱a ln.	3E4724—Set of 6
3E4722	% In.	Wrenches Complete
3E4723	₹ In.	626
354714	1/2 In	025



With 90° Offset Shanks, 7" Overall Easily and quickly handle nuts in positions not accessible with straight shank wrenches. Except for 90° bend in shank construction 1s exactly

Stock Num.	For Hex.	YOUR PRIC	E EACH
3E4732 3E4733 3E4734	rs In. 1/4 In. S. In.	12 -зе4738	r
3E4735 3E4736	% In.	Set of six	wrenches
3E4737	1 ₂ In.	PRICE	62c

Hollow Handle Radio Wrench Set

YOUR PRICE45¢

The handiest tool in the serviceman's kit. Hollow handle holds screwdriver socket and 5 wrench sockets: size \%". \%", \%", \%" and \%" all of which are included in set. Ideal for radio and general repair use. Handle and shank are 7\% inches long. Handle is heavily knurled, providing good gripping surface. Finished in white nickel.

Burgess Flashlight Screw Driver



Puts the Light Directly on the Screw

Puts the Light Directly on the Screw A combination flashlight and screw driver. Handle screws in dark places quickly and efficiently. Enables use of both hands. Large secure grip safety insulated handle. Fine tool steel blade handles all radio screws. Switch turns light off and on. Bulb included. Very Special Value!

304747—Screw Driver, Less Batterles.

Uni-Cell Batteries (2 Required) Two for..... 12c 3F87-No 1.

SERVICEMAN'S Vest Pocket Screw Driver

Always ready! Clips into vest pocket like fountain pen. Same diameter as pen but only 31½" long closed. 5½" long closed. 5½", shaft of strong tempered steel. Blade positively will not turn loose. This tool, though very small, meets almost every possible radio requirement. Schockproef—5,000 volt insulation. Most convenient. Cannot cut hole in pocket. Adjustable clip. 3D4746—10018 pRICF Forb. OPEN



Real quality tools to handle tiny screws in recesses. Tight grip, moulded polished black composition handles offer perfect insulation. ½-inch daimeter hardened steel blades, small enough and strong enough for any radio set screw. Blade lengths 1½, 2½, and 3¼ inches. Blades will never loosen or turn in handles.

DeLuxe Super-Grip Radio Screw Driver Set Transparent High Insulation Handles

Super quality, classy appearance. 5,000 volt test, unbreakable lusterous transparent non-inflammable handles. Molded to blade; will never loosen. Blades of fine hardened tool steel. Will handle tightest screws without bending or chipping. Blades are rust-proofed and highly polished. Vest pocket clip prevents losing. An extra-quality American made tool for the Professional Radio Serviceman. Blades 46" diameter; 142", 24" and 34" long. Handles perfectly all types of machine screws, dia screws, small wood screws, etc. 3E4744—fer Set of Three. YOUR PRICE

Maple Handle Screw Drivers



Substantially made to stand the gaff yet low in price. Handles are of white hardwood in natural varnish finish, fluted for sure grip. Blades of hardened and polished tool steel. Will not turn in handles. Extra heavy steel ferrules. Four Drivers with 6, 5, 4, and 3 lnch blades. A set of these drivers will handle practically every machine and wood screw, except very smallest ones, used in Radio Service Work.





Four finger-like prongs hold nuts, screws, lock washers, etc. in vise-like grip. Works in places impossible to reach with fingers or ordinary tools. Nickel plated tempered steel blade. Moulded bakelite handle. This is one of the most satisfactory tools of this type that we have seen. 3C4635- 8 inch. 3C4636-10 inch. Each95c

GENUINE RCH HOME RADIO REPLACEMENT PARTS

Radiola, General Electric, Westinghouse and Graybar Receivers for R.C.A. Victor,

For Corresponding Models of G. E., Westinghouse and Graybar See Cross Index on Page 72

R. C. A. Model	Auc Transfe	_	Out Transfe		Spea Coi		Volu Cont		Tor Cont		Pow Transfo		Filter Pack or Capacitor		
Receiver Number	R. C. A. Number	Your Price	R. C. A. Number	Your Prico	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	R. C. A. Number	Your Price	
R10	R7343	\$2.10	*	\$0.72	R8601	\$0.90	R3092	\$0.75	R3234	\$0.90	R7344	\$4.14	R7342	\$4.05	
R11	R7271	1.31	R7258	.72	R8601	.90	R3092	.75	R3093	.81	R7272	4.80	R7269	3.24	
R12	R7343	2.10	R7258	.72	R8601	.90	R3092	.75	R3234	.90	R7344	4.14	R7342	4.05	
R32, RE45 R52, RE75	} _{R10414}	} 2.81	}R10418	} 6.00	}R10801	} 1.20	} _{R10450}	} 1.23	}R10408	} .75	}R10415	} 6.89	}R10417	} 2.10	
R48	*		R7104	1.50	R8601	.90	R7129	1.38			R8609	5.95	R8608	4.80	
R50, R55	R8711	2.55	*		R8558	1.20	R3142	.75	R3143	.72	R8710	5.71	R8751	2.76	
Rad 80, 82, 86	R8554	4.72	*		R8558	1.20	R7061	.72	R7074	.75	R8556	5.71	R8553	5.18	
118			R4505	.93	R9492	-45	R4429	.84	R4426	.21	R9511	2.87	R7790	.63	
121			R6476	.86	R9428	.60	R6695	.72	R6705	.72	R9446	3.24	R6571	.22	
122			R6476	.86	R9428	.60	R6695	.72	R6705	.72	R9446	3.24	R6571	.22	
128			R4818	1.29	R9533	2.10	R4519	.75	R4517	.54	R9511	2.87	R7790	.63	
143	R4620	1.79	R9535	4.59	R9533	2.10	R4519	.75	R4616	.77	R9505	3.81	R7790	.63	
242	R4620	1.79	R4599	.80	R8969	.76	R4519	.75	R4616	.77	R9505	3.81	R7790	.63	
262	R7841	2.43	R7834	2.43	R8969	.76	R4832	.75	R4829	.60	R9505	3.81	R7790	.63	
281	R7785	1.44	R4506	1.71	R7000	1.13	R7798	1.23	R4829	.60	R9505	3.81	R7790	.63	
320			R6476	.86	R9428	.60	R6695	.72	R6705	.72	R9446	3.24	R6571	.72	
321			R6770	1.20	R8969	.76	R6695	.72	R6705	.72	R9446	3.24	R6571	.72	

*Combined with Audio or with Output Transformer.

Note: "R" before above part numbers is used so as not to confuse the R. C. A. repair part numbers with Radolek stock numbers, Place the letter "R" before the R. C. A. number when ordering.

RCA 3 Point Service System



How to Get the RCA 3-Point

How to Get the RCA 3-Point
Service System for Only \$1.50

(1) Place an order for RCA repair parts (tubes and testing equipment not included) and specify on your order an RCA 3-Point System Purchase Record Card. This record card is used for recording your purchases. (2) When your purchases of RCA repair parts including your original purchases total \$5 we will ship at your request the entire System for \$3 along with 200 Service Tip Cards. (3) Thereafter we will ship at your request the entire for your file for every \$10 worth of additional purchases. (4) When your purchases total \$60, as shown on your card we will return to you \$1.50 (one-half of the purchase price). Thus you will have the whole system including 300 Service Tips for only \$1.50. (5) You may continue right on earning packets of tips for each \$10 of purchases. No duplication of Tips. Only purchases of genuine RCA parts apply on this deal.

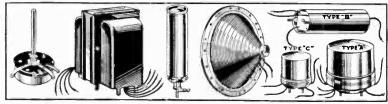
Here is What You Get

.....\$8.75 TOTAL When ordering this service system specify:—
RJ992—And Remit the Deposit

You will receive \$1.50 credit on this deposit price when earned as specified above.

...\$3.00

Popular Genuine RCA Replacement Parts



RCA Speaker Cones

R8601—For Models R7, R7A, R9DC, R8, R9, R10DC, RE18A, RE19, R21, R023, RAE26, R43, List Price, \$4.50. YOUR PRICE90c R8558—For Models RE20, R35, R39, RE57, RE73, Rad46, RAE59, Rad60, 62, 64, 66, 67, RAE68, RAE79. List Price, \$2.00. YOUR PRICE\$1.20 R8974—For Models R22S, R22W, R28, R28P, RE50, 100, 101, 110, 111, 114, 115, M116, 300, 301, List Price, \$1.00. YOUR PRICE 60C R9428-Models 112, 120, 124, 126B, 142B, 241B, 310. List Price, \$1.00. YOUR PRICE60C R9023—For Models M34, M105, List Price, \$1.00. YOUR PRICE 60 c

RCA Power Transformers

R8985—For Models R28, R28P, RE40, 110, 111, 115, 210, 310. List Price, \$4.26, YOUR PRICE\$2.56 ### Frice, 3-69. 100 Frice ### 125, 128, ACR136, 211, 224, 225, 226, 322
List Price, \$4.78. YOUR PRICE\$2.87
R9042—For Models 140, 141, 240, 340, List Price, \$6.84. YOUR PRICE\$4.10 R9505—For Models 143, 241B, 263, 341, 381, List Price, \$6.35. YOUR PRICE\$3.81

RCA Filter Blocks and Capacitors R2947—For Models R5, R7, R9, RE16, R43. List Price, \$1.75. YOUR PRICE\$1.05 R6571—For Models 140, 141, 240, 280, 340, 380. List Price, \$1.20. YOUR PRICE72c

RCA I. F. Transformers

R7266—1st I.F. For Models R-II, R-21, RE-I8, RAE-26. Peaked at 175 Kc. For sets using 224 and 235 Scr. grid tubes. Tuned primary and secondary. List Price, \$2.20—Type A. \$1.32

R7267—2nd. 1.F. For Models R.II, R.21, RE-18, RAE-26. Peaked at 175 Kc. Copper shield between colls. Especially designed to work with RCA R3092 volume control to give sharp tuning on weak distant stations and broad tuning on powerful locals. Excellent for volume control conversion of old sets with antenna to ground rheostat or cathode type controls. List Price, \$2.00—Type A. YOUR PRICE

For Models Rad. 80, Rad. 82, Rad. 86, RAE.86. Peaked at 175 Kc. Sharply tuned primary and secondary. Bullt-in broadening resistors and external leads to permit band width change. For servicemen interested in variable band IFs, now so popular with the advent of High Fidelity. R8565—2nd. 1.F. R8566—3rd. 1.F. List Price, \$2.10—Type A. YOUR PRICE. \$1.26

R6483—1st., J.F. For Models R-37, R-38, 120. Peaked at 175 Kc. Small and compact. For high gain, good selectivity between high gain RF tubes. List Price, \$1.84—Type C. YOUR PRICE...\$1.10

R6484—2nd., I.F. For Models R-37, R-38, 120. Peaked at 175 Kc. Close coupled with sharply tuned primary and untuned secondary. Converts old type receivers for dlode detection and AVC. List Price, \$1.70-Type C. YOUR PRICE \$1.02

R6890—1st., I.F. For Globe Trotter 140 Series. Peaked at 460 Kc. Designed for Magic Brain sets. Excellent for old style 460 Kc. receivers giving trouble because of broad tuning and low gain. Sharply tuned primary and secondary. Designed to work between high gain R.F. tubes. List Price, \$2.40—Type B. YOUR PRICE...\$1,44

R6891—2nd., I.F. For Globe Trotter 140 Series. Peaked at 460 Kc. Drives Diode detector or Diode AVC tubes. Tuned primary and secondary. List Price, \$2.40—Type B. Your Price. \$1.44

RCA Volume Controls

Price of

Page 13

Philco Replacement Parts For Custom Built Philco Auto Radios

Used In Ford, Packard, Nash, Plymouth, Studebaker, Pierce Arrow, Dodge, De Soto, Chrysler and Hupmobile

hilco e- eiver	Control		ol	Tone		Filter Choke		Control Shafts Tuning Volume			Filter Con- denser		Power Trans- former		R. F. Trans- former		I. F. Trans- former		Osc. Trans- former		Dial Assembly		Pilot Lamp		
lodel	Car & Year	Philco Number	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	You Pric
A	Packard 1934	7525	1.06	05366	0.44			28-8100	0.39	28-8103	0.39	06088	0.88			32-119 7 32-1198	0.44	[06932 [05970	0.50	06916	0.56	8255	0.18	6608	0.0
В	Packard 1934	7525	1.06	RAOOL	EK	32-7118	1.18	28-8100	.39	28-8103	.39	04354	.76	32-7110	1.59	\$\frac{32-1197}{32-1198}\$.44	(06932 (05970	.50	06916	.56	8255	.18	6608	.00
C		38-5280 38-5280	1.00			32-7038 32-7038		28-8181 28-8169		28-8182 28-8170		30-2015 30-2015		32-7098 32-7098	1.41	{32-1220 32-1221	.29	32-1236 32-1237	.82 .82	32-1222 32-1222	.26	27-5034	.15	6608 6608	.0
- 12 2	Stude. 1934	38-5935	1.00	30-4056	.44	32-7104	.68	28-8169	.76	28-8170	.76	30-2015	1.18	32-7098	1.41	{32-1220 32-1221	.29	32-1236 32-1237	.82 .82	32-1222	.26	27-5027	.18	34-2039	.0
D	Nash 1934 Stude, 1934 Chrysler 1933	38-5280	1.00	30-4056	.44	32-7038		28-8181 28-8169 28-8139	.76	28-8182 28-8170 28-8141	.76	30-2015 30-2015 30-2015	1.18 1.18 1.18	32-7131	1.47	{32-1220 32-1221	.29	{32-1236 32-1237	.82	32-1222	.26	27-5034 27-5027 27-5022		6608 6608	.0 0. 0.
122	Nash 1934	38-5935	1.00	30-4056	.44	32-7104	.68	28-8181	.65	28-8182	.74	30-2015	1.18	32-7131	1.47	{32-1220 32-1221	.29	{32-1236 32-1237	.82	32-1222	.26	27-5034	.15	34-2039	-0
E	Pierce Arrow 1934	38-5511	1.00	30-4056	.44	32-7038	.68	28-8206	.74	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29	32-1236 32-1237	.82 .82	32-1222	.26	42-5130	.29	34-2031	.0
G	Chrysler 1934 Dodge DeSoto Ply. 1934 Hup. 1934	33-5056	10	30-4127	.44 .44 .44 .44	32-7118	1.18	28-8188 28-8218 28-8201 28-8226	1.32 1.41	28-8198 28-8219 28-8202 28-8227	.39 1.32 1.41	30-2030 30-2030 30-2030 30-2030	1.12 1.12 1.12 1.12	32-7110	1.59	32-1220 32-1221	.29	32-1236 32-1237	.82	32-1222		42-5133 42-5122 42-5124 42-5123 42-5208	.32 .29 .29 .21	34-2031 or 34-2039	.0
- 1 22	DeSoto Ply, 1934	33-5067	1.00	30-4189	.44	32-7254	.59	28-8188 28-8218 28-8201 28-8226	1.32 1.41	28-8198 28-8219 28-8202 28-8227	.39 1.32 1.32	30-2030 30-2030 30-2030 30-2030	1.12 1.12 1.12 1.12	32-7253	1.47	{32-1331 32-1332	.35	{32-1329 32-1237	.82	32-1333		42-5202 42-5204 42-5200 42-5205 42-5208	.29 .32 .32	34-2039 34-2039 34-2039 31-2039 34-2039	0.0
Н	Hup. 1934 Hup. 1934	38-5534	1.06	30-4142	.44	32-7104	.68	28-8214		28-8214	.68	30-2015		32-7098	1.41	32-1220 32-1221	.29	32-1236 32-1237	.82	32-1222	. 26	42-5125	.82	6608	.0
-122	Hup. 1934 Pack. 1935	38-5851 38-6022	1.00	30-4208 30-4208		32-7104 32-7104	.68	28-8214 28-8214	.68	28-8214 28-8214	.68	30-2015 30-2015	1.18	32-7098 32-7098	1.41	∫32-1462 32-1463	.65	32-1471 32-1449	.82	32-1222 32-1222	.26	42-5125 42-5125	.82	34-2039 34-2039	:
J	Stude, 1934 Nash 1934	34-5606	1.00			32-7215 32-7215	.53	28-8169 28-8181	.76	28-8170 28-8182	.76	30-2072 30-2072	1.47	32-7216 32-7216	1.53	732-1331 32-1332	.65 .41	732-1329 32-1237	.82	32-1333 32-1333	.26	27-5041 27-5040	.18	6608 or 34-2039	::
N		33-5067	1.00			32-7233	.59	28-8241		28-8242	.59	30-2030		32-7232	1.41	32-1331 32-1332	.65 .41	32-1329 32-1237	.82	32-1333	.26	42-5166	.13	34-2038	
Q	Nash 1934 Stude, 1934	38-5606 38-5606	1.00	30-4180 30-4180	:44	32-7215 32-7215	.53	28-8182 28-8169	.74	28-8182 28-8170	.74 .76	30-2072 30-2072	1.47 1.47	32-7216 32-7216	1.53	/32-1331 32-1332	.65 .41	32-1329 32-1237	.82 .82	32-1333 32-1333	.26	27-5041 27-5040	.18	34-2031 34-2031	.0
R	Chr.6) Dod. 1934 Ply. Hup. 1934		1.06			32-7215			.59 2.00	28-8234 28-8214		30-2072 30-2072	1.47 1.47	32-7216	1.53	32-1331 32-1332	.65 .41	32-1329 32-1237	.82	32-1333	.26	42-5208 42-5176	.24	6608 or 34-2039 34-2031	.0
T2	All 1935 Models Ply. 35 Dod. 35 Chry. DeSoto Hup. 1935	33-5088	1.00	30-4138	.53	32-7254	.59	28-8317 28-8317 28-8317 28-8319 28-8359	.59 .59	28-8318 28-8318 28-8318 28-8320 28-8360	.59 .59 .59 .68	30-2107	1.09	32-7315	1.41	32-1535 32-1536		32-1538 32-1449	.94	32-1537	.32	28-2498 28-2497 28-2500 28-2496 28-2798	.53 .50 .59 .59	34-2039	.0
T3	Pierce Arrow '35 Reo '35 Stude '35	38-629 7	1.15	30-4243	.44	32-7215	.53	28-8341 28-8317 28-8336	.59 .59 .74	28-8341 28-8318 28-8336	.59 .59 .74	30-2105	1.18	32-7216	1.53	32-1535 32-1536 32-1535	.41 .65	32-1538 31-1449		32-1537	.32	27-5084 28-2206 27-5073	.21 .18 .12	34-2040	.0
T6	Ford '35	33-5067	1.00	30-4243	.44	32-7233	.59	28-8331	.68	28-8332	.56	30-2030	1,12	32-7232	1.41	32-1536	.41	32-1329 32-1237	.82	32-1537	.32	42-5302	.26	34-2039	.0

Philco Replacement Parts for Standard Philco Auto Radios

Radolek's Determined Policy Is "Wholesale Only" to Radio Servicemen and Radio Dealers

(Asterisks or Numbers in Parenthesis Following Part Numbers Refer to Notes on Page 137)

Your Customers Do Not Have the Radolek Profit Guide

Volui Conti Philco & Swi Receiver Assem		ol :ch	Ton Conti	-	Filter Choke		Control S Tuning			Volume		Filter Condenser		Power Trans- former		R. F. Trans- former		F. ns- iers				Dial Assembly		Pilot Lamp	
Model Number	Philco Number	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Y ou Pric	
3	4463**	51.06	RADOL	EK			4507	.38							4401A 4401B 4401B 3775B	\$0.59 .44 *44 .50	RADO	LEK			4461	50.26	6608	so.	
5	33-5009	1,00					28-8006	.71	28-8007	.71	30-2008	1.06	32-7030	1.32	32-1152	.29	30-1080 32-1087		32-1085	50.26	27-5006	.18	6608	.0	
6	7525	1.06			RADOL	EK	6128	.71	6129	.71	05324	.71			06914 06915	.41	06932 05970	.50	06916	.56	S255	.18	6608	.0	
7	6109	1.06					6128	.71	6129	.71					04348 04509	.53	04352 04353	.79	04508	.71	6043	.18	6608	.0	
8	7322	1.06	05366	.44			6128	.71	6129	.71	RADO	LEK			01348 01509	.53	04352 04353	.79	04508	.71	6043	.18	6608	.0	
9	7525	1.06	05366	.44			6128	.71	6129	.71	04959	.53			06914 06915	.41	06932 05970	.50	06916	.56	4255	.18	6608	.0	
10	Dir. Drive 38-5280 Airplane 38-5511	1.00	30-4056	.44	32-7038	.68	28-8139 (Air Plane 28-8206)		28-8141 Air Plane 28-8206)	.71	30-2015	1.18	32-7098	1.41	[32-1220 [32-1221	.29	32-1236 32-1237	.82	32-1-22	.26	27-5022 42-5173	.18	6608	.0	
10-122	38-5851	1.00	30-1056	.44	32-7104	.68	28-8206	.73	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1220 32-1221		32-1236 32-1237		32-1122	.26	12-5173	.29	34-2039	0.0	
11	Dir. Drive 38-5606 Airplane 38-5534	1.00			32- 72 15	.53	28-8139 (Air Plane 28-8206)		28-8141 (Air Plane 28-8206)	.71	30-2072	1.47	3 2-7 216	1.53	{32-1331 32-1332		32-1329 32-1237		32-13 33	.26	Dir. Drive 27-5038 Air. 42-5175		6608	.0	
12	7525	1.06	05366	.44			6128	.71	6129	.71	04959	.53	RADO	LEK	04348 04509	.53	04352 04353	.79 .79	04508	.71	8255	.18	6608	.0	
700	38-5534	1.06	30-4180	.44	32-7215	.53	28-8206	.73	28-8206	.74	30-2072	1.47	32-7216	1.53	32-1331 32-1332	.35	32-1329 32-1237	.82	32-1333	.26	12-5189	.29	34-2031 34-2039	.0	
800	Dir. Drive 38-5606 Alrplane 38-5534	1.00	30-4142	.44	32-7104	.68	28-8139 (Air Plane 28-8206)	1	28-8141 (Air Plane 28-8206)	.71	30-2015	1.18	32-7098	1.41	32-1220 32-1221	.29	32-1236 32-1237		32-1222	.26	Dir. Drive 27-5022 Air. 42-5173		6608	.0	
800-122	38-5851	1.00	30-4220	.47	32-7104	.68	28-8206	.73	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1462 32-1463	.65	32-1471 32-1449	.82	32-1222	.26	12-5191	.24	34-2039	. (
802	38-5851	1.00	30-4208	.50	32-7104	.68	28-8206	.73	28-8206	.74	30-2015	1.18	32-7098	1.41	32-1462 32-1463	.65	32-1471 32-1449	.82	32-1222	.26	12-5255	.24	34-2040	0.	
805	**38-6635	1.00			32-7351	.53	28-8354	.74	28-8354	.74	30-2115	1.41	32-7352	1.76	32-1655 32-1656	.74	32-1650 32-1651	1.18	32-1657	.44	27-7835	.15	34-2039	.0	
806	**38-6605	.88	33-5101	.50	32-7351	.53	28-8354	.74	28-8354	.74	30-2109	1.47	32-7352	1.76	32-1618 32-1619	.74	32-1621 32-1622	1.03	32-1620	.44	27-7835	.15	34-2039	0.	
808	**38-6636	1.00	33-5096	.50	32-7104	.68	28-8354	.71	28-8354	.74	30-2112	1.18	32-7352	1.76	32-1618 32-1619	.74	32-1621 32-1630	1.03	32-1620	.44	27-7835	.15	34-2039	.0	
809	**38-6605	.88	33-5096	.50	32-7351	.53	28-8354	.74	28-8355		30-2109	1.47	32-7352	1.76		.74		1.03	3 2 -1620	.44	27-7835	.15	34-2039	.0:	

Number 28-8354 is 21' long. Number 28-8355 is 28' long

Radolek Is the Only Radio Distributor with a Complete Listing of Genuine Philco Replacement Parts. The Confidential Low Net Prices on These Pages Are for Your Use Only. The Radolek Catalog Is Intended for Distribution Only to Radio Servicemen and Dealers. Depend On Radolek.

Help Make Your Business More Profitable

R. F. and I. F. Transformers are listed in the order they appear in circuit diagrams.

on Radolek for All Your Radio Requirements

- Switch is included with Vol. Control.
- Vol. Control only. Switch is part No. 4705 (1) One-Speaker sets.
- (2) 2-Speaker sets. (3) LZX only; code 222 is 42-1031; code 121 is
- 42-1019. Code 222.
- Code 122 Code 123 uses two 30-2014
- (7) Models with bass comp: 06698
- Code 123 (RX). Code 123.
- (10) Code 221. (11) Code 223.
- (12) Scale only. 13) Code 121.
- Code 122 and 123. (15) Code 121 (two used)
- (16) Run 14 & 15: 30-4168; run 16 & after 30-4204

- (17) Code 123: 31-1077. (18) Code 123: 31-1115.
- (19) Code 125. (20) Code 126 & 7.
- (21) Code 123: 31-1078. (22) After run 6, use one 30-2045 in place of these
- Code 123: 31-1117 (24) Code 124-5 (LZ&LZX)
- (25) Code 129 (1.Z). (26) Run 3 and after: 30-4168.
- (27) Code 221: 6895 (28) Code 123 or 223: 505988
- (29) Code 123 or 223: 05987. [Code 123 or 223: 06144.
- Code 125: 06523. Code 123 or 223: 05992. (32) Code 123: 31-1118.
- Radolek Leads in the Public Address Field

- (33) Code 123 & 223:
- (34) Code 123 & 223: 05728
- (35) Code 123 & 223: ₹10/19/32: 06359
- 05811; after (36) Code 123 & 223: 10/19/32: (37) Before run 4: 32-1116.
- (38) Before run 4: 32-7046. (39) Run 6 and after: 42-1043 (40) Run 6 and after: [32-1304
- (41) Before run 3; 30-4013. (42) Before run 3: 05153.
- (43) Code 123 or 223; [05988 (44) Code 123 or 223; 05987.

- (45) Two-speaker sets: 6457. (46) Code 123 or 223: 05986. Co (47) Code 123, 223 & 125: 05992. Code 125: 06581.
- (48) Above run 12: 06888; with dial to 170: 32-1125
- (49) Above run 12:06887; with dial to 170: 32-1120 (50) With dial to 170: 31-1031.
- (51) With dial to 170: 31-1032, Make Radolek
- (52) Before run 4: 05794. (53) Before run 4: 05828 After run 2: 32-1289 (56) Before run 5: 31-1010
- (57) Code 123 & 223: 05982 (58) Code 123 & 223: 05992.
- (59) Code 126. (60) Later Prod: 31-1290.
- (61) Code 125: 42-1078. (62) Code 125: 31-1358 (63) Code 125: 31-1363. (64) Code 125: 34-2031.
- Your Source of Supply for Radio Repair Parts, Testing Equipment, Radio Receivers, Public Address Systems and Accessories

ದ್ದ RADOLEK

PHILCO HOME RADIO REPLACEMENT PARTS (Continued From Previous Pages)
(Asterisks or Numbers in Parenthesis Following Part Numbers Refer to Notes on Page 137) RADOLEK

			1										1		10 1101		l		<u></u>		1		I	OLEI
Philco Receiver		Volume Control		Tone Control		Electrolytic Condensers		Filter Condenser		er IS- Ier	Input Aud Trar form	io 15-	Filte Chol		R. F. Trans- former		I. F. Trans- formers		Osc. Trans- formers		Dial Assembly		Pilot Lamp	
Model Number	Philco Number	Your Price	Philco Num.	Your Price	Phileo Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your	Philco Num.	Your Price	Phileo Num.	Your		o You Pric
60	33-5006*	.85	30-4008	.29	7558	.73	30-4063(41)	.50	S046	2.06					32-1047	.38	32-1304 (40) 32-1305 (40)	.38	32-1048	.44	31-1090	.21		.0
65	3528	.71	RADDL	EK			3515	7.94	3516	4.41	3537	1.85	3422	1.76	3506 B 3506 A	.65			RADO	LEK	3398(12)	.06	3463	.0
66	33-5006*	.85	30-4212	.29	30-2021	.68	30-2079	1.41	8046	2.06			32-7018	.88	32-1412	.50	32-1414 32-1415	.59	32-1413	.35	31-1234	.18	6608	.0
70	5039	1.06	04757	.29	4916	.88	04559	.71	5117	3.82		-	4819	1.06	03082 03083	.44	03091 03092	.53	03084	.35	03031	.44	3463	.00
70 (AVC)	6015	.58	04757	.29	4916	.88	04559	.71	5117	3.82			4819	1.06	04339 04185	.53	04190	.29	04186	.71	03031	.44	3463	.01
71	6499	.58	04787(42)	.44	6453 4916 6706	.88 .91	05324	.71	6454(45)	2.65					04339(43) 04185(43)	.53	04190 04319	.29	04186 (44)	.71	04832(47)	. 26	6608	.00
76	3879	.58			RADDL	EK	3870	4.41	3868	5.29	3872	1.47	3422	1.76	3884A 3884B 3884C 3884C	.53 .38 .59	RADO	LEK			3794(12)	.12	3463	.04
77	4094	1.06	04787	.44			3870	4.41	3868	5.29	3872	1.47	3422	1.76	3884A 3884B 3884C 3884C	.53 .38 .59					4118(12)	.24	3463	.04
80	33-5005*	.85			7467	.62	30-2025	.79	7421	1.91			RADO	LEK	05831(48)	.29	06100	.88	05832 (49)	.47	05828(51)	.15	6608	.0
81	33-5002*	.58			7467	.62	30-2025	.79	7421	1.91					32-1030	.35	06100	.88	32-1031	.53	27-5003	.09	6608	.0
84	33-5055*	.85					30-2013	1.15	32-7180	2.12					32-1310	.24	32-1313	,5?	32-1311	.24	27-5031(12)	.09	6608	.01
86	3076	.82	RADOL	EK			3246	10.00	3271	4.41	3242	1.18	3269	2.50	3075B 3075A	.71 .71					3047(12)	.06	6608	.0
87	3076	.82			£		3401	8.23	3100	4.41	3242	1.18	3422 3472	1.76 2.50	3075B 3075A	.71					3398(12)	.06	3463	.00
89 (Early)	33-5004*	.85	06764	.29	30-2026 8166	.70 .62	06624	.53	8046	2.06	RADDL	EK			06619 06662	.32	06621 06622	.35 .71	06620	.53	31-1590	.24	6608	.04
89 (With Police)	33-5007	.58	06764	.29	30-2026 8166	.70 .62	06624	.53	8046	2.06					32-1062 32-1063	.41	06621 (55) 06622	.35 .71	06620	.53	31-1025	.21	6608	.06
90 (2-45's)	5039	1.06	04787	.44	4916	.88	RADOL	EK	4938	4.41	4952	1.62	4819	1.06	03013 03014 03015	.44 .29 .35	03009 03143	.62 .71	03016	.35	03031	.44	3463	.06
90	5724	.58	04787	.44	4916	.88			5362	3.68			4819	1.06	03360 03014 03015	.38 .29 .35	03009 03345	.62 .53	03016	.35	03031	.44	3463	.06
90 (2-47'8)	6015	.58	04787	.44	4916	.88	04407	.71	6072	3.68	6064	1.03	4819	1.06	04317 04408	.47	04319 04320	.53	04409	.47	03031	.44	3463	.06

GENUINE PHILCO REPLACEMENT PARTS FOR ALL PHILCO HOME RADIOS

RADOLEK

(Asterisks or Numbers in Parentheses Following Part Numbers Refer to Notes on Page 137)

Philco Receiver	Volume Control		Tone Control		Electrolytic Condensers		Filter Condenser		Power Trans- former		Input or Audio Trans- formers		Filter Choke		R. F. Trans- formers		I. F. Trans- formers		Osc. Trans- formers		Dial Assembly		Pilot Lamp	
Model Number	Philco Number	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	Your Price		Your Price		Your Price	Philco Num.	Your Price	Philco Num.		Philco Num.	Your Price	Philco Num.	Your Price	Philco Num.	You Pric
14 (Early)	8054	50.88	06698	50.44	1916(1) 7558(2)	50.88 .74	04830	50.53	6804	53.23	6064	51.03	4819	51.06	0598 4 0598 5	50.32	04319 04320	50.53 .53	05983	50.44	06817	50.21	6608	50.0
14 (With Police)	8054	.88	06698	.44	30-2024 30-2025	.65 .79	30-2007	.53	6804	3.23	6064	1.03	4819	1.06	32-1069 32-1070	.44	04319 04320	.53	05983	.44	31-1026	.21	6608	
14 (Late)	33-5024*	.85	30-4073	.44	30-2003	.56	30-2022(6) 30-2025	.59 .79	32-7111	3.97	32-7057	2.06	32-7115	1.06	32-1261 32-1256	.41	32-1263 32-1264	.38	32-1262	.38	31-1118(8) 31-1026(5)	.65 .21	6608	
15 (Early)	7050(10) 8054(11)	.58	04787(10) 30-4004(11)	.44	6706 & 30-2025(10) 4916(11)	.91 .79 .88	03489	1.23	6672	4.41	5662	1.92	3422	1.76	04981 04982 05033	.32 .24 .38	03038 04979 03345	.53 .32 .53	04983	.29	1276(12)	.15	6608	
15 (Later)	8054	.88	04787	.44	4916	.88	03489	1.23	6672	4.41	6064	1.03	3422	1.76	32-1143 32-1144 32-1145	.59 .59	03038 04979 03345	.53 .32 .53	.)4983	.29	1276(12)	.15	6608	
16 (Codes 121-2-3)	33-5022*	.85	30-4069(16)	.44	30-2069 (15) 6706 & 7558 (5)	1.12 .91 .73	30-4026	2.12	32-7058(14) 32-7080(13)	3.68 3.18	32-7057	2.06	32-7056	1.29	HF 32-1183 BC 32-1182		32-1186 32-1186 32-1188	.38	BC	1	31-1058(18	.71	6608	
16 (Codes 125-6-7)	33-5022*	.85	30-4204	.44	30-2078 30-2023 (19) 30-2069 (20)	1.43 .65 1.12	30-2045(19) 30-2046(20)	1.06	32-7291(19) 32-7283(20	4.12 4.12	32-70 57	2.06	32-7056	1.29	32-1467 32-1468	1.47 1.35	32-1185 32-1470 32-1185	.59	32-1469	1.41	31-1363	.44	34-203	
17	33-5023*	.85	30-4070	.44	30-2078 30-2023 (19) 30-2069 (20)	1.43 .65 1.12	30-2045(19) 30-2046(20)	1.06	32-7058 (14) 32-7080 (13)	3.68 3.18	32-7057	2.06	32-7056	1.29	32-1170 32-1171	.50	32-1173 32-1174	.53	32-117:	.53	31-1066	.29	6608	
18 (Codes 121-2-3)	33-5024*	.85	30-4073	.44	6706 (22) 30-2025 30-2003 (22)	.91 .79 .56	30-2029	1.09	32-7111	3.97	32-7114	1.76	32-7115	1.06	32-1255 32-1256	.32	32-1289 32-1258	.32	32-125	.35	31-1066(32	.29	6608	
18 (124)	33-5069	.58	30-4073	.44	30-2025	.79	30-2045	1.06	32-7111	3.97	32-7114	1.76	32-7115	1.06	32-1396 32-1397	.35	32-1288 32-1258	.32	32-1398	.26	31-1207	.29	6608	
19 (Early)	33-5004	.85	30-4003	.44	\$095 \$095	.62	76624	.53	8046	2.06	RADOL	EK			06619 06622	.52	06621 06622	.35 .71	06620	.53	06697 (5) 06766 (13)	.32	5608	.0
(With Police)	33-5000	.85	30-4003	.44	30-2026 8166(9)	.70 .62	76624	.53	8046	2.06					32-1062 32-1063	.41	06621 06622	.35 .71	06620	.53	31-1028(9) 31-1024(24 31-1025(59	.21 .24 .21	6608	.0
19 (Code 128)	33-5000	.85	30-1003	.44	30-2026	.70	30-2062	1.53	32-7170	2.65			RADOL	EK	32-1062 32-1063	.41	32-1315 06622	.32	06620	.53	31-1025 31-1024(25	.21 .24	3608	
20	4094	1.06	RADOL	EK	RADOL	EK	1235	2.65	4234	4.12	4232	1.32	4231	1.06	3884 N 3884 P 3884 P	.53 .62 .62	RADO	LEK			1209B	.29	3463	
21	4094	1.06			1818	1.06	RADOL	EK	4813	4.12	1232	1.32	4819	1.06	3884 N 3884 P 3884 P	.53 .62 .62			RAGO	LEK	1209B	.29	3463	
28	33-5066*	.85	30-4211	.44	30-2083	1.00	30-2083	1.00	RADOL	EK			6658 32-7018	.88	32-1360	.35	32-1362 32-1363 32-1364	.88 .88 .91	32-1361	.38	31-1208	.26	4567	
29	33-5097*	.85	30-4178	.44	30-2026	.70	30-2073	1.85	32-7229	3.09			32-7018	.88	32-1360	.35	32-1362 32-1363 32-1364	.88	32-1361	.38	31-1208	.26	6608	.0

New PHILCO All-Wave Antenna



The Kit Includes: 17 ft. and 1-43 ft. length Str. 7/22 bare copper wire soldered to— 75 ft. twisted pair transmission cable of No. 22 stranded copper wire, rub-ber covered and with overall braid;

- -Weather-proof Antenna Transformer. -Set transformer with switch;
- -Doublet lightning arrester; Nail knobs;
- -Porcelain insulators; -Porcelain wall tube; Instructions.

Two Separate Aerials

Two Separate Aerials

Two lengths of aerial are used—
one 17 feet long which tunes the 20
meter band (15 mc.)—the other 43
feet long; is an untuned aerial for
efficient reception of all other frequencles. A weatherproof Antenna Transformer efficiently matches either section
of the aerial to the low impedance
transmission line. Pickup of noise
by lead-in is eliminated. A Set Transformer adjusts the Antenna System
through a two position switch for short
waves or standard broadcast.

A Dual Aerial for Re-ception at Maximum Efficiency on All-Wave or Dual-Wave Receivers.

Reduces Interference on All-Wave Bands. Combines two aerials, connected through an Antenna Transformer to a Low Impedance Transmission line Lead-in. Scientifically engi-neered. Has real merit that can be definitely demonstrated. Philco advertising makes easy for you to sell.

3F2093—Complete k

3F2093—Complete less set transformer. kit Price, \$5.00. \$2.94 YOUR PRICE ... \$4.94 YOUR PRICE ... \$1.03 YOUR PRICE ... \$1.03

New RCA RK-40 Single Doublet

Antenna System Completely Assembled

For reception of shortwave or Broadcast on Allwave or Dual-Wave Sets.

wave or Dual-Wave Sets.
Consists of a special doublet type antenna which employs two aerials—one leg 19 ft. long and the other 49 ft. long—connected to an antenna junction box. A duplex transmission lead-in is wired to antenna box and coupled to receiver through a set coupling transformer. All connections are securely soldered. Factory assembling make installations easy. RCA national advertising makes it easy for you to sell.



Price List

3J2085—Model 9631. Complete as illustrated with hermetically sealed antenna junction box and receiver coupling unit.

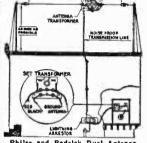
List Price, \$5.50. YOUR PRICE ...

The Kit Includes:

The Kit Includes:

Antenna assembly comprising: 1-19' and 1-49' roll of 7/24 bare copper antenna wire; 75' roll twisted pair transmission cable of gauge 20 stranded tinned copper wire rubber insulated, with weather-proof braid overall; Junction Box to which the two antenna wires and the transmission line are connected; Reeeiver Coupling Unit with two Links for attachment to "Ant." and "Gnd." terminals or elips on radio receiver; Two Nail-on porcelain knobs; Porcelain tube Lead-in Insulator; Ground Clamp. Two str a in insulators attached to ends of aerial. Instructions and installation diagram. Completely assembled. Every connection is securely soldered.

Radolek, R.C.A. and Philco All-Wave Aerials Improve Reception 49 PEET - 19 PEET JUNETION STRAIN



Phileo and Radolek Dual Antenna Installation Diagram.

LIGHTNING ARRESTERS RECEIVER COUPLING UNIT R.C.A. and Radolek Single Doublet Installation Diagram.

Radolek, R.C.A. and Philoc All-Wave ficiency aerials more stations on all aerials intensify weak signals and bands can be received. For use with eliminate noise and local interference any A.C. or battery operated Allon all bands. With these high ef- Wave or Duai-Wave receiver.

TRANSMISSION

Radolek All-Wave Dual Antenna System



F2097-List List Price, \$7.50

A dual aerial for reception at maximum efficiency of short-wave or broadcast on All-Wave or Dual-Wave Receivers.

All-Wave or Dual-Wave Receivers.

Two lengths of aerial wire are employed—one of 17' and the other 43'. The shielded weather-proof Antenna Transformer correctly matches either section of the serial to the low impedance lead-in. The Set Transformer permits adjusting the antenna through a two position switch for either regular broadcast or for short-waves. Installation diagram giving all details shown above.

The Kit Includes:

1—18' and 1—45' roll of stranded 7/22 bare copper wire: 75' twisted pair transmission cable of rubber-covered No. 22 stranded copper wire with overall weather-proof braid; 1—Antenna Transformer: 1—Set Transformer: 1—Doublet Lightning arrester; 2—Nail knobs; 2 Porcelain Insulators; 1—Porcelain wall tube; Instructions.

We guarantee that the quality of materials sup-

We guarantee that the quality of materials sup-plied and efficiency of Radolek All-Wave Antenna systems equal or surpass that of similar kits advertised at higher prices.

Radolek All-Wave Doublet Antenna System



Assembled and Soldered—Ready to Hang

3F2090—Kit Less Set Coupler.
List Price, \$2.50. YOUR PRICE..... 97¢ 3F209 1-Kit with Set Coupler. 3F2091—Kit with Set Coupler, List Price, \$3.50. YOUR PRICE..... \$1.79

3F2092-Set Coupler Only.

Radolek 1936 Model Single Doublet Antenna System



Guaranteed to provide the maximum results with any All-Wave or Dual-Wave radio under all receiving conditions.

Exactly duplicates the performance of higher priced nationally advertised single doublet systems. Aerials employed and installation details are filustrated in above diagram. A shielded weather-proof, antenna junction box matches the aerials to the dual transmission line giving additional noise reduction on standard broadcast. Receiver coupling unit has switch for Broadcast or Short Wave reception.

312096—Complete as illustrated with hermetically scaled antenna junction Box and receiver coupling unit. List, \$5.00.

YOUR PRICE

The Kit Includes:

1-20' and 1-50' roll of 7/21 bare copper wire; 76' roll twisted pair transmission cable of gauge 20 stranded tinned copper wire, rubber insulated, with weatherproof braid overall; Antenna Junction Box; Receiver Coupling Unit; Two Nail-on porcelain knobs; Porcelain tube Lead-in Insulator; Two porcelain strain Insulators; Ground Clamp, Instructions and installation diagram.

Variable Impedance Matching Antenna Unit Rejects Noise For Use with Any Aerial Using a Two Conductor Lead-In



Matches any type of aerial using a two conductor leadin to any All-Wave or Dual-Wave receiver. The desired signal is increased and interference eliminated. Perfect matching of the aerial and transmisson to the input circuit of the receiver results in maximum signal strength on all-waves without noise. The proper Impedance is selected by turning antenna unit knob. Simple to install and operate. Housed in a completely shielded polished aluminum case.

3F2098—List, \$2.50. YOUR PRICE.

Every Radolek Antenna Packed in a Colored

Display Carton All models of Radolek Antenna Sys-tems are packed in sturdy, attrac-tive, two color cartons. These dis-play cartons help you sell Radolek Antennas. Sell Radolek Antenna Systems at the full list prices plus your installation charge.



Copyright 1936 by W. C. Braun

TUBE Compact Metal Tubes AUTO RA

No Other Auto Radios Have All These 25 Outstanding Features In Such Compact Form



Compact Single Unit "Quick Service" Construction -Smart, Modern Appearance-handsome, round cornered, crystal-finished sturdy metal case that fits any car. 71/2" Wide x 7" High x 81/4" Long.

and not the so-called imitation Metal Tubes which are only the old style glass tubes dressed

up in a metal envelope.
Where we specify Metal
Tubes—We supply you
with the Genuine Metal
Tube. Depend on
Radolek.

7 Features That Assure Finest Reception

- New Advanced Balanced Su-
- perheterodyne Circuit.
 One Stage of R.F. Preceding
 First Detector.
- New Iron Core Antenna Coil.

 175 Kc. Double Tuned I.F. Transformers.
- "Jumbo" Dynamic Fine Quality Speaker.

 1 Microvolt Sensitivity.
- 10 Kc. Selectivity.

7 Features That Assure Noiseless Operation

- New R.F. Filament Filter. New R.F. Plate Filter. Special Vibrator "Hash" Filter. New Motor Noise Filter. Exclusive Double Shielded Diode Transformer for Transformer Hum Elimination.
 Shielded and Impregnated Power Transformer.
- No Suppressors Required.

6 Features That Assure Ease In Installation

- Sturdy Single Hole Mounting.
- Compact Fits Any Car -Mounts on Any Dash.
- Mounts in Any One of Four Selective Positions.
- Only 1 Battery Connection.
- Jack Provided For Overhead or Rear "Twin Speaker".
 - Only 1 Aerial Connection.

6 Features That Assure Dependable Construction

- Dependable Construction
 Heavy Gauge Rust-Proof Sturdy Steel Casing.
 Spot Welded Wherever Possible Insuring Rigidity.
 All Fixed Condensers Securely Strapped To Chassis.
 Special Sure-Grip Sockets Keep Tubes and Plug-in Vibrator Securely In Place.
 Husky Variable Condenser.
 Completely "Dust Proofed"
- Completely "Dust Proofed".

The Greatest Auto Radio Value 9 Tube Performance At 6 Tube Economy

9 Tube Performance At 6 Tube Economy
The most compact 6 Tube Auto Radio ever built! Absolutely the "top" in 6 tube Auto Receivers. No other set offers so many exclusive features . . . so much value for your Auto Radio Dollar. A masterpiece of auto radio engineering bringing to you for the first time, Metal Tubes in a Mobile Receiver. The new powerful Superheterodyne Circuit, Dual-Purpose and Triple-Purpose Tubes, coupled with the 25 OTHER FEATURES described above brings you Greater Sensitivity, Finer Selectivity, Greater Tone Range, Better Fidelity, More Stations and Tremendous Power not found in any other 6 Tube Auto Radio. You get 9 tube efficiency at 6 tube economy. Sell this Receiver with complete confidence . . . it has no superior. All Electric—operates entirely from 6 volt car storage battery . . . low current consumption. A newly developed Antenna Circuit permits automatic adjustment to any type aerial. Extremely high ratio of Signal to noise level and improved Sensitivity. Positive Selectivity—stations on adjoining channels definitely sepparated, no overlapping, no interference. Full Automatic Volume Control—minimizes fading and holds the volume to the selected level. Illuminated Airplane Dial—makes station selection easy and certain. Simple to operate.

Price 6 Tube Auto Radio

Price 6 Tube Auto Radio

BJ10160—Complete with 8 Raythen 4Pillar Tubes: 1-8K7, 1-6F8, 1-6D6, 16A7, 1-75, 1-84; Flexible Shaft and Control Mechanism:—Installation Hardware. The
mounting Kit for the control mechanism
which is required additionally is not included. See description and listing below.
List Price, \$44.50.

YOUR PRICE

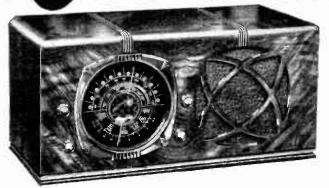
easy and certain. Simple to operate.

Perfect Tone Quality
The large full size 6½ Inch Dynamic Speaker is mounted at a pre-determined angle and is not parallel to any of the sides of the car radio cover or chassis; thus eliminating microphonics and resonance and assuring true perfect tone, equal to finest home radios.

Twin Speaker Installations
Open up a new field for additional profits. Be the first in your territory to offer this profitable service. See bottom of this page.

THE MAGIC OF RADIO WITH THE PLEASURES OF MOTORING IN ANY CAR Twin Speaker Installations Remote Control Mounting Kits 3J6875—Dash Mounting Kit for all cars that have knockout panels or ash tray compartments in the dash panel. Specify make, model and year of car when ordering. (See illustration 2 for typical mounting on 1935) A separate Deluxe Dynamic to for Dodge and Speaker specially designed for individual overhead ear-level installation or can also be mounted in rear of from the season of Remote Control Mounting Kits

BAND SUPERHETERODYN



New Style Cabinet

The newest design in this type of Receiver. A brand new Cabinet of ultra-modern styling. Actually a large Deluxe receiver. Its unique style and pleasing proportions make this the perfect ensemble for the table, mantel, commode or desk—Entire front panel and top is of attractively figured burl walnut with the sides finished in a slightly darker shade. Fine hand-rubbed "Piano" finish. Size: 20½"x10"x9" deep.

BJ10956— Complete with Raytheon Tubes. S List Price, \$45.00. YOUR PRICE

Giant 8" Airplane Dial
Giant 8" Illuminated Dial—with red, green and white coloring for individual distinction of each band. Zone tuning permits easy and quick reference tuning of both foreign and local stations. The larger dial spreads out the stations and makes fine hairline accurate station tuning possible.

Foreign and Domestic Broadcasts Amateurs—Airplanes—Police Calls

- 17 to 51, 52 to 174, 175 to 565 Meters
- Superhet Circuit-Two Stages of I.F.
- 12 Tuned Circuits-10 Kc. Selectivity

5 Microvolt Sensitivity On All Bands Dual Purpose Tubes—3 Gang Condenser 8" Airplane Dial—61/2" Dynamic Speaker This 6 Tube A.C. All-Wave 3 Band Superhet Using Two Stages of High Gain I.F. Amplification and Dual P

Stages of High Gain I.F. Amplification and Dual Purpose Tubes is positively the most sensitive and selective six tube radio offered today. This is the only Six Tube Receiver using Two Stages of I.F. Amplification. Absolutely no dead or insensitive spots on the dial affording finest Foreign Shortwave and Standard Broadcast reception. High tuning ratio of giant Dial mechanism and long pointer sweep gives the ultimate in Band S-P-R-E-A-D tuning. Sell this receiver to enthusiastic radio "fans" and "hams" with full confidence that the performance will meet their every requirement—the most critical buyer will be satisfied.

Superhet Circuit

New advanced Superhet Circuit with 2 stages of I.F., 12 tuned and 1-6A8G, 1-5Y3G, 1-6F6G Circuits and a 3 Gang Tuning glass type tubes with the new Condenser brings positive 10 Kc. Condenser brings positive 10 Kc. Selectivity and 5 Microvolt Sensitivity on all bands. Automatic Volume Control-Permits silent tuning-in of desired station and prevents fading on distant stations. 61/4" Super Dynamic Speaker: Clear, powerful tone.

Metal Tubes

tubes are interchangeable with all-metal tubes. Variable Tone Control—For adjusting the radio to receive each type of program at its best. The finest perform-ing 6 tube Radio we have ever offered. For 110 Volt 50-60 cy-cle A.C. Current Operation.





- Tunes 2 Bands 44 to 136 and 175-565 Meters Gets All Police
- Calls, Amateurs. American, Mexican, Canadian and some Foreign Stations
 Tone Control
 A.V.C.
 Dynamic Speaker
- 105-120 Volt 50-60 Cycle A.C. Operation.

BJ10965-Complete with 5 Raytheon Tubes. YOUR PRICE

Beauty and Harmony

Here's a new conception of how the wonders of radio should be physically groomed. A new style Table Model Receiver not only startling but also enormously appealing. New Beauty in the matched hand-rubbed selected walnut woods. . . New Harmony New Beauty in the walnut woods. . . New Harmony in the soft blending of highlights and Shades of finish—in the craftsman-like construction. This superb creation will lend charm and fit in with the simplest as well as the most luxurious decretive appointments. The four well as the most luxurious decorative appointments. The four color Illuminated Airplane Dial is a symphony of soft glowing pleasing colors and greatly enhances the beauty of this ensemble. Over all dimensions: 1634" long. 13" high, 734" deep. Specifications

Specifications
Superheterodyne Circuit employs
5 tubes: 1-6A7; 1-6D6; 1-75; 142; 1-80, including two Double
Purpose Tubes, thus givin g
seven to eight tube performance.
Tunes Two Distinct and Separate Bands which cover American, Canadian, and Mexican
Broadcasts. Al. Police Calls and
the popular 49 meter Amateur
and Foreign Short Wave Band.
A Continuously Variable Tone A Continuously Variable Tone Control. A.V.C. holds the volume at a constant level, thus eliminating fading. Pentode Output delivers clear undistorted signals to a fine quality 5" Dynamic Speaker. Full room volume-Rigid rust-proof chassishighest quality component parts.



"Covers The World"

- Tunes 5 Bands
 - 150 to 22,000 Kc.
- Superheterodyne • 8" Dyn. Speaker
- Tone Control
- A.V.C.

For 105-120 Volt 50-60 Cycle A.C. Operation.

BJ10966—Table Model Receiver complete with eight RCA tubes.

YOUR PRICE

8 Tube, Five Band Super Gets every available broadcast service on the air. Tunes five distinct wave bands: 800-2000 distinct wave bands: 800-2000
Meters—covers Airplane Beacons, Airplane Code, C.W. and
Weather Reports; 220-550 Me
ters—covers entire Regular
Broadcast Band; 60-200 Meters—
covers entire Police, Amateur
and Airplane Bands; 31-60 Me
ters Domestic and Foreign ShortWeave Statistic and the propular Wave Stations and the popular 49 meter Amateur Band; 12-31 Meters—covers American and Foreign Short-wave Stations.

Walnut Cabinet

Hand-made in genuine burl walnut with curly maple trim and overlays. Size: 16"x141/2"x91/2".



Specifications

A Superheterodyne Circuit, new I.F. Coils and a 3 Gang Tuning Condenser provide extreme Selectivity and uniform Sensitivity on all bands. Eight Tubes Used: 1-6A7; 1-75; 1-80; 1-76; 2-6B5; 2-6A7. Dual Purpose Tubes give this receiver 10 to 14 tube performance. Push-Pull 6B5 Output. Automatic Volume Control. A heavy duty 8" Dynamic Speaker insures absolute realism and fidelity of tone. Full Range Tone Control. Large Illuminated Airplane Dial: Calibrated in kilocycle and megacycle markings.



World Wide Bandspread "High Fidelity Nine" Finer than the Finest! Uses All Metal Tubes Exclusively

> ★World-Wide Range-9 All-Metal Tubes-High Fidelity ★Uniform Sensitivity Over All Bands—Shadow Tuning ★Band Spread Over All Bands—Automatic Volume Control

> ★Variable Selectivity Control-Full Range Tone Control

Quality and Tone Plus Foreign Reception

This new Powerful Receiver will outperform any other 9 tube Receiver. Here you get Custom - Built Quality at low cost If you want a receiver on which yon can absolutely depend and guarantee to bring in European, South American, Canadian, Mexican and other Foreign programs and give Superlative Long Range Receiver on a American Broadcasts. Maximum Sensitivity, Absolute Selectivity and Tone of a faithful quality, then this is Your Receiver, Its superior performance and is Your Receiver. Its superior performance and exquisite beauty are sure to please the most critical buyer. Finest Quality at low cost.

Walnut Table Model

The large Table Model Cabinet sets a new standard in fine radio furniture! Choice Stump Walnut Instrument Panel. Two-tone American walnut gracefully curved pilasters of contrasting grains. Soft hand-rubbed piano finish—all these combine to make this a cabinet of incomparable beauty. Dimensions: 1947 high, 14" wide, 10" deep. A superb cabinet creation.

BJ11924 Complete with R. C. A. tubes, List Price

\$99.50, Your

●Either the Console Model or Table Model, High Fidelity "Nine" receivers are guaranteed to bring in Foreign reception.

●World-Wide Range—Continuous Coverage from 540 to 18,000 kilocycles. Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls. Amateurs and Airplanes.

●Band Spread Over All Bands—Two section knob operates the Band Spread tuning device—"S-P-R-E-A-D-S O-U-T" the most crowded Short Wave Bands for easy accurate tuning . . . makes a difficult Foreign short wave station actually spread out the equivalent of 30 kc. space on dial. Quick, easy and accurate.

●Airplane Dial—latest Airplane Type Fullision Dial is used in both Console and Table Model Receiver. Has three scales: top scale calibrated for Regular Broadcast. Lower two scales cover 17-55 and 55-157 meters marked in megacycles for Short Wave tuning. Each band is completely illuminated as the smooth, easy to operate band-change switch is turned.

Circuit Specifications

• 9 All-Metal Tubes—Superheterodyne Circuit. Two J.F. Stages are used, insuring wonderful selectivity and sensitivity. Tube types: 3-6K7, 1-6A8, 1-6H6, 1-6C6, 2-6F6, 1-5Z4.
• Uniform Sensitivity over All Bands—fractional micro-volt sensitivity an extry hand.

ity on every band.

Ovariable Selectivity Control—permits broad tuning of local stations to enjoy the full range of musical response knife-edge tuning-in of distant stations without interference. Ten kilo-

cycle Selectivity.

Automatic Volume Control eliminates inter-station noise and coun-

teracts fading on distant stations.

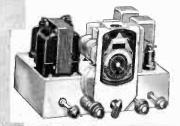
Shadow Tuning—Visual Accurate tuning by sight rather than depending on the human ear.

Chossis Price

The exceptionally high quality of this Chassis makes it particularly desirable for Chassis makes it particularly desirable for installation in custom built expensive cabinets. Complete with Nine All-Metal R.C.A. Tubes and a Concert Grand 12" Dynamic Speaker. Escutcheon, Dlal Assembly and Knobs.

BJ11926 List Price, \$104.50, \$4, 50

For 105-120 Volt 50-60 cycle AC



High Fidelity

Olligh Fidelity gives new beauty of tone, new depth of color. Uniform characteristics over practically the entire musical range (25 to 8060 cycles) assures the widest tonal range, the most faithful life-like re-

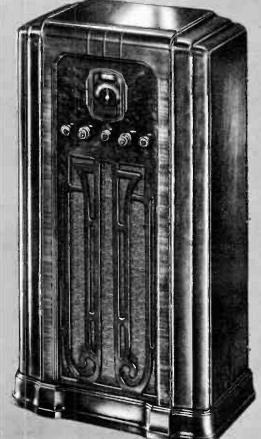
production ever achieved in radio.

Powerful Output-two power tubes in push-pull give tremendous undistorted output. A husky 12" Concert Grand Dynamic speaker a Concert 8" Dynamic speaker in the Table Model Receiver.

• Full Range Tone Control enables adjusting the radio to re-ceive each program at its best. Permits brilliant, mellow, or normal

tone. Used also for noise reducing, **Exquisite Console**

Designers, artists and cabinet makers Designers, artists and cabinet makers have judged this to be one of the most attractive consoles available today. It is a quality piece of furniture worthy of a place in the finest homes. The extra large baffle and perfect acoustic qualities preserve and intensify the exquisite tone qualities of the High Fidelity "Nine" Receiver. Center instrument panel and top are of large full grain Walnut. Sides are of American Walnut. The gracefully curved pilasters are of matched Butt Walnut. Instrument panel and sounding board are flanked by ver-tical columns of horizontal, striped Walnut in a contrasting lighter Walnut in a contrasting lighter shade. A lustrous elegant hand rubbed piano finish brings out all the color and beauty of the natural wood grains. Rich gold silk grille. Size: 37 high, 147 wide, 117 deep. BJ11925—Complete with R.C.A. tubes. List Price, \$124.50 Your Price . . .



USING ALL NEW Metal Tubes NEW DESIGN NEW PERFORMANCE NEW BEAUTY

High frequency band is plainly marked with names of Foreign Countries indicating where to names of Foreign Countries indicating where to find them. Broadcast band has quick index ref-erence markings. Indirect illumination makes all calibrations and pointers appear suspended in a black background. Ratio of 28 to 1 provides complete bandspread tuning ease at all times.



Price Table Model

8 Tubes
BJ10953—Complete with 8 in.
Speaker Speaker and 8 Genuine All-Metal Tubes. List, \$64.50. ...is Your Price Lots of 3. Each, \$31.77.

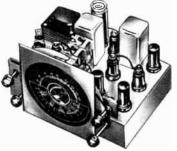
Exquisite Table Model

Exquisite Table Model
An unusually fine quality cabinet in beautiful modern design. Solid, heavy durable construction. Center panel of richly grained genuine Burl Walnut. Gracefully curved set back top and instrument panel. Sides are of finely grained walnut in a darker contrasting shade. Fine hand-rubbed lustrous piano finish. Perfect acoustic design. True High Fidelity reproduction with all the delicate overtones faithfully preserved. Cabinet size: 18½" high, 14" wide, 9" deep.

Chassis Price

12" Stadium Concert Grand Speaker BJ10955 — Complete with Eight Gen-uine All-Metal R. C. A. Tubes and a Concert Grand 12" Dynamic Speaker, Escutcheon, Dial Assembly and Knobs. Chassis dimensions: 111/2"x81/2"x71/2".

List Price, \$72.50.



★Variable Tone Control

★Three Continuous Wave Bands ★Automatic Volume Control (A. V. C.)

★Full Powerful Push-pull Amplification

★5 Microvolt Sensitivity—10 Kilocycle Selectivity ★Radio Robot-Laboratory Alignment of R.F. System

★Phase Inversion Audio Circuit—High Fidelity Response

More Tubes—Greater Power—Better Tone

Here is a Receiver GUARANTEED to OUT PERFORM any other similar Receiver offered at anywhere near this low price. Great Power, Finest Tone Quality, Extreme Sensitivity, Precise Selectivity. Easy Tuning and Attractive Appearance are all combined to make this new 8 All-Metal Tube A.C. Receiver an Outstanding Value not approached by any other High Quality Set. Every point on the dial is covered with powerful full-toned reception. Programs from South America, France, Spain, England, Germany, and Asia with all the volume possible and with the original rich, sweet tones fully preserved. Police Calls on the upper band are instantly available. Every newest modern engineering development is incorporated in this Receiver bringing you the best possible performance and the greatest value per dollar invested.

Chassis and Circuit Specifications

●8 All-Metal Tubes—Superheterodyne ●8 All-Metal Tubes—Superheterodyne Circuit. Triple tuned I. F. coils are used, insuring 10 Kilocycle selectivity and 5 Microvolt sensitivity. Tube types: 1-6C5, 1-6L7, 1-6K7, 2-6C7, 2-6F6, 1-5Z4. ●World-Wide Range — Continuous coverage from 17 to 565 meters. Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Amateurs. Airnlanes.

teurs. Airplanes.

teurs, Airplanes.

High Fidelity—Phase inversion Pushpull audio system for high fidelity response gives new beauty of tone, new depth of color. Assures wide tonal range.

Uniform Sensitivity over All Bands—

Five micro-volt sensitivity on every band.

●Complete Band Spread At All Times —A giant 8-inch dial with increased scale length and extremely high tuning ratio makes fine hair-line tuning possible.

●Powerful Output—Two power tubes in push-pull give more tremendous undistorted output. Power enough for a dance hall.

Full Range Tone Control — Enables adjusting the radio to receive each program at its best. Permits brilliant, mellow, or normal tone. Used also for noise reducing on Foreign Stations.

●Automatic Volume Control nates inter-station noise when tuning and counteracts fading on distant stations.

New Radio Robot Finer Foreign Reception

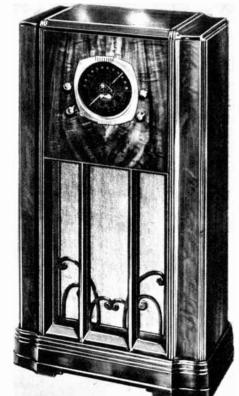
The amazing sensitivity and selectivity of this receiver insures World-Wide reception of broadcast stations from all corners of the earth. The new improved Radio Robot which makes this marvelous reception possible contains the heart of the R.F. System. This seemingly human brain is accurately aligned and balanced with laboratory precision instruments before installation in the chassis—then is again balanced to insure maximum sensitivity and selectivity on Broadcast and All Short Wave bands.

Walnut Console Model 8 Tubes

A handsome Console with all the grace and beauty that distinguishes fine furniture. The entire cabinet reveals painstaking care The entire cabinet reveals painstance and expert craftsmanship in design and The evera large baffle (15 construction. The extra large baffle (15 square feet) and perfect acoustic qualities preserve and intensify the exquisite tone quality of the huge 12" Concert Dynamic Speaker used in this Console. The attractions of the state of the control of the state of the control of the state of the control of the state of the Speaker used in this Console: The attractively figured butt walnut instrument panel is a masterpiece of exquisitely blended woods. The butterfly maple pilasters are concave and finished in a contrasting lighter shade. A striped walnut offset top and beautifully grained walnut finished sides beautifully grained wainut finished sides are in harmonious keeping with the modern trend. A lustrous elegant hand-rubbed piano finish brings out all the color and beauty of the choice woods. Rich gold silk grille cloth. Console size: 40" high, 22" wide, 11" deep.

Price Console Model

BJ10954—Complete with 8 All-Metal R.C.A. Tubes. List Price, \$89.50. Your Price...... Lots of 3. Each, \$42.95 **511**45



De Luxe SUPERHETERODYNES FOREIGN RECEPTION • TUNES 17 TO 565 METERS

★Variable Tone Control **★**Three Continuous Wave Bands ★Automatic Volume Control (A. V. C.) ★Full Powerful Pentode Amplification ★5 Microvolt Sensitivity—10 Kilocycle Selectivity ★Radio Robot-Laboratory Alignment of R. F. System ★New Designed Audio Circuit—High Fidelity Response

Supreme Radio Enjoyment

This bigger, better, more powerful 7 Tube Receiver, with its clearer tone and super-selectivity, gives you more enjoyable Short Wave and highest quality Broadcast Reception. Completely covers every type of Radio program from 17 to 565 meters. At every point on the new Giant cross-to-read dial you are assured powerful. full-toned reception. Tunes three continuous wave bands, bringing new delights, greater entertainment with powerful "World-Wide" reception of Foreign stations. Amateurs, Juplanes, and all Police Calls. The use of seven new type Genuine All-Metal Tubes operating at peak efficiency in a new Superliet Uricuit develops tremendous undistorted power. You will hear every instrument, every voice, every inflection of speech with life-like brillance of tone superlier to that provided by any other receiver in this price class. Every new feature of proven worth has been incorporated to make this the FINEST Radio Receiver.

Chassis and Circuit Specifications

- ●7 Genuine All-Metal Tubes Super-heterodyne Gircuit, Two audio stages insures high gain and ample power output. Tube types: 1-6C5, 1-6L7, 1-6K7, 1-6F6, 1-5Z4, 1-6H6, 1-6F5.
- ●World-Wide Range-3 Band continuous coverage from 17 to 565 meters. Gets Foreign and American Broadcast and Short-Wave Stations, Police Calls, Ama-teurs and Airplanes.
- ●Uniform Sensitivity Over All Bands-Five micro-volt Sensitivity on every band.
- ●Triple Tuned I.F. Coils Ten kilocycle separation between stations



namic speaker in the table model. ●Tone Control =permits either the bass or treble to be accentuated. Used also for noise reducing on Foreign Stations.

the console model and a Concert 8" Dy-

•Automatic Volume Control - Eliminates inter-station noise when tuning and counteracts fading of distant stations. Assures fine tone quality even when volume is set unusually low

Foreign Reception

Tunes three separate Wave Bands, 17 BJ10940—Com-to 51, 52 to 174 and 175 to 505 meters, plete with 8 in. A convenient switch on the front of the Speaker and 7 receiver instantly changes the facility receiver instantly changes the facilities of the set to receive either American Broadcast programs, European Short Wave Stations, or the American Amateurs and Police Calls. Thrill to the romartic music of some faraway country! Foreign Programs from all over the World at Your Finger Tips! A superb cabinet creations of the Call of th

Improved Radio Robot

Provides Uniform intensity of oscillation over the entire three bands. Permits replacement of tubes in this circuit without effecting the alignment of the circuit. Sharper tuning, Clearer tone

Large 40" High Console 7 Tubes

A handsome Console with all the grace and beauty that distinguishes fine furniture. The entire cabinet reveals painstaking care in design and construction. The extra large baffle and perfect acoustic qualities pre-serve and intensify the exquisite tone qual-ity of this Receiver. Center instrument panel of gorgeously figured stump Walnut. Top is of attractively grained American Walnut. The gracefully curved Walnut pilasters and grille columns are finished in a contrasting darker shade. Walnut finished A lustrous elegant hand-rubbed piano of the natural wood grains. Console size: 40" high. 22" wide. 11" deep.

Price Console Model

BJ10942 — Complete with 7 Genuine All-Metal R. C. A. Tubes. List Price, \$77.50, fs Your Price, Lots of 3. Each, \$38,56



New Fully Illuminated Mrpla Dial with 3 bands, each color in distinctive Red, Green a White, 17 to 51, 52 to 174, 175 565 Meters (530 to 18 000 Ke accurately calibrated in kilocycland megacycles, and "Indexed



Price Table Model

plete with 8 in. Speaker and 7 All-Metal Tubes List Price, \$54.50. Your Price

Walnut Table Cabinet

A superb cabinet creation! Top and sides are a beautiful shade of medium Walnut tore, with the front face of beautifully figured Burl Walnut in a contrasting lighter shade. Rich Justrous hand-jubbed finish. figured Bure vacamashade. Rich lustrous hand-rubbed musa. This large Cubinet is of solid construction and provides ample baffle area. Dimensions: 181," high, 131," wide, 9" deep.

Chassis Price

with 12" Concert Grand Speaker BJ10941—Complete with Seven Gen-uine All-Metal R. C. A. Tubes and a Concert Grand 12" Dynamic Speaker (illustrated). Escutcheon, Dial Assembly and Knobs. Chassis dimensions: 1115





World Radio History

World Wide Superheterodyne!



Walnut **Table Model**

BJ10943—Complete with R.C.A. Tubes

List Price, \$55,50. \$7175

Your Price Lots of 3.... Each, \$20.95

Beautiful Cabinet

This DeLuxe Table Model Cabinet is made This DeLuxe Table Model Cabinet is made of carefully selected thick substantial walnut veneers, finely grained and expertly matched, combining quality with beauty, modern style and solid substantial construction. The front panel is of gorgeously figured stump walnut with genuine marquetry inlay. Streamlined overlay on top and front adds grace and charm. Selected walnut finished sides in a contrasting darker shade. Fine quality lacquer finish, handrubbed to a lustrous soft brown walnut shade. Cabinet Size: 15½" high, 12½" wide, 8" deep. A fine quality 6" Dynamic Speaker is used in this large full sized Table Model Receiver.

Powerful Output

A 42 Pentode Output Tube feeding into a full size Dynamic Speaker insures fine clear tone and excellent volume over the entire musical range. Variable Tone Control permits tonal pitch to be changed to vidual tastes or acoustical requirements.

Eight Tube Performance

A new 6 Tube A.C. Receiver incorporating all the latest modern radio improvements including two genuine Metal Tubes. Through the use of Dual-purpose tubes this set develops the efficiency of the average 8 tube of the enciency of the average 8 tible set and actually outperforms the 10 tube sets of three and four years ago. Your customers will be quick to buy this marvelous new Radio when they see all of its many advantages. Long Range Broadcast reception. Short Wave, Police Calls, Amateurs, at their finger tips— Police Calls, Amateurs, at their finger tips—clear reception, beautiful tone, attractive appearance, unmatched low price—of course your customers will want this Super-Value.

Superhet Circuit

Superhet Circuit
The New Advanced Superhet Circuit with
II Tuned Circuits, coupled with a 3 Gang
Rubber-Mounted Tuning Condenser, High
Gain Litz-Wound LF. Colls, and a PreSelector Stage affords Super-Sensitivity and
Selectivity on both Broadcast and Short Wave.
Illuminated Airplane Dial—vernier ratio—

name self-reading station index system new self-reading station index system—easy to tune. A husky full size Dynamic Speaker operating in a High Fidelity Audio Circuit gives sweet and natural tone over the control gives sweet and natural tone over the entire addio frequency range. Improved Automatic Volume Control enables you to retain constant volume. Minimizes fading on even the most distant stations. Tubes are: 1-6A7, 1-6D6, 1-42, 1-80, and two new metal tubes, types 6H6 and 6F5. Two dual purpose tubes.

Rugged Chassis

Strong, rigid, durable fully shielded Chassis constructed of highest quality parts. The Transformers, condensers and resistors are all designed to withstand heavy overloads. New special pie wound litz I.F. coils. Full floating, rubber-mounted agang tuning condenser. Chassis size: 1034" x758"x6". Perfect alignment of all parts.

Chassis Price

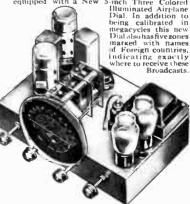
BJ10944—Chassis Complete with R.C.A. Speaker. Dial Assembly, Knobs and Escutcheon are included. BJ10946—List Price, \$65.00. Complete with R.C.A.Tubes \$2975 Your Price

Lots of 3 . . . Each . \$28.86

The Walnut Console is fitted with an 8" super Dynamic Speaker. This larger speaker mounted on a larger baffle gives truer, more life-like tone. Here you have a fine quality Receiver and a full size Cabinet at the lowest price. The instrument panel is of beautifully blended butt walnut flanked by columns of cross striped walnut. Gracefully curved walnut plasters and American Walnut flanked by columns of cross striped walnut. curved walnut pilasters and American Wal-nut top. Sides are Walnut finished in a darker shade. All the beanty of the ex-quisite grain of these choice woods is retained in the soft brown hand-rubbed finish. Size: 36" high, 20" wide, 10" deep.

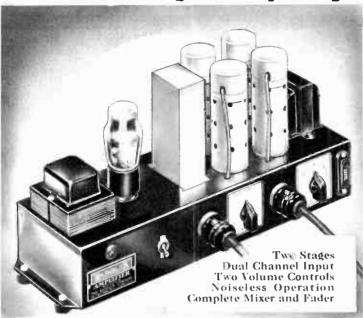
Foreign Reception

Tunes 3 Bands—17 to 51—52 to 174—175 to 505 Meters. Gets Foreign Broadcasts, Amateurs, Airplanes and Ships. Long Range Reception on Broadcast and all Police Bands. Both the Table and Console Model are equipped with a New 5-inch Three Colored Illuminated Airplane Dial. In addition to being calibrated in measureles this new



RADOLEK MICROPHONE PRE-AMPLIFIERS

For Modernizing and Improving Old Public Address Systems



Prices of Dual Channel Pre-Amplifier

PRICE

Dual Channel Pre-Amplifier, Fac-tory Wired, Laboratory Tested In-structions Included, Complete as described, Less Tubes.

J10040 List Price. \$44.00.

YOUR

Complete as described, with Five Sylvania or Raytheon Matched Tubes. 2-75's, 2-6D6's, and 1-80.

J10041 List Price, \$48,90. With Five Tubes. YOUR

Completely A. C. Operated For 105-120 Volt 50-60 Cycle A. C.

Modernize Your Sound System With Crystal Or Velocity Mikes!

Improve the performance of your Amplifier! Crystal and Velocity Microphones provide a clarity of tone and a high fidelity response that is far superior to that obtained from the old Carbon Microphones. Take advantage of this clearer tone, life-like reproduction, inobtained from the old Carbon Microphones, Take advantage of this clearer tone, life-like reproduction, increased sensitivity and greater power afforded by the new Crystal and Velocity Microphones by adding one of these Radolek Microphone Pre-Amplifiers to your present installation. Amplifiers that were designed for Carbon Microphones do not as a rule have the necessary amount of amplification needed to satisfactorily operate Crystal or Velocity Mikes. These Radolek Pre-Amplifiers, when coupled to your amplifier will supply the additional gain that is needed, enabling you to utilize the greater advantages of Crystal or Velocity Mikes. Radolek Pre-Amplifiers are fully A.C. operated. Compact in Size, Single Unit Construction and can be operated 5 to 2000 fret away from main Amplifier. Crystal or High Impedance Velocity Microphones can be connected direct to Pre-Amplifier without use of any compling transformers. Plug-In Outputs and Imputs simplify connections. Output Transformer mounted on Chassis has 500 and 200 offin taps for line connections of over 25 feet to main Amplifier. High impedance output connection is provided for use when pre-Amplifier is used within 25 feet of main Amplifier. High impedance output connection is provided for use when pre-Amplifier is used within 25 feet of main Amplifier. MI tube noises, A.C. hum, motorboating and oscillation troubles have been eliminated.

Use Dual Channel Pre-Amplifier For Two Mikes and Phono or Radio

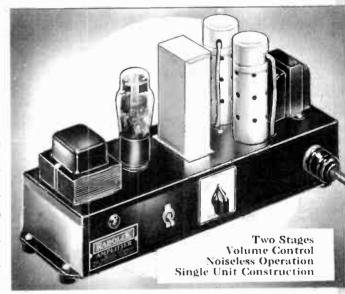
Two Input Channels 5 Tubes Two Crystal or Velocity Microphones can be amplified through this unit. Will also amplify Phonograph or Radio in conjunction with one of the Microphones. Two Microphones or one Microphone and Phono or Radio can be used at the same time and mixed or faded into each other in any proportion. First control, controls volume on one Microphone.—Second control on one half of its revolution, controls volume on second microphone and on the other half controls volume on radio or phono-graph. Microphone is amplified through two stages, phono-graph through one. This feature gives added phonograph amplification to overcome line losses

Characteristics and Specifications For Single and Dual Channel Pre-Amplifier

- 1. Completely A.C. Operated 105-120 volts 50-60 cycle.
- Single Channel Model Uses 1-75, 1-6D6, 1-80 tubes.
 Dual Channel Model Uses 2-75's, 2-6D6's, 1-80 tubes.
- 4, 65 D.B. Gain at 1000 Cycles. Two Stages.
- 5. Frequency Characteristic curve flat within 1 D.B. from 40 to 12,000 cycles.
- 6. Dual Channel Model has High Impedance Input. For two Microphones and Phonograph or Radio.
- 7. Single Channel Model has High Impedance Input for one Microphone only.
 - 8. Separate Volume Control for each channel.
- 9. Complete Mixing and Fading System on Dual Channel Model.
 - 10. Etched metal indicating plate under each Control.
- 11. Output Impedance 200, 500 and 100,000 ohms for line or grid connections. 12. Plug-in Inputs and Plug-in Output.
- 13. Hum level only ,1 of 1% when amplified through regular 3-stage Amplifier.
- 14. Power Consumption 27 Watts for Dual Channel. 25 Watts Single Channel.
 - 15. Power supply required 105-120 Volts 50-60 cycle A.C
- 16. Eight-foot super service power connection Cord with unbreakable rubber attaching Plug. 17. Ruby Pilot Light indicates when current is on.
 - 18. Bottom Protecting Plate with four rubber feet entirely
 - 19. Rich Baked-on Black enameled finish.
 - 20. Overall height 714", base width 578", length 16". 21. Net weight 7 lbs. Shipping weight 10 lbs.

Use Single Channel Pre-Amplifier For One Crystal or Velocity Microphone

Same general construction as Dual Channel Unit excepting that it has only One Channel. While the Dual Channel Unit is the better investment in that it provides for expansion, there are many installations using only one microphone for which this unit will be well suited. Does not have mixer and fader, but does have volume control for microphone.



Prices of Single Channel Pre-Amplifier

Single Channel Pre-Amplifier. Factory Wired. Full instructions are included. Complete as described. Less Tubes.

J10010 List Price YOUR PRICE

Complete as described, with Three Sylvania or Raytheon M Tubes, 1-75, 1-6D6, and 1-80.

J10011 List Price, \$36.00. With Three Tubes.

20 WATT **MOBILE**

Sound Truck

AMPLIFIER

6 Volt Battery Operated

Features: • For Crystal or Carbon Microphones Plug-In Connections Microphone Volume Control Phono-Radio Volume Control Complete Mixer and Fader Tone Control Completely Self Contained Built-In "B" Supply Genemotor Noiseless Operation Easily Installed Separate Switch for Filament and "B" Supply.

Easy On The Battery Fits Any Car or Truck

A powerful 20-Watt clear-toned Mobile Public Address System designed specially for passenger car or truck Sound Advertising. Operates directly from a 6-volt Storage Battery, without any extra attachments or power packs of any kind. Two wires to 6-volt Storage Battery are the only power connections necessary for the entire system. Plate current is supplied by a compact, highly efficient bullt-in Genemotor. Incorporates the new low-drain Class B Audio Tubes-6A6's—which are the most efficient and economical to operate for this type of amplifier. Features a Remote Control Unit that can be mounted on the steering column. Has the "sock" of a super powerful A.C. type system. . . . Delivers tremendous volume with rich life-like tone . . . and it's easy on the battery.

For Crystal or Carbon Microphones

For Crystal or Carbon Microphones

Extremely High Gain of 115 db. allows the use of either Crystal Microphone or Double Button Carbon Microphone. The Built-in Electronic Mixing System carries Separate Volume Controls for microphone and phono or radio, periniting blending and mixing of voice or music as desired. Also includes Tone Control and Dual "On-Off" Switches. Microphone Transformer and Current Supply for Carbon Microphone are built in.... No extra batteries needed. Polarized receptacles are provided for plugging in microphone, speakers, and "A" cable. Speaker Voice coil and field coil connections are brought out to two plug-in sockets on front of classis. Speakers obtain field supply direct from storage battery (11, amps for each speaker). One or two Speakers can be used as desired without changing wiring of Amplifier. Complete Amplifier can be installed or disconnected in only a few minutes. Complete instructions are included.

SPECIFICATIONS

1. 20 Watts Undistorted Power Output to speaker voice coils.

2. Four Stages with Six Tubes; 1-75, 1-6A6, 2-76's, 2-6A6's.

- 3. Approximately 115 D.B. Gain.
- 4. Frequency Characteristic Curve Flat within 2 D.B. from 40 to 10,000
- 5. Only .006 volts Input required to obtain maximum output
- 6. Plug-in Inputs and Outputs.
- 7. Input connections for Crystal or Double Button Carbon Microphone and Phonograph or Radio.
- 8. Built-in Button Current for Carbon Mike.
- 9. Volume Control for Mike.
- 10. Volume Control for Phono-
- 11. Remote Control Unit containing volume controls can be mounted on steering gear, front of dash or left on Amplifier.
 - 12. Complete Mixer and Fader.
 - 13. Tone Control.
- 14. Output Transformer provides voice coil connections for two speakers.
- 15. Two Pilot Lights indicate when
- 16. Two switches; one controls filaments, the other controls "B" Generator and speaker fields.
 - 17. Power supply 6 volts, 12 amps.
 - 18. Easily renewable glass fuse.
- Parts and Tubes entirely en-closed providing electrical shielding and mechanical protection.
- 20. Entire unit finished in Rich Baked-on Black Enamel.
 - 21. Size: 123/2" lgth., 8" h. 7" dp.

Equipment Included

1. One Diaphragm Type Crystal Hand Microphone with "push-to-talk"

Switch.

2. 20-Watt High Gain Battery
Operated Amplifier Complete with
Input Control Unit, Remote Volume
Control Unit, and "B" Supply Gen-

Input Control Ont. Remote volume Control Unit, and "B" Supply Generator—all mounted in one case.

3. Complete Set of Six Matched Sylvania or Raytheon Tubes including 1-75, 3-6A6's, and 2-76's.

4. Two Finest Quality 12.5" D.C. Dynamic Speakers, 4 ohm fields olitain field supply from 6-volt battery, 5. Two 3-Ply Veneer Weatherproof Baffies for above speakers.

6. 20 feet of four wire rubber covered cable and non-breakable plug attached to each speaker.

7. 10 feet of shielded rubber covered cable and non-breakable plug for microphone.

microphone. **Prices**

of Complete System

J10064 — Complete System as described except with one Speaker and one Trumpet.
List Price, \$152.00. YOUR PRICE....

0063 - Complete System as de-ribed with two Speakers and two J10063 scribed was List Price, \$190.70. YOUR PRICE.

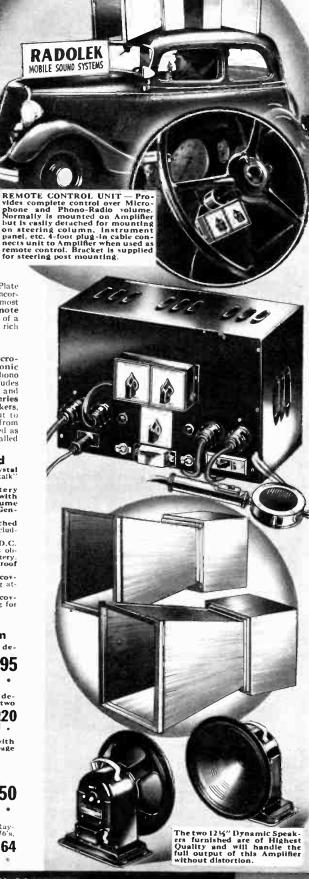
Phonograph suitable for use with this Amplifier is described on page 105 under stock number J10711.

Amplifier Only

J10061 — Amplifier only with built-in "B" Generator but \$ less tubes. List Price, \$80.00. YOUR PRICE....

J10062-With Six Sylvania or Ray-theon matched tubes, 1-75, 2-76's, 3-6A6's.

List Price, \$87.00. YOUR PRICE ..





Increase The Rower of Your Amplifier

with this AMPLIFIER

"Booster" STAGE

FOR MAMMOTH SOUND INSTALLATIONS

For 105-120 Volts 50-60 Cycle A .C. Operation Amplifier Features

★Improved Class "A" Prime ★One Stage ★Push-pull 845's ★ Time Delay Switch ★500 Ohm Input ★200-500 Ohm Output ★Four Tubes ★ Hum Free Operation ★20 Watt Speaker Field Supply

Price of 60 Watt Amplifier Booster Stage

J10030 — Factory wired, laboratory tested. Without Tubes.
List Price, \$115.00.
YOUR
PRICE. \$ 100

For Huge Sound Coverage! Covers An Indoor Audience of Up To 30,000 People Covers Outdoor Areas From 40,000 to 80,000 Square Feet

True-Toned Super Power

This new Radolek High-Powered 60 Watt Booster Stage offers an inexpensive and satisfactory method of increasing the power output of your present equipment to 60 Watts — more than sufficient for the largest indoor stadium and ample for the majority of mammoth outdoor installations—Such as Aviation Fields, Fairs. Large Athletic Fields, Stadiums, Political Conventions, Race Tracks and wherever large coverage must be obtained or a great mumber of speakers used. At full output sufficient power is developed so that with proper distribution of speakers an indoor audience of as great as 30,000 people can be covered, or will cover outdoor areas of from 40,000 to 80,000 square feet. The exact coverage depending upon the prevailing noise levels. Supplies sufficient power to actuate voice coils of 8 giant auditorium dynamic speakers. 30 average sized dynamic speakers or up to 200 magnetic speakers or any proportionate combination of any of these.

500 Ohm Input Impedance

Can be used with any Audio amplifier having 2 or more stages and an undistorted output of 8 watts or more and having output tap of 500 ohms. We particularly recommend out 15-watt amplifier as a driver. (described on pages 116 and 117), the 8-Watt. 18-Watt crystal, 15-Watt carbon or 40-Watt crystal amplifier can also be used a the driver. Any type of Input can be used depending upon the driver amplifier used. Speaker field supply is 20 watts across 2000 ohms, split into 2-1000 ohms tapps of 10 watts each. Speaker field power supply for additional speakers must be obtained from external power source. Output is 500 ohms tapped at 200 ohms. Either dynamic cone speakers or dynamic horn units can be used with line to voice coil matching transformer at speaker.

Scientifically Engineered

Do not confuse this amplifier with other units using smaller tubes and contending to give as great an output. The only practical method to date of obtaining a good clean 60 watt output without distortion and with true class "A" amplification is by use of large tubes such as the two 845 Power Amplifier Tubes used in this Amplifier. The use of 8-250's or 8-2A3's is cumbersome, liable to trouble, and is all around poor engineering practice.

Trouble-Free Operation

Two separate transformers are used in power supply, one has two secondaries supplying filament voltage to power and rectifier tubes, the other transformer has a high voltage secoudary for plate supply. Double Time Delay Switch is used. When switch is depressed filaments light and are allowed to heat properly. When filaments reach correct temperature voltage is applied to plates by second switch which has time lag behind first switch. This offers protection to tubes preventing burnouts. In addition both transformer primaries are Fused as is also high voltage plate line offering further protection to tubes, power transformers and filter condensers. Paper Dielectric Filter Condensers are used as electrolytics are troublesome and generally unsatisfactory for use at such high voltages. All parts are mounted on a strong rigid 16 gauge steel chassis finished in smooth baked black enamel. Component parts are of ample rating and of best quality insuring a long and efficient life to amplifier. Ample Ventilation keeps operating temperature at lowest point for most efficient operation. Layout of parts and efficient shielding of transformers and other important components has reduced hum so low that it is negligible. A schematic hookup is furnished giving all voltages and values of parts.

Amplifier Specifications

1. 60 Watts Class A "Undistorted" Power Output to speakers.

 Supplies 20 watts for 2-1000 ohm field coils. (enough field supply for two large dynamic speakers or for two Racon horn mits). Connections provided for one or two separate fields.

3. One Stage with Four Tubes. 2-845's push-pull. 2-866 rectifiers.

4. 12 D.B. Gain at 1000 cycles.

5. Flat frequency characteristic curve within 1 D.B. from 40 C.P.S. to 9000 C.P.S. 6. Input Impedance 500 ohms for direct

 Input Impedance 500 ohms for direct connection from 500 ohm output of Radolek 8, 15, 18, 30 or 40 watt amplifiers.

7. Output Impedance 500 ohm tapped at 200 ohms.

8. Automatic Time Delay On-Off Switch for protection of tubes.

63 volts Input required to obtainfull output.
 10. Hum Practically Inaudible 12 inches from speaker with full power.

11. Power consumption 300 watts.

12. Power supply required 105-120 volts 50-60 cycle A.C.

13. Six-foot super service power connection Cord with unbreakable rubber attaching Plug. 14. Renewable Glass Fuse in power supply and in electrodically.

and in plate circuit.

15. Bottom Protecting Plate with four rubber feet entirely encloses base.

Ample provision for Ventilation.
 Rich baked-on black enameled finish.

 Rich baked-on black enameled finish.
 Overall height 43". base width 12½", length 17", height 4½"

19. Net weight 48 lbs., shipping weight 60 lbs.

Easy To Install

Installation is simple, easy and fast. Connections are conveniently made to plainly marked Binding Post Strips. BIAS CLASS "A" PRIME

ADDRESS Amplilier

FOR ALL GIANT SPORTING EVENTS, DANCES, ETC.

POWERFUL SOUND SYSTEM

Uses 1 TO 4 CRYSTAL OR VELOCITY MIKES

40-Watt High Gain P. A. System **Complete Equipment Includes:**

Two Microphones: Diaphraum Crystal, Sound Cell Crystal, or Velocity, as desired.

2. Two Adjustable Floor Stands with extra heavy base provide a solid support for Microphones, May

base provide a solid support for Micropiones. May be extended up to 67½ inches.

3. 40-Watt, 5-Stage High Gain Fixed Bias Crystal Amplificar provides amplification for microphones.

4. Set of Twelve Matched Sylvania or Raytheon Tubes are used including 2-75's, 2-6C6's, 1-6A6, 142 4 24 2's 1.83 1.80

1-42, 4-2A 3's, 1-83, 1-80.
5. Three 12½-inch Finest Quality Auditorium type Speakers using 1000 ohm fields and 1000 ohm line matching transformers.

6. Three Flare type Baffles provide proper baffling.
7. Fifty feet of heavy duty rubber-covered shielded cable with unbreakable shielded polarized

connecting plug is furnished for each microphone.

8. Fifty feet of heavy duty rubber-covered cable with polarized plug connected to each speaker.

Price of 40 Watt **Public Address System**

System as listed above, complete with two diaphragm type High Quality Crystal Microphones J10046—List Price, \$300.00 YOUR PRICE

System as listed above, complete with 2 Brush B2S Sound-cell Crystal Microphones. See page 116.

J10060 List Price, \$345.00 YOUR PRICE

System as listed above, complete with two RB-H Amperite Velocity Microphones. Connect direct to Amplifier without use of coupling Transformers, J10059—List Price, \$340.00

YOUR PRICE

Amplifier Specifications

1. 40 Watts Undistorted Power Output to Speaker voice coils; up to 60 Watts can be obtained on peaks). Fixed bias, class "A" Prime.

2. Five Stages, Twelve Tubes: 2-75's, 2-6C6's, 1-6A6 tube, 1-42, 4-2A3's, 1-83 and 1-80.
3. Supplies 35 Watts for 1000 and 1500 ohm Field Coils; for three large dynamic speakers).

4. 135 D.B. gain at 1000 cycles.

Flat Frequency Characteristic Curve within
 D.B. from 40 to 9000 cycles.
 Input Connections for four Crystal or Vel-

ocity Microphones and Phono Pickup or Radio through five sockets or 8 terminal binding post strip.

7. Separate Volume Control with etched metal

indicating plate for each input.

8. Master Volume Control. 9. Separate Tone Control for each input.

10. Master Hi-Lo Tone Control and Power Switch

11. Output Impedance tapped at 3, 6, 12, 18, 250, 500 and 1000 ohms. Connections to bakelite strip.

12. Three Sockets for Plug Connection of 1, 2. or 3 dynamic speakers as desired without change of wiring.

13. Only .002 volts Input Signal required to obtain maximum output. 14. Hum level less than two-tenths of 1%

of total output. 15. Power supply 105-120 volts, 50-60 cycle A.C.

16. Power consumption 185 Watts.

17. Ten-foot super service power connection Cord. 18. Easily Renewable Plug Fuse in power supply.

19. Ample provision for ventilation.

 Rich baked on black enameled finish.
 Overall Height 11". Base width 11½". Length 241/2"

22. Net weight 46 s. Shipping weight ihs.



Provides perfect mechanical protec-tion and allows ample ventilation. Heavy sheet metal perforated. Black enameled.
PA 10047 List Price,

YOUR PRICE.....\$2.65



Carrying Case

In three sections for transportation of Amplifier, Microphones, Stands and Cable. Finest Quality, Sturdily constructed of solid plywood covered with durable black fabrikoid.

P.A. 10032—List Price, \$16.75.

\$9.85 YOUR PRICE.....



RADOLEK HI GAIN FIXED

De Luxe PUBLIC

GIANT AMPLIFIER SUPPLYING GIANT POWER

OUR LARGEST · MOST

FOR 105-120 VOLT, 50-60 CYCLE A. C.

Will Give Super Performance in Installations Such as: *Large Auditoriums *Large Dance Halls *Stadiums **★Race Tracks ★Airports ★Multi-Speaker Installations**

Finer Than the Finest

New! Complete! Better! The "top"! The supreme performer of the 40-Watt class. Powerful performance, realistic, true tone and long dependable service ... at a reasonable price. Years ahead in engineering construction and principles. Specially engineering construction and principles. Specially designed for use where an extra large amount of power or coverage is required. Perfect tone reproduction and super-power landling capacity make this the ideal Public Address System for Huge Crowds—Large Auditoriums — Athletic Fields—Dance Halls — Airports — Race tracks — Multi-Speaker Installations—and hundreds of other uses. Speaker Installations—and hundreds of other uses. Designed, manufactured and tested in our own plant... every detail carefully handled by a qualified Sound Engineer... this amplifier can be depended upon to out-perform any other 40-Watt System. The "Top" in performance.

Huge Coverage

Huge Coverage
40 Watts Undistorted Power supplies easily understool voice and music to an indoor audience of from 10,000 to 20,000 people or over an outdoor area of from 30,000 to 50,000 square feet. 60 Watts Peak Power — Four Microphones Input — Phono Radio Input — Complete Mixing and Fadung — Positive Volume Control—Perfect Tone Control—Field Supply for Three Giant Speakers—Complete Output Selection—Volume Level Indicator—Preamplifier for Crystal or Velocity Microphones—All combined in one perfectly functioning unit that is built to stand up under the most severe conditions. Each component part is "top" quality from the full welded hard baked enamel finished chassis to the cool operating oversize power transformer. the cool operating oversize power transformer.

135 db. Gain

Permits Microphones to be placed at long distances from Amplifier. Up to 200 feet of Cable with Crystal Microphones or up to 100 feet of Cable with High Impedance Velocity Microphones can be used and the full output of 40 Watts (60 Watt Peaks) will still be retained.

Ruggedly Built

Construction throughout is exceptionally rugged and all components are considerably oversize to withstand continuous usage even under the most severe conditions.

A Complete Amplifier

No extra equipment to buy. A Built-in Input Control Unit and Preamplifier, Complete Mixer and Fader, Main Amplifier, Output Level In-dicator and Output Transformer all mounted on the same strong steel base. Chassis and all transformers are finished in rich baked on black enamel. Etched metal indicating plates under all controls, Layout of component parts insures highest controls, Layout of component parts insures highest efficiency—Ample ventilation keeps operating temperature at lowest point. All transformers, chokes, main filter condensers and voltage amplifier tubes are fully and separately shielded. The BUILT-IN MINER permits the mixing or fading of two microphones, phono or radio. Separate Volume Control for each input. THREE CHANNEL INPUT. for use with two or four Crystal or High Impedance Velocity Mikes.

Hi-Lo Tone Control

Either low or high frequencies can be attenuated as desired. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of speaker, singer, orchestra, and hall. Accentuating the highs makes speakers voices far easier to understand. Cutting down the bass will often provide highly satisfactory reproduction in halls where ordinarily, unfavorable acoustics build bass so strong that voices are nearly undistinguishable. Individual Tone Controls allow perfect tonal adjustment for each individual miperfect tonal adjustment for each individual mi-crophone. Three separate controls provide com-plete and perfect regulation of volume for all in-puts. Individual volume Control is supplied for each of the two channels. A Master Volume Control simplifies overall volume regulation.

Price of 40 Watt High Gain AMPLIFIER Only J10048—Factory wired. Laboratory tested. Less

tubes. List Price **59**53 List Price. \$112.50.
YOUR PRICE

J10049—With Twelve Sylvania or Raytheon Matched Tubes, including 2-75's, 2-6C6's, 1-6A6, 1-42, 4-2A3's, 1-83, 1-80. List Price, \$126.50. YOUR PRICE



Selective Output

Plug-in Field and Output connections are brought out to 3 plug-in sockets which are so wired that one, two, or three speakers can be used as desired without necessitating any changes in witing. Connections are brought out to binding post strip with Tays provided for connection of speaker voice coil impedances of 3, 6, 12 and 18 ohms and line impedances of 250, 500 and 1000 ohms. 3 taps are incorporated in speaker field supply system so that 2-1000 and 1-1500 ohm field speakers can be supplied with 10 Watts of power in 2 fields and 15 Watts in the other. Many other field power combinations are possible.



Crystal Microphones
Type Crystal Microphones
T

HI GAIN CLASS "A" PRIME

ADDRESS System

for Velocity Microphone Recommended for All Large Installations

Suitable for use where an extra large amount of power or coverage is required. For Large Dance Halls Fairs and Tent Shows Large Auditoriums Stadiums and Armories-Convention Halls-Athletic Fields-Ball Parks-Race Tracks-Large Sound Trucks and Skating Rinks -this is an ideal system for permanent installation. Will increase the entertainment value of any event.

30 Watt Hi-Gain P.A. System **Complete Equipment Includes:**

1, 4-Stage, 30-Watt Power Amplifier incorporating Input Control Unit with Microphone Volume Control, Phono-Radio Volume Control, and Hi-Lo Tone Control.

Diaphragm Type Crystal Microphone gives excellent results on either voice or music.
 Fully Adjustable Microphone Floor Stand

3. Fully Adjustable Microphone Floor Stand allows microphone to be used at 2634 in, height on table or up to 6755 in, height on floor.

4. Set of Eight Matched Sylvania or Raytheon Tubes including 1-57, 2-538, 4-2A38, 1-83,

5. Two Auditorium Type Highest Quality 121/7 D.C. Dynamic Speakers. Equipped with 1000 ohm fields and line matching transformers or match entone of amplifier.

to match output of amplifier.

6. 50 feet of Fine Quality Shielded Rubber Cavered Crystal Microphone Cable.

7. 100 feet of Fine Quality 4-Wire Heavy Duty Rubber Covered Cable to connect speakers.

Price of 30 Watt P.A. System Complete Ready to Install

30 Watt System complete as described above. J10688 List Price, \$174.50. **\$00**25

YOUR PRICE

For Permanent Installations

YOUR PRICE ...

For Portable Use

Complete as above, but including instead of Baffles the Split Speaker Carrying Case, described on page 105 under stock number J-10486. Amplifier Carrying ase and 3-section Microphone Stand. All equipment will fit into the two cases furnished.

J10691 -List Price, \$202.00. YOUR PRICE.

For Velocity Microphone

High Impedance Velocity-Ribbon Microphone can be used in above Systems instead of Crystal Mike without any changes. We suggest the Radolek Model V2 as described on page 101. If this Mike is desired so state on order and allow \$7.35 additional to your order.

Amplifier Characteristics and Specifications

1. 30 Watts Undistorted Power Output to speaker voice coils.

2. Supplies 30 waft Speaker Field Current for three large 1000 ohm field dynamics. Connections brought out to bakelite binding post strip and the 3 plus-in output sockets. Either can be used as desired.

3. Four Stages with Eight Tubes—57 resistance coupled to '53 resistance coupled to '53 transformer coupled to four 2A3's in parallel pushpull 83 rectifier

4. 130 db. Gain at 1000 cycles.

5. Practically Flat Frequency Response within 1 db. from 40 to 9000 cycles.

6. Input for Crystal or High Impedance Velocity Microphone and Phonograph or Radio. Crystal mike can be used up to 150 feet. Velocity mike up to 75 teet from amplifier without intermediate coupling transformer or Pre-Amplifier.

7. Plug-in Input and Output.

8. Separate Volume Control for Microphone and Separate Volume Control for Phonograph or Radio. 9. Complete Mixing and Fading System.

10. HI-LO TONE CONTROL and on-off switch C combined.

11. Etched Metal Indicating Plates under each

12. Selective Output Impedances Tapped at 3, 6, 9, 15, and 500 olims. Connections brought out to bakelite binding post strip, and the 3 plug-in output sockets. Bither can be used as desired.

13. Only .003 volts Input Signal Required to obtain maximum output

14. Extra-ordinary Low Hum level -- .1 of 1% of total output.

15. Power Consumption -180 watts

16. Power Supply required-105-120 volts, 50-60 cycle A.C

17. Ruby Pilot Light Indicates when Power is on.

18. Ten-foot super service Rubber Covered power connection cord with unbreakable rubber attaching plug.

19. Easily Accessible Renewable Fuse in power

20. Bottom Protecting Plate with four rubber

feet entirely encloses base.

21. Ample provision for Ventilation.

22. Rich baked-on Black Enameled Finish.

23. Overall height 852"; base width 9", length height 23/4

24. Net weight 32 lbs. Shipping weight 50 lbs.



In three sections for transportation of Amplifier, Microphone Stand and Cables. Finest Quality. Sturdy con-struction, Covered with durable Black Cabrikoid

J10035 List Price, \$15,00, YOUR PRICE

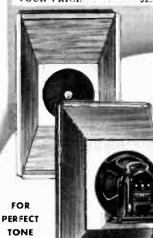
\$7.95



Installation Shield

Provides perfect mechanical protec-tion and allows ample ventilation. Strong rigid steel, hnished in black baked enamel

110687 List Price, \$4,50. YOUR PRICE.



Flare Type Speaker Baffles

unushed for use on permanent installations. Particularly designed to project sound over long distances. Will give efficient reproduction in conjunction with speakers (urrushed See pake 107 for detailed description

Powerful Speakers

30 Watt Speaker Field Supply Pive Tap Output Polarized sockets provide plug-

in connections for from one to three speakers. Selective Out-put Impedances; 3, 6, 9 and 15 ohms for speaker Voice Coils; 500 ohm for long lines or mag-netic workers on the contractions. netic speaker connections. Speaker field supply provides 30 watts; sufficient for 3 Auditorium Type Speakers with 1000 ohm fields. This current is sufficient for operating up to eight 12" Standard Dynamic Speakers. The Speakers supplied with this system are highest quality, guaranteed to give finest reproduction.



RADOLEK AC OPERATED

5 in 1 PUBLIC

for Crystal Microphones

1-Pre-Amplifier. 2-Built-in Mixer, 3-Power Amplifier. 4—Speaker Field Supply. 5—Tapped Output Transformer. All Five Units Self-Contained In One Single Chassis

An Ideal 30-Watt Sound Amplifying System for use in Large Auditoriums, Large Churches, Athletic Fields, Fairs, etc. Will provide adequate coverage for indoor audiences of up to 15,000 people or an outdoor area of up to 35,000 square feet.

Advanced Engineering

A 30-Watt Hi-Gain, High Fidelity Public Address Amplifier combining a Crystal or Velocity Microphone Preamplifier — Mixer and Fader — 30-Watt Speaker Field Supply—Tapped Output Transformer—and Power Amplifier, all in one self-contained unit. This combination of features is not found in any other 30-Watt Amplifier at this low money-saving price. Built up to a high standard of quality, this Amplifier incorporates every feature for completeness and simple operation. Carefully note the following outstanding features that Radolek offers you in this advanced Amplifier.

Four Stages Of Amplification

Gives the extraordinarily **High Gain of 130 db**. Diaphragm or Cell type Crystal or High Impedance Velocity Microphone will operate Amplifier at full undistorted 30 Watts power output without addition of intermediate coupling transformers or pre-amplifiers. Double Button Carbon Microphone or Low Impedance Velocity Microphone can be used with this Amplifier through Microphone or Line to Grid transformer. Quickly and easily installed.

Two Channel Input

For Crystal, or Velocity Microphones and Phonograph or Radio: Input connections are through two plug-in sockets. One for Phonograph or Radio and one for Microphone. One Volume control regulates volume for Phonograph one. Separate control regulates volume for Phonograph

Complete Mixer and Fader



High Fidelity

Gives faithful reproduction of voice or music. The new Radolek Hi-Lo Tone Control accentuates either low or high notes. This feature which is an exclusive Radolek or high notes. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of Public Speaker, Singer, Orchestra and Hall. Accentuating the high makes speaker voices far easier to understand. Cutting down the bass will often provide highly satisfactory reproduction in halls where ordinarily, unfavorable acoustics build up bass so strong that voices are muffled and nearly indistinguishable.

Easy To install

Installation is simple, easy and fast. All connections are through Plugs and Sockets. You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. All that is necessary is to place Microphone and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt. 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. Comes complete with all instructions at that the second control of the second cont plete with all instructions so that anyone can make an efficient and satisfactory Sound installation.

Prices of 30 Watt AMPLIFIER Only

J10685 Factory Wired. Laboratory Tested. Less Tubes. List Price, \$75,00, \$ 50 YOUR PRICE

J10686—With eight Sylvania or Raytheon matched tubes, 1-57, 2-53's, 4-2A3's, 1-83.
List Price, \$85.00. YOUR PRICE.....

New Type Stoping Panel

New Type Sloping Panel
Another New Exclusive Radolek Development . . . THE SLOPING PANEL . . . affording 1937 styling and professional appearance far superior to any other line of Amplifiers. This New Sloping Panel is finished in a lustrous baked-on black enamel in harmony with the rest of the chassis. The Control Indicator Plates are of frosted silver finish with bold black etched numerals. Knobs are the new style Bar Type. Radolek Amplifiers are the "top" in modern design and styling You will be proud of your Radolek Amplifier.

For 105-120 Volt 50-60 cycle

A.C.

Simple To Operate

Anyone can operate this amplifier immediately . . . you don't have to be an engineer or sound expert. Only Three Controls are used. Etched Metal Indicating Plates under each control, plainly identify their use. All connections quickly made through plugs inserted into individualized sockets. No chance for wrong connections.

Crystal Mike

Diaphragm Type is sup-

plied. Gives excellent results on either voice

or musical reproduction. Will stand an extra-

De Luxe AMPLIFIER

OPERATES ON 105-120 VOLT 50-60 CYCLE AC CURRENT

STADIUMS! AUDITORIUMS!

OUALITY REPRODUCTION - PERFECTLY CONTROLLED

★Four Stages ★Seven Tubes

★Portable or Permanent

★Complete Mixer and Fader

High Fidelity Reproduction

Either low or high frequencies can be attenuated as desired. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of speaker, singer, orchestra, and hall. Accentuating the highs makes speakers voices far easier to understand. Individual tone controls allow perfect tonal adjust-ment for each individual microphone. Three sepa-rate controls provide complete and perfect regula-tion of volume for all inputs. A Master Volume Control simplifies overall volume regulation.

18 Watt P. A. System (Equipment Included)

1. Two Microphones, Diaphragm Crystal Type, Sound Cell Crystal or Velocity as desired.
2. Two Adjustable Floor Stands with heavy base provide support for microphones. May be extended up to 67½ in. high.
3. 18-Watt, 4-Stage, High Gain Amplifier promiting straight line amplification for microphones.

5. 18-Watt, 4-Stage, High Galb Ampliner provides straight line amplification for microphones.
4. Set of Seven Matched Sylvania or Raytheon Tubes including 2-57's, 1-50, 1-53, 2-6B5's, 1-523, 5. Two 121'3" Finest Quality Auditorium Type D.C. Dynamic Speakers use 1000 ohm fields and

1000 olim line matching transformers to match outout of amolifier.

6. Fifty Feet of Best Quality Rubber Covered Shielded Cable with polarized connecting plug is furnished for each microphone. This cable is of special construction to minimize line losses between microconstruction to minimize the losses between micro-phone and amplifier. (Longer lengths can be supplied for 6c per foot for extra length.)
7. Fifty Feet of Heavy Duty Best Quality Rubber Covered Cable with polarized attaching plug is furnished for each speaker.

Prices 18 Watt P. A. System

J 10044 Complete SOUND SYSTEM as described with two Diaphragm type Crystal Microphones. List Price. \$233.00. YOUR PRICE.....

J10038 - Complete SOUND SYSTEM as described with two Amperite R. B. H. Velocity Microphones.

List Price, \$272.00, YOUR PRICE ...

J 10039 - Complete SOUND SYSTEM as described with two type B2S Brush Sound Cell Crystal Microphones. Described on page 100.) List Price, \$278,00

\$ 4890 YOUR PRICE

Above prices do not includa baffles for speakers.

★Separate Tone Controls

★Individual Volume Control

★Socket Plug-In Connections

Amplifier Characteristics and Specifications

1. 18 Watts Undistorted Power Output to speaker voice coils tup to 25 watts can be obtained on peaks).

Four Stages with Seven Tubes: 2-57's, 1-56, 2-6B5's, 1-53, 1-5Z3.

3. Supplies 30 Watts (enough for 3 large dythree separate speaker fields).

4. 135 D.B. gain at 1000 cycles.

5. Flat Frequency Characteristic Curve within 1 D.B. from 40 to 9000 cycles.

6. Input Connections for Two Crystal or Velocity microphones and phono or radio through three sockets or 8 terminal binding post strip.

7. Separate Volume Control for each

8. Complete Mixer and Fader,

9. Master Volume Control.

10. Separate Tone Control for each input.

H. Master Hi-Lo Tone Control,

12. Indicating Plate under each control.

13. Output Impedance tapped at 3, 6, 12, 18, 250, 500 and 1000 ohms, Connections brought out to bakelite strip with values engraved at each binding post.

14. Three Sockets for Plug-in Connections of 1, 2, or 3 dynamic speakers as desired without change of wiring.

15. Only .001 volts Input Signal required to obtain maximum output. 16. Hum level less than .1 of 1% of total output.

17. Jewelled Ruby Pilot Light indefates when A.C. Power is on.

18. Power Supply required: 105-120 volts, 50-60 cycle A.C.

19. Power consumption 175 watts.

20. Ten-foot Super Service power connection Cord with unbreakable rubber Plug.

21. Easily accessible Renewable Fuse.

22. Bottom Protecting Plate with four rubber feet entirely encloses base.

23. Ample provision for Ventilation.

24. Rich baked on Black Enameled Finish.

Overall height 11". Base width 10½". Length ½". Chassis height 4½".

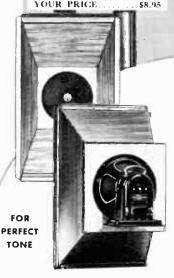
26. Net weight 39 lbs. Shipping weight 52 lbs. (Amplifier Only.)



Velocity Microphones to the state of the sta Carrying Case closes as illustrated. Very compact, conveni-

ent and professional appearing. Easy to carry

Speaker Carrying Case
For Portable Systems. In two sections for easy and protective por-tability of two speakers. Sturdity constructed Covered with durable black Fabrikoid. Described on page 105. No speakers Included. J10486 Lat Price, \$17.00. YOUR PRICE....\$8,95



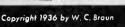
Speaker Baffles

Use these baffles for permanent installations where sound must be projected long distances. Stardity constructed of \$\frac{1}{2} v \] bywood. Size 30"x18". Described on page 107. J10396—List Price, \$7.00.

YOUR PRICE ... \$3.95



Seven Tap Output
One, two, or three speakers
can be used as desired without changing internal wiring
of Amplifier, Polarized sockets
provide plug in connections
ers, Selective outputs
pedances; 3, 6, 12, and 18
ohms for speaker Volce
Colls; 250, 500 and 1000 ohms
for long lines or magnetic
speaker connections. Speaker
field supply is 30 Watts for
3 Auditorium Type Speakers,
with 1000 ohm fields. This
current is sufficient for operating up to eight 12" stendard
Dynamic Speakers





• The complete System at full power output has sufficient power to supply easily understood voice and music to indoor audiences of from 3000 to 8000 people or over an outdoor area of from 10,000 to 25,000 square feet, the exact coverage depending on individual installation conditions.

Superb Performance!

Most Advanced Engineering combined with Quality Most Advanced Engineering combined with Quality Apparatus and extensive research by Radolek Sound Engineers gives you this finest, most complete 18-Watt Dual Microphone Hi-Gain Amplifier System. In the Amplifier you get all the advantages of greater frequency response and life-like clarity of tone afforded by the use of Crystal and Velocity Microphones . . . The use of Velocity Microphones also permits directional pick-up for elimination of acoustical feed-back in installations where microphones are used close to installations where microphones are used close to loud speakers.

A Complete Amplifier

Built up to a high standard of quality and not down to a price, this unit incorporates every feature for completeness, convenience and simple operation that the ingenuity of highly skilled Engineers could devise. Note carefully the many desirable important features incorporated in this DeLuxe Amplifier: Plug-in Input Con-nections for Two Microphones—Plug-in In-put Connections for Phonograph or Radio— Individual Volume Control on each of two channels—Master Volume Control over all inputs—Complete Mixing and Fading between the two channels—Extremely High Fidelity, flat within 1 db. from 40 to 9,000 C.P.S.—Two Microphone Tone Controls and Master Hi-Lo Tone Control — Output Indicating Meter — Selective Tapped Output — 30-Watt Speaker Field Supply-Plug-in Speaker Outputs.

You Can Depend

on Radolek

Amplifiers

Easy to Install

You need not be an Engineer or Sound Expert to hook-up this Radolek Amplifier. All conto hook-up this Radolek Amplifier. All con-nections are quickly and positively made through Plugs and Sockets and are so arranged that it is impossible to make a wrong connection. The Complete Portable Amplifier System is con-venient to carry and can be put up or taken down in five minutes. The professional appear-ance and true-toned reproduction of this powerful Sound System adds atmosphere to any show or event. It will open new profit opportunities ... it event. It will open new profit opportunities . . . it will help to increase your income by putting your program over. Take advantage of the greater entertainment and money-making possibilities of this new 18-Watt Radolek DeLuxe Sound System.

Modern Engineering

Modern Engineering
135 D.B. Gain allows use of Diaphragin Type
Crystal Microphone with up to 150 feet of cable;
Sound Cell Crystal Microphone with up to 100
feet of cable; or Hi-Impedance Velocity Microphones with up to 75 feet of cable. Full power output of 18 Watts can be obtained using cable lengths as specified without appreciable losses of either high or low frequencies. (Most other systems are restricted to cables of less than half these lengths). Microphones can be used on a very large stage with amplifier concealed back stage. Amplifier is very stable in operation so that hum and tube noises are non-existent for all practical purposes. Output level indicator meter offers an excellent check on overall volume level.

Complete Mixer and Fader

volume on the two microphones can be individually adjusted so that different sections of an orchestra can be toned down or brought out as desired. One microphone can be used to carry the orchestra as soft back-ground music; the other microphone for a singer. Vocalists, even those with a voice which lacks carrying power can easily cover a large area with this system.

Price of 18 Watt AMPLIFIER ONLY

J10698—Factory wired, Laboratory tested. Less Tubes.

List Price, \$89,50. YOUR PRICE

J10699—Complete with matched set of 7 R. C. A., Sylvania or Raytheon Tubes: 2-57's, 1-56, 1-53, 2-6B5's 1-5Z3 List Price, \$99,00.

YOUR PRICE

Simple to Operate

Anyone can operate this Amplifier immediately—you don't have to be an Engineer. All controls are plainly marked. All that is necessary is to place Microphones and Speakers. plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. to broadcast



Amplifier Carrying Case

Installation Shield

Provides perfect mechanical protection and allows ample ventilation. Strong, rigid, black enameled steel. J10045—List Price, \$4.75. YOUR PRICE..... \$2.50

AMPLIFIER

For 105-120 Volt 50-60 Cycle A. C. OPERATION

Maximum Power at Lowest Cost!

A Complete System

The entire group of units illustrated here may be purchased together if you want to be sure of obtaining the correct component parts for a high class installation. These units are "matched" by our Engineers to work perfectly together so that you may have an installation that you can be proud of. All apparatus is of quality construction... guaranteed by Radolek to perform perfectly.... You can Depend on Radolek Amplifiers for complete satisfaction.

15 Watt Standard P. A. System Complete Equipment Includes

- 1. 4-stage, 15-watt A.C. operated P.A. Amplifier incorporating Input control unit with Microphone Volume Control, Phono-Radio Volume Control and Hi-Lo Tone Control.
- 2. High Quality Diaphragm Type Crystal Microphone gives excellent results when used on voice
- 3. Floor Stand for Microphone can be extended from 27" to 66". Good quality, heavily weighted. Will not tip over easily.
- 4. Matched set of Six Sylvania or Raytheon tubes including 1-57, 2-53's, 2-2A3's, 1-83.
- 5. Two 12½ inch Auditorium Type Finest Quality D.C. Dynamic Speakers. 2500 ohm fields each obtain 10 watts field supply from amplifier.
- 6. 50 feet of Good Quality Shielded Rubber Covered Cable for microphone.
- 7. 100 feet of Fine Quality Four-Wire Heavy Duty Rubber Covered Cable for connection of speakers to amplifier.

For permanent installations, all that is needed in addition to equipment listed is baffles for the speakers. Turn to page 107 for a complete line that can be used very satisfactorily with the speakers supplied.

Price of 15 Watt **Public Address System** Ready to Install

15-Watt Public Address System complete as described above

J10674 -List Price, \$153,50.

Price of 15 Watt Portable System

Includes Split Speaker Carrying Case, Amplifier Carrying Case and 3-section Microphone Stand. All equipment will fit into the two cases furnished. Easy portability.

J10017 -List Price, \$180.00. YOUR PRICE . .

Amplifier Characteristics and Specifications

- 1. 15 Watts undistorted Power Output to speaker voice coils.
- 2. Supplies 20 watts for 2500 ohm field coils nough for Two large dynamics.) Connections provided for one or two speaker fields.
- 3. Four Stages with six tubes, '57 resistance coupled, to 53 resistance coupled to 53 Transformer coupled to two 2A3's in push pull, 83 Rectifier.
- 4. 115 db. Gain at 1,000 cycles.
- 5. Practically Flat Frequency Characteristic Curve within 1 D.B. from 40 to 9,000 cycles.
- 6. Input impedance for Crystal, Ili-Imp. Velocity Microphones and Phonograph or Radio.
 - 7. Plug-In Input and Output.
- 8. Separate Volume Control for Microphone. Separate Volume Control for Phono or
- Radio. 10. Complete Mixing and Fading System.
- 11. Hi-Lo Tone Control and On-Off Switch Combined.
- 12. Etched Metal Indicating Plate under each
- 13. Output Impedance Tapped at 3, 6, 9, 15 and 500 ohms. Connections brought out to bakelite strip with values engraved at each binding post. 14. Only .004 volts input signal required to
- obtain maximum output. 15. Extraordinary Low Hum Level. ,1 of 1%
- of Total Output.
 - 16. Power consumption 140 watts
- 17. Power Supply required, 105-120 volts, 50-60 cycle A.C.
 - 18. Ruby Pilot Light Indicates when power is on.
- 19. Ten-foot super service power connection cord with unbreakable rubber attaching plug.20. Easily Accessible, renewable fuse in power
- 21. Bottom protecting plate with four rubber feet entirely encloses base
 - 22. Ample provision for ventilation,
- 23. Rich Baked-on Black Enameled finish. 24. 16". Overall height 8"; Base width 9"; Length
- Height 23/ 25, Net weight, 25 lbs. Shipping weight, 40 lbs.

New Type Sloping Panel

the rest of chassis. The control indicator Plates are of Frosted aluminum with black etched numerals. Knobs are new style bar type. Radolek Amplifiers are easy to operate... All component parts are quality parts ... The Greatest Value for your amplifier dollar. You save when you buy at Radolek.





In three sections for transporta-tion of Amplifier, Microphone Scand and Cables, Sturdily con-structed of \$" Veneer covered with durable black Fabrikoid, J10035 List Price, \$10.00.

YOUR PRICE......\$5.95

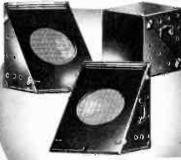


Installation Shield

Provides perfect mechanical protection and allows ample ventila-tion, Rigid Steel Construction fin-ished in Baked Black Enamel, J10672—List Price, \$4.50,

YOUR PRICE...

Case is divided diagonally and will house two speakers. When put together case is only slightly larger than case for only one speaker



tions. Enables speakers to be carried easily and safely. Provides sufficient baffle for speakvides sillicient bathe for speak-ers and are large enough to store up to 150 feet of cable for each speaker. Sturdily con-structed of plywood. Covered with durable Black Fabrikoid. Completely described on page 105

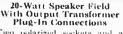
Split Speaker Housings For use on Portable installa-

J10486 No speakers included. List Price, \$17,00.

YOUR PRICE ..

\$8.95

Powerful Speakers



Two polarized sockets and a Seven Post Terminal strip pro-vide connections for speakers. Connections brought out to terminal strip are tapped at 3, 6, 9, 15 ohms for connection to speaker voice coils and 500 ohms for long line or Magnetic speaker connections. Speaker field supply is for 2 speakers using 2500 ohm fields. These speakers are Highest Quality, guaranteed to give finest reproduction



RADOLEK Standard

HI GAIN FOR CRYSTAL MICROPHONE

The Ideal Sound Amplifying System

★Built-In Complete Mixer and Fader ★Hi-Lo Tone Control ★Plug-In Input and Output **★**Two High Gain Channels ★4 Stages ★20 Watt Speaker Field Supply ★Tapped Output ★Separate Volume Control for Phonograph ★Separate Volume Control for Crystal Mike

Better Tone Quality!

This is one of the most powerful, practical, general purpose, 15-Watt Amplifiers on the market. Superior to other 15-Watt Amplifiers because it brings you the full advantages of the greater sensitivity, frequency response and life-like clarity of tone afforded by the use of Crystal Microphones. Can also be used with Carbon Mikes in conjunction with Input Unit listed on page 103. Ruggedly constructed of high grade parts, this Amplifier will give long, satisfactory trouble-free service. A full, clean, powerful 15-Watt Output provides easily understood speech and music to indoor audiences of up to 5000 people or over outdoor areas of up to 20,000 square feet. Recommended for use by Auditoriums, Churches, Small Dance Orchestras, Small Athletic Fields, Store Advertising Installations, etc.

Increased Entertainment

Tavern and Night Club Owners! We particularly recom-Tavern and Night Club Owners! We particularly recommend this system for your installations. It is simple to install and operate and will produce clear and natural speech and music with sufficient volume for the largest of your installations. The new Crystal Microphone used in this system is more suitable for your use than any other type. With this new improved Amplifier, the Crystal Mike affords a clarity of tone and naturalness of reproduction impossible to obtain with older types of Microphones. Will not "blast" or go "mushy" when the singer or speaker gets close to the Mike and you will not have to be particularly careful about the way this Microphone is handled. It will stand a great deal more abuse than any other type. stand a great deal more abuse than any other type.

Easy to Install

All connections are through polarized Plugs and Sockets. When system is made up in the portable cases illustrated, the entire outfit can be put up or taken down in less than five minutes' time. Comes complete with all instructions so that anyone can make an efficient and satisfactory Public Address installation.

Radolek Amplifiers

All Newest Features

All the newest Sound Engineering Developments to date have been combined in this superb chassis. Here is a combination of features not found in any other amplifier at anywhere near this low price. Four Stages, Dual Channel, anywhere near this low price. Four Stages, Dual Channel, Plug-in Input with separate Volume Control for Crystal Microphone, Plug-in Input with separate Volume Control for Phonograph or Radio, Built in complete Mixer and Fader, Hi-Lo Tone Control, Plug-in Selective Tapped Output, 20-Watt Speaker Field Supply. Has a gain of 115 db. and yet uses a total of only six tubes, affording real operating economy.

Improved Tone Regulation

Either low or high frequencies can be attenuated as desired. This feature which is an exclusive Radolek development is particularly valuable for installations which must fit every type of speaker, singer, orchestra, and hall. Accentuating the highs makes speakers voices far easier to understand. Cutting down the bass will often provide highly satisfactory reproduction in halls where ordinarily, unfavorable acoustics build bass so strong that voices are nearly undistinguishable. Accentuating bass response will make a high pitched voice sound more pleasing to the ear, will bring out the low notes so desirable in reproducing organ music, and will often assist in eliminating acoustical feed-back. An A.C. Power Switch is combined with this control.

Complete Mixer and Fader

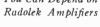
Complete Input System including separate Volume Controls for Phonograph or Radio and Crystal Microphone is built right in the Amplifier. The two inputs are so inter-connected that complete mixing or fading between them can be accomplished easily and efficiently ... enables a voice announcement to be super-imposed on a musical background from Phonograph, etc. New Mixing System eliminates losses present in old Mixers using Transformers and "T" Pads.

Prices 15 Watt AMPLIFIER Only For 105-120 Volts 50-60 Cycle Operation

J10670-Factory wired, Laboratory Tested, without Tubes. List Price. \$52.00. YOUR PRICE.....

You Can Depend on

Radolek Amplifiers



Simple and Easy to Operate

Anyone can operate this Amplifier immediately don't have to be an Engineer. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. All controls are plainly marked. Complete instructions are included.





CLASS "A"

ADDRESS System

FOR 105-120 VOLT, 50-60 CYCLE A. C. CURRENT For Medium Sized Installations!

High Fidelity Reproduction

New Hi-Lo Tone Control attenuates either low or high frequencies as desired. This feature which is an exclusive Radolek development is particularly valuable for compensating tone of sound installations which must fit every type of speaker. singer, or orchestra and hall.

15 Watt Public Address System Complete Equipment Includes:

1. \$10.00 list Double Button Carbon Microphone very well suited for all-around use.
2. Microphone Floor Stand, Complete with 8 sus-

2. Micropione Floor Stand. Complete with 8 sus-pension springs. Extends up to 67 inches and has heavily weighted base to prevent tipping over. 3. 3 Stage 15 Watt Amplifier complete with Microphone Transformer, Microphone Current Supply, Volume Controls, and Speaker Field Supply.

4. Set of Six Matched Sylvania or Raytheon Tubes 2-57: 1-56; 2-2A3: 1-5Z3.

5. Two High Grade Heavy Duty 12¹/₂" Finest Quality D. C. Dynamic Speakers, Will carry entire output of amplifier without distortion. Equipped with 5500 other fields and the matching temperature. 2500 ohm fields and line matching transformers

to match output of amplifier.

6, 50 ft. of Best Quality Two Conductor Rubber Covered Shielded Cable equipped with polarized plug

connects microphone to amplifier.

7. Two 50-ft, Best Quality Four-Wire, Heavy Duty, Rubber Covered Cables equipped with polarized plugs connect the two speakers to amplifier

Price of 15 Watt Public Address System Complete Ready to Install

15 Watt System complete as above. 5 **m** m 70 110012--List Price, \$120,00 YOUR PRICE.....

Amplifier Characteristics and Specifications

1. 15 Watts Undistorted Power Output to speaker

voice coils.
2. Three Stages with Six Tubes: 2-57's, 1-56, 2-2A3's, 1-5Z3

3. Supplies 20 watts for 2-2500 ohm field Speakers. 4. Approximately 85 D.B. gain

5. Practically Flat Frequency Characteristic curve within 1 D.B. from 40 to 10,000 cycles 6. Only .07 volts input signal required to obtain

maximum output. 7. Input Connections for one carbon micro-

phone and phonograph or radio.

8. Supplies adjustable microphone current.

9. Complete Mixer and Fader, 10. Microphone Volume Control.

11. Phono and Radio Volume Control.

12. Combination Hi-Lo Tone Control and A.C. switch

13. Etched Metal Indicating Plates under each con-

14. Output Transformer mounted on amplifier chassis tapped at 500 and 1000 ohms.

15. Plug-in Input and Plug-in output.

16. Hum level .1 of 1% of total output.
17. 105-120 volts 50-60 cycles A.C.

18, Power consumption 135 watts.

19. Ten foot super service power connection Cord with unbreakable rubber Plug.

20. Pilot Light indicates when A.C. is on.

21. Easily Renewable Plug Fuse. 22. Ample provision for Ventilation.

23. Rich baked on black enameled finish.

24. Overall height 736", Base width 732", Length 17".

25. Net wt. 24 lbs. Shpg. wt. 29 lbs.

A Complete Call and Communicating System

Call System Accessories

Double button carbon Microphone complete with 17" desk stand and 10 ft. shielded mike cable with connection plug to match amplifier. J10016 - List Price, \$15.00. YOUR - CD02

\$882

Best Quality Four Wire Cable rubber jacket overall for connecting dynamic speakers to amplifier. J11083 -- Per 100 tt. List Price, \$9,50. YOUR PRICE.

8" Magnetic Speaker mounted in Gothic type speaker cabinet.
J10482 List Price, \$6,25,

\$368

8" D.C. Dynamic Speaker complete with matched transformer mounted in Gothic type speaker cabinet J10019 List Price, \$7.75. YOUR PRICE \$460 \$460

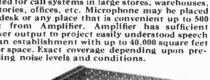
Two Wire Cable—Best Quality rubber jacket overall for connecting magnetic speakers to amplifier.

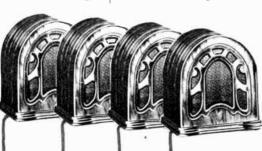
J11081 — Per 100 ft. List Price, \$4.25.

YOUR PRICE ... \$221

Perforated metal Installation Shield Rigid Steel Construction, Baked Black Enameled finish, J10015 - List Price, \$2.85. \$168

The Amplifier shown on this page is especially suited for call systems in large stores, warehouses, factories, offices, etc. Microphone may be placed on desk or any place that is convenient up to 500 feet from Amplifier. Amplifier has sufficient power output to project easily understood speech to an establishment with up to 40,000 square feet floor space. Exact coverage depending upon prevailing noise levels and conditions.



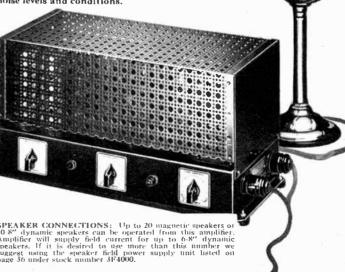


SPEAKER CONNECTIONS: Up to 20 magnetic speakers or 10.8" dynamic speakers can be operated from this amplifier. Amplifier will supply field current for up to 6.8" dynamic speakers. If it is desired to use more than this number we suggest using the speaker field power supply unit listed on page 36 under stock number 3F4000.



FEATURING . . .

- **★**Three Stages
- **★**Class "A" Prime Operation
- **★**Carbon Mike Input
- **★**Phono-Radio Input
- ★Hi-Lo Tone Control
- **★**Volume Control for Microphone
- **★Volume Control** for Phono-Radio
- **★Built-In Mixer** and Fader ★Plug-In Input and
- Output Connections
- ★20 Watts Speaker Field Supply
- ±1000 Ohm Output Tapped at 500 ohms
- **★**Mike Button Current Supply





Fabrikoid J10035 List Price \$11.00, YOUR PRICE \$5.85

RADOLEK SEMI-FIXED 5 Watt PUBLIC

FOR USE WITH CARBON MICROPHONES High Quality . . . Medium Priced

New Improved Design Advanced Engineering

A new 15-Watt Amplifier designed for use with A new 15-Watt Amplifier designed for use with Carbon Microphone. Convenient in operation. Compact. Extraordinary quality at LOW COST. Combines the function of five separate units all in ONE instrument: Input Control Unit, Amplifier, Microphone Current Supply, Output Transformer and Dynamic Speaker Field Supply. The full clean 15 Watts of power will supply ample volume for an indoor audience of from 2000 to 5000 people or an outdoor area of from 8000 to 20,000 square feet, the exact coverage depending on individual installation conditions.

Very Flexible Performance

The design and construction of the Amplifier give The design and construction of the Amplifier give it a great flexibility adapting it to a wide range of Public Address Installations. Equally suitable for either portable or permanent installations where good quality and power must be obtained at a low price. We particularly recommend this Amplifier for use in large Auditoriums, Fairs, Political gatherings, etc., where the main requirement is good reproduction of voice. Although this Amplifier has the same high fidelity as the other Radolek mits, the use of the Carbon Microphone limits its usefulness in musical reproduction. For best results on music, we recommend the 18-Watt Crystal Amplifier described on pages 118 and 119. tal Amplifier described on pages 118 and 119.

Easy To Install

You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. All connections are through Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug power cord into 105-120 Volt 50-60 cycle A. C. socket, turn on the power switch and you are all set to broadcast. It's simple, easy and fast, When system is made up in portable cases, the entire outfit can be put up or taken down in five minutes. Comes complete with all instructions so that anyone can make an efficient and trouble so that anyone can make an efficient and trouble free installation.

Use Crystal or Velocity Microphones

While this Amplifier has been particularly designed for use with Carbon Microphone, it can also be used for Crystal or Velocity Microphones when used in conjunction with Pre-Amplifier shown on page 126. This combination should be used where page 120. This combination should be used where it is necessary to operate microphones at distances of from 150 to 2000 feet from main Amplifier. 500 ohm output of Pre-Amplifier matches 500 ohm input of this Amplifier and allows the use of a low impedance line between the two which will eliminate leave the research with a problem from the problem. inate loss and noise pickup from line.

Built-In Two Channel Mixer

An extremely valuable feature, that eliminates an extra piece of equipment, is the built-in two channel mixer. Individual Volume Controls for Microphone and Phonograph or Radio permit the gradual fading in and out or the mixing of these inputs without the usual power and frequency losses encountered in ordinary mixing systems using transformers and "T" pads. Voice can be used with musical background.

Plug-in Input Connections

Through polarized socket for Double Button Carbon Microphone connections and tip jacks for Phonograph or Radio connections. Microphone connects through special humless input transformer which is mounted on chassis. Phono-Radio control direct to strike of tubers of the control of tubers of the control of tubers of tubers of the control of tubers of t nects direct to grid of tube.

Price of 15 Watt Carbon **AMPLIFIER Only**

J10013 For use on 105-120 volt, 50-60 cycle A.C. As described above. Less Tubes. List Price, \$60,00. YOUR PRICE

J10014—Complete with Six Matched Sylvania or Raytheon Tubes including 2-57's, 1-56, 2-2A3's, 1-5Z3, List Price, \$65.75. YOUR PRICE

Output Connections

Output Connections
Output transformer and speaker field supply are a part of amplifier. Connections are brought out to two polarized plug in sockets and so arranged that either one or two speakers may be used as desired without changing internal wiring of amplifier. Output transformer is tapped at 500 and 1000 ohms. Speaker field supply is for one or two 2500 ohin field speakers and supplies 10 watts of power for each field.



Simple to Operate

Anyone can operate this Amplifier immediately. All controls are plain-ly marked with etched metal indicating plates. Easy to read.

Hi-Gain AMPLIFIER The Ideal Portable P. A. System!

For 105-120 Volt AC Operation . . . Quiet . . . No Hum

8-Watt DeLuxe P. A. System Complete Equipment Includes:

- 1. Four-stage, 8-Watt High Gain Amplifier, particularly designed to obtain full efficiency when used with Crystal or Velocity "Mike."
- 2. High grade Diaphragm Type Crystal Microphone which is best all around "mike" available for Public Address use. Free from background noise, practically indestructible and gives exceptionally fine reproduction for voice or music.
- 3. Microphone Floor Stand extends up to 67". Has heavily weighted base to prevent tipping.
- 4. Matched set of six Sylvania or Raytheon tubes including 1-57, 1-53, 2-2A5's, 1-5Z3, 1-56.
- 5. Two 12" Rola D.C. Dynamic Speakers with 1000 ohm field and Line Matching Transformers.
- 6. One A.C. Speaker Field Power Supply complete with 80 rectifier tube.
- 7. 50 Feet of Four-Wire Heavy-Duty Rubber-Covered Cable is connected to each speaker. Polarized plug on other end connects speakers to amplifier.
- 8. 50-foot Shielded Rubber-Covered Extension Cable with plug for microphone.

Prices of 8 Watt Public Address System Ready to install

Complete Sound System as described above, with Diaphragin Type Crystal Microphone. \$77625 J10026—List Price, \$142.00. J10026—List Price, \$142.00.

YOUR PRICE.....

Complete Sound System as described above with Radolek Velocity Microphone instead of Crystal J10031-List Price, \$154.50.

YOUR PRICE.....

Complete Sound System as described above with Brush B2S Cell Type Crystal Microphone (not illustrated) instead of Diaphragm Crystal Mike. J10022—List Price, \$164.50.

YOUR PRICE.....

Ruggedly Built

Construction throughout is exceptionally rugged and all components are considerably oversize to withstand continuous usage under the most severe conditions.



Portable Carrying Case

Entire System is housed in this sturdy Carrying Case. One Section contains Amplifier, the other contains the Speaker. Case is covered with durable Black Fabrikoid. Metal Corner guards. Leather handle. Metal screen protects speaker cone. Button flap covers proping for protection against covers opening for protection against weather. Total weight only 42 lbs.

Amplifier Characteristics and Specifications

1. 8-Watt Undistorted Power-Output to speaker voice coils. 2. Four Stages with Six Tubes: 1-57, 1-53, 1-56,

2-2A5's, 1-5Z3. Supplies 10 Watts field supply for 1000 ohm

Speaker field coil.

4. Approximately 138 D.B. gain at 1000 cycles.

5. Flat Frequency characteristic curve from 40 cycles to 9000 cycles within 1 D.B.

6. High Impedance Input connections for operating Crystal or Velocity Microphones.
7. Microphone Volume Control on chassis.
8. Phonograph Volume Control mounted on chassis

9. Mixing and Fading accomplished by special circuit, making transformers and pads unnecessary.

10. Hi-Lo Tone Control.

11. Etched Metal Indicating Plates under each

12. Jeweled Ruby Pilot Light indicates when A.C. power is on.

13. Output Impedance tapped at 1000 and 500 ohms.
14. Plug-in Inputs and Outputs.
15. Only .002 volts input signal required to obtain

15. Only .002 volts input signal required to obtain maximum output.

16. Hum Level less than .1 of 1% of total output.

17. Power required: 105-120 volts, 50-60 cycle A.C.

18. Power Consumption only 75 Watts.

19. Ten-foot super-service power connection cord with unbreakable rubber attachment plug.

20. Easily renewable fuse in power supply.

21. All parts mounted on a strong rigid steel chassis and entire unit finished in rich baked black enamel.

22. Bottom Protecting Plate with four rubber feet

22. Bottom Protecting Plate with four rubber feet entirely encloses base.
23. Overall height 8¾", Base width 6½". Length 15". Chassis height 3¼".
24. Net weight 12½ lbs. Shipping weight 20 lbs.

Price of 8 Watt **Crystal Complete Portable System** All Ready to install

Price includes Diaphragin Type Crystal Microphone, Floor Stand, 50 feet of Mike Cable, One 12" Rola D.C. Dynamic Speaker with 50 feet of Speaker Cable and the 4-stage, 8-Watt Amplifier described above, housed in the strongly reinforced PORTABLE carryhoused in the strongly reinforced PORTABLE carrying case covered with durable black fabrikoid covering illustrated below. Case is made in split sections. One section houses amplifier and the other section houses and furnishes baffling for the speaker. Case size: 17½" high, 16½" wide, 12" deep. Weight of system is 42 lbs. J10024-List Price, \$130.00. **CO**25

Complete with tubes.





Easy to Carry Case when closed is as illustrated above. Convenient, neat and professional in appearance. A DeLuxe Portable Amplifying



Chrome-plated Portable Microphone Stand, constructed in three sections, tele-scopes together to easily fit in space provided in the carrying case.

Use Velocity Microphone

tor highest quality reproduction of voice and music in installations which are particularly subject to acoustical feed back.

Use Diaphragm type Crystal Mi crophode for high quality rep o duction of other voice or muse.



Installation Shield

Provides proper mechanical protects for Amplifier and allows ample ventilation. Strong steel construction. Baked Black Enamel finish.

SWATT RADOLEK For Crystal or Velocity Mikes

Easy to Operate . . . Powerful . . . Class "A"

★Four Stages ★138 D.B. Gain ★Hi-Lo Tone Control ★Dual Channel Input ★High Fidelity ★Plug-In Hook-up ★Complete Mixer and Fader ★Separate Volume Controls ★1000 and 500 Ohm Line Output ★Quiet Operation

Portable Power!

A new compact 8-Watt Amplifier, primarily designed for use with Crystal or High Impedance Velocity Microphones, Easy portability, speedy installation, simplicity of operation and high fidelity reproduction makes this Amplifier the ideal unit for use by small dance orchestras and night clubs. Solves the problem of adequate coverage for stringed instrument orchestras. Ideal for assisting vocal artists in carrying their voices to the audience above the orchestral background. In addition to above, the system is suitable for use in all types of public gatherings — Lodges. Churches, Funeral chapels, etc. Public speakers will add much to the effectiveness of their work by using this Portable System. Ideal for Audition Studios. May be used indoors or outdoors. Power Output will supply fine quality, clear voice and music to an indoor andience of from 1000 to 3000 people or over an outdoor area of from 5000 to 10,000 square feet.

Easy to Install

Installation is simple, easy and fast. You don't have to be a Sound Expert. When system is made up in portable cases, the entire outfit can be put up or taken down in five minutes. All connections are through Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. Comes complete with all instructions so that anyone can make an efficient and creditable installation.

Simple to Operate

Anyone can operate this Amplifier immediately you don't have to be an Engineer. All controls are plainly marked. Operating and installation instructions are included,

Latest Improvements

This Amplifier is carefully designed . . . right up to the minute . . . has every modern quality feature including: Individual Input Volume Controls, Convenient Plug-in Input and Output connections. Complete Built-in Mixing and Fading Equipment, Tone Control for Acoustic Compensation, Provision for Using Either A.C. or D.C. Speakers, and TWO Input Channels. Supplies field current for one 1000 ohm field D.C. Dynamic Speaker.

Hi-Lo Tone Control

An entirely new development in Tone Controls. This new Radolek Hi-Lo Tone Control will accentuate either lows or highs as desired. The higher frequencies bring out clear crisp speech reproduction, whereas low frequencies are desirable for organ music and for eliminating acoustical feed-back A.C. Power Switch is combined with this Control

Complete Mixing System

An extremely valuable feature is the BUILT-IN 2 CHANNEL MIXER which aside from eliminating an extra piece of equipment, this feature permits the gradual fading in and out or the mixing of two separate inputs. One High Gain Channel will handle either Crystal or High Impedance Velocity Microphone. The other channel will handle phonograph pickup.

Price 8 Watt AMPLIFIER Only

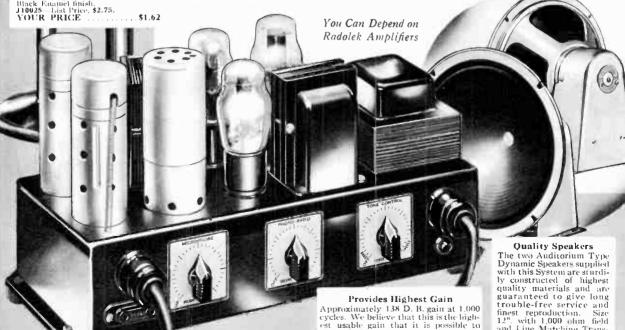
J10008 -8-Watt, 4-stage Crystal Microphone Amplifier, Factory wired, Laboratory without Tubes.

List Price, \$46.50.

\$**24**⁵⁰ YOUR PRICE.....

J10009 Complete with Six Matched Sylvania or Raytheon Tubes: 1-57, 1-53, 1-56, 2-2A5's,

List Price, \$52.50. YOUR PRICE



obtain in one unit

and Line Matching Trans-

. A. AMPLIFIER

FOR PORTABLE INSTALLATIONS FOR 105-120 VOLT, 50-60 CYCLE A. C. OPERATION

8 Watt Carbon Mike System Complete Equipment Includes:

- 1. Double Button Carbon Microphone gives excellent reproduction for speaker's voice and will give good results on musical pickup. \$10.00 list.
- 2. Floor Stand Complete with microphone ring and eight mounting springs, adjustable from 27½ in, for banquet use to 67½ in, for floor use. When telescoped will fit inside carrying case.
- 3. Two Stage 8 Watt Amplifier Complete with Mike transformer, Mike current supply, Control unit and speaker field supply. Completely described above.
- 4. Matched Set of Four Sylvania or Raytheon Tubes including 1-6A6, 2-42's, 1-5Z3.
- 5. Two 12-inch Good Quality D.C. Dynamic Speakers with 2500 ohm fields and output transformers which match output of amplifier.
- 6. 30-Foot Two-Wire Good Quality Shielded Rubber Covered Microphone Cable with polar-ized plug connects microphone to input of ampli-fier. Additional mike cable can be supplied at 6c per foot. Specify length of cable desired.
- 7. Two 40-Foot 4 Wire Good Quality Heavy Duty Rubber Covered Cables with polarized plugs connect speakers to output of amplifier.

Prices of 8 Watt Carbon Mike Portable System Complete Ready to Install

No Carrying Cases or Phonograph. System complete as described. J10042-List Price, \$100,00, YOUR PRICE.....

Price With Phonograph

Equipment same as above but with only ONE speaker and mounted in a strongly reinforced carrying case covered to match phonograph case. Houses amplifier and speaker. Case is made in split sections. One section houses and furnishes baffling for the speaker. Case size: 17" high, 15½" wide, 11" deep. Phonograph case size: 7" high, 15½" wide, 11" deep. Phonograph of system with Phonograph is only 65 lbs. Complete system as specified with one speaker and with Portable Phonograph. Phonograph.

J10002-List Price, \$130.00. YOUR

Amplifier Characteristics and Specifications

- 1. 8 watts Undistorted Power Output to speaker voice coils.
 2. Two stages with four tubes: 1-6A6, 2-
- 42's, 1-5Z3. 3. Supplies 20 watts for 2-2500 ohm field
- speakers.
- 4. Approximately 68 D. B. gain at 1000 cycles. 5. Frequency Characteristic Curve flat within 1 D.B. from 40 to 9000 cycles.
- 6. Only .4 volts Input Signal required to obtain maximum output.
- 7. Input connections for one Carbon Microphone and Phonograph or Radio.
- 8. Supplies semi-variable current for one double button carbon microphone. 9. Separate Volume Control for microphone
- 10. Separate Volume Control for phonograph
- or radio input. 11. Complete Mixing and Fading System using
- a new and efficient system.

 12. Combination Tone Control and A.C. power
- switch. 13. Etched Metal Indicating Plate under each
- 14. Output Impedance 1000 ohins tapped at 500 ohms.

15. Plug-in Inputs and Plug-in Output.

16. Hum level less than 0.1 of 1% of total output. 17. Jewelled Pilot Light indicates

when power is "on." 18. Power consumption 55 watts.

19. Power supply required 105-120 volts. 50-60 cycles A.C.
20. Easily accessible Screw-in

Tubular Fuse protects power

21. Ten foot rubber-covered super service power connection Cord with unbreakable rubber attaching Plug. 22. Bottom Protecting Plate

with four rubber feet entirely encloses base

23. Rich baked on Black Enameled Finish. 24. Overall height 81/4 in. Base

size 8 in. wide, 15 in. long, 31/2 in, high.

25. Net weight 7 lbs. Shipping weight 10 lbs.





Full size Double Button Car-bon Microphone gives excellent response for voice and good re-sponse on music. Floor stand is two section and extends up to 67 inches. Has Heavily weighted base to prevent tipping.

RADOLEK Carbon Microphone FOR PERMANENT INSTALLATIONS POWERFUL PERFORMANCE AT LOW COST

Two Channel Input for Microphone and Phonograph or Radio

Separate Volume Control for Each Input ★ Two Stages 20 Watts Speaker Field Supply ★ Mike Button Current Supply

★ 1000 and 500 Ohm Line Output ★ Complete Mixer and Fader ★ Plug-in Connections ★ Tone Control ★ Class "A" ★ 4 Tubes

Newest Design

An 8-Watt Medium Powered Amplifier for use with carbon microphones in the smaller Public Address Installations. For extreme compactness and tructone dependability, this Amplifier has no equal at this low price. Although primarily designed for portable use, there are many permanent installations for which it will be especially suitable. We recommend it for the smaller installation in which speech pickup is the primary consideration such as: Small Auditoriums, Club Rooms, Lodges, Store Advertising Systems, Small Call Systems, etc. For orchestras and singers we recommend the use of a Crystal Microphone System such as the portable system listed on pages 112 and 113.

Complete Coverage

Incorporates microphone input transformer, microphone current, complete 2-channel mixing and fading system, and power amplifier. At full power output amplifier will supply fine quality clear voice and music to an indoor audience of from 1000 to 3000 people or cover an outdoor area of from 5000 to 10,000 square feet, the exact coverage depending upon prevailing noise levels. Can be used to operate one large dynamic cone speaker or horn unit, or up to six smaller dynamic speakers or 10 magnetic cone speakers or 40 headsets or any proportionate combination of any of them.

You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. It's simple, easy and fast. When system is made up in portable cases, the entire outfit can be put up or taken the state of the stat portable cases, the entire outfit can be put up or taken down in five minutes. All connections are through Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plug power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. Comes complete with all instructions so that anyone can make an efficient and creditable installation 8 Watts Undistorted Power is generated by a circuit of newest design incorporating the latest sound engineering improvements. A Combination Tone Control and A.C. Power Switch is incorporated in this Amplifier. Regulates tone quality of both input channels . . . proves particularly useful in compensating for poor room acoustics or a poor specking raise.

Compact . . . Complete

speaking voice.

Two Channel Mixer

An extremely valuable feature, that eliminates an extra piece of equipment, is the Built-In Two Channel Mixer. This feature permits the gradual fading in and out or the mixing of two separate inputs... enabling you to bring out a singing voice or solo, an instrument above a musical background, etc.

Input Connections

Are to a four-prong socket for microphone and to a phone jack for phonograph. Two volume Controls are provided. One controls the microphone, the other controls phonograph. A New Mixing System eliminates losses and improves frequency characteristics. Microphone input transformer is part of amplifier. Microphone button current is supplied. Speakers are high quality Auditorium 12-inch D. C. Dynamics complete with output transformers and forty feet of cable. Will carry full output of Amplifier without distorting. distorting.

Price of 8 Watt Amplifier Only

J10000 Factory Wired, Laboratory tested. Less

List Price. \$37.50.

YOUR PRICE.....

Installation Shield Provides perfect mechanical protection and allows ample ventila-tion. Rigid Steel Construction. Baked Black Enamel finish, J10021 List Price \$2.75, You Can Depend on Radolek Amplifiers Your Price (0) Speaker Connections Speaker Connections

A Polarized Socket is mounted on front and rear of amplifier for connection of speakers. Connections are so arranged that one or two speakers can be plugged in as desired without change of amplifier wiring. Dummy plug is inserted in one socket when only one speaker is to be used. Output impedance is 1000 ohms appead at 500 ohms. Speakers furnished with system have proper matching transformers to match output of amplifier. Speaker field supply is 20 Watts for 2-2500 ohm field speakers. Fields are not used as part of filter system hence it is desired to operate magnetic or A. C. speakers no external fields or chokes need be connected.



RADOLEK Pour PUBLIC ADDRESS AMPLIFIER

Features: ★For Crystal Microphone ★Two Stages ★95 db. High Gain ★Volume Control ★Tone Control ★Sloping Panel ★Speaker Field Supply ★Plug-In Connections ★Easy to Operate ★Trouble-Free ★"Humless"

For Crystal Microphone

A compact three-tube A.C. Amplifier having a full output of 5 Watts and the exceptionally High Gain of 95 db. Designed for use with Crystal Microphone. Brings you sensitivity, clear tone and efficiency comparable to many four-stage amplifiers. While this Amplifier cannot be compared with the large High Gain Crystal Mike Amplifiers listed in this book, it will serve perfectly for smaller plifiers listed in this book, it will serve perfectly for smaller installations such as Inter-communicating Systems, Small Orchestras, Window Demonstrations, Entertainment Purposes in Small Taverns, to take care of Overflow Crowds in Churches, in Small Theatres for "Bank" Night, "Screeno," etc. At full power output, sound will adequately cover an indoor audience of up to 1000 people or an outdoor area of up to 5000 square feet.

4 Stage Efficiency With 2 Tubes

Radolek Engineers have developed an entirely new circuit making it possible to obtain the efficiency of 4 stages of amplification using only two tubes. One type 79 and one 6B5 are used as amplifiers and one type 80 as rectifier. Input is High Impedance. Crystal Microphone or Phonograph or Radio can be connected direct without use of any coupling transformers. The Master Volume Control gives complete control over all inputs. Combination A.C. Switch and Tone Control gives complete variation of tone from high treble to low bass.

Price of 5 Watt P. A. System Complete Equipment Includes

1. Diaphragm Type Crystal Microphone Complete with 15-foot Rubber Covered Shielded Cable and plug. Will give excellent reproduction for either voice or music.

Will give excellent reproduction for either voice or music.

2. Microphone Floor Stand extends up to 67 inches.

3. Two Stage. 5 Watt Crystal Microphone Amplifier.

4. Set of Three Matched Sylvania or Raytheon Tubes including 1-79, 1-6B5, 1-80.

5. 12" Finest Quality D.C. Dynamic Speaker. Has 2500 ohm field and output transformer to match amplifier.

6. 30 feet of 3 Conductor Quality Rubber Covered Cebita supplier. Cable and plug for connecting speaker to amplifier

J10028—Complete system as described above. List Price, \$81.75. YOUR PRICE

Easy to Install

You don't have to be an Engineer or Sound Expert to hook-up a Radolek Amplifier. All connections are through Plugs and Sockets and are so arranged that it is im-Plugs and Sockets and are so arranged that it is impossible to put any plug into a wrong socket. All that is necessary is to place Microphones and Speakers, plug them into designated sockets, plng power cord into 105-120 Volt 50-60 cycle A.C. socket, turn on the power switch and you are all set to broadcast. It's simple, easy and fast. Comes complete with all instructions so that anyone can make an efficient and trouble-free installation.

Output Connections

Speaker connections are made to 4-prong plug-in socket. Speaker with 2500 ohm field and matching transformer for Speaker With 2500 offin field and matering transformer is not a part of amplifier and speaker field is used as choke in Filter system. Speaker field supply is 5 Watts. Two magnetic speakers or one dynamic speaker can be used in addition to original dynamic speaker if desired.

Amplifier Specifications

1. 5 Watts Power to speaker voice coils.

2. Field Current for 2500 ohm field speaker.

3. Two Stages, 3 tubes: 1-79, 1-6BS, 1-80.

4. 95 db. Gain at 1000 cycles.

5. Frequency Characteristics Curve, Flat within 1 db. from 40 to 9000 cycles.

Master Volume Control with etched metal indi-

cating plate.
7. Combination Tone Control and A.C. Switch.
8. Output Impedance 7000 ohms.

Input Impedance for Crystal Microphone or Phono

or Radio.

10. Plug-In Input and Plug-In Output.

11. Only .04 volts Input Signal required for maximum output.

num output.

12. Hum level .08 of 1% of total output.

13. Power consumption 55 watts.

14. Power supply 105-120 volts 50-60 cycles A.C.

15. 8-foot Super-Service power cord with plug.

16. Rich baked-on black enameled finish.

17. Overall size, 7½" high, 11" long, 5" wide.

18. Net wt. 7 lbs. Shpg. wt. 10 lbs.

Prices of 5 Watt AMPLIFIER Only -Factory wired. Laboratory tested. Less

J 10029—Fact tubes. List Price, \$25.00. YOUR PRICE J10030 - With three Sylvania





For 105-120 Volt 50-60 Cycle

A. C. Operation

Class

"A"

New Type Stoping Panel

New Type Stoping Panel
Radolek again pioneers another new development
THE SLOPING PANEL . affording 1937
styling and professional appearance far superior to
any other line of Amplifiers. This new Stoping Panel
is finished in a lustrous baked black enamel to match
the rest of chassis. The control Indicator Plates are
of Frosted aluminum with black etched munerals.
Knobs are new style bar type. Radolek Amplifiers
are easy to operate . All component parts are
quality parts . . The Greatest Value for your
amplifier dollar and with superlative performance.



RADOLEK "Junior" PUBLIC ADDRESS AMPLIFIER

For 105-120 Volt 50-60 Cycle A. C. Operation

*Class "A". *Two Stages. *Volume Control *Tone Control. * Plug-In Input and Output ★ Speaker Field Supply. ★ High Impedance Input

● Particularly Recommended for Small Low Priced Installations Such As: Small Call Systems, Inter-Communicating Systems, Store Advertising, Small Auditoriums, Clubrooms, Telephone Boosters and to cover small gatherings where the speaker's voice needs help in covering the entire audience.

For Carbon Mike

A new modern Inexpensive 5-Watt Amplifier with A new modern Inexpensive 5-Watt Amplifier with exceptional power and unusually fine tone quality. For Use with Carbon Microphone. This Radolek Amplaner although priced low was designed by the same engineers, built of the same quality parts and with the same care as the most expensive Radolek amplifiers. At maximum power, provides excellent coverage for indoor Audiences of from 500 to 1000 provides. coverage for indoor Audiences of from 500 to 1000 people or over an outdoor area of from 3000 to 5000 square feet. Installation is simple, easy and fast . . . just a few minutes required. You don't have to he a Sound Engineer to hook-up Radolek Amplifiers. All connections are polarized plug-ins. Anyone can operate this Amplifier. All operating and installation information is included. This Radolek Junuar Amplifier is offered complete in a proofer low evided. Amplifier is offered complete in a popular low-priced Sound System suited for small installations where limited coverage is desired.

5 Watt "Junior" P. A. System **Complete Equipment Includes:**

2-stage, 5-Watt 2Bo Amplifier—A good quality Double Button Carbon Microphone—Microphone Desk Stand complete with eight suspension springs—Double Button Microphone Transformer—4½ volt tapped "C" battery for mike current—8½ in. 2500 ohm field D.C. Dynamic Speaker with output Transformer—Set of Three Matched Selvania or Raytheon Tubes; 1-57, 1-2B6, and 1-80, 20 feet of 2-Conductor Shielded Microphone Cable—10 feet of single conductor shielded Cable with pin tips 30 feet of 3-Conductor Speaker Cable with pin tips = 30 feet of 3-Conductor Speaker Cable with Polarized Plug.

Price of 5 Watt System Complete Ready to Install

J10007 - Complete 5 Watt System as described. List Price, \$40.50. YOUR PRICE

Specifications

- 1. 5 watts power to speaker voice coils. Field current for 2500 olum field speaker.
 2. 2 stages with 3 tubes: 1.57 1 286 1.80
 3. 70 D. B. gain at 1000 cycles.
- From 40 to 9000 cycles.
 Master volume control with etched metal in-
- Combination Tone Control and A. C. power
- Combination fore Control and A. C. prosesswitch with eithed metal indicating plate.
 Output impedance 5000 phms.
 Input impedance by meg. across volume control.
 Plug-in input and plug-in output.
 Only 0.4 volts input signal required for maximum content.

- imum output.
- num output.

 11. For Carbon Mike operation.

 12. Hum level .08 of 1% of total output.

 13. Power consumption 55 watts.

 14. Power supply 105-120 volts 50-60 cycle A. C.

 15. 8-foot Super Service power cord with unbreak-
- able rubber attaching plug.

 16. Bottom protecting plate with four rubber feet
- entirely encloses base 17. Rich baked-on black enameled finish.
- 18. Overall height, 712"; base size, 2½2" high, 11" long, 5" wide.
- 19. Net wt. 7 lbs. Slipg. wt. 10 lbs.

Price of AMPLIFIER Only
J10005 — Factory wired, laboratory tested without
tubes. List Price, \$17.00. YOUR PRICE

J10006—With three Sylvania or Raytheon matched tubes, 1-57, 1-2B6, 1-80. List Price, \$24,00. \$1085
YOUR PRICE

Schematic wiring diagram and complete instructions for operation are included with each Amplifier.

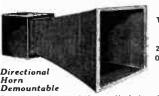


J10043-List Price, \$36.00. YOUR PRICE. \$17.50



PUBLIC ADDRESS SPEAKERS and TRUMPETS

dolek Dynamic Horns



Trumpet

22"x23" Opening. 25" Deep

Demountable

Directional characteristics particularly adapt this speaker for outdoor installations where sound must be carried over comparatively long distances. Comes knock-down, and is assembled by a few machine screws and bolts. Can be taken down or set up in a few minutes. Constructed of 3 ply veneer fully weather-proofed and finished in aluminum. Horn size 22"x23" at opening x 25" deep. Rypeaker housing 15% "x15% "x11" deep. Type A takes speaker with cone sizes of 10, 11 and 12 Inches. Type B takes cone sizes of 10, 8 and 9 Inches. With Housing

4110390 Type A.

4110390 Type A. 4110391 Type B. List Price, \$14.50. YOUR PRICE

\$8.25 Less Housing

4110392 Type A 4110393 Type B. List Price, \$9.50. YOUR PRICE

\$5.40

Flare Type Demountable

With Housing 4J10394 Type A 4J10395 Type B List Price, \$12.00. YOUR \$6.80

Less Housing 4J10396 Type A 4J10397 Type B List Price, \$7.00 PRICE. \$3.95



Same general construction as above horn but has more flare hence is more suitable for Auditorium use where sound must cover a wide angle. Horn size 30"x18" opening by 14" deep.

Directional Baffle For 6" Cone Units

Scientifically designed particularly for use with 67 cone units such as listed below. Has the sound projection qualities of the horn unit type of trumpet yet it retains the full frequency response that is possible only with a cone speaker. Very rugged in construction. Horn is absolutely weather-proof and will stand up under an unusual amount of abuse. Finished in aluminum. All seams joined by a one piece brass welting. Comes complete with brackets for mounting and canvass cover for mouth of horn. Overall size: Bell 30"x30", length 4 feet. Shipping weight 25 lbs.

Public Address Cone Unit For Use with Above Trumpet



6" Cone Diameter List Price Each, \$25.00. YOUR PRICE, EACH

4110716-With 4110717

Volt field excitation.

Has the power handling capacity of the dynamic unit yet retains the full rich tone of a cone speaker. Adapted for use with directional haffle in installations where sound must be transmitted over a great distance. Oversize field coll and correct spacing of voice coil with reference to field make this unit exceptionally sensitive giving a high ratio of accountic output to electrical input. Cone is made of an especially tough paper that will handle enormous volume without breaking down. Extremely flexible spider allows full movement of cone yet keeps it perfectly centered at all times. Will handle 15 watts continuously and 30 waits peak. Vice coil impedance 6 ohms. V. C. diam. 14". Overall size 64" dia. by 54" deep. Shipping weight, 10 lbs. Volt field excitation. 14". Overall size 61 Shipping weight, 10 lbs

Racon Horns and Units



14D10225—Regular: Equipped with met all beaded edge, metal ferrule and suspension ring. Adapted for %"-18 inch threaded unit. For indoor use only. Weight, 6½ lbs.

indoor use List, \$22.00 YOUR PRICE

14D10226—DeLuxe: Equipped with metalbeaded edge, cast aluminum ferrule and suspension ring. For indoor or temporary outdoor use. Weight, 7 lbs. List, \$27.50. \$16.15

YOUR PRICE . 14D10227—Stormproof: Equipped with metal beaded edge, metal ferrule and suspension ring. Guaranteed for one year. For outdoor use in all limates and all weathers. Weight, 9½ lbs. List, 344.00. YOUR PRICE \$25.88

4½ Foot Trumpets

Bell 24" Round

Bell 24" Round

Equipped with rolled-on metal headed edi
and half length cast aluminum tone arm, particularly designed for efficient high frequency trans larly designed for efficient high frequency trans-mission. Bell section of the special non-vibrating acoustic cloth. The two sections can be quickly assembled or dissembled. Three suspension points Equipped with flexible coupling for unit attaching F10233—De Luxe: For indoor use. Weight 13 lbs. List Price, \$44.00. YOUR PRICE

F10234-Stormproof: Guaranteed for all climates and weathers. Weight 15 lbs. nd weathers. Wei ist Price, \$60.50. \$3**5.57** YOUR PRICE

6 Foot Trumpet Bell 30 In. Round

Fi0229—Stormproof: Equipped with mot all beaded edge, cast aluminum throat and 4 inch suspension ring. For outdoor use in all climates and weathers. Weight, 21 lbs.

List, \$75.00. YOUR PRICE. \$44.10

Bullet Projector

List Price, \$16.00. YOUR \$9.40 4110205 - F o r 4310206 - F o r 8" Speaker.

esigned to he used with 8" or 12" dynamic cone speak-

dynamic cone speakers. Sultable for r
Sound Amplification
Systems in which sound must cover a wide angle
but does not have to carry over long distances.
May be used indoors or outdoors. Acoustic padding, and proper air release gives wide range response without ratties or distortion. Opening is
protected by grill cloth and screening. Is of all
steel construction finished in silver. Size 11"
deep, 14" diameter.

Turret Projector

List Price.

\$90.00.

Your Price



A new Horn Projector for use with dynamic cone speakers. Gives the full tonal quality that can be obtained only from a cone type speaker yet gives a distance projection that cannot be obtained with the usual type of baffle. Speaker is mounted in on all steel accoustically damped builtet back attached to horn. Horn is of heavy gauge aluminum with beaded edge and east aluminum coupling. Bronze mounting bracket has ½" pipe thread for mounting. Speaker is 12" dynamic one type capable of handling 10 Watts power continuously. Itesponse is essentially flat from 50 to 7500 cycles. Voice Coil impedance 8 ohms. 1500 ohm field requires 15 Watts dissipation. Other field resistances can be supplied at no extra charge.

Electro-Dynamic Units

For Use on Trumpets or Theatre
Reproducers

Master

750 ohm field for 110 V. D.C. excitation. 15 ohm voice coll impedance at 1,000 cycles. Continuous operating capacity 29 watts. Peak load capacity 50 watts. Lightweight his powered unit expecially suitable for portable systems and permanent installations where heavier units are not required. The perfect reproducer. Weight 13½ pounds, F10237—List I'rice, \$44.00 YOUR PRICE



Super-Giant

Type B Diaphragm
750 ohm field for 110 V. D.C. excitation. 15
ohm voice coil inspedance at 1,000 cycles. Continuous operating canacity 25 watts. Peak load
capacity 50 watts. Perticularly adapted for theatre
and auditorium use where the finest quality reproduction is required. Weight 20 pounds.
F10235—List Price, \$66.00.

YOUR PRICE

Junior

750 ohm field for 110 V. D.C. excitation. 15 ohm voice coll impedance at 1.000 eycles. Continuous operating capacity, 15 to 20 watts. Peak load capacity, 40 Watts. Weight 11 pounds.

4D10238-List Price, \$35.75. \$21.00

PRICE

Type A
Baby Unit

| 1000 ohm field for 110 V. D.C. excitation. 15 ohm voice coil impedance at 1.000 cycles. Continuous operating capacity 5 watts. | Yeak load capacity 10 watts. | Weight 634 pounds.

4D10239-List Price, \$24.75.

YOUR PRICE

High Frequency Tweeter

Built to meet the latest requirements for wide range reproduction. Covers



production. Covers frequency band from 3000 to 8,000 cycles. When used in conjunction with dynamic speaker giving prod low facquency response high fidelity reproduction is obtained over the entire audio band. Field resistance 1000 ohms for 110 volt D.C. operation. Voice coil impedance 15 ohms and will handle 5 watts continuously with 7 watts peak. Size 6%" long overall. Horn bell 3% dia. watts 3"\ d

3" dia. 4110714 List Price, \$20.00. YOUR PRICE \$11.76

Two Path Filter Network

For coupling above speaker and low frequency dynamic speaker to 500 ohm output of amplifier. One path cuts off sharply at 3000 cycles for low frequencies. The other path is from 3000 cycles up for high frequencies. Shipping weight 3 lbs. 4E10715—List Price, \$20.00. \$11.76

41/2 Foot Aluminum Trumpet Single or Double Throat 24 in. Bell F10245—Single Unit Type: List Price, \$50.00. YOUR PRICE \$29.40

F10246-Double Unit Type: List Price, \$57,50. YOUR PRICE

heavy guage all aluminum construction cast aluminum throat, reinforced bell rim, positive clamoing edges, loose coupling for unit attachment. Demountable into two sections. Proper acoustic design to reproduce full range response.

The trumpet horns and units listed on this page are particularly designed and recommended for very large installations where sound must be projected over large areas as in athletic fields, large stadiums, and large outdoor gatherings. For smaller installations we recommend the use of dynamic cone speakers and flared projectors.

UBLIC ADDRESS DYNAMIC CONE SPEAKERS

Rola Electro Dynamic Public Address Speakers

D. C. Model

For field excitation from Amplifer.
Can obtain field supply from Radolek
15, 30, or 40 Watt A.C. Amplifers
complete with Line Transformer.
14J10617 - 1000 ohm field.
14J10618 - 1500 ohm field.
14J10619 - 4 ohm 6 volt field.
List Price, \$21.00.

\$070

Model G-12-121/8 In. Overall Cone Size

The highest recommendation that we can give this speaker is that we have selected it for use with our larger Public Address systems. It is one of the best speaker buys available today. Has a much greater efficiency and power handling capacity than the average P.A., speaker, yet it retains a full rich tone that will satisfy the most discriminate music critic. Volce coil dlam, 1% in. Will carry 12 watts continuously (25 watt peaks) impedance 9 ohns at 400 cycles. Power dissipation of field 10 to 20 watts, 15 watts for best operation. Excellent frequency response between 50 and 7500 cycles. Overall size: height 12% in.; Wildth 12% in., depth 7% in. Shipping weight 22 lbs. Furnished complete with output transformer. Impedance 1000 ohms tapped at 500 ohms. ler.

A. C. Model

A. C. Model

D.C. Field Speaker complete with ex-ternal field exciter unit. Delivers ample current for full field excitation of Speaker. Complete with Line Trans-former and rectifier tube.

14J10622-List Price, \$27.00. YOUR PRICE\$13.20

Rola Dynamic Cone Speaker

Cone Size Overall 121/4"

Although this Speaker does not have the power handling capacity of the model G-12 listed above, it proves an excellent Speaker for use on small Public Address Amplifiers or for installations using a number of Speakers from a large Amplifier. Will handle 8 Watts continuously (12 Watts peak load) with perfect fhielity at any volume level. Voice coil impedance 3 ohms at 400 cycles. Diameter 1 Inch. Power dissipation of field 6 to 10 Watts. Comes complete with mounting base. Speaker size overside the six of the six included.

D. C. Model

For field excitation from Amplifier. Can obtain field supply from Badolek A.C. Amplifiers. Complete with Line

List Price Each, \$16.50 YOUR PRIC **\$695**



A. C. Model

D. C. field speaker complete with external field exciter unit. Delivers ample current for full field excitation of Speaker. Complete with Output Transformer and rectifier tube.

14J10625 List Price, \$22.50, YOUR PRICE

S10.20

Utah 12" Stadium Speaker



Model 12B (15 Watts)

Especially sulted for Public Address installations. Handles 15 watts input without over-loading, with 10 to 15 watts in the field. Cadmium finished steel frame. Improved moulded diaphragm. Diameter 12", overall height 12½", overall depth 6½". Power dissipation of field 10 to 15 watts. Voice coil diam. 1½". Inp., 1.1 ohms. Voice coil dissipation 15 watts. Average 20 watts peak. Complete with universal output transformer. watts transfo YOUR

F10260— List 1500 ohm field Price 1500 ohm field Price F 1 0 2 6 1 - \$12.50 \$735

Model "A" 10" and 12" Speakers Have extra large field pots which bring out the utmost in the diaphragms and provides marvelous fidelity of tone. Cadmium finished steel frames. Moulded ribbed diaphragms. Field dissipation 10 watts. Voice roll diam. 1". Imp., 6 ohms, Pwr., 8 watts. No output transformer included. Less Base.

10 Inch Diameter Depth 43/4"
Your Price, Ea.

F10253—2500 ohm field Your Price, La. F10255—1000 ohm field \$4.41

12 Inch Diameter Depth 6'

F10256—2500 ohm field \$5.29

The unit is of the balanced armature type and is magnetically and mechanically centered. Will handle 0.7 wat power input without ratilling. An ideal speaker for original installation in battery set or for use as an extra extension speaker with sets using dynamic speaker. An excellent speaker for use in public address systems in schools and hotels or for call systems. Makes an ideal magnetic unit to use in the walnut cabinet shown on page 41. Perforated rigid steel frame with mounting holes in outer diameter. Excellent one quality with true hadelity. D.C. resistance of speaker winding 1000 hms. Dia. 8%". Depth 4%". No cord included. F10450—List Price. \$3.15.



\$179

Oxford Chromavox High Fidelity Dynamic Speakers



Concert Auditorium

These models have a pleasing depth and brilliance of tone which is only pussible because of the intense mag-netic flux provided by the extra large

Held Voice coil handles 10 Watts continu-ously with 20 Watt peak. Voice coil impedance 8 ohms. Field should have 15 Watts for best operation, 110 voil 60 cycle A.C. model includes rectifier tube.

volt 60 cycle A.C. model includes rectifier tube.

Sizes
12½" Concert -Height 12¾", depth 91½", baffle opening 11". Wt. 14¾ hls. 14" Concert Height 14", depth 10½" baffle opening 12½". Net weight, 16¼ lbs Shipping weight

121/2 Concert

Freid Resistance

Stock

Number

14J 10646	1000 ohm 4 ohm, 6 volts	\$8.82
14J 10640	A. C. operated	\$13.52
	14' Concert	
Stock Number	Field Resistance	Your Price
14J 10632 14J 10648	1500 ohm 1000 ohm 4 ohm, 6 volts	\$10.58
	A. C. operated	\$15.58

Particularly designed for Public Address use where a large amount of power output must be handled to produce best quality reproduction of both voice and music. New one piece cone with special resilient micarta spider maintains the voice coil in perfect alignment regardless of expansion or contraction of cone diaphragm with temperature changes. Cone is water proofed, Speaker will not be damaged by rain. Voice coil im-

nedance 8 ohms. Exceptionally wide frequency response especially when mounted on large haffle. Output Transformer included. impedance 1000 ohms tapped at 500 ohms.

Junior Auditorium

JUNIOF AUGITOFIUM
Similar construction to Concert Speaker, but uses a smaller field and is
therefore not quite as sensitive as
the Concert model. Voice coil handles
7 Watts continuously and 15 Watts
peak. Voice coil impedance 8 ohns.
Field should dissipate 10 Watts for
best operation. 110 you fo cycle A.C.
model includes rectifier tube.

12½" Junior—Height 12½", depth 8", baffle opening 11". Net weight 19¾ lbs. Shipping weight, 14 lbs. 14" Junior—Height 14", depth 9", baffle opening 12½", net weight 11½ lbs. Shipping weight, 14 lbs.

12½ Junior

Stock Number	Field Resistance	Your Price
141 10631	1500 ohm 1000 ohm	\$6.25
143 10641	4 ohm, 6 volts A. C. operated	\$10.25

	14' Junior	
Stock Number	Field Resistance	Your Price
14J 10649 14J 10633	1000 ohm	\$6.95
14J 10643	4 ohm, 6 volts A. C. operated	\$10.95

ROLA Permanent Magnet Dynamic Speaker



Requires no field current. Especially designed for use in public address installations where it is impractical to supply energy for the field coil. Sensitivity and tone fidelity are comparable to that of the finest dynamic speakers. Vital parts shielded nagainst the entrance of metallic particles and dust. An entirely new construction of the magnetic core gives greatly increased flux density and greater power handling capacity. Welded construction which is used throughout. Supplied complete with 1000 ohm tapped at 500 ohm line matching transformer.

Model PM6

Voice ceil impedance 3 ohms, power handling capacity 5 watts continuous. Overail depth 3\(^{\beta}\) in. Baffle hole projects \(^{\beta}\) in, from edge of conc. Overail depth 3\(^{\beta}\) in. Baffle hole should be 5\(^{\beta}\) in, diam. Shipping weight, 8 ibs.

4E10620—List Price. \$10.00.

\$5.75 YOUR \$6.75

Model PM8

Model PMS

Voice coil impedance 2 ohms, power handling capacity 6 watts continuous. Overall cone diam. 8 m. Magnet projects A in, from edge of cone. Overall depth 4 m. Baffle hole should be 6 m. diam. Shipping weight, 11 lbs.

Utah P. M. "Orthovox" Speakers

Utah P. M. "Orthovox" Speakers

An improved Kinematie Power Loudspeaker with an automatic impedance matching circuit. Uses no field current. Handles power and volume without distortion. Chrome steel permanent magnets acting through laminated pole pieces produce a cinine provide magnetic flux in the 6/thousandins air gap. A heavy laminated pole pieces produce is suspended with phosopher-bronze flexible torque supports. No arrinature pivots to chatter of stick. Speaker will carry 35 Ma. direct current. Onling battery radios, use in sound trucks, as extra speakers on any radio or P.A. system which does not provide field current, we recommend these speakers very highly.

8" Utah Orthovox 4000 Milliwatts Capacity Frequency Characteristic Uniform between 140 and 8100 Cycles.

F102282—For 500 chm Line.
F102294—For 1000 ohm Line.
List Price, \$5.00.

YOUR PRICE. EACH... \$2.35

Found AC **ESSO**1

Shure Micro-Stan

Automatic safety lock holds stand exactly at the height required without screws or nuts. Stand may be extended from 52 to 76 inches. Win Ished in rubber-tone black, doublic-baked Japan. Cabbe entrance in base. Microphone ring is of nickel-base detrominm in standard 6 inch size. Pitted with 8 mst proof springs and convenient "Quickway" hooks. Stand presents a neat, bright appearance after the hardest wear. Shipping weight 25 lbs.

F10050—List Price, \$20.00. PRICE \$11.76



PRICE

Shure 63A Combination

Banquet and Floor Stand JIOO55 List Price, \$12.50.\$7.35

A three piece well constructed combina-A three piece well constructed contina-tion banquet and floor stand especially surjuble for Public Address applications. Adjustable from 27 bg in, to 67 bg in. Modernistic cast from base finished in black winkled enamel dia 7 in. Tub-ing and ring nickel plated. Ring 5 in. dia equipped with "Quickway" hooks and eight rustproof springs. Shipping weight 6 bg lbs.

As above without ring but with adapter for mounting crystal mikes listed on page 100, 110056 -List Price, \$10,00.

YOUR PRICE .. \$5.88

Shure Desk Stand

F10057 List Price, \$3.50. \$2.05 PRICE





Portable Electric Dual Speed **Phono Motor**



14F10711 Same model with special 6 volt D.C. Motor List Price, \$49.50. \$2695

YOUR PRICE

A high quality until designed to match any PA System with high impedance input. Can be quickly changed from 33½ to 78 R.P.M. with simple transmission gear lever Powerful induction motor with manually compensated governor for exact speed adjustiment on any voltage between 105 and 120. 60 cycle A.C. Extra heavy 12" weighted turntable for constant speed regulations—acts as a flywheel on the motor. New model Electric pickup with built-in volume control. High impedance type. Light, strong, netal bound, blackfabrikoid covered carrying case. 1752," wide by 143," deep Height with top closed 7" Furnished complete, ready to operate with 6 ft. A.C. cord and 6 ft phono coupling cord. Works with all models of Radolek Amplifiers and other makes having over 35 D.B. gain with high impedance input circuits. out circuits.

Copyright 1936 by W. C. Braun

Dual Speaker Housing

For Portable P.A. Systems



No Speakers Included. YOUR PRICE

YOUR PRICE
Case is divided diagonally and will house two speakers. When put together case is only slightly latter than case necessary for only one speaker. When set on floor speakers throw sound upward and out into the room. Speakers may be hung trom ceiling and pointed down. When case is closed speaker cones face fabrikoid covered baffle area giving maximum protection against speaker damage. Baffle is hinged so that each section can readily be opened and inner space used for storage of cables, interophonos, etc. Baffle opening is 12% Accommodate speakers up to 13% cone illumeter. Rigidly constructed of faminated plywood covered with durable black fabrikoid. Meal corner guards. Carrying handle will not put out. Overall size 15% high x 15% wide x 15% deep; net weight, 33 lbs.

Portable P. A. Speaker Housing



Will House 8" to 14" Cone Speaker 14E10485-List Price \$7.00.

YOUR PRICE

Durable Fabrikoid covered case with metal corner guards. Designed for use with Designed for use with all types of Indoor all types of Inc and outdoor pul address equipme Ample baffle suri on. For inounting nublic equipment

Ample baffle surface for excellent tone reproduction. For inconting all standard sizes of dynamic and magnetic speakers between 8" and 14" dlameter. Copper screen protects cone from bugs and dirt. Button Fabrikold flap over speaker opening for protection of cone against weather. Extra strong wood frame. Thuroughly impregnated to resist moisture. Specify size of speaker opening desired when ordering. Dimensions, 15"x15"x11"

Construction similiar to above but does not have metal corner guards, protective flap and not quite as well constructed but is superior to other cases sold at about this price.

110487 YOUR PRICE \$3.15

Shielded Microphone and Cable Connectors



Three contact polarized plug and socket covered by heavy chrome plated brass shell, Indestructable and moisture proof. Male and female sections can be locked together by means of a threaded collar forming a perfect mechanical and electrical sheld. Third prong may or may not be grounded to shell as desired.

-3 Prong Male Section. Includes lock-316043-316043—3 Prong Male Section. Includes measuring not. Removal of exp on other end permits screwing into any microphone having 5," threaded hole Size 1½" long, fl." dram.
316044—3 Hole Female Section. Has male thread to receive hacking mit, and spacer sleeve for classis or panel

nounting where shielded connection is

316045-3 Hole Female Section for stand mounting. Has 5k" female thread on one end to fit microphone stands listed in catalog and thread on other end for locking ring.

3/16046—3 Hole Female Section Connector for mounting on chassis on wall plate. Size: ½" long. Requires ½" hole. List Price. \$1.00. YOUR PRICE.

All Aluminum Baffle

For 12 Inch Cone Speakers

For 12 Inch

4 J10355 — Battle

6 only, no speaker includded. List Price,

59.00. S529

PRICE. A directional baffle

particularly designed

for dynamic or permanent magnet cone

s p e a k e r s. Light

weight, rusged construction, resistance neight, rugged struction, re-



speakers. Light weight rugged construction resistance to weather and easy portability recommend this unit for either permanent or portable indoor outdoor Sound Amplifying installations. Gives an even distribution of sound yet has a sufficient flare to reduce feedback difficulties to a minimum. Openings on underside of cone housing provide back pressure relief. Made of spun aluminum and easily demountable into two sections. Two loops are provided for hanging of baffle. Can also be mounted to wall or ceiling by use of standard pipe fitting and connectors. Size: Signaker Housing 12½" dia. 10" dp; Speaker Bell 10" dp, 17" dla.

Floor Stand for Speaker Baffle

14110356—Stand only, no speaker or haffle included. List YOUR

PRICE \$11.76

PRICE

For use with speaker baffle listed above. Particularly recommended for large Public Address Systems that are not permanent or where it is impractical to mount speakers on wall or ceiling. Has extra heavy 18° Dia. Base to prevent the properties of the proper

Wall Surface Speaker Housing

4J10385-F o r 6" Speakers. List Price. \$5.00. YOUR PRICE \$2.94 4J10386—F o r 8" Speakers. List Price.

\$6.00. YOUR PRICE \$3.53 Particularly recommended for permanent indoor Sound Amplifying Sys-tems for Hotels, Schools, tems for Hotels, Schools, Hospitals, Call Systems, etc. Will mount Mag-

Hospitals, Call Systems, etc. Will mount Mag-netic, Permanent Magnet or Dynamic Speakers, Constructed of heavy gauge spun aluminum. Open-ing protected by grill and netal screen. Comes complete with wall mounting fixture and hardware.

All Aluminum Bell Trumpet 31/2 Ft. Bell 22" Round

14110360 st l'rice. \$30.00 YOUR PRICE

\$1**7**64



Three section all Aluminum Trumpet Horn suitable for indoor or outdoor sound amplifying systems. Throat is of east aluminum, balance of heavy gauge soun aluminum. Is light in weight and can be quickly and easily demounted for portable use. Comes complete with standard loose coupling. Size: 3½ feet long. 22° Bell. Shituding weight 10 lbs. 14110361—4½. Foot Trumpet. List Price. \$36.00.

YOUR PRICE

Brush"Tweeter"CrystalSpeaker

For use in holstering up the response in theatre installations. Should Should be response in theatre and I.A. installations. Should be used in con unction with large size dynamic come speakers which give good reproduction on law notes. Prequency response from 3000 to 8000 eveles. No frequency filter needed; Comes complete with transformer having primary tapped at 4, 8, 15 and 500 obins for direct connection to amplifier. Cone direct connection to amplifier.



\$6.00

J2353 -Same as above less special transformer, List, \$7.00. 59¢ transformer. List, 37.00. \$4.20

EACH THE RADOLEK COMPANY

RANSFORMERS for P.A. INSTALLATIONS

Thordarson Line Matching Transformer



T6048
Couples 500 Ohm
Amplifier Output
Line to Voice Coil of Dynamic Speaker Employs the Universal System of Ratio Matching of Impedances

3D4360 List Price \$3,00. \$1.76 PRICE

Permits use of from one to six speakers (using a transformer at each speaker) at full volume, or from two to 12 speakers (using a transformer for each 2 speakers) at half power.

The use of these transformers provides the only satisfactory method of coupling to a single amplifier, several dynamic speakers at widely distributed points. In addition the distribution of power may be adjusted (see diagram below) so as to reduce feedhack difficulties.

Specifications: High inductance primary; 7 tap secondary so arranged that speakers with voice colik having impedance values between 2 and 16 ohms can be balanced to the 500 ohm line with any ombination of speakers—1 to 6 at full volume—2 to 12 at half volume—1 to 6 at full volume—2 to 12 at half volume—1 to 8 at full volume—25 wide, 24,4 deep 15 watt working capacity—25 watt peak. Complete instructions included.

Thordarson T6125 Transforme Single Tube to 500 ohm Line

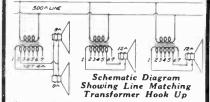
Matches es above transformer in appearance Matches above transformer in appearance. Has Primary terminals and six secondary ratio taps to provide for coupling any of the following tubes to a 500 ohm line: 2.85, 41, 42, 47, 89, 59, 46, 45, 50, or 2.43, class "A". 15 watt working capacity, 25 watt peak. Diagrams included.

3D4.361 List Price \$3.00

YOUR PRICE

Thordarson T6126 Transformer

Thordarson 15126 Transformer Universal Push Pull Tubes to 500 ohm Line Matches above transformer in appearance. Heaville to the secondary ratio taps to provide for coupling any of the following tubes in push-pull to a 500 ohn line: 2.45-41-42-89. 47 59. 46. 45. or 50. Class "A". 15 watt working capacity, 25 watt peak. Diagrams included. 3D4362. List Price \$3.00 YOUR PRICE \$3.00 \$1.76



With two 8 ohin dynamic speakers operating at With two 8 ohn dynamic speakers operating at half power close to a microphone to greatly reduce possibility of microphone feedback. Diagram also shows how to connect in the same circuit, two 12 ohn dynamic speakers operating at full yoliune at distant points, employing two additional transformers. Many other combinations may be arranged to achieve distribution of power and volume. Complete instructions included.



Mixing and Line to Line Transformer

be used in construction mixing panels used for public address, centralized radio, re-cording or broadcast equipment. Mounted in shielded case to pre-vent hum pickup. Frequency vent hum pickup. Frecharacteristic essentially from 50 to 10,000 cycles.

Stock	Primary	Secondary	List	Your
Number	Imped. Ohms	Imped. ohms	Price	Price
3E3856 3E3857	500 or 125 Dbl. But. Mike	200 or 50 200 or 50 200 or 50 200 or 50 200 or 50	4.00	\$2.35 2.35 2.35 1.76

Ribbon Microphone Transformers

Especially designed—high permeability transformers to match the Amperite Superior Microphones. Due to small cenergy pickup, properly matched and designed transformers are very necessary. These transformers exactly fit into base of microphone case.

3E2854—Rihbon to Line 3E2855—Rihbon to Grid 3E2856—Line to Grid 3E2857—Plate to Line

List Price, \$5.00. YOUR PRICE, \$2.94

Thordarson

Double Button

Double Button

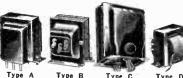
Double button—from microphone to grid. Turn ratio is 1-22. Frequency curve is **xreptionally flat from 30 to over 7000 cycles. Center tapped primary is 100 ohns in mediance overall. Secondary impedance is of the order of 200,000 ohms to match grid of practically any amplifier input tube. Matches impedance of all standard type, carbon, 2 button microphones.

Thordarson Type T-3020. YOUR PRICE \$2.06

Single Button 3F4345—Thordarson Type T-2357. List. \$2.50. YOUR PRICE

\$1.47

Tube to Voice Coil **Output Transformers**



Type C Type D 3F4312—Primary 5000 ohms center Matches plates of Pushpull 2A3 self bias 45's class AB self bias, 48 tetrodes. Sec tapped at 4, 8, 15 or 500 ohms. Type A. tapped. des. Secondary Type A. Size: 3½x2½x3. List Price. \$5.00. Code T-6754.

YOUR PRICE

3F4313—Primary 14,000 ohms center tapped. Matches plates of 2-2A5, 47, 41, 42, 33, 56, 49, 99, and 89 tubes as Pentodes, 79 Class B or 31 tubes. Secondary tapped at 4, 8, 15 and 500 ohms. Figure A. Size: 312½ 12½.

List Price, \$3.75. Code T-6751. 3F4313-YOUR PRICE

3F4314—Primary 8000 ohms center tapped. Matches Pushpull 250°s Class Λ, 2.45°s, 42°s, Class ΛΒ, 2-79°s Pushpull Parallel, Class B. Secondary tapped at 4, 8, 15 and 500 ohms. Type Λ. Size: 3½x2½x3.
List Price, 35.00. Code T-6594. YOUR PRICE

313508—Primary 5800 ohms center tapped. Pushpull 46's or 59's Class B. Pushpull Parellel 53's Class B. Secondary tapped at 4, 8, 15 or 500 ohms. Type A. Size: 3\(\frac{1}{2}\tilde{X}^2\tilde{X}^2\tilde{X}^3\). List Price \$5.00. Code T-6752.

\$2.94 YOUR PRICE 3F4317—Primary 1500 ohms center tapped for Parallel Pushpull 2.33's fixed hlas. Secondary tapped at 4, 8, 15 and 500 ohms. Type A. Slze: 3½x2½x3. List Price, 56.00. Code T-6792.

YOUR PRICE

3F4320—Universal output transformer to match any output tubes single or push pull having not over I waits output to speaker voice coils of %0 to 29 ohms. Type D. Size: 2%x25.

List Price. \$2.00. Code T-5701. \$1.18 YOUR PRICE

Jefferson Phonograph Pick-Up Transformer



Designed for coupling Designed for coupling low impedance phonograph pick-up (on order of 700 ohms @ 100n cycles) to grid of amplifier. Turn ratio 1 to 30. Windings completely shielded in black enameled pressed steel case. Binding post connections. Size 2 %" high 2 ½" wide. Mounting hole centers 2%". Code 467-181.

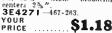
304292-YOUR PRICE

S1.18

Double Button Microphone Transformer

A splendid fully shielded single or double button microphone transformer. Extra heavy insulation to prevent single or double button microphone transformer. Extra heavy insulation to prevent capacity losses within windings and to increase frequency response. Matches standard 2-button 200 ohm microphones or when using ½ the primary winding will match a single 200 ohm button. Size 2%"x 2%"x2%" high. Mounting centers 2%".

3E4271—467-263.



Radolek Double Button Microphone Transformer



Turn ratio 25 to 1. Impedance ratio 625 to 1. Frequency curve is exceptionally flat from 60 crcles to 5000 cycles. Primary is split 200 ohns each side and the secondary impedance is of the order of 250,000 ohns at 60 cycles and 3 wilts A.C. Matches impedance of all standard type, carbon. 2 hutton microphones. Fully shielded in a black enameled steel case. Insulated color coded 6" leads out of bottom. Size: 2%" high. 2" wide. 2½" deep. Mtg. hole centers 2%".

303949 YOUR PRICE

\$1.19

Line to Tube Universal **Input Transformers**

Used for coupling circuit to an amplifier input using practically any type input tube. Also for amptimer input using practically any type input tube. Also for directly coupling single button carbon microphone, condenser or dynamic microphone, low impedance phonograph pick-up, low impedance radio output, or other low impedance line to the amplifier input. Mounted in shield-ed case to present the safety. ed case to prevent hum pickup.
Frequency characteristic essentially flat from 50 to 10,000



Stock Number	Primary Imped. Ohms	Secondary Grid Ohms		Your
3E3861 3E3862 3E3864	200 or 50 500 or 125 200, 400, 600 or 800 ohm	Sgl. 100,000 Sgl. 100,000 Sgl. 100,000	\$3.00 4.00 4.00	

Microphone Input Transformers

A fine quality microphone A fine quality interopnone transformer. Proper design and proper ratio. The same model extensively used by manufacturers of P. A. 378-tems. Core size 3/x1". Overall size 23/x" high, 17/2" wide, mounting holes 23/x" centers Japanned steel frame around core. Solder lug conaround core. Solder lug con-nections. For use with stand-ard 200 ohm per button microphones. 3C4220 For single button "Mike."

YOUR PRICE

3C4221-For two-button "Mike."

YOUR PRICE

94¢

78¢



Three Contact Sockets and Plugs

3C2945-Plug with Porcelain Base PER SET 89¢



312844 - Shielded Microphone Cable Polarized Bakelite Connectors, 98¢

SET

Microphone Plug 3 prong polarized. Bakelite cap will fit

above socket.

3C2947-List Price 65c.
YOUR PRICE

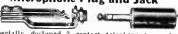




Microphone Receptacle

Receptable for three prong polarized microphone plus. Fits standard switch box. Plate is brown bakelite. size 2\%''\x4\%''. No plug included.
3C2946—List Price \$2.00.
YOUR PRICE

Microphone Plug and Jack



Especially designed 3 contact telephone type plug and jack for use with double button carbon microphone. Very handy for use in construction of mixing panels due to compactness. 3E2845—3 conductor plug only, List 75s.

PRICE 2846-3 conductor jack only, List 50e

PRICE

Page 104

THE RADOLEK COMPANY World Radio History

UND RECORDING Sourment

dine. 8.50. YOUR PRICE

Unit contains: Microphone Transformer, Microphone Volume Control, 4% Volt "C". Battery, Phono-Badio Volume Control, and Phono-Badio changeover switch. Badio or phono signal may be smoothly mixed or faded into microphone signal by proper easy handling of the two volume controls. Perfect fading from full volume to zero misresphene while fading simetimeessly from zero to full volume on microphone, miner phonograph or radio can be accomplished at any volume levidesized. Mixing of the microphone input using voice into a musical background from phonograph or radio can be accomplished at any volume levidesized. Mixing bean fadic input is to a 4 prosp socket of phonograph or radio can be accomplished at any volume levidesized. All parts housed in 18 gauge cold rolled steel. Box finished in smooth Baked-oc. Black enamel. Case size: 7"23%"x4". All connections and controls plainly marked. Mounting hules provided for wall mounting.

Professional Recording Machine Cuts Records Up to 16" dia. at 78 or 33 1/3 R.P.M.



FORGE COMPLETE ... \$285...

YOUR PRICE COMPLETE ... \$285...

A Precision Record Recording instrument for Studies installation. Gives results which are comparable to the best commercial recordings available. Each pair is precision made and is the best available for its particular function.

Mountings of heavy cast Iron give stability to mechanism. Turnshable 16 inches dia. weight 89 (ba.': is lashe turned of solid steel and percetly belanced; runs on special ball bearings rim driven by 1/12th H.P. motor. Special converted the form of the comparation of the converted to the converted of the converted to the converted to the converted of the converted to the conve

Victor and Columbia Double Faced Records

Electrically Car

4E I D736 — Assorts

YOUR \$235 Bold only in assortments of 35 records each. All records are genuine Vieter and Columbia prodsets. Not seconds. factory rejects are cluded. Perfect re-ings by factors Colo set record-is Columbia



cluded. Parter reservaings by famens Goleable
and Viets artists. Fortrets, Walkse, Vocais.
Tangoes, Bands, Marches
by Paul Whiteman, Ted
Wesms, Nat Shilkret, Vloter Salon Orchestra,
George Oisen, Jesse Crawford, Gene Austin, Famnie
Badee, Durke Eilington, and others too numerous
to meation. We altip these records to you in the
exact assortments we receive from the factory. Its
will not be possible for us to state at any time
thinkly what numbers are included in each assort-

Use for Public Address Applications
Although these records are not last minute relesses there will be many current popular numbers.
Especially suitable for sound truck work and automatic phonograph service.

We are preserved to supply complete recording systems. Write to an an give us as many details of year proposed installation as possible. Our engineering department will be glad to recommend the most suitable equipment for year purpose.



lecorder

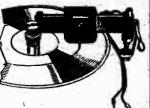
misting of: Center spindle; center head;

Complete Cutting

Stock Number

of Cutter

YOUR



Practical Recording Device for Recording Favorite Radio regrams, Musical accompaniments, Home Movie Sound Ef-ects, Transcription Programs, Advertising Talks, Campaign ocches, etc. It must be us

Species, str. 12. Species, at the street of the street of

Universal Recording Lead Screws



Exact. accurately machined lead acrew. Used with properly weighted pickup and dismond or sapphire recording needle. Cuts and records simultaneously Spaces 80 lines per inch. Only one bele required for mounting. Complete with guide, shoe and outboard bearing. For 10 or 12 inch records. Records from outside to inside.

3E2836—List. Price, \$10.00.

3E2837—For 16 inch Records. Recorder inch. Cuts from inside to outside. List Price, \$15.00. Records 100 lines

YOUR PRICE

Crocker-Wheeler-Western Electric Synchronous Motor for



Operates from 110 volts 80 cycles A.C. only. Self starting, high torque fully synchronous 78.78 R.P.M. motor. Maintains perfect, constant speed under all varying lead conditions: Gives nuch more satisfactory operation than belt driven recorder. Twentable included is perfectly shainseed and of groper weight to give recordings free from "wavers" and "wows" on sustained susical notes. Precision built for a long and efficient life, heavy cast frame, silent running oversite bearings. Whose used with turniable furnished and good quality the finest companion weight (34 lbs. 12 inch turniable. Shipping weight (34 lbs. 14110887—List Price, \$100.00. YOUR PRICE

Description Disphragms

For replactions in any make, stretched disphragms, type miorephone. 24 karat exthede sputtered pure gold spot seems on such side. 0.013 thick. Heat treated. No harmonic distortion. Size 4 inched dis. Can he trimmed to fit. 3C2933—List Price. \$5.00.

YOUR PRICE 302034-001 Duralumin Diaphragm. Without gold spats; Biss 4x4" for condenser microphone. List \$1.00. YOUR PRICE

Progrooved Aluminum Plan



For Home Recording

Universal pregrooved. aluminum discs assure a

aluminum discs assure as greater volume, builliancy and dirability. Discs are double faced, permitting recording on both sides. Available in four sizes—6 in., 8 in., 10 in. and 12 in. diameter. Records may be made with ordinary bluot bome-recording needle and play back with

Stock	needles.	List	Your
Number	Sine 6 in:	Price \$0.30	Price
3F2863	8 in.	.50	200
302864 3F2861	10 in. 12 in.	1.00	17°
		4.5	4.

Blank Aluminum Dises

No grooves. Can only be used with recording sads that cut their own grooves.

Stock Number	Diam.	Approx. Playing Time	List Price	Yeur Price
3F2886	6	1 % min.	24c	140
312887	10	2 min. 3 min.	86c 48c	210
214222	12	4% min.	600	280
312009	. 12	479 8040.	000	200

Victor Home Recording

3C2890— 6" 3F2891—10" 3C2892—11" 3C2893—Need	record record	bet by bet by	e. of t. of	. 1	3
3C2893-Need	lies per	prg. or	8		-28C

Recording Needles

Genuine Sapphire points. For use with above 3E2894—For cutting and recording on ungrooved aluminum record blanks.

3E2895—For recording and reproducing on pre-grouved Victor or aluminum recording disc.

PRICE

3E2896—For cutting and recording on improved colluloid and semi-plastic blanks.

YOUR PRICE

3E2897 Fibre needles for playbeck of alti-YOUR PRICE Per Pies. of 100

Carbon Granules



Carefully a elected and highly polished. Acid treated to reduce sub-content. Will stand higher current without burning. Vial contains sufficient granulose to repact two double-button carbon mis-

SU2030—Sim No. 140. Higher sansistivity and higher background noise. Provides best quality reproduction but packs easily. 3/2031—Size No. 30. Best general purpose granules. Lower hiss, good quality reproduction and does not pack easily.

312932—Size Me. 60. Best for sound trucks and hard usage. Low hiss, more freedom from packing, fair, quality reproduction.
List Price Per Vial, \$1.00.
YOUR PRICE 580

PHONO PICKUPS AND MOTORS

New Webster High Fidelity Pickup Reproduces Standard and New Slow-Speed "Long Play-Unequalled bril-liance and fidelity. Advanced design full nral reproduction

Playing of both 78 and 33% R.P.M Records is ac-complished without the use of any detachable counter weight.

weight.

Recreates the latest transcriptions with the full depth and broad range of the original orchestration. Is extremely sensitive and has unusual uniform response over the entire scale of musical frequencies. Is especially designed to respond without mechanical or electrical lag for the new 33½ R.P.M. slow-speed long playing records. Richly finished in beautiful soft golden bronze. Equipped with a 17½% Cobait magnet, cold rolled steef pole pleers and "A" metal stylus. Suitable for playing all 10" and 12" records.

Less Volume Control

F295t—Model 30.33. Standard High Impedance Type. 17,000 ohms at 1000 cycles use with a 100,000 ohm volume control for uniform response. List, \$9.25.

F2950 Model 30A2. Standard High Impedance. 17,000 ohms at 1000 cycles. With a 100,000 ohm volume control built in the base. List Price, \$10.25. YOUR PRICE... \$6.03

Low Impedance Model

3D2952. Impedance 200 ohms at 1000 cycles volume control. List, \$10.00.

3D2953. Impedance 200 ohins at 1000 cycles With volume control built in the base. YOUR PRICE

Model 31A5 High Output Pickup

Designed for radio receivers and amplifiers having low gain. This pick-up gives an average output of 1 volt so that ample volume may be secured for record reproduction.

Equipped with a 17 1/2 Cobalt magnet, "A" metal stylus and "A" metal pole pieces. Size and appearance same as above model.

F2954—Model 31A5. Standard High Impedance Model, 36,500 ohms at 1000 cycles. With Bull-In Volume Control. List, \$11.25.

YOUR PRICE.

\$6.62

F2955—Model 31A5. Low Impedance Model. 200 ohms at 1000 cycles with built-in volume control. List, \$12.00.
YOUR PRICE \$7.06

Piezo ASTATIC Crystal Phonograph Pickup



3F2965-8" tone arm for playing 10" and 12" records. List Price, \$12.00.

F2966 12" tone arm for playing up to 16" records. List Price, \$15.00.

This type of pickup is considered superior to the magnetic type because of better fidelity and more even frequency response. Frequency response is essentially flat from 30 to 8000 cycles without resonant peaks. Needle seratch and surface noises are at a minimum. Two volt output is higher than obtained with most pickups. Will operate practically any two stage amplifier at full power output. High impedance output connects direct to grid input of any amplifier. For control of volume a 5 meg control is necessary. True accentuation of low or high frequencies can be accomplished by connection of resistors in parallel or series. Due to exceptionally light weight of pickup and pressure of only two ounces at head this unit is suitable for reproduction of 33¼ or 78 R.P.M. records without adjustment or weights.

Improved Automatic Record Changer

Plays and Changes Automatically Eight 10-Inch or Seven 12-Inch Records

or Seven 12-Inch Records

Dual Speed 33 ½ or 78 R.P. M.

This is the lowest priced high grade dependable Record Changer ever offered. Plays and changes a stack of eight 10' or a stack of seven 12' records automatically. Just start the motor and you have practically continuous reproduction of from 30 to 60 minutes duration. Will not set out of order and will give years of trouble-free service. Will not miss records. So reliable that it is suitable for highest grade combination Radio-Phonograph or Automatic coli operated machines. So compact it is suitable for portable systems. Minimum overall space needed, length 14", width 15", height above plate 5", depth below plate 34".

15", height above plate 5", depth below plate 3\%".

Improved 2 Speed Inductive Type Motor
Plays 78 or 33\% R.P.M. records. Lever shifts
from one to other, simply and instantaneously. Any
record may be repeated for encore. Any record
can be rejected. Repeats last record until
switched off. No changes required for playing
manually Simply change for 10" or 12" records.
Specially designed pick-up damed for best quality
reproduction. Finished in lacquered statuary
bronze. Volume Control and on-off switch included. Shipping weight 26 lbs.

Automatic Stop
Automatic Stop Switch can be supplied for \$3.00
net extra. Other voltages and frequencies supplied
to order at slightly higher prices.



• Efficient • Compact

10868 For 110 volt 60 cycle A.C. ist Price, \$52.50.

\$32.45 YOUR PRICE

Same as above but plays and changes eight 10" records automatically and 12" records manually. F10869-List Price \$45.00. YOUR PRICE

illustration shows sug-gested method of mounting either of the either of the above changers. This type of

• Foolproof

mounting 1 s suitable for portable use or mounting in radio cabinet.

New Green Flyer **Governor Controlled** Induction Phono Motor Dual Speed 331/3 - 78 R.P.M.



For "Long-Play" and Standard Records
New Induction type electric phonograph motor
which will play both slow and the standard speed
records. Instantly shifts from low speed 33%
R.P.M. to 78 R.P.M. by simply moving lever.
Centrifugal type governor speed control with wide
range provides a positive means of accurate speed
adjustment and maintenance of uniform speed on
sumply line with fluctuating voltage.

INDUCTION MOTOR—silent operation, absolutely no radio interference. Ruggedly built,
heavy cast frame, oversize self-lubricating bearings, silent running machined gears sealed in oil.
Floats freely on rubber suspended mounting bracket to dampen any trace of vibration. Equipped
with automatic stop switch, dial, escutcheon and
pointers finished in statusry bronze. All mounting
hardware included. Mounts in 8½5% "cut out.
Overall dimensions of motor 8½5%" cut out.
Overall dimensions of motor 8½5%" Stale.
Suspends
3½" below baseboard. Mounting bracket centers
3½"x5½". For operation on 105-120 voits 60 cycle.
Fi O863—Complete with regular 12 inch turn
table. List Price, \$16.50. YOUR PRICE \$0.70

With New Type Weighted Turntable and Automatic-Stop Switch

and Automatic-stop Switch, 14E10865—Complete with new type special weighted 12" turnable which is absolutely essential to good reproduction with the slow speed records. Automatic-stop switch included. rerords. YOUR \$11.40 PRICE

For operation on 6 volt storage battery or any 6 volt direct current source. Current drain 2.8 F10864 -Complete with regular 12" turntable.

List Price, \$24. YOUR PRICE \$24.00. \$14.10 F10866—With weighted turntable and automatic-stop switch.
List Price. \$27.00. YOUR PRICE.. \$15.95

Green Flyer - 78 R.P.M. Single Speed—Governor Controlled Induction Phono Motor

Induction Phono Motor

Same construction as above. Furnished with 10" turntable and complete mounting hardware. No automatic stop included. Motor is rubber suspended from mounting plate. Mounts in cut out 64 "x34". Motor dimensions 64 "x34". Suspends 3" below baseboard. Mounting plate 5% "x54". Mounting hole centers 3"x44". For 105-120 wot 60 cycle A.C. FIO867—List Price, \$12.50.

\$7.35 YOUR PRICE

Any of the above motors can be supplied to order in other voltages and frequencies than those listed, at slightly higher prices.

Portable Phonograph and Automatic Record Changer



14110706 With Magnetic Pickup.

List Price Each, \$75.00. YOUR PRICE \$4150 Record changer has same characteristics as stock No. F19868 listed above. Can be supplied with either crystal or magnetic phonograph pickup as desired. High impedance pickup matches grid input of Amplifier. Carrying Case is rigidly constructed of plywood and covered with weatherproof black fabrikoid. Corners are metal bound. Has carrying space for 8-10" or 12" records. When Case is opened, lid becomes record receiving compartment. Case size closed: 16" wide, 15" long, 9%" deep. Net weight of complete unit 29 lbs. Operates from 105-120 Volts, 50-60 cycles A.f. Other Voltages and frequencies can be supplied at slightly higher prices.

Portable Electric Phonograph

110 V. 50-60 C. A.C. 78 R.P.M.

List Price, \$25.00 Yours 1395

F10708-

A valuable addi-

system either permanent or Portable. Consists of General Electric induction motor. Audak Phonograph Pickup. and combination Volume Control and A.C. switch mounted in Portable Carrying Case. Motor equipped with speed regulator and 10" truntable. Will handle up to 12"—78 R.P.M. records. Pickup is new "balanced" type with light needle pressure lengthening life of records. High Impedance output matches grid of first amplifier tube in P.A. amplifiers or first audio tube in radio sets. Case is covered in handsome brown leatherette and incorporates flush needle cup and record container which will hold up to 10 records. Case size 12%" x11½ "x81%". Shop. wt. 18 hs. Complete with 8 foot power connection cord.



IBHUN-VELUCITY MICROPHUNES

mperite Velocity Ribbon Microphones Model BB-S

For Speech 2847-200 ohn Gutput.

F 2839 Rb H-2000 e h moutput for direct to grid connection when used within 100 feet of Ampilier. List Price. \$32.00.

YOUR PRICE EACH \$18e1

A sign grade slibbum misraphenes that compares favorably its performance to high prise of studie models. No prise of studie models. No prise of studie models. No prise of studie models. Right fidelity of tone is obtained as frequency response is flat within two D.B. between 80 and 9,000 C.P.B. without peaks. Especially designed for speech but can be used for speech but the but is not affected by temperature or hundity. Housed in acoustically correct, sturdy forme and stoding accommendation angle for speecker. Rubber shock absorber installed between bracket and mounting fitting gives protection against jars and vibration. Bottom of case has fitting; threaded % 27 thread for mounting on stand. Complete with instructions.



For Music

Same as above microphone in physical characteristics but differs in electrical characteristics. Has greater frequency response being flat within 2 D.B. from 40 to 10,090 C.P.S. also includes higher grade ribbon to line transformer. Output level—34 D.B. F2848-200 ohm output.

F2843-RB-H-3000 ohm output for disect to grid connection when used within 100 feet of amplifier. List Price, \$42.00.

\$24.70

Model RE-B

Beam Type

Microphone has been designed particularly for in-stallations where feedback is a major problem. Angle of pickup reduced so that feedback can be provided in practically all cases. Electrical and physical characteristics otherwise same as RB-M type above. Complete with line transformer.

F2849-200 ohm output.

F2842-RB-HB-2000 ohm output for direct to grid connection when used within 100 feet of amplifar. List Price. 442-50.
YOUR PRICE, EACH

Medel SR-90

Sandio Microphone #2852—200 chm output. \$12851—SR-56H-2000 chm output for direct to grid con-nection when used within 100 feet of ampHiss.

List \$60.04.

List, 369.08.
YOUR PRICE
Accepted by breadcast oxiding
and P.A. canineers as being
one of the figuest velocity micrephones available teday. Frequency response Fist from 25
to 14.000 C.P.S. Output-65
D.B. No resonant pe a k s
over entire frequency range.
Pickup ranga in front and
back 120 degrees. Pickup
from sides is practically negligible so that accustical feedback and reverberation can be reduced considerably.
Will reagreemen that is not chiral nable from
a full satural tene that is not chiral nable from
their types of microphenes. 35% Cabalt steel
magnets insure extremely long life. Housed in a
handsone ragged bronze and steel
case that will
blend well with any furnishings. Cabalt steel
magnets insure extremely long life. Housed in a
handsone ragged bronze and steel
case that will
blend well with any furnishings. Cabalt steel
magnets insure extremely long life. Housed in a
former wirel standard allows Mike to be
tipoed 45 degrees either forward or backward. Caupling fits,
standard ½" pipe thread. Comes complete with
high permeability nickel alloy 200 ohm line transformer.

Ribbon Volceity Microphones will give Highen's Quality results when used in conjunction with Radolek Hi-Gain Amplifiers discribed on pages 112, 113, 116, 117, 118, 119, 121, 122 and 123,



Hum Free Velocity

High I mpedance type connects direct to grid input of Am-pliner without inter-mediate coup in g

mediate coupying transformer,
Particularly well adapted to High Pidelity Bound pick-up for best quality Public Address, Recording, or Radio Broadcast Installations. No preaming the processor was a second processor of the proces installations. No pream-plifier necessary when used with a high gain am-plifier of 110 DB or more. Can be used near a-c. lines or within two feet of amplifier

more. Can be used near the continuous of the continuous near a.c. lines or within two feet of amplifier power supply with negligible hum pick-up. Transformer core made from extremely high permeability nickle alloy. Frequency response is essentially flat over the entire sound spectrum and extends from 30 to well ower 10,000 c.p.s. This gives complete naturalness to appear and music, Ribbon assembly protected by an attractively formed heavy screen which allows free passage of sound and practically eliminates cavity resonance and side wall reflection. Internal, self-contained, shock-proof ribbon meanting provides complete freedom from mechanical shocks. Handsomely finished in black crackle and chronium. Adjustable cradle and thumb num allow locking of microphone in any position desired. Supplied with 20 feet low capacity shielded rubber covered cable. Standard %7/37 mounting. Special threads and sizes on special order at no extra charge.

and nice on special order at no state charge.

MOOEL Y-2—Excellent results on either speech
or musical reproduction. Incorporates two 36%
Cobait magnets, Armoo pole pieces, tapered to
minimize flux leakage. Output —48 DB.

312938—200 ohms impedance to match kne.
312938—High Impedance to the direct to grid.
List Price Each, 385.00.

YOUR PRICE \$20.58 NOOEL Y-3—A pary suitable microphone for P.A. broadcast and recording the other high fidelity is necessary but price must be encodered. Extremely powerful magnetic circuit employs four 38% cobait magnets. Tapered airmee pole pieces. Magnets placed at ends of pole pieces allowing equalitation up to 14,000 c.p.s. Output: -68 DB. 312990—200 ohms impedance to match line. 312991—High impedance to feed direct to grid. List Price Each, \$50.00.

YOUR PRICE MODEL V-4—One of the fluest microphenes that research has evolved. For use where perfect reproduction is the prime consideration. Employs six 86% Cobola magnets. Output —44 DB. 312992—200 ohms impedance to match line. 312993—High impedance to match prid. List Price Each, 475.00.

Features of the Velocity Microphone

Extreme high fidelity for present day demands. Rugged and will withstand hard usage. Francescy response is not affected by angle

Reduces reverberation by one third over other types of microphones.

Deables the apparent volume without acoustic

Net affected by moisture, temperature or move-

ment.

Ne background voices. Ne exciting current,
Single unercohome can be used to pick-up as
extire, exhectra.

Can be used nearly twice the distance monource of sound than other types of microphomes.

Can be used up to 1000 test from amplifier.

Ille eavity resenance. Sound passes through
the microphone.

F2853-300 ohm output.

F2869-8000 ohm output for direct to grid connection when used within 30 (set of amplifier. List Price. \$30.00. YOUR PRICE \$174

YOUR PRICE SEACH

Olves a practical solution to the difficulties encountered by public speakers in using an amplifying system. Provided with leather strap that allows mike to be suspended on chest. Small size and dark color make mike inconspicuous. Light weight makes mike easy to wear. Microphone responds equally well at any position of the speakers head. Far superior to Lapel microphones. Frequency response 60-7500 cycles within 1 D.B. Output level—65 D.B. Comes complete with 200 chm line transformer built into case, size 1% in. x 1 1/s. Net weight 8 css.



Radolek Special

Microphone Stande

Floor Medel

An erumental fleer stand hullt fer convenience and hard use. Ten lb. cast base keeps stand from tipping castly. Rigid seamless brass two piece standard adjustable from 44 to 72 inches. Priction coupling permits instant and easy height adjustment. Bing 6½" dis. Finished in Polished Chreme and Baked black enamel. Complete with

F10075—List Price, 610.00. PRICE

chuxe Floor Stand A heavy Ostant floor studie and public address was. High quality materials and handsome appearance will satisfy the most critical buyer. Biglossimos adjustable from 49 inches to 72 inches. Heavily weighted 12 25. span brass base keeps stand from typing over easily. Frictical coupling permits from the coupling permits for the coupling permits for the coupling permits for the coupling stand from typing over easily. Frictined overall with the chrome plating. Complete with 8 microphone springs.

F10076 List Price, \$15.00.

Floor Stand For Person P.A. Systems

Friction couplines allow
oney adjustmost from
32" to 67". Can be stored in space
10"231"35". Will fit all Radolek Ampilifer carrying cases. Triple tube
assembly of seamless brass tubing,
Baked Black Ecangel and Chromium
finished. 10" Digt Base finished in
Baked Black Ecangel and Chromium
finished. 10" Digt Base finished in
Baked Black Ecanuel weights 6 bs.
Complete with 6" Polished Ahranaum
ring and eight microphone springs.
11 6078—List Price, \$7.25.

PRICE .

Adjustable Desk Stand Height oan be adjusted from 18 to 24 snahes. Weig bt dibase has hole and open bottom for retring Polish

avertom for any wiring. Poli inches diameter. igluded. Polished Aluminum ring. neter. 8 rust-press writing F2822—List Price, \$7.85.

YOUR PRICE Desk-Stand

A bandsome chromium plated fell size mississes dels stand.
64" dia ring will meant practically any carbon mitrophone. Base \$4" dia. Prevents stand from tipping. Overall height \$4". 8 microphone springs included.
F2823—List Price, \$3.56.

All of the above Stands have 5/8-27 thread coupling and can be used less Ring with any of the Crystal or Velocity Microphones listed on pages 100 and 101 Deduct 95c from price quoted above when ordering Stand without Ring.

Suspension Ring For hanging of Crystal or Carbon microphenes from ceiling. Bine 6½" dia. will fit prestitedly und Crystal or Carbon mihe. Con-atructed of highly polished alum-inum. Complete with B micro-POUR CONFIGNATION OF THE PRICE ST. SO. SO. YOUR

PRICE \$1.47

Microphone Springs

Loop ands. Tempored spring at the prevent resting.

BORY Indiana plated flaish prevent resting.

SC2949—Eight for

THE RADOLDE COMPANY

Copyright 1936 by W. C. Braun

CRYSTAL MICROPHONES

New ASTATIC

Double Diaphragm Crystal Microphones

3J2908-List Price, \$22.50.

\$1323 YOUR PRICE



Hand Microphone Double diaphragm type as above but with Chromium plated handle with "Push to Talk" Switch.

3J2909—List Price, \$25.50. \$15.00 YOUR PRICE

ASTATIC Crystal Lapel Microphone 312910

List Price. \$30.00. YOUR \$17.64



EDGE VIEW

New Type ASTATIC

Crystal Microphone Model K2
For Single or Push Pull
Grid Connection 3J2911-List Price, \$37.50. **\$22**05



PRICE

A new Microphone combining advantages of both the cell and disphragm types of microphones. Has non-directional characteristic and due to the absence of interfering surfaces eliminates cavity resonance and gives a frequency characteristic closely approaching that of a cell type (rystal Microphone or Single disphragm sapplied to each surface give a push pull action increasing the output over cell microphones or single disphragm microphones or single disphragm microphones or single disphragm microphones or single disphragm microphones. Frequency response is flat from 20 to 5000 cycles with a gradually rising characteristic out to 10.000 cycles which will give exceptionally good reproduction on etter speech or music. Output level is approximately —64 D.B. A high gain Amplifier such as described on pages 116 to 122 should be used to obtain best results with microphone. Locking plug and socket are an interral part of microphone. Socket mounts on stand with %-27 thread. Microphone can be removed from stand by means of plug without disconnecting wiring. Unit is Chromium finished with mionel metal screening. Comes complete with 8 feet of two wire shielded cable. Size 3" high 1%" diameter.

We can supply all types of Brush, Astatic, Turner and Shure Diaphragm or Sound Cell Crystal Microphones for Theatres, Churches, Broadcasting Studios, Sound Recording Studios, Better Quality Public Address Systems etc. Prices and Complete Technical Literature is available upon application. We will be is available upon application. We will be pleased to recommend the proper type of Microphone and Amplifier to best suit your requirements.

General Characteristics Crystal Microphones

No Field, Button or Polarizing Current. No Background or other Internal Noises of any kind.

3. High Impedance Output for connection direct to grid of Amplifier Input.
4. Can be Mounted without use of Ring.
5. Very Rugged Construction. Will stand more abuse than any other type Microphone.

6. Will Operate in any Position.
7. Can be Moved Around while in operation without harming Microphone or

causing noise.

8. Not affected by temperature or humidity changes.

9. Can be used with up to 150 feet of low loss Cable in conjunction with proper High Gain Amplifier without frequency discrimination,

BRUSH Sound Cell Crystal

Microphones

Model B2S

3J2928-List Price, \$45.00. YOUR PRICE ... \$2646

Dual Crystal Sound Cell type of Mircrophone. Will give exceptionally fine results on either voice or music. Compared to size and excellent frequency response particularly recommend this mike for use by dance orchestras and in other high quality Public Address Installations. Has better frequency response than diaphragm type microphones which are limited in response due to inertia of diaphragm. Frequency response is flat within i D.B. from 30 to 10,000 cycles. Output level is —66 D.B. Case construction with openings front and rear allow sound to pass through Microphone eliminating distortion resulting from eavity resonance and pressure doubling. Case is of brushed connection is %-27 thread. Overall height 4½". Wide, ½" thick, net weight, 3 oza.

As above but with 3 prong plug and socket, socket is threaded with %-27 thread to fit stand; also includes locking nut to lock Microphone to Stand 312929—List Price. \$47.50.

\$27.93 YOUR PRICE

BRUSH "Spheroid" Cell Type

Crystal Microphone Model BR2S

3J2925-List Price, \$47.50. YOUR \$27.93 PRICE

The ve very latest development in cell type crystal micro-phones from the Brush lab-oratories, originators of the crystal microphone. Provides a non-directional sound pick-

crystal microphone. Provices a con-directional sound pickup with perfect fidelity over
the entire Audio range. Contains no disphragms hence has
a more perfect response than
disphragm types due to absence of inertia present in disphragms. Wire
screening allows sound to pass through microphone
with a minimum of interference eliminating distortion from cavity resonance and pressure doubling.
Two crystals connected in parallel and mounted in
a horizontal plane provide an output of —66 D.B.
Frequency response is flat within 1 D.B. from 30
cycles to 10000 cycles. Screening is satin chromium finished. Band around sphere is also finished
in Satin Chromium. Dia. 2 % overall height
4% Comes complete with 3 prong shielded
plux connector and socket to fit % 27 thread microphone stand. Plug connector includes locking nut.

ASTATIC Watch Case **Double Diaphragm** Crystal Microphone

J2906-List Price, \$25.00. \$14.70 PRICE

A compact size Crystal Microphone well suited to all types of Public Address Installations. Particularly recommended for installations in which Microphone must be as inconspicuous as possible. Non-directional, will give excellent results on either voice or music. Frequency response is flat from 20 to 5500 cycles with a slightly rising characteristic out to 10,000 cycles. Output level—64 D.B. Size: 2½" Dlan, ½" thick. Polished Chromium Finish. For ½"—27 thread Stand Mounting. Comes complete with 8 ft. rubber corred shielded cable. Net wt. less cable 9 ozs.

TURNER Crystal Microphone

Cell Type 3J2970-Single cell type. \$1323

YOUR PRICE \$1323
Four cell Type. Cells are connected in parallel giving higher output, 31297 I—List Price, \$45.00.
YOUR \$26.46 PRICE

A non-directional crystal mlcrophone with small diaphragm mounted on crystal. Recommended for general Public Address use. Especially suited to dance orchestra or vocal music pickup. Frequency response is essentially flat from 30 to 10,000 cycles. Output level is —60 D.B. Wire screening on all four sides allows sound to pass through microphone from any direction with a minimum of interference. This type of construction practically eliminates distortion from eavity resonance and pressure doubling. Case is of polished chrome. Size: 3½ "high and 1½" square. Has female ½" pipe thread for stand mounting. Adapter is included for mounting on stands having %-27 thread.

Shure Crystal Microphone

Diaphragm Type

F2936-Model 70H-Two leads for Single Grid input leads for amplifiers.

F2922-Model 70HP Three leads for Push Pull input grids. Reduces hum pickup. List Price, \$22.50.

YOUR \$13.23

PRICE

Excellent for use on voice or music. Gives a true response over entire frequency range, no hiss or other background noises present. Output level—60 D.B. Mike is rugged and durable. Extreme conditions of heat, cold and humidaty do not impair operation. On iy moderate care in handling is necessary. Microphone can be usen shorn syrings or ring. Mounting Socket is threaded to fit stand with in .27 thread. If desired, ring with mounting bushing can be semoved and suspension hooks which are furnished can be used to mount mike in regular suspension ring Housed in strong handsome chromium plated metal case. 3" diameter, 114" thick, overall height with mounting ring 4½", net weight 1½ lbs. Comes compate with 7 ft. rubher covered shielded cable. Shipping weight 2½ lbs.

Demountable Model

Same as above but furnished with Lock Type 3 contact plug and socket and cable strain release for stand mounting. Very convenient for use where it is necessary to remove mike quickly and easily from stand. J2938—List Price. \$25.00. \$14.70

Crystal Microphone

A new non-directional High Fidelity Diaphragm type Crystal Microphone that will prove nartheularly suitable for use in Broadcast or Public Address installations where sound must be picked up from all sides. Microphone has the form of a sphere and is only 2½" diameter. Sound enters unit through a horisontal siot so constructed to offer complete correction for diffraction, reflection and phase shift effects. Response characteristic is not changed for sound approaching from any direction. Frequency response is within 5 D.B. from 40 to 10.000 cycles. Output level is approximately -55 D.B. By special construction, Cable losses are reduced over other types of Crystal Microphones. Modernistically finished in Baked on Rubber Black Enamel with polished white metal bands. Comes complete with three conductor shielded locking plug and receptacle threaded to fit \$1.27 male thread. Size: 2½" Diameter, overall height 6", net weight only 6 oss.

In order to obtain maximum results and highest efficiency with the Crystal Microphonea listed on this page, High Gain Amplifying equipment must be used. Radolek High Gain Amplifers listed or pages 116 to 122 have been particularly designed to be used in conjunction with either the Cell or Crystal types of Microphones. Full output and highest quality can be obtained without hum or motorboating.







CARBON MICROPHONES

Universal



New Model XX

Two Button

Microphone
Stretched Oiaphragm
Model "XX" confirms
the reputation for quality and performance that characterizes all Univer

characterizes all Universal products. Every essential feature necessary to insure superior performance and long, care-free service has a been incorporated in the design of this model. Only the non-essential 'trimmings' have been eliminated to enable this popular price. Faithful truly natural tone. Pure Gold Contacts. Duralumin stretched diaphragm. 200 ohns per button. Very lnw hiss level. Scientifically Damped. Frequency range from 100 to 4500 cycles. Ruggedly built and finished in non-corrosive, polished chronic plate. Diameter, 2½ in. Overall thickness, 1 in. Made in three degrees of sensitivity: S. very sensitive; M. medium sensitive (standard) and D. highly damped. Specify type desired on your order.

322801—List Price, \$10.00.

YOUR PRICE

Universal "Handi-Mike"



Intended for voice only. Has maximum volume with clear and clean cut speech volume with clear and clean cut speech reproduction. Beautiful pullshed plate finish. Equipped with an "off" and "on" thumb switch and 15-ft. cord. Scientifically constructed with gold faced Scientificative constitutes with good faces that the Mounted in sound damping, resilient felt. Overall length, 6 inches. Size of head, diameter, 2½ inches. 3F281 |—List Price, \$10.00.

Single-Button

\$5.88 PRICE

Double-Button

Highly damped hand microphone, designed parti-cularly for uses where clarity of reproduction and portability are important requisites. Switch breaks the circuit in the center conductor. Rugged construction No delicate parts. 200 ohms per button. Finished in polished chrome plate, equipped with a 6-ft, silk braid covered cable. 3C22813—List Price, \$15.00. 3C2813 LIS YOUR PRICE\$8.82

Aero Type

Double Button Same construction as above microphones except includes ventilated rubber mouth cushion, which excludes outside noises when used for clase talking. Very sultable for aerophanes and P.A. work where feedback is a problem Equipped with opinff switch and 6 ft, rubber covered cable. F2807—List Price. \$20.00.

Shure Model 22B



2 Button Microphone Patents Pending

A large size, high quality 2-button microphone for public address systems and amateur broadcasting. New, amateur broadcasting. New, glazed carbon button discs, adjustable luttons, cathode-spurtered gold-spot stretched dural diaphragm

and claumed by a special process. Quickway hooks patents pending). Screen in the face of the microphone eliminates the need for covers on the stand. Modernistic, bevel edge design.

Operates best at 6 to 8 M.A. per hutton. Limit of guarantee 15 M.A. per button. Total internal resistance: 400 ohms, or 200 ohms per hutton. Frequency resionse 40 to 6,000 cycles. Diameter overall: 1.4%. Shipping weight, 1½ lbs. Packed with wiring diagram, and complete instructions. Highly polished chromium finish.

3E2941—List Price, \$25.00.



Microphone Stand

Amazing Value! All Metal

54" Microphune Ring Stand
for Desk Use. For Single or
Double Button Suspension Type
Microphones. 8" high Fine
appearance Fibre snap switch
in base economizes on microphone current and stops unwanted conversation pirkup between numbers or announcements. Very light weight.

Has 8 suspension springs.

base. 3D2980

Universal Model "BB" Microphone

Two Button

A superlative value for such a low price. Built to hair-line precision. An idea of the ruggedness can be obtained by the fact that Model "18B" is 3 in. in diameter by 2 in. thick. Destigned especially for voice pick-up, public address work and for amateur broadcasters, experimenters, halls, ball rooms, speaker wagons, etc. Finished in Deantiful. highly nolished thick.



halls, ball rooms, speaker wagons, etc. Finished in beautiful, highly polished chrone plate. Extra heavy 21-Kt. Pure Gold Spot Center, Duralumin Diaphragm and has a frequency range of from 70 to well awer 4,500 cycles, 200 alms per button. Owing to the large size and weight of model "BR" it is recommended that Model "L." desk stand be used for mounting instead of Model "K". especially when covers are used. Made in three degrees of sensitivity: S, very sensitive: M, medium sensitive (Standard); and D, highly damped.

3J2802—List Price, \$25.00.

\$14.70 OUR PRICE

Universal Model "W"



The smallest completely protected and workable single-button microphone single-button assemble the sensitive light weight and unusually compact of the sensitive light weight and ohms. Equipped 200 ohms. Equ with Pure Gold Center Diaphragii, pletely enclosed, I dia 4 in. thick.

Perfected Watch Model Microphone

ACK VIEW dia List Price, \$3.00. 312819 \$1.76 YOUR PRICE

Lapel Microphone



2 Button Professional Model

Thin, compact, light in weight. A full fledged 2 button, oatural toned precision instrument. Resistance 200 ohms per button. Frequency range from 40 to 5000 cycles. 2% dia 38% Thick, Wt. 2 oks.

3J2805—List Price. \$25,00. Your Price \$14.70

Shure Model 5B 2 Button Microphone



full sized 2 button mi-pphone. Large frame ikes possible the use of ropione. Larke fram makes makes makes makes makes makes of regular side medicion and makes crophone.

use of two buttons "push-pull" microphonic action is secured that eliminates "squawk" and harsh-ness. Highly polished gold surfaced buttons. Screen in face of microphone eliminates need for covers on stand. Appearance enhanced by modern-latic hevel edge. Highly polished and chromium

plated.

Operates hest at 8 to 8 M. A. per button. Limit of guarantee 12 M. A. per button. Total internal resistance: 400 ohms, or 200 ohms per button. Prequency response 40 to 4000 cycles Diameter overall: 3½, inches. Dlameter of frames.

inches. Thickness overall 1½ inches. Shipping positive in the control of the cont 3 inches. Thickness overall 1 & weight, 14 pounds. 3 E 2940 List Price. \$10.00. YOUR PRICE.

\$5.88

Shure Model 3A

2 Button Microphone F2917-List Price, \$6.50. \$3.82

YOUR PRICE
Suitable for all public address and similar uses where voice reproduction is the main requirement. Buttons have highly polished gold contacting surfaces and disphragm is stiffened for best voice reproduction. Screen protected disphracy bevel edge construction, "Quickway" hooks. Operates best at 5 to 7 Ma. per button Limit of guarantee 10 Ma. per button. Total internal resistance 100 ohms. Size 2½" diam., ½" thick. Nickel finish. resistance 100 Nickel finish

Radolek Special

Two-Button Microphone

Value With Quality

3E2974-YOUR PRICE.

A fine quality double button microphone selected by us after exhaustive tests of this and other makes and offered to you as an unheatable microphone value. Carefully constructed without frills that do not add to

performance. Do not compare this with punch press microphones sold in this price class as this micro-phone is not a toy but a well made and carefully assembled instrument that gives long and trouble assembled instrument that gives long and trouble free service. Button contacts 24 Kt gold. Fre-quency response 50 to 4,500 cycles. Button in-pedance 200 othus total 100 ohns. Frame 2½" diameter and ½" thick. Finish is highly polished chromium plate.

Model "100" Series Electro-Voice Microphones

tive for recording.
3F2901-D. Std. Med. Sens.
3F2902-B. Med. Damp.
3F2903-C. Heav. Damp.
3F2904-E. Special Curve for Reducing Feedback.

YOUR PRICE ...



Your Price...

A rugged, double-button microphone that has proven itself thoroughly reliable and gives faithful reproduction under all conditions. An inherent quality of smoothness is made possible by precision methods of manufacturing. High sensitivity, resulting from scientific damping. Carbon granules are acid treated to reduce ash content and will stand higher current values without injury and have lower background noise. Excellent for voice and can be used satisfactorily for music pink-up. Resistonse 40 to 6,000 C.P.S. One piece luttons, pure 24 kt, gold contacts, protected diaphragm. Heavy chromium plate. A new development is offered in the Model 100E which is especially constructed to reduce acoustical feedback. Its curve extends from 40 cycles and has a very sharp cutoff at 3500 cycles. As most feedback frequencles are above this figure this microphone can be placed as close as 8 feet from speaker and give satisfactory results. This model is not recommended for muste. Size 2½ "x1". Weight 8 uz. Matches standard input transformer (200 ohms. Per Button.)

Model "77" Electro-Voice

3F2905-List Price, \$18.00.

PRICE\$10.59

Reproduces music with smoothness, depth and brilliance. The shadings and inflection of speech



and inflection of specific clean-cut articularion. High clean-cut articularion. High quality double-button type, adaptable to broadcast remote, public address and amateur work. Dlarbrragin is heat-treated-duralunin, perfectly penote, public address and amateur work. Dia-phragm is heat-treated-duralumin, perfectly stretched and is protected by symetrical east grift. (Contacts are 24 Kt. gold finished. May be cleaned hundreds of times without injury. New type but-tons are longer lived and reduce background noise. Response is substantially flat from 35 to 6.500 C.P.S. Size 23/willy. Extra heavy polished chromium finish. Weight 1 lb. Matches standard input transformer 200 ohms Per Button.

KELLOGG Hand Microphone

A perfect inidget hand mlcrophone. Sensitive, rugged—used for
market reports, amateur transmitting, record recording, and on public address systems. Made by one
of the oldest and foremost manufacturers of fine microphones. Responds well to frequencies between
90 and 3000 cycles. Matches 200
ohio input. Operate well co. 100 sponds well to frequencies between 99 and 3000 eyeles, Matches 200 ohm input. Operates well on 1½ volts—and not over 3 volts. Draws less than 2½ milliamperes average current. Phospihor bronze with gold plated contact point diaphragm protected by line mesh screen. Cast metal handle, grounded through the plain wire in the two conductor, 18 strand, 51" tinsel cord. Standard size phone tips. Use with regular 200 ohm microphone input transformer for socal and musical transmission of high quality.

302975—List Price 50.50

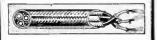
3D2975-List Price, \$8.50. YOUR PRICE.....

Belden Cables

For Microphones, Public Address Installations and Analyzers

And Analyzers

Extraordinary High Quality C a ble are used. The construction of these Made by "Beiden" one of the largest wire manufacturers, noted for the cables climinates all possibility of quality of their products. In making up specifications for this cable the exacting demands of Public Address and is not to be compared with inferiouse have been kept in mind. Only the best quality pure copper wire and the highest grade insulating materials



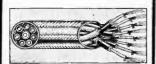
Glazed Braid Overall

Particularly recommended for Connection of Magnetic and Dynamic Speakers on Indoor Installations where cable will not be subject to wear. Also for use as battery cables.

Each conductor size 20 (10 strands No. 30) tinned copper wires, paper wrapped for flexibility and quick soldering, 1/64" rubber insulated and lacquered braid covered. Each covering is distinctively colored for easy lacquered braid covered. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together and covered with brown glazed braid overall. Very Flexible.

Stock | Num. | 10 feet | 100 feet

Number	Cond.	for	for
4F11050	1	8c	\$0.60
4F11051	2	18c	1.47
4F11052	3	31c	2.55
4F11053	4	38c	3.15
4F11054	5	44c	3.67



Analyzer Cable

Analyzer Cable
6, 7, 8 and 9 Conductor
Has Two Heater Leads of size 16
Stranded Tinned Copper Wire. Balance of conductors are size 20, All
conductors are paper wrapped for
flexibility and q u t c k soldering,
covered with a 1/64" rubber Insulation, and a lacquer dipped color-coaled
cotton braid. Individual conductors
are cabled together with a jute fliber
center and are covered overall with a
glazed brown braid. The flexibility
and long life of the cable are greatly
increased by the use of the Jute Filler
Center.

Number	Cond.	for	for	for
3F11056 3F11057 3F11058 3F11059	7 8	32c 36c 41c 49c	60¢ 65¢ 75¢ 80¢	\$5.29 5.88 6.76 7.35



Shielded Covering Overall

Particularly recommended for Micro-phone and other lines that are sub-ject to hum pickup. Although designed primarily for indoor installations this cable is suitable for temporary outdoor

use.
Each conductor size 20 of stranded tinned copper wires, paper wrapped for flexibility and quitek soldering 1/64" rubber insulated and lacquered braid covered. Each covering is distinctively colored for easy tracing. Individual rubber insulated and lacquered braid covered. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together and covered overall with woven shield of size tinned copper wires. Very ble. Perfect Electrostatic Shield. flexible.

Number	Cond.	for	for
3F11061	2	29c	\$2.35
3F11062	3	37¢	3.08
3F11063	4	48c	3.92

Pigtail Wire

The second secon

A braided wire cable made up of very fine threads of copper wire, which gives it extreme flexibility. Use it to avoid high frequency resistance losses.



Rubber Jacket Overall

Rubber Jacket Overall
Particularly recommended for Speaker Lines for Indoor or Outdoor installations where cables will be subjected
to wear and moisture.
Each conductor size 18 (41 strands
No. 31) of tinned copper wires, cotton served, 1/61" rubber insulated.
Distinctively colored for easy tracine.
Individual conductors are cabled together with a jute filler, cotton served
and enclosed in outer waterproof super
service rubber jacket overall. Jute
filler increases the flexibility of cable
and insures long life. An extremely
lexible and rugged cable that will
withstand severe wear.

Stock	Num.	10 fcet	100 feet	
Number	Cond.	for	for	
3F11081	2	26¢	\$2.21	
3F11082	3	42¢	3.57	
3F11083	4	56¢	4.70	
3F11084	1 5	I 68¢ ∣	5.70	



WovenShieldCoveredWith Rubber Jacket Overall

Rubber Jacket Overall
This cable is recommended for Theater, and Outdoor Service on P.A. Systems, as Microphone Cable, Extensions, etc. The Finest Cable made. Very Flexible. Will stand hardest use. Each conductor size 20 (26 strands No. 34) of thined copper wires cotton served and 1763" rubber insulated. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together, cotton served and covered overall with close woven shield of the size tinned copper wire. Over shield is another cotton serve and an outer super-rubber rugged and covered overall with close woven shield of the size tinned copper wire, and covered overall with close move and an outer super-rubber rugged and water-proof covering.

Stock I Num. 11 (feet 1 100 for.

Stock	Num.	10 feet	100 feet
Number	Cond.	for	for
4F11086	2	36¢	\$3.15
4F11087	3	48¢	3.79
4F11088	4	60¢	4.90
4F11089	5	71¢	5.88
4F11090	6	83¢	6.86
4F11091	7	89¢	7.35



New Improved Low Loss **Crystal Mike Cable**

Woven Shield Covered with Rubber Jacket Overall

Particularly designed for use with Crystal Microphones. Absolutely essential where long lines are necessary but practical for use wherever an extremely Low Loss and Low Capacity cable is needed. Single conductor comests of 13 strands No. 36 tinned comper wire, two serves of Celanese, two braids of Celanese, four braids of cotten thoroughly wax impregnated. Covered overall with close woven shield of fine size tinned copper wire. Overshield is a heavy live rubber outer jarket, providing a waterproof and practically wear-proof covering. Outside diameter only 4". Very Flexible and Rugged.

4F11064—10 feet for ... 394 Particularly designed for use with rophones. Absolutely es-

Two Conductor

Two Conductor

4F11085—Same as above except
designed for use with crystal microphones used with amplifiers equipped
with a push-pull input stage.

696 YOUR PRICE, 10 ft. for...

Special Value Radio Cables cables are subjected. Made of good materials and are excellent values at these low prices. Not equal in contruction or in quality to the "Belden Quality Cables" listed elsewhere on this page. Excellent values at these low prices.

Individual conductors are size 18 (16 strands No. 30) tinned copper wires, 1/64" rubber insulated. All leads are distinctively color coded for casy tracing. Cables are listed for practically every application and are made to withstand the ordinary abuses to which



Lead Sheathed Wire

Size 18 single conductor made up tinned copper wire strands with a inch rubber wall, over which is a inch lead sheath.

The only absolutely perfectly shielded wire. Necessary for best results on Low Voltage transmission lines when used in locations near ignition systems for oil-burning furnaces. X-Ray and Electrotherapy high frequency apparatus and other similar devices generating intensive interference. May be used under-ground on anto Ridlo Sets when used in minary circuits of spark-coil. Overall distinctions and the state of the sta

3D2198-100 foot coll. YOUR PRICE\$2.18



2 and 3 Conductor Lead Sheathed Wire

Lead Sheathed Wire
Two and three conductor cable of the
same specifications of the single wire
listed above covered with the lead
sheathing. A necessity for theatre
speaker extension, permanent outdoor
installations and all other work where
freedom from interference is necessary.
Waterproof and weather proof. Completely electrostatic shielded. Recommended as replacement for exposed
wiring feeding small motors or light
equipment. Eliminates primary radiation. equipment.

2 Conductor				
3D2199~50	ft. coil	62 25		
3D2199-50 YOUR PRICE		9 4. 53		
3D2200-100 YOUR PRICE	ft. coil	62 OF		
YOUR PRICE		マス・ソン		
		•		

3 Conductor			
3F2201-50 ft. coil YOUR PRICE	\$4.95		
3F22O2-100 ft. coil YOUR PRICE	\$8.75		

Handy Center-Rip Lamp Cord



New flexible rubber jacketed two conductor cord. Splits exactly down the center when pulled apart learning two periest separate conductors. Conductors are size 18 stranded copper wires with a cotton wrap and individual solid rubber coverings adhered by a special process to make ripping easy. No fraying. Will outwear irractically any lamp cord on the market. Easily cleaned—glossy smooth finish. Underwriters approved.

Stock	Color	10 feet	100 feet
Number		for	for
3F11093 3F11094 3F11095 3F11096	Llack Brown Green Ivory	15e	\$1.25

Extension Cords

For Headsets and Loudspeakers



Fine Stranded Copper Wire Conductors Each conductor rubber insulated and covered with cotton braid. Two such conductors laid parallel with braid covering over all. Cord + Cord tips each end. Length Price

COCK	TACHE LEE	TILLO	100
umber	Feet	Each	For
C2310	10	18c	\$1.7
C2311	20	24c	2.2
C2312	30	35c	3.3
C2313	50	49c	4.6

Glazed Braid Overall



Individual conductors are cabled to-gether and covered with brown glazed braid overall.

Number	Cond.	for	for
4F11000	1	6¢	\$0.52
4F11001	2	16¢	1.32
4F11002	3	23¢	2.10
4F11003	4	29¢	2.75
4F11004	5	37¢	3.30
4F11005	6	42¢	3.85
4F11006	7	48¢	4.10
4F11007	8	58¢	5.10

Shielded Covering Overall



Individual conductors are cabled to-gether and covered overall with woven shield of tinned copper wires.

Stock	Num.	10 feet	100 feet
Number	Cond.	for	for
4F11021	2	20¢	\$1.74
4F11022	3	29¢	2.38
4F11023	4	38¢	3.20
4F11024	5	46¢	3.85
4F11025	6	55¢	4.58
4F11026	7	66¢	5.50

Rubber Jacket Overall



Individual conductors are cabled to-gether and enclosed in outer water-proof rubber jacket overall.

Number	Cond.	for	for
4F11010 4F11011 4F11012 4F11013 4F11014 4F11015 4F11016	23 4 5 6 7 8	21¢ 32¢ 44¢ 55¢ 66¢ 75¢ 88¢	\$1.95 2.93 3.60 4.60 5.50 6.23 7.33

WovenShieldCoveredWith Rubber Jacket Overall



Individual conductors are cabled to-gether and covered over all with woven shield of tinned copper wire. Over shield is an outer heavy rubwith

Stock	Num.	10 feet	100 feet
Number	Cond.	for	for
4F11040	2	28c	\$2.45
4F11041	3	37c	3.30
4F11042	4	50c	4.12
4F11043	5	61c	5.04
4F11044	6	70c	5.95
4F11045	7	80¢	6.69

Cotton Lamp Cord Twisted Pair



Suitable for a great variety of elecstatistics of a great variety of elec-trical wiring applications. Each con-ductor size 18 stranded copper wires, cotton served, and rubber insulated. Tightly woven cotton braid with tracer-over insulations. Underwriter's Ap-

With 1/32" Rubber Insulation 3F11046—Green and Yellow. 3F11047—Black YOUR PRICE, per 100 ft. \$1.45

With 1/64" Rubber Insulation 3F11048—Green and Yellow YOUR PRICE, per 100 ft..... \$1.17



Push-Back Hook-up Wire

Tinned copper wire, cotton serv-ed and covered ed and covered with a paraffined d a m p - p r o o f b r a i d. Simply push back braid when soldering. Then replace it. Copper Core covered

14 am. 20	30114 C	ipper Core
25 Ft. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E1764 3E1765 3E1766 3E1767 3E1768 3E1769 3E1770 3E1771 3E1771	Red Yellow Blue Green Black Brown White Gray Maroon	3E1773 3E1774 3E1775 3E1776 3E1777 3E1777 3E1778 3E1778 3E1780
YOUR PRICE	YO	UR PRICE

3E1772 Ma	100ti 3E1781
PER ROLL 10¢	PER ROLL . 34¢
9 Rolls (One Each Color) for 80 c	9 Rolls (One Each Color) for \$2.95
- C	

Strand Num. 20 (10	ed Coppe strands	
25 Pt. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E1782	Red	3E1791
3E1783	Yellow	3E1792
3E1784	Blue	3E1793
3E1785	Green	3E1794
3E1786	Black	3E1795
3E1787	Brown	3E1796
3E1788	White	3E1797
3E1789	Gray	3E1798

3E1790 N	laroon 3E1799
YOUR PRICE	YOUR PRICE
PER 12¢	PER 42¢
9 Rolls (One Each Color) for 94c	9 Rolls (One Each Color) for \$3.59

Num. 18	Solid Co	pper Core
25 Ft. Rolls Stock Num.	Color	100 Ft. Rolls Stock Num.
3E2000 3E2001 3E2002 3E2003 3E2004 3E2005 3E2006 3E2007	Red Yellow Blue Green Black Brown White Gray	3E2009 3E2010 3E2011 3E2012 3E2013 3E2013 3E2016

3E2008 N	aroon 3E2017
YOUR PRICE	YOUR PRICE
PER 13¢	ROLL 47¢
ROLL 37	ROLL 4/
9 Rolls	9 Rolls
(One Each Color)	(One Each Color)
for SIOR	for \$3 95

Strand Num. 18 (16	ed Copp strands	er Core of #30 Wire)
25 Ft. Rolls Stock Num.	Color	100 Ft. Roll Stock Num
252020	V	

Stock Num.	Color	Stock Num.
3E2020 3E2021 3E2022	Red Yellow Blue	3 E 20 29 3 E 20 30
3E2023 3E2024	Green Black	3E2031 3E2032 3E2033
3E2025 3E2026 3E2027	Brown White Gray	3 E 2034 3 E 2035 3 E 2036
YOUR PRICE	Maroon	3 E 2037

3E2028 Ma	roon 3E2037
YOUR PRICE PER ROLL , 14¢	PER ROLL 49¢
9 Rolls (One Each Color) for \$1.15	9 Rolls (One Each Color) for \$4.05



30-inch lengths. The best quality spaghetti made. Made of high grade cambric tubing impregnated with high insulation transuarent varnish. Different colors can be used to mark different circuit. Don't he fooled by low price spaghetti with gelatin or heap oil impregnation. We know of no other brand on the market to approach our stock spaghetti in quality and our price is positively the lowest for this grade of quality. 3E 2055—Black 3D 2060—Blue 3E 2055—Brown 3D 2061—White 3E 2057—Brown 3D 2062—Gray 3E 2059—Red 7OUR PRICE 10 lengths for

..59¢ 10 lengths for

length only on each spool. Sizes are exact standard B & S gauge. Specifications conform to those given by leading manufacturers for radio apparatus, motor and generator windings, etc. Guaranteed. Quality considered, our prices represent the very best values obtainable.

PLAIN ENAMELED

	ENA	MEL	ED	
	1/2 lb. S	pool	2 lb. S	pool
Size	Stock No.	Your Price	Stock No.	Your Price
14 16 18 20	3F2129 3F2130 3F2131 3F2132	50.16 .21 .24 .24	3F3207 3F3208 3F3209 3F3210	\$0.70 .72 .75 .78
22 24 26 28 30	3F2133 3F2134 3F2135 3F2136 3F2137	.25 .27 .29 .32	3F3213	.84 .93 1.06 1.20 1.35
	1/4 lb. S	pool	1 lb. St	ool
32 34 36 38 40	3F2138 3F2139 3F2140 3F2141 3F2142	.25 .30 .38 .48	3F3216 3F3217 3F3218 3F3219 3F3220	.76 .90 1.16 1.50 1.80

DOUBLE COTTON COVERED

	15 lb. 5	iooq	2 lb. S	pool
Size	Stock	Your	Stock	Your
	No.	Price	No.	Price
14	3F2114	\$0.29	3F3221	\$0.82
16	3F2115	.30	3F3222	.84
18	3F2116	.32	3F3223	1.20
20	3F2117	.35	3F3224	1.35
22	3F2118	.38	3F3225	1.50
24	3F2119	.44	3F3226	1.65
26	3F2120	.50	3F3227	1.94
28	3F2121	.62	3F3228	2.35
30	3F2122	.73	3F3229	2,64
	¼ lb. S	pool	1 1b. S	pool
32	3F2123	.50	3F3230	1.65
34	3F2124	.62	3F3231	2.06
36	3F2125	.79	3F3232	2.50
	Anamat.	Mina	Toble	

DOUBLE COLLEDED

۱		14 lb. Spool		1/4 lb. Spool	
	Size	Stock No.	Your Price		Your
ľ	18	3F2108	\$0.23		\$0.45
1	20	3 F 21 09	.26		.47
I.	22	3F2110	.29	3F2148	.55
Г	24	3F2111	.33		.62
П	26	3 F 2112	.39		.72
1	28	3F2113	.46		.81
Ł	30	3 F 21 6 3	.53	3F2157	.97
Г	32	3F2158	.70		
ı	34	3 F 21 59	.94	i	
н	36	3F2160	1,29		
1	38	3F2161	1.82		
1	40	3F2162	2.56		

High Voltage Push-Back Wire

Till and	V COM	
OVERALL	LACQUER COT	TON TIMMED
WAXED	INSULA- SER	VE COPPER
BRAID	TION Bakdows	WIRE . 4000 \$4-

Voltage Breakdown 4000 Volts
High quality heavily insulated hookup wire. Unusually high voltage
breakdown and insulation resistance.
Joisture prof. Especially of cutent
leakage through the insulation is necessary. Construction: timed copper
work in the continuation of the compound insulated, wax impregnated
outer cotton braid. Insulation and
braid slip back easily.

Stranded Copper Core
Num. 18 (16 strands of #30 Wire)

1272 150 Right.

3F3150-Black,

3F3151—Red. 3F3152—Blue. 3F3153—Green. 3F3154—Yellow.	76¢
Num. 20 Solid	Copper Core
3F3 56—Black, 3F3 57—Red. 3F3 58—Blue.	YOUR PRICE 100 ft. roll
3F3 59-Green. 3F3 60-Yellow.	59¢
3F3161—Brown.	EACH _



Rubber Covered Hook-up Wire

Stranded, tinned Stranded, tinned copper wire covered with a live rubber insulation to withstand any voltage ordinarily used in radio. Best for short leads and case of wiring. Belden 25-foot coils in carion

in carton.
3F2040—Red.
3F2041—Green.
3F2042—Blue.
3F2042—Blue,
3F2043—Black.
3F2044—Yellow,
3F2045 Gray.

}		PRICE Coll
ŀ	1:	2¢
	8ix For	Coils 63 c

Insulating Cement

Saturated **Braided Tubing**

36-inch lengths. The correct size for all general purposes. Fits over sizes 14, 16 and 18 wire and can be used on size 12 wire with little stretching. Thoroughly saturated with a high quality wax impregnation.

3E2052—Red 3E2053—Black 10 lengths for

Magnet Wire Table Showing Feet Per Pound

Size	Enam- eled	D.C.C.	D.S.C.
12 14 16 18 20	49.88 79.4 126.1 200.8 319.0	49.09 77.58 122.1 190.8 297.6	125.6 199.2 314.5
22	507.6	469.5	500.
24	803.	719.	790.
26	1275,	1116.	1245.
28	2024,	1718.	1957.
30	3221.	2591.	3068.
3 2	5102.	3861.	4762.
3 4	8130.	5405.	7138.
3 6	12887.	6711.	10741.
3 8	20492.	8425.	16529.
4 0	34169.	10000.	225 7 3.

Belden Antenna Wire



Stranded Enameled Copper Wire

Stock	Size	Length	f.ist	Your
No.		Ft.	Price	Price
3F3180	7x20	10 0	\$ 1.65	\$0.94
3F3181	7x20	10 0 0	15.75	9.29
3 F 2381	7x22	75	.70	.38
3 F 2382	7x22	100	.85	
3 F 2383 3 F 2384	7x22 7x22	150	1.30 8.20	4.79

Soura	E nam	eled Co	opper \	Vire
3F3182		100	8 1.601	\$0.88
3F3183	12	100	1.05	.62
3 F 3 1 8 4	12	1000	10.00	5.82
3 F 3185		100	.70	.41
3 F 3 1 8 6	14	1000	6.40	3.47
Strand	ed Ti	nned C	opper	Wire

3F3188		1000	7.50	4.35
		Bare Co	pper 1	Vire
3F3189	7×20	1000	\$10.75	\$6.29
3F3190 3F3191 3F3192 3F3193	7x22 7x22	50 75 100 1000	.35 .50 .65 6.50	.21 .29 .41 3.91
3F3194 3F3195 3F3196 3F3197	7x24 7x24 7x24 7x24	50 75 100	.23 .35 .45	.15 .21 .26

Giant Spaghetti

For Insulating Resistors, etc.



	Ea.	Lgth.
<i></i>	1	l8¢

Cambric tubing, To insulate resistors, 1,000 volt insulation. Withstands 350° F. %" diameter, 3 ft. lengths.

Belden Magnet Wire On 5 Pound Spoo!s Plain Enameled

Size	Stock Number	Your Price 5 lb. Spool
16	3F3233	51.76
17	3F3234	1.80
18	3F3235	1.93
20	3F3236	1,95
22	3F3237	2.17
Single	Cotton E	nameled
16 1	3F3238	2.07
17	3F3239	2,16
1734 (.043)	3F3240	2.25
18	3F3241	2.25

Double	Cotton	Covered
12	3F3243	2.12
14	3F3244	2.21
16	3F3245	2.36
17	3F3246	2.45
18	3F3247	2.65
20	3F3248	2.75

Belden All-Rubber Wire For Lead-In and Ground



Insulated with special rubber compound which strips easily 3F2395—No. 8850. 50 ft. No. 14 seven strand. List, 85e. 49¢

3F2396 No. 8851. 250 ft. No. 14 seven strand. List, \$4.00. \$2.35

32¢

3F2398—No. 8853. 250 ft. No. 16 seven strand. List, \$2.25. \$1.30 YOUR PRICE

Belden Shielded Lead-In and Ground Wire

Stranded conductor with heavy easy-strip rubber insulation and overall braid of fine tinned copper wire. 3F239 (-No. 8856. 50 ft. No. 14 shielded. List, \$1.80. \$1.08

3F2392 No. 8854, 250 ft. No. 14 shielded. List, \$8.50, \$4 00 shielded. List, \$8.50. YOUR PRICE \$4.90

3F2394-No. 8895. 250 ft. No. 16 shielded. List, \$6.00. \$3.43 YOUR PRICE

Doublet Arresters

For antennas of the doublet or double doublet type. These aerials use 2 conductor lead-ins and require duplex lightning arresters. Two arresters are combined in a single unit and take the placo of two separate lightning arresters; greatly simplifying installation. Double antenna and ground combined in one unit.



A dependable air gap arrester. Porce-in case 3%"x1% x1" high. 3F2208 18¢

Fact TEN FOR\$1.60

I.C.A. Doublet Arrester



Absolutely weatherproof ounding, Can be insta prounding. Can be installed indoors or outdoors. Made of black enumeled porcelain. Supplied with mounting screws. Special quality carbon resistance pead screws. Specia. tance used.

25¢ YOUR PRICE ... **Duplex Vis-O-Glow**



A \$100.00 insurance policy against lightning, for your radio set, goes with this arrester. Utilizes the same principle of protection that is standard in rallway signaling, police and fire alarm and other important low voltage circuits. This arrester by its Neon glow shows the approach of a storm. glow shows the approach of a storm. Arrester electrodes are suspended in a neon gas tube. No resistance element is used. It is more sensitive than any

Antenna Lead-in Window Strips 19 0

Duco impregnated web covered conductors. Waterproof insulation.
3F2470-12 inches long. Ten for ... 39c; 100 for ... \$2.95

Duplex Lead-In Strip



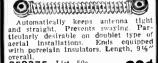
For antennas of the doublet or double doublet type. Highest grade weather-proof braid Insulation. Heavy copper core. 12" long. Mounting serew holes. Serew or spring clip terminals. 312.47 1.

PRICE85c YOUR

Antenna Spring Tightener

Takes up slack in Aerial. 3F2376--Spring only.

Spring Aerial Adjuster



overall.
3F2375—List, 50c.
YOUR PRICE, EACH..................\$2.65

Triumph "Foreign Scout" Doublet



312100 List Price, \$6.00. \$225 YOUR Installation diagram.

- 30/1---4071 TRANSMISSION LINE TO WINDO RECEIVER COUPLER CONNECTIONS IMPEDANCE ADJUSTMENTHINDA SWITTO FOR SHORT WAVE OF COMMENT OR OUPLE'S CAST LEADIN RED ANTENNA GROUND WIRE

Completely Assembleď and Soldered

Ready to Hang 2100—Complete with re-er coupling transformer.

312101—Complete except without receiver coupling transformer. For use on sets with doublet aerial connections (1-Ant. and 2 Gnd's). List Price, \$4.25. \$1.45

or reception of Short-wave or Standard Broadcaston All-Wave or Dual-Wave Receivers

or pulsi-wave receivers
Two 30' aerials connected to duplex
lead-in are coupled to receiver through
shelded set transformer. Capacity adjustment on ser coupler matches antenna to impedance or set—a switch
to adjust antenna for reception of
short-wave or broadcast. short-wave or

Kit Includes:

Rit Includes:
2-30' lengths of #15 solid enameled copper whre with porcelain insulators attached; 1-75' length of two conductor #18 stranded tinned copper wire, rubber insulated, with weather-proof braid overall. Lead-in attached to bakelin Terminal Bluck; 2-Porcelain eye 3" insulators; 2-Serew Eyes; Lead-in Strip; 1-12'4' length of wire for attaching aerial to supports.

5300

Triumph Double Doublet Antenna System

Completely Assembled and Soldered Ready to Hang

3J2102 Complete as il-lustrated with receiver coupl-ing transformer. ing List Price, \$7.50. \$2.75

3J2103-Complete except

with out receiver coupling transformer. For use on sets with doublet aerial connec-tions, (Receivers having 1 Am. and 2 Gnd. connections.) Ant. and 2 Gnd. ex List Price, \$6.00.

YOUR PRICE\$1.95

Peaked for Foreign Broadcasts
 Reduces Interference Noise—

For use with receivers designed to receive World Wide broadcasts.

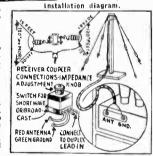
Consists of two separate dual types of aerials, two 30 ft. long and two 15 ft. long—connected to a duplex transmission lead-in which is coupled to the receiver through a set coupling transformer.

Only one mast required for certains.

erection.

Kit Includes:

Antenna assembly consists of 2-15' legs and 2-30' legs constructed of ±15 solid enameted copper wire; 1 extra 50' roll supplied for connections to supports; 6-porcelain Strain Insulators and attached 4-Porcelain eve 3' Insupports, o-porterain strain instantos, all attached; 4-Forcelain eye 3" Insulators; 4-Sorew Eyes; 2-Support Clamps attached; bakelite terminal block attached; duplex Lead-in.



New Tobe All-Wave Aerial Kits



Price List Complete as illus-3F8497--Code 34. trated and described. List Price, \$6.95. YOUR PRICE.....

3F8498 — Essentials Kit Number 35 Includes: 1—Aerial transformer; 1—Receiver transformer; and 50' of transmission line. No aerial wire nor insulamission line. No tors included. List Price, \$4.95.

Noise-Free Reception and Maximum Efficiency with All-Wave or Dual-Wave Radio Receivers.

Designed to keep man-made static out of the rece ver at all frequencies of reception from 500 kilocycles to 15 on the receiver at an irrequestors of reception from 500 kilocycles to 50 negacycles (20 to 600 neters), 75 ft. of aerial is suppilled but this length may be shortened if necessary. Aerial circuit is connected through a shie'ded weatherproof antenna transformer at one a two conductor transmission line to a transformer at the receiver. The receiver transformer is fitted with two 2-position switches to adjust impedance for the most chilent reception on all wave bands. Model 34 Kit includes 75' of stranded No. 21 bare copper wire; 50' Two conductor transmission line of No. 22 stranded copper wire emduters, rubber insulated and braid covered overall; 25 ft. No. 18 stranded rubber covered ground wire

Arresters

For antennas with only a single conductor lead-in. Use the arresters listed on the left side of this page for the new doublet type of antenna.



A dependable air gap type arrester. Porcelain case. Shpg. wt., 10 oz.

3F2207-Each TEN FOR 40c

Belden Bakelite Lightning Arrester



Moulded hakelite body. Sultable for the inside or out of doors. Sturdy, cliable. Underwriters standard, Fur-Reliable. Underwriters standard. 140 nished with \$100.00 lightning damage

guarantee. 3F2379—List, 25e. YOUR PRICE..... 14¢

TEN FOR\$1.35 **Brach Storm King** Arrester



Made of genuine bakefite. The original non-air gap type of arrester. Over six million now in use. Tested to meet the requirements of the National Board of Underwriters. Shop, Wt., 1 pound. Monthing serews supplied.

3F2211—List, 50e.

286

28¢ YOUR PRICE Brach Duplex Storm King 3F2210 -List, 90c. YOUR PRICE.....

Glass Arresters



Rase of elear crystal glass. lement held between brass conductors, learly visible. \$100.06 insurance with

47¢

3F2224—List, \$1.00.

0

ELECTRO-STATIC Lightning

Has choke coil and condenser connected between aerial and set terminals which act as a static and noise reducer and filter. Sold with a \$100.00 free insurance bond against lightning.

3F2463—List Price, \$1.00.

43¢ YOUR PRICE

Bargain Ground Clamp



Channel Ground Clamp



Reinforced frame. Reinforced frame.
Teeth cut through rust
and paint. Separate
screw for attaching
wire. Fits pipe up to
116 inches diameter.
3F2439— 5¢ EACH

Ten for Рег

isulators

Wall Insulator



For supporting or instruments, or may be used outside for supporting lead-in or ground wires. Glazed brown Muts and For supporting wir-

3E2233—4 inches long.

Ten for. 46c_ 3E2234—5 inches long.

Screw Eye Insulator



3F2238-With 7 Inch long screw. 4¢

Each
Ten for 35c
100 Lots, \$2.75
For attaching lead-in or
ground wire to posts or
side of building. Center
of porcelsin, mounted in
galvanized screw eye.
Shpg. wt., 4 oz.



Nail Knobs

Glazed, white porcelain insulators. Separable cap with base, Assembled together with nail having leather washer under head. Ready for use. Grooves for two wires. For lead-in or ground wires. Diameter 1½ in. Height, 1¾ in.

17¢ 3F2223-Per Hundred\$1.55

Porcelain Insulators



Made of porcelain. 4 inch lengths only, For finest antenna installations. Shpg wt., 6 oz.

3E2229-4 Inch. Price Ten for65 c

Porcelain Strain Insulator

Designed especially for insulating extra long neri-als or guy wires. Extra strong. These insulators will help prevent antenna troubles. Shpg. wt., doz-en, 4 lbs.





Special tempered glass unaffected by heat or cold or other atmospheric con-ditions. Finest quality. Approximately 3½ in. long. 3E2231—Ten for29¢ Per Hundred\$2.65

Baby Insulator

For suspending wire inside of house. Rubber insulator. Screw 11/2 in. over all

3E2240-Per box of 10 18¢

Copyright 1936 by W. C. Braun

Noise Reducing Transmission Lines

For All Aerials Using Two Conductor Lead-In



Exactly the Same as supplied with the Phileo and Tobe All-Wave antenna systems and the Radolek Dual Antenna

your Price

Glazed porcelain deeply corrugated to prevent leakage. Holes at each end for attaching wires. Shg. wt., ½ lb.
3E2232-2½ inches long.
100 Lots, \$1.75

SE2233-4

Systems and the Radolek Dual Antenna All-Wave System.

Consists of two conductors of size 22 stranded tinned copper wires. Each conductor is cotton served and rubber conductors are twisted together and covered owerall with a weatherproof impresnated cotton braid. A overall diameter. A high quality cable suitable for use with any doublet, double doublet or any type of aerial requiring a two conductor lead-in.

3F2260-50 foot roll.

YOUR PRICE

3F2260—50 foot roll. YOUR PRICE
3F2261-100 foot roll. YOUR PRICE
3F2262-500 foot roll.



Exactly the Same as supplied with the R.C.A. "World-Wide" Double Doublet the new R.C.A. R.K. 40 and Radelek Double Doublet All-Wave antenna systems.

Double Doublet All-Wave antenna systems.
Consists of 2 conductors of size 20 stranded tinned copper wires, rubber insulated (one red and one black), covered overall with a weatherproof cotton braid. If additional lengths are required for installation of the R.C.A. or Radolek Double-Doublet aerials a second 80' length should be purchased and taped to the first 80' length supplied with these kits. Above 160' transmission line may be cut to exact length required. Satisfactory for use with any aerial requiring a noise reducing two conductor transmission line. 37:2088—List Price, \$3.48, YOUR PRICE.

.....93¢ (80 foot roll) . 3F2262—500 foot roll. \$3.45 3F2094—500 feet. \$5.50

Aerial Kits-Priced Right **STANDARD**

KIT CONTAINS:

50 ft. No. 7/26 stranded aerial wire; 25 ft. rubber covered lead-in wire; 1 approved lighting arrester; 2 porcelain insulators; 1 ground clamp; 1 window lead-in; 2 porcelain nail

3F2075-YOUR PRICE 37¢



SPECIAL

75 ft. No. 7/26 stranded aerial wire; 50 ft. rubber covered lead-in wire; 25 ft. ground wire; 1 standard approved lightning arrester; 2 porcelain insulators; 3 porcelain nail knobs; 2 galvanized screw eyes; 1 window leadinstrip; 1 ground clamp; 1 instruction sheet.

3F2076-YOUR PRICE

KIT CONTAINS:

63¢

Adjustable Tubular Steel Masts

Steel Masts
Strong telescoping masts made of high carbon steel tubbing. Baked green enamel finish. Base adjustable to fit any roof angle. Simply nail or screw base to roof and bend upright. Masts are fitted with guy wire discs at top and guy rings at intermediate sections. A clamping device locks sections at a ny height. Length collapsed 50 inches.

3F10210—Two Section. Extends 7 feet. Shog. Wt. 5 lbs. List, \$1.75.

YOUR PRICE \$1.17

3F10211-Three Section. Extends 10 feet. Wt. 7 lbs. List, \$2.75. YOUR PRICE \$1.83

3F10212—Four Section. Extends 13 feet. Wt. 10 lbs. List. \$3.75.
YOUR PRICE\$2.50

0 Adjustable Guy Anchor

3F2227-Each. 10¢ Ten for 80c

Solid Rod 4 Foot Mast

* FOOL MASS
Made of rust-proofed, solid
steel. %" rod. Base fits
flat or sloping roof. Mass
be attached to side walls or
ends of building Fitted
with a large, double groove,
porcelain insulator for positive separation of aerial and
guy wires. Ship. wt. 3½ guy lbs. Supplied without serial er guy wire.

YOUR PRICE

Ground Rods Copper Plated

Made of hard drawn steel wire. Pointed for

e a sy driving.

Heavily copper plated for rust presention and insures positive electrical grounding. Screw type clamp. %" Dia.

3510215-4 Foot Ro.

YOUR PRICE, 28¢

Ten for \$2.65 3F10216—6 Foot Rod. YOUR PRICE, 280

38c

LYNCH Hi-Fi Simplex All-Wave Aerial

For the reception of broadcast and short-waves on All-Wave receivers. Provides efficient reception and noise Provides efficient reception and noise reduction on wave lengths from less than 2 to 600 meters. One 114' aerial and another aerial, not to be less than 2' are employed. Aerials are connected to a dual lead-in and to the receiver through a receiver coupler which matches the aerial and lead-in to the receiver impedance. Kit includes:—
125' of stranded No. 22 Heavy Hi-Mho antenna wire; 35' —2 conductor Glant Killer Lead-in of Stranded No. 20 enameled wire, cambrie wrapped, laid parallel with heavy rubber jacket overall; 1—HiF1 Receiver Coupler; 1—3"
Stand-off Insulator; 2 Nail knobs; 3
Navy Type Insulators; 1 Porcelain tube.



\$405

Transposition Blocks



For bringing down a trans-posed lead-in. Extremely durable. Made of a special moisture-proof glazed por-celain material. The greatest possible signal strength can secured with these blocks. YOUR PRICE EA. .. 5¢

10 for45c

Cage Aerial Spreaders

For use wherever a case type of aerial is to be employed. Constructed of special moisture-proof glazed porcelain material. Electrical losses are reduced to a minimum.

3E8551-8¢

YOUR PRICE, EACH 10 for 75 c

Antenna Spreaders

Reduces elec-trical 10 s s.

3J8578—3½" long glazed. 3J8579—6" long glazed. YOUR PRICE, EACH 12¢

Airplane Insulator



Cross-Over Insulator



3F2220-YOUR PRICE, EACH 5¢

10 for 19c

Ten for 47 c

Size: 2½x3x% inches. For use with double-doublet antenna systems. Made of a high quality glazed porcelain. Will not absorb moisture.

Antenna Crossover Insulator



YOUR PRICE, EACH 29¢ Ten for \$2.75
For use with double-doublet aerials.
Strong glazed porcelain. Size 6x10".

Porcelain Wall Tubes



3F2218-6 inches long. YOUR PRICE, EACH..... Ten for 25c bringing lead-in int

Eliminates any possibility of signal reduction due to cutting of wires or leakage. fo" hole.

Galvanized Guy Wire For Supporting Aerial Masts



3F2226-50 foot Your Price .. 17¢ Ten rolls for \$1.60

A special grade, tough, non-stretching galvanized wire. Annealed for handling.

Universal Coupler 3J8554-List, \$1.00.

PRICE 29¢ YOUR

Matches any aerial using a two wire lead-in to any receiver input eircuit impedance.



put elreuit impedance. Increases effectiveness of the aerial and de-creases noise pickup of lead-in. I stalled at receiver. With diagram.

Stranded Phosphor **Bronze Dial Cable**



5 100t spool	·· 4 47
3F9251— 50 foot spool	\$1.39
3F9252—	
Right size, flexibility, and	l strength
for any make drum dial. dividual cables each cons	
coron fine strands of phoeni	has beange

seven fine strands of phosphor bronze wire are scientifically braided to-gether and around a strong center fibre cord making a cable 42" diam-eter. Best quality cable made.

Braided Bronze Dial Cable

Linen Dial Cable

Made of finest linen. Tightly braided. Tensile finest braided. Tensile strength 150 lbs. Used on the R.C.A. and Ma-jestic No. 5 2 sets, Ford V-8



R.C.A. and Marjestic No. 52
sets, Ford V-8
and G.E. Model
B - 40 A uto
Radio and other Receivers. Dlam.
Approx. 5".

Light Linen Cable
3F9256-25 foot spool.
77¢
2FQ257-100 foot spool.
\$2.65

YOUR PRICE 88¢

Universal Coil Winder



For winding Honey Comb. Spider Web and Solenoid Coils of different widths and diameters. Will use wire of different gauges. Accurate coils can be made. Equipped with necessary accessories for winding various types of coils. Has a recorder with adjustable pointer for counting number of turns. YOUR PRICE

Wire Stripper 3J4577-YOUR PRICE9¢

Strips insulation from radio wires easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness and last for years.

Stick Tape Aerial

Interior and Auto Use.
3F2299—
List, \$1.00.
YOUR PRICE 36¢



10 for \$3.20
Sticks on any surface. Metallic alloy of great capacity adhesive rubber coating on back. Clip terminal, Easily installed. 40 fect to the roll.

Drive Cables, Bands, Belts For Standard Receiver Dials

Prices are for Belts, Cables or Cords complete as required on original

The size, materials and	l make-u nal equip	cified.
Make of Set	Stock No.	Your Price
ATWATER KENT 30 (Belts: Set 35, 37 of 2 Left 40, 46 and 52, 53, 55 right) 32, 36 (Belts: Set 42, 44 of 3 Left 60, 61 and right)	3F9261 3F9262 3F9263 3F9264 3F9265 3F9266 3F9267	15¢ 15¢ 15¢ 15¢ 24¢ 24¢ 24¢
BALKEIT All No's-Drive Cable	3F9268	24¢
BOSCH 28, 29, 825-Drum Cable 28, 29, 825-Cable w/	3F9269	15¢
spring 48A-Drive Cable 58, 60-Drive Cable 58A-Drive Cable 260, 312, 250-Cords and	3F9270 3F9271 3F9272 3F9273	24¢ 15¢ 15¢ 15¢
405-Cords and Lugs	3F9274 3F9275	21¢ 18¢
BREMER-TULLY 14, 21, 31-Cords & Lugs	3F9276	15¢
BRUNSWICK 8-14, 21, 31-Cords and Luigs 15, 22-Wide Belt-Front 15, 22-Wide Belt-Rear	3 F9277 3 F9278 3 F9279	15¢ 24¢ 24¢
CROSLEY 40s,60s,804-Drive Cable 120 series-Drive Cable 601,602,607-Belt:Spring	3F9280 3F9281 3F9282	18¢ 18¢ 21¢
All No's-Drive Cable	3F9283	24¢
50-Drive Cable	3 F 9 284	15¢
FREED EISEMANN NR60-Belt	3 F9 285	18¢
FRESHMAN N-12 Heavy Cable	3 F9 286	24¢
GENERAL ELECTRIC B40-C41-Auto Drive Cord	3 F9 287	15¢
GENERAL MOTORS "A"-120-Drive Cable Long	3F9288	24¢
KELLOGG All No's-Set of 2 and springs	3F9290	30¢
KOLSTER 5J. 6K-(cord w/beads K20, K45- on end) 43, 44-Extra Heavy Cable	3F9291 3F9292	24¢ 24¢
	3 F 9 2 9 3	30¢
MAJESTIC 70.71.72-Exactly dupli- cates original (42 strands) 70.71.72-(18 strands)	3F9294 3F9295 3F9327	12¢ 09¢ 15¢
15B Lazyboy-Special Belt 52, 60-Linen Cord	3F9296 3F9297	24¢ 15¢
PHILCO 15-Linen Cord 16 (Code 125). Linen Cord	3F9298 3F9299	15¢
Cord 16 (Code 126). Linen Cord 18, 44-Linen Cord	250200	15¢ 15¢
18, 44-Linen Cord 65, 76 (Set of 86, 87 2 95, 551 Heavy Cables) 71, 91, 96 (Linen 111, 112, 112A Cord) 144-Linen Drive Cord	3F9302 3F9303 3F9304 3F9305 3F9306 3F9308	36¢ 36¢ 36¢ 15¢ 15¢
R.C.A. VICTOR 16, 17, 18-Drive Cable 33-Linen Cord 42, 48-Linen Cord 44, 46, 47-Drive Cable 80, 82, 86-Linen Cord 64, 67-Heavy w/con-	3F9309 3F9310 3F9311 3F9312 3F9313	1
nector B14, R15, R17-Linen Cord	3F9314 3F9315	60¢

M34, M105-Drive Cord 3F9316 156

3F9321 186

3F9324 30¢

3F9326 304

SPARTON All No's-Drive Cable

STEINITE All No's-Drive Cablo All No's-Belts: Set of 2

TEMPLE

springs

ZENITH 17-Long Belt

Twisted Pair Lead-in Wire



RUBBER COVERED

Over Each Conductor
Each conductor is of No. 18 (16x30)
stranded tinned copper wire with a
\$\delta^{\pi}\$ rubber wall. No outer braid
overall.

3F2150-50 Ft. Roll. ... 55¢ YOUR PRICE -100 Ft. Roll. 3F2|51-100 Ft. Roll. YOUR PRICE 94c 3F2|52-250 Ft. Roll. \$2.25 3F2 | 52-250 YOUR PRICE \$2.25

RUBBER COVERED

With Cotton Braid Overall
Each conductor is of No. 20 (10330)
stranded tinned copper wire, lateral
paper wrapped, & rubber covered,
twisted together and a heavy weatherproof impregnated cotton braid overall.

3F2325-25 YOUR PRICE

SOLID ENAMELED

Cotton Braid Over Conductors
Each conductor is of No. 19 solid
enameled copper wire, cotton served,
impregnated cotton braid covered.
Color coded. Twisted together. No
outer braid overall.



SHIELDED SOLID ENAMELED

Cotton Braid Over Conductors
Each conductor is of No. 19 solid
enameled copper wire, cotton served
and covered with an impregnated cotton colored braid. Conductors are
twisted together and a hare copper
shield is tightly woven overall.

YOUR PRICE ... Roll. 85¢ 3F2348—100 Ft. Roll. 91.62 YOUR PRICE ... \$1.62 3F2329-50 Ft. Roll. YOUR PRICE 3F2349-250 YOUR PRICE

Single Conductor Lead-in Wire

Copper wire, cubber insulated, Used for lead-in and ground wire. Also makes good aerial wire, Gauge No. 18.

Solid Conductor—Rubber Covered With outer weatherproof braid.

'eet	Coil	Ten Colls fo
25 50 100	\$0.11 .21 .41	\$1.0 2.0 4.0
	25 50	25 \$0.11 50 .21

Stranded Conductor ber Covered—No outer b

Stock	Coil	Per	Ten
Number	Feet	Coll	Coils for
3F2169 3F2170 3F2171 3F2172	25 50 100 1000	\$0.10 .19 .37 3.60	\$0.97 1.84 3.65

Test Prod Lead Wire

Flexible rubber covered stranded copper wire, equivalent to size 16. Copper wire, equivalent to size 16. Copper wire, equivalent to size 16. Copper size over which is a live rubber covering over which is a live rubber covering by thick. Over this is a lacquer saturated tight cotton braid. Will atthistand highest voltages encountered in radio test work.

3F2080—Red 3F2082—Green 3F2081—Black 3F2083—Yellow 3F2079—Blue 3F2084—Purple YOUR PRICE Each 25 Ft. Roll.....

100 Ft. for . . . \$ 1 . 1 O

Copper Aerial Wire



Hard-drawn high grade copper wire. Practically no stretch. Excellent for every aerial requirement. Guaranteed full length and gauge as specified. Our prices are the lowest for wire of standard gauge, full length and highest quality.

Stranded Bare Copper

Stock Number	Size	Coil	Per Coil	Ten Colls
3F2175	7x26	50	9¢	\$0.80
3F2176	7x24	50	14¢	1.32
3F2177	7x22	50	16¢	1.55
3F2178	7x26	75	13¢	1.24
3F2179	7x24	75	18¢	1.75
3F2180	7x22	75	22¢	2.09
3F2181	7x26	100	17¢	1.65
3F2182	7x24	100	22¢	2.10
3F2183	7x22	100	29¢	2.75
3F2331	7x26	250	41¢	3.90
3F2332	7x24	250	56¢	5.32
3F2333	7x22	250	71¢	6.65

Stranded Enameled Copper

Stock Number	Size	Feet	Coll	Coils
3F2334	7x26	50	12¢	\$ 1.05
3F2335	7x24	50	17¢	1.60
3F2185	7x22	50	20¢	1.95
3F2336	7x20	50	45¢	4.28
3F2337	7x26	75	17¢	1.61
3F2186	7x24	75	25¢	2.38
3F2187	7x22	75	32¢	3.04
3F2338	7x20	75	63¢	5.89
3F2188	7x26	100	22¢	2.10
3F2189	7x24	100	33¢	3.13
3F2190	7x22	100	39¢	3.75
3F2339	7x20	100	82¢	7.79
3F2340 3F2341 3F2342 3F2343	7x26 7x24 7x22 7x20	250 250 250 250 250	54¢ 79¢ 97¢ \$1.95	5.13 7.50 9.22 18.53

Solid Enameled Copper | Coll | Pos | Tan

Number	Size	Feet	Coll	Coils
3F2344	10	100	75¢	\$ 7.25
3F2192	12	100	45¢	4.45
3F2191	14	100	31¢	2.95
3F2345	10	250	\$1.95	19.00
3F2346	12	250	1.16	11.40
3F2347	14	250	.74	7.26

Shielded Lead-in and Ground Wire



Size 18 stranded inner conductor. Rubber insulated with outer braided shield of tinned copper wire. When used as lead-in, by grounding the outer shield, the tendency to pick up manded statle between aerial and receiver is practically eliminated.

3E2 95-50 foot coil.	AEA
3E2 96-100 foot coil.	204
EACH	. 005
3E2194-250 foot coil.	2 15
EACH	2.13

Indoor Aerial Wire



For A.C., D.C. Sets. 3F2074—60' coil. YOUR 29¢ PRICE 3F2089-125' coil. YOUR PRICE 50¢

Extremely Flexible. A well insulated stranded conductor is covered with a brown cotton braid. Will not kink and can be easily concealed. Also suitable for loop aerials.

18¢ 18¢ 3F9322 3F9323

Toggle, Push Button, Rotary and Knife Switches

Toggle-Panel Switches

Miniature Size

Underwriters approved, 3 amp., 125 V.—1 amp., 250 V. For controlling radio sets, small motors, lamns, meters, etc. Mounting sleeves all \$8" diameter. Two lockbutts included. Veryrugged. Best quality. H. & H. brand, Laminated bakelite or fiber insulation. Solder lug connections.

Single Pole-Single Throw

2 Connections



Simck	Sleeve	Price	Ten
Number	Length	Each	For
3J6300	12.	17c	\$1.58
3J6301		21c	1.95
3J6415		22c	2.05
3J6302		23c	2.10

Single Pole-Double Throw or Three Way

3 Connections

Can be used as Three way, or single pole double throw. Mounting sleeve ## diam-



Stock	Sleeve	Price	Ten
Number	Length	Each	For
3J6303 3J6304 3J6416 3J6305	14: 14:	20c 23c 24c 27c	\$1.90 2.15 2.20 2.50

Double Pole-Single Throw



4 Connections Cuts two circuits in and out. "On" and "Off" for two circuits. Mounting sleeve 15" diam-

Stock	Sleeve	Price	Ten
Number		Each	For
3F6306 3F6307 3J6417 3F6308	14. 1.5. 34.	24¢ 27¢ 29¢ 30¢	\$2.20 2.50 2.70 2.80

Double Pole-Double Throw

6 Connections

Feeds two circuits into either one of two pairs of circuits. A new development of many uses. Mounting sleeve \$\frac{1}{2}'' diam-



Stock	Sleeve	Price	Ten
Number	Length	Each	For
3J6309 3J6310 3J6418 3J6311	1/4 1/4 3/4	37¢ 42¢ 43¢ 45¢	\$3.60 4.05 4.20 4.40

Special Toggle **Switches**



Underwriters approved 125 V. 6 amp.; 250 V. 3 amp. Bakelite body. Solder lug connections. Mounting sleeves 52" Mounting sleeves diameter. Two locknuts included.

Single Pole-Single Throw 2 Connections

Makes and breaks a single circuit.

Štock	Sleeve	Price	Ten
Number	Length	Each	For
3 F6335	1/4 · 1/2 · 1/4 ·	14c	\$1.30
3 F6336		16c	1.50
3 F6337		18c	1.75

Double Pole-Double Throw

Stock Number	Sleeve Length	Price Each	Ten For		
3F6341 3F6342 3F6343	14:	28¢ 32¢	\$2.70 2.95		

Rotary Panel Switches



Underwriters approved. For knob operation, 3 amps. 250 volts. Best quality. H.&H. brand. Cadmium plated lugs. Supplied with locknuts. Mounting sleeve % " Mounting sleeve diameter. K n o b Shafts extend 1" beyond threaded

Single Pole-Single Throw

2 Connections				
Stock	Sleeve	Price	Ten	
Number		Each	For	
3E6312	14:	16¢	\$1.52	
3E6313		18¢	1.71	
3E6314		22¢	2.09	
C:1-	Dala D	autic T	h	

3 Connections			
Stock	Sleeve	Price	Te

Stock	Sleeve	Price	Ten
Number	Length	Each	For
3E6316	72	22¢	\$2.09
3E6317		24¢	2.28
3E6318		29¢	2.75

Double Pole-Single Throw

	4 Commed	LIGHTS	
Stock	Sleeve	Price	Ten
Number	Length	Each	For
3E6319	¥:	36¢	\$3.40
3E6320		42¢	3.95
3E6321		46¢	4.32
Double	Pole-D	ouble Ti	hrow

6 Connections				
Stock	Sleeve	Price	Ten	
Number	Length	Each	For	
3£6322	14 .	42¢	\$3.95	
3£6323		46¢	4.37	
3£6324		51¢	4.95	

Key Lock Switch Double Pole—Single Throw

4 Connections 306315

Price Each 50¢





Makes and breaks one or two cir-suits by turn of key. Key removable when circuit is broken. Mounting sleeve 43" diam., ½" long. Attractive lock when circuit is broken. Mounting sleeve \$\frac{8}{3}\cdot\text{"} diam., \$\frac{1}{2}\cdot\text{ long.}\$ Attractive lock muts included. One key supplied. Underwriters approved. 3 amp. 120 voits. Body size \$\frac{3}{2}\cdot\text{ deep. \$\frac{3}{2}\cdot\text{ wide.}}\$ \$\frac{1}{2}\cdot\text{ long with insulation and lugs.}

Two Circuit Push Button Switches

Push Button Switches
Two circuit non-indicating slow make
and quick break monuentary contact
switches. One circuit is normally ONand the other is normally OFF Presing the nush button reverses the
and 'on' position of the circuits.
When pressure on the push button is
released the condition of the circuits
return to normal. Finest quality.
Laminated bakelite or fibre insulation.
Tinned copper solder lug connections.
Rating 75 watts, 125 voits, Δ.C. Standard ½" diam. bushing ½" long.



With Metal Plunger
Same switch as used on Supreme and other makes of 3F6400-Your Price, Each

Ten for \$2.79

With Bakelite Button Plunger

Supplied with a black or a Supplied with a black of red bukelite concaved but-ton on end of plunger. 3F6401—Red Button 3F6402—Black Button Your Price, 40¢ Ten for \$3.60



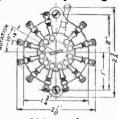
With Bakelite Tip Plunger

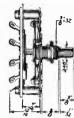
Supplied with a red or black bakelite tip on end of plunger.

3F6403—Red Tip.
3F6404—Black Tip.
Your Price. 32¢

New Yaxley Rotary Tap Switches







Types 1200 and 1300

Types 1206

A new adjustable stop feature provides many additional combinations in each switch and makes it possible to use a sincle switch for many different specifications. Any number of contacts or circuits up to the maximum available can be obtained from any of the various sizes of switches. For example: No. 1316 type switch, one gang, single circuit may be used as a two, three, four, five or six point switch by simply adjusting the stop on the front of the switch to the number of points required. Switches may be wired in circuit experimentally, then adjust the stop for permanent inthen adjust the stop for permanent in-stallation. New design, excellent con-struction. For general radio and lab-oratory test circuit. Mount in 76

ond 1300

Inch hole on panels not over ¼ inch thick. Locknut holds switch securely in place. Silver plated phosphorbronze contacts securely mounted on punched bakelite form. Phosphorbronze wiping contact arm. Gangs are rigidly clanned together. Diameter overall 2½". No wearing nor hiny even in multi-gang with wide spacing. One and two gang switches are provided with ½" spacing between gangs. Three and four gang switches are provided with ½" spacing between gangs. Three and four gang switches are provided with ½" spacing between the spacers cut down to meet special regulrenents as to length and the spacers cut down to meet special regulrenents as to length and the knob but less escutcheon.

Type	Shorting	Single Gang Switches	Price	Your Price
YF1215 YF1211 YF1215 YF1213 YF1212	YF1316 YF1311 YF1315 YF1313 YF1312	Single Circuit 1 to 6 points Single Circuit 1 to 11 points Two Circuit 1 to 5 points each circuit Three Circuit 1 to 3 points each circuit Four Circuit 1 or 2 points each circuit	\$1.00 1.15 1.25 1.35 1.45	\$0.59 .68 .73 .79
		Two Gang Switches	7,1	

		1 wo dung Dwitches		
YF1225 YF1223	YF1321 YF1325 YF1323	Two Circuit I to 6 points each circuit Two Circuit I to 11 points each circuit Four Circuit I to 5 points each circuit Six Circuit I to 3 points each circuit Eight Circuit I or 2 points each circuit	1.60 1.75 2.00 2.10 2.25	.94 1.03 1.18 1.23 1.32
		Three Cong Switches		

-		Three Gang Switches		
YF1236 YF1231 YF1235	YF1336 YF1331 YF1335	Three Circuit 1 to 6 points each circuit Three Circuit 1 to 11 points each circuit Six Circuit 1 to 5 points each circuit	2.20 2.35 2.50	1.38

Porcelain Base **Knife Switches**



Glazed white porcelain bases. Copper contacts and blades with serew lug connections. Porcelain or composition finger holds. Base lengths: 8.P.—25%"; D.P.—35%". Widths: 1" and 2". Rated 125 V., 25 A. For con-

27. Rated 125 V. 25 A. F0 cealed or open wiring. 3F6375—S.P.S.T. Each, 12 3F6376—S.P.D.T. Each, 17c 3F6378—D.P.D.T. Each, 17c 3F6378—D.P.D.T. Each, 19c 10¢

Small Bakelite Base **Knife Switches**

Base lengths:— Double Throw 2½ inches; Single throw Single th Moulded

lite base and handle. Contacts and blades, brass nickel plated. Double Throw Throw Single Stock Poles Poles Net No. \$0.26 6384 6385 6386 50.32

Miniature Switches



stantial. For base panel mounting.
Bakelite base
1½" long. Nickel
plated blades and

posts.
Each ..
Each, 15c
Each, 24c -S.P.S.T. -S.P.D.T. -D P.D.T.

Yaxley Type ''2700'' Single Gang Combination **Switches**

Designed pri-marily for use on Dual Wave Receivers, Com-

Receivers. Combinations from a single pole, single throw switch to a six pole, double throw switch are obtainable. With knob but less escutcheon. 3F6448—Code 2742. For use as a S.P.S.T., S.P.D.T., 2P.S.T., 2P.D.T., 3P.S.T., or a 4P.D.T. switch. Diameter 145", depth 4", bushing 36", shaft length 16". Volum PRICE. YOUR PRICE ..

3F6449—Code 2762. Provides combinations in above switch and also P.S.T. 5F.D.T. 6P.S.T. 6P.D.T. combinations. Diameter 2". depth 4", bushing 3", shaft length 3". YOUR PRICE

Etched Plates For Yaxlev

Tap Switches

Etched ahiminum plates. Black fin-ished with bright etched in numerals.



etened in	numerai	s. •	
Stock Number	Mark- ings	Stock Number	Markings
YF369 YF315 YF372 YF373 YF374 YF375 YF376 YF377	0-100 1-15 1 to 2 1 to 3 1 to 4 1 to 5 1 to 6 1 to 7	YF387 YF388 YF389 YF390	Off 1 to 3 Off 1 to 4 Off 1 to 5 Off 1 to 6 Off 1 to 6 Off 1 to 8 Off 1 to 9 Off 1 to 10
YF378 YF379 YF380 YF381 YF382	1 to 8 1 to 9 1 to 10 1 to 11 1 to 12		Increase Volume ice, 15c.

Servicemen's Supplies—Jacks—Plugs—Switches

Molded Bakelite Twin Tip Jacks



insulated finest quality tip olded in genuine bakelite. bronze positive contact for Fully tip molded Phosphor any standard Phosphor bronze positive contact for any standard phone tips. Widely spaced solder lugs tinned and plerced. Overall length 2", width \(\frac{1}{2}\)". Mounting centers \(\frac{1}{4}\)\". Will mount in cut \(1\frac{1}{4}\)\". Engraved "Speaker" or "Phone." \(\frac{1}{2}\) Priced far below its actual relations.

3D6356. Engraved "Speaker." 3D6357. Engraved "Phono." YOUR PRICE Each

TEN FOR 35c

Yaxley Push Button **Switches**

Same construction a
Jack switche
except that in of turn an insu-push butplace ton is provided



original position when pressure re-leased. Locking type, is automatically locked in depressed position and must be pulled back to return to original pressure

Makes Contact in Single Circuit. 3C6430—Code 2001. Non-locking. 3C6440—Code 2001L. Locking. List price \$0.90. Single Pole-Single Throw YOUR PRICE ..

Single Pole-Single Throw Single role-Single Throis Breaks Contact in Single Circuit. 3C6431—Code 2002. Non-locking. 3C6441—Code 2002. Locking. List Price \$0.90. YOUR PRICE .

Single Pole-Double Throw One circuit completed in up position depressed position, first circuit

In depressed position, first circuit broken and one of contacts switched to second circuit.
3C6432—Code 2003. Non-locking.
List Prico \$1.00.
YOUR PRICE 596

Double Pole-Single Throw; Open

Makes contact in two separate circuits when depressed. Both circuits open in "up" position.
3C6443—Code 2004L. Non-locking.
3C6443—Code 2004L. Locking.

.70¢ YOUR PRICE ..

Double Pole-Single Throw; Closed

Breaks contact in two separate cir-cuits when depressed. Both circuits closed in "up" position. 3C6434—Code 2005. Non-locking 3C6444—Code 2005L. Locking. List Price \$1.20. 70¢

YOUR PRICE Double Pole-Double Throne Two separate circuits closed in "ap" position. In depressed position, one contact from each circuit is connected to a second set of separate circuits. 3C6435—Code 2008. Non-locking. List Price \$1.50.

YOUR PRICE .. Double Pole-Double Throse bounte rote-Double Throte
6 springs—makes and breaks both
leads of two separate circuits. Connects in second circuit before breaktag first circuit and vice versa.
3C6437—Code 2008. Non-locking.
3C6447—Code 2008L. Locking.
List Price \$1.055.

YOUR PRICE ..

Three Circuit

Three Circuit

Breaks one circuit into two circuits.

\$ springs. When button is up, two
center springs contact; when depressed,
2 center springs break and each makes
contact with an outside spring completing two new circuits.
366436—Code 2007. Non-locking.
(Also known as Code 2880.)
366446—Code 2007L. Locking
last Price \$1.30.

New Yaxley Insulated Tip Jacks

Fine quality tip jacks with positive contact phosphor bronze spring. For any standard phone tip. Especially suitable for terminal strip and for making quick, easy connections to test equipment. Bakelite color coded caps.

Jounts in ¼ inch hole or will fit %" hole if used with extruded mounting washer listed below. Solder lug terminal. New fresh stock.

306345 — Green 1806347 — Black 1806347 — Black 1806348 — Brown 186349 — Orange 186349 — Ora



3D6461.

Short Jacks

Smallest made. Solder lugs widely spaced.
Heavy bakelite insulators eliminate leskage.
Mount in % inch hole on % to & inch panels.
Take any standard plug.

3C6366—No. 1—Open Circuit. List. 25c. Net.....15¢

3C6367-No. 2A-Single, Closed List. 30c YOUR PRICE18¢

Infant Jack



A single circuit small in a c.k. Receives all standard s iz e plugs. Plated phosphor bronze spring will not loose tension. Tinned solder bakelite insulation prevents legistare.

Heavy leakage. 3F6365—List, 25c.

Frost Gem Jacks

Very compact. Extend 1 inch back of panel. Mount in single &" hole or any l inch panel, single A" hole or any panel not over fe" thick. Nickel plated. Solder lug connections. Two washers in the



3C6396-Code 953-Open circuit EACH......17¢ 3C6397-Code 954-17¢ Closed circuit. EACH 3C6398-Code 951-19¢ Double circuit. EACH.....
3C6399—Code 955—Single circuit filament control. 20¢ EACH

C-H Pony Toggle Switch

3 Amp. 250 Volt 6 Amp. 125 Volt

3F6333-Your Special 25C 10 for \$2.25

approved. Size 1¼" deep. ¼" wide, 1½" high. Mountling bracket centers 1¼". Especially desirable for installation on test bench or for use with any devise using a ½ h. p. motor under.

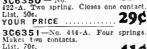
"Off" "On" Escutcheon

A polished nickel plated escutcheon plate. For above switch.

3F6334—Your Price, each 14¢ 10 for.....\$1.18

Non-Locking Push **Button Switch**

Contact is made when knob is pushed in and is broken when pres-sure is released. 3C6350 — No. 122-A. Two spring. Closes one contact List, 50c.



YOUR PRICE 41¢

Standard Tip Jacks

Solid brass, nickel ated. Takes any one tip. Positive Solid brass, nickel plated. Takes any phone tip. Positive connection. Not insulated from panel. Hequires ½" hole on panels of thickness up to ¼". With nut and solder lug.

316370→ EACH 12 for 33c. Per Hundred \$2.75

Fibre washers to insulate jacks when mounting on metal panel or chassis. 3D6461. Ten for120

Yaxley Jack Switches Small and

Compact.
Mount in 78
inch hole on

panels up to % inch thick Insulated knob with In-



dicating pin set screw. Lock nut, washer, etched indicating plate included. ¼ inch diam, shaft. Including lugs, they project 1¼ inches back of pane. 1% inches wide. 1% to 1% inches high. Rugged steol frame. Nickel plated. Perfect insulation. Suitable for all apparatus in low vertices directly. wattage circuits.

Single Pole-Single Throw 3C6420-Code 720. 2 spring. "On" and "Off." Makes and breaks one ciruit. List Price, 70c. ruit. List Price, 70c. 41¢

Single Pole-Double Throw 3C6421—Cide 730. 3 spring. Connects input circuit to either one of two output circuits. Price 85c.

YOUR PRICE 50¢ 3C6422-Code 732. 3 spring. Same as Code 730, position. Li except has center neutral position. List, 90c. 50¢

Double Pole-Single Throw 4 spring. Makes

3C6423—Code 710. 4 and breaks two circuits. I,ist. 95c. 56¢ YOUR PRICE ...

Three Circuit

3C6424—Code 745. Five spring, two position contact. Two input circuits. Both cennect to output in first position; in second position, circuit note is broken, circuit two is also broken but input spring is connected to fifth spring, closing third circuit. List, \$1.10. YOUR PRICE 65¢

Double Pole-Double Throw 3C6425—Code 760. Six spring. Connects two input circuits to either of two pairs of outputs. List, \$1.20. YOUR PRICE73¢

3C6426—Code 762. Double pole. double throw. Same as Code 760, but with center neutral position. YOUR PRICE 71¢ \$1.20.

Triple Pole-Double Throw 3C6427—Code 763. With center neutral position. List, \$1.55. YOUR PRICE. 91¢

Four Pole-Double Throw 3C6428-Code 761. With center

neutral position. List, \$1.95. YOUR PRICE \$1.15 **Push Button Switch**



springs retain Double their tension permanently. ension permanently. Double
puble pole opens two circuits
es two other circuits. Mounts
hole. Terminal lugs widely Throw-double

3C6354 Non-locking | Price 3C6355 Locking

S. P. S. T. Toggle Switch

A quality H & H switch with 8" stranded insulated leads Standard "" bushing is A" long and fitted with a locking ring.
3E6344— 3E6344 PRICE .. 10¢ Ten for 75¢



contacts

Rotating Type "Panel" **Switch**

Single

Single Pole, Sir Throw, Shaft takes Threaded 3a" Singl Throw. Shaft takes knob.
Threaded 3n" diam.
mounting sleeve 4." long.
Shaft extends ½" long.
Shaft extends ½" beyond
leeve. Locknut included.

3E6325-

Solder Cord Tips

Brass. Nickel Plated

FIFTY FOR Per hundred......25c

Solderless Tip Plug



306368

Twin



Jacks Sure contact, nickel tip jacks mounted in bakelite strip, 2" long, 18" wide. Mounting holes 1 18" cen-

Tip

as wave. assuming holes 1 ½ " lers. Two Jack Assembly 3C6200—Plain (not marked). 3C6201—Marked "Phono." 3C6202—Marked "Speaker." Each, 6 c. Ten for..... ach, 6c. Ten for55c

Three Jack Assembly 3C6203—Plain Each, 9c. Ten for

Yaxley Junior Jacks



Same con Same con-struction as jack switch ex-cept has hole for receiving any standard jack. Mount in is" hole on panels not over

&" thick. 3C6405—Code 701. "Open Circuit."
One insulated spring.
List Price 40c. YOUR PRICE 3C64O6-Code 702. "Closed Cir

uit." Two insulated springs. List Price 55c. YOUR PRICE .

3C6407—Code 702A. Two insulated optings. Same as 3C6406 Code 702. except has solder lug on frame. For use on insulated panels. List Price, 55c.

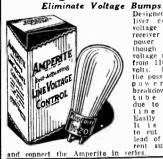
3C6408—Code 703. "Two Circuit. Three insulated springs. List Price 65c. YOUR PRICE YOUR PRICE .

3C6409-Code 703A. "Circuit versing." Three insulated springs "Circuit Re-List Price 65c.

Page 92

Amperite

Self Adjusting Voltage Control Tubes



Designed to de-Designed to de-liver constant voltage to the receiver from the power line al-though the line voltage may vary from 110 to 140 volts. Eliminate the possibility of power r-pack breakdown and tube burnouts breakdown and tube burnouts due to excessive line toltake. Easily installed. It is necessary to cut only one lead of the current supply line wies.

Standard Amperite Controls

We can supply all types of Amperites. When ordering replacements for receivers already equipped with the Amperite Tube and not included in our listing specify type number of old tube. For sets on which provision has not been made for using the Amperite tube the correct type can be selected from our listing.

For 110 Volt A.C. Receivers

Stock	Number	Use	List Price.	
Number	of Tubes	Amperite	Each, \$3.00	
3 F 2400	4-5	5A5	YOUR PRICE	
3 F 2402	6-7	7A5		
3F2404	8-9-10	9A5	\$1.25	

Special Replacement Amperites For 105-120 Volt A.C. Receivers

Num.	Amperite	Set Name and Model Number
3F2409 3F2409 3J2428 3F2401 3F2410 3F2410	9-20 5-16 10-10 11-20	Brunswick 14, 21, 31 Brenner-Tully 881, 882 General, Electric B-86 Hammarlund-Roberts Hi-Q 31 Hammarlund-Roberts Hi-Q 30 Kylectron K71, K72
3F2411 3F2403 3F2410 3J2428 3F2405 3F2419 3F2413 3F2418 3F2428	70 11-20 5-16 12-20 18-10 10-V-10 9-V-10 5-16	Malestic 90, 91, 92 Malestic 70, 71, 72 Prorless 21 to 25 R.C.A. R223 Scott, A.C. 10 Star Radder Victor R32, 52 Victor R35, 39 Victor (32V, Set) Zenith 103
3 J 2407	14-10	Zenitu 109

YOUR PRICE, EACH	\$1.25
876-For Replacing Type 8/6	Ballasi
3F2301—Amperite.	\$2.50

YOUR PRICE, EACH

For Battery Operated Receivers
For sets operated from 2 volt Air Cell Batteries,

	Lanuarite	Stock
Number	Number	Num.
	30(1A2)*	3J2712
1713, 1714	31 (1B2)*	3J2713
266, 267	31(1B2)*	3J2713 3J2714
		3 12700
		3J2701
	iFi	3J2702
345	1G1	3 J 2703
91	10AB	332718
77, 95	64.4	3J2717
042	5E1(1A1)*	3J2715
660	5E1(1A1)*	3J2715
	6-1(1J1)*	3J2716 3J2710
	6 1 (111) *	3J2716
	5E1(1A1)*	
81, 82	SHIGDI)	
	Model Number 326, 242, 65 1576, 1712, 1713, 1714 223N, 224N 266, 267 1710, 1711 331, 324 359 34, 324 360 77, 95	Number Number 326, 242, 65 30 A2)* 1576, 1712, 211 1714, 223X, 224X 1713, 1714, 223X, 224X 1710, 1711 331, 324 181 359 171, 95 6AA 342 5E1 (1A1)* 660 5E1 (1A1)* 67700 6-(1J1)* 7700 6-(1J1)* 7700 6-(1J1)* 5E1 (1A1)* 5E1 (1A1)* 5E1 (1A1)* 5E1 (1A1)* 6E1 (1A1)*

*New RMA numbers List Price, \$1.60. 94¢ YOUR PRICE ...

FOR A.C., D.C. Receivers				
Stock	Original	Amperite		
Number	Number	Number		
3 J 2722 3 J 2722 3 J 2722	300 50x3 5B	3-40 3-40 3-40	List Price, \$1.25 YOUR PRICE	
3J2722	3-40	3-40	73¢	
3J2721	46A1	46A1		

Amperite Mounting Socket
A Single wood serew thru center for 312414 Single wood serew the mounting on base or side of cabinet. List Price, 25c. YOUR PRICE 15¢

Duresite

Voltage Regulator Tubes



Original equipment on many standard makes of radio receivers. The Duresite Tube keeps the voltage from the power supply line constant. More uniform reception, elimination of all cracking noises caused by overloaded resistors and condensers is accomplished. Prevents burning out of paper and electrolytic condensers and damaging of tubes. List Each, \$3.00.

Note: We can supply Duresite
Tubes for all sets. For sets not
listed below, when ordering give
name, model number, types and
line-up of tubes.

Set and Model Number	Stock Num.	Duresite Tube Number
Brunswick 14, 21, 31, 60 Cycle S-14, S-21, S-31, 60 Cycle	3F2724 3F2725	98 or 105 110
Bremer Tully 81, 82, 60 Cycle 83, 84, 60 Cycle	3F2724 3F2725	98 or 105
Bush and Lane 1931—60 Cycle, Long Wave Grebe 21950, 270C, 285, 450 Hammarlund—HIQ 30	3 F2726 3 F2725 3 F2725	110
Sonora A-30, 32, 40, 60 Cycle A-36, 44, 60 Cycle	3F2728 3F2729	
Additional Duresit	te Tube	s

Dure-site Num. Dure-Stock Stock Num. Viiim Num. 314 315 415 3J2724 3J2728 3J2726 126 312730 3J2731 3J2732 $\frac{125}{118}$

Line Voltage Reducer



Reduces Excessive
Line Voltages
3F2433—List, \$1.00.
YOUR YOUR BRICE 30¢

Ten for \$2.94
Maintains a constant potential on lines on which
voltage climbs. Protects tubes, condensers and
resistors against line surges by automatically reducing line voltage to a normal operating voltage.



Power Line Filter for AC or DC Current Power Line Filter

A capacity type line filter. Effectively eliminates line noises. Plugs into electrical outlet and has a recepticle for receiver plug. No ground connection is required. For 110 volt A.C. or D.C. required.

3F8506—List Price, \$1.00. PRICE 59¢

Conversion Plug

For Converting Receivers Using Ballast Tubes to Air-Cell Operation



s to Air-Cell Operation

Fits in place of the ballast tube on receivers listed below and permits their operation with an Eveready Air Cell "A" battery. Remove ballast tube and insert the plug-in resistor. The correct "Conversion Plug" must be used because the total resistance of the "A" circuit must be correct to obtain full life and efficiency from the Air Cell battery and prevent tube burn outs. List Price, \$1.00. Lish Price, \$1.00.

Set Name	Model Number	Stock Number
Airline (MontWard)	62-91 77, 95	3F2481 3F2482
Colonial	659	3F2483
Philco	38, 38A (Using 1C6 Translator Tube) 38, 38A (Using type 15 Translator Tube) 34, 34A, 39, 39A	3F2484 3F2485 3F2485
Silvertone	1712, 1713, 1714, 1854, 1857 1710, 1711, 1711A, 7090, 1852, 1853 1850, 1851	3F2486 3F2491 3F2483
Sentinel	660, 6200, 6234, 6241 7700, 7732, 7741	3F2482 3F2484

Clarostat

Replacement Line Ballasts



Compensates line changes for Sets de-Compensates line changes for Sets designed for use with Ballast. Will maintain the normal voltage across the primary of the power transformer within allowable limits for effection operation, regardless of line fluctuation between 95 and 135 volts. WE CAN ALSO SUPPLY REPLACEMENT BALLASTS FOR SETS NOT LISTED BELOW. Send your order giving make, model and number of tubes in Set.

List Price Each, \$2.50.

YOUR PRICE

Num.	Type	Set Make and Model Number
3F3110 3F3103 3F3104 3F3117 3F3115	2518 2169 2179 2408 5400	Belmont Bremer Tully Brunswick Clarion 51, 53, 55 Erla
3F3109 3F3118 3F3119 3F3120 3F3121	6310 6420 6412 0600 0500	Grebe SK-4 105 Volts Grebe SK-4 138 Volts Grebe SK-4 115 Volts Grebe IIS-5 125 Volts Grebe M-3-4 115 Volts
3F3121 3F3121 3F3122 3F3123 3F3123	0500	Grebe HS-12 115 Volts Grebe HS-6 115 Volts Grebe HS-4 125 Volts Grebe M1-2 115 Volts Grebe HS-8 Single Pent
3F3116 3F3125 3F3117 3F3119	2178 2408	HFL Masterione Hi Q-30 Hammarlund Roberts Hi Q-31 Hammarlund Roberts Kennedy 426, 526, 626, 726, 826, 632, 1030
3F3105 3F3106 3F3107 3F3108	1508	Majestic 70, 71 Majestic 70B, 72 Majestic 180, 181 Majestic 90, 91, 92, 100
3F3109 3F3111 3F3104 3F3116	2516 2179	United Reproducer Simplex, Baldwin Sonora A30, A32, A40 Sonora A36, A44, 46
3F3112 3F3113 3F3114	5002	Stewart-Warner 900-61816 Stewart-Warner 950-62152 Stewart-Warner R100-66756

Clarostat A.C. Line Voltage Regulator



WIRT Voltage Regulator

Provides five resistance values which are controlled by rotating the fibre ring at the end. Protects tubes, condensers, and reduces noises and hums. Nickle plated metal case, Fits standard outlet. For use on Sets having six or less tubes. 3F 2430-118t, \$2.45. VOUR SPECIAL PRICE



Automatic Voltage Control

For Reducing Line Voltages 3F2267-List, \$1.75.

YOUR PRICE 55¢





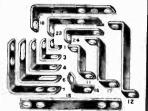
Filterette Junior

YOUR PRICE \$1.32 318507-List, \$2.25.

A compact unit, easy to install, for eliminating interference caused by household appliances, such as electric fans, heating pads, vacuum cleaners, light switches, etc. Has standard plur-in prongs and receptacle for connection between electrical outlet and receiver. Operates on 110-120 volts A.C. or D.C.

Indispensable Hardware for Servicemen

Angle Brackets



Brass niekel plated. For mounting panels, tubes, co Width % inches. coils, grid leaks, etc.

Stock	Code	Size	Ten
Number	Num.	Inches	For
304810	1	1/2 x 1/2	9 c
314811	3	28 X 28	15c
304812	4	3 4 X 3 4	19c
314813	6	1 18 X 1 1 N	25 c
304814	7	11/2×11/6	35 c
314815	10	121214	35 c
314816	11	3, high	ĬŎċ
304817	12	2 high	39 c
304818	15	3 long	29 c
304819	16	38 X 78	16 c
304820	17	1 high	25c
304821	23	12 X 1 1/2	29 c
304822	24	14 x 3/8	15c
			_

Service Angle-**Bracket** Assortment 3D4829



Contains 28 pieces of brass, nickel plated angles and brackets in a variety of sizes most suited for service work. Consists of six ½ "x ½" angles, four %, "x ½" angles, two 1 "x," angles, two 1 "x," angles, two 1 "x," angles, four %, "x ½ "brackets, two 1 "x," b" brackets, two 1 "x, b" brackets, two 1 "x, b" brackets and two 3, " Z type brackets.

Fibre Washer Assortment



24¢ 100 piece

assort-ment of fibre wash-ers and ge of sizes.

grommets. A complete range of sizes. Plain and shoulder types to fit number 4-6-8-10 screws and $\frac{1}{4}$ ", $\frac{3}{8}$ " and $\frac{1}{8}$ " holes.

Push Button Switch

3D6358. Open Circuit. YOUR PRICE 27¢

Ten for \$2.50



3D6360. Same as above but for mounting in a 34" diam. hole. YOUR SPECIAL PRICE....20¢

G. E. Rotary A. C. Switch



"OFF" a R" in sulated leads. Rating 3 amps., 125 volts. %" long milled flat shaft. Un-

derwriters approved. 316339-

Snap on Knob Special knob for above switch, polished bakelite. Attractively signed. Diameter 1%". Push-on Black . Push-on type.

3F6340— YOUR PRICE. EACH 5c Ten for 35 c

Metal Tapping Screws Gimlet Point-

Round Head Solf-tapping steel screws that cut their own thread in metal of any gauge and drive home as securely as a machine screw in a

a machine screw in a machined thread. Just drill a hole and drive in the screw—no nut or tapping required. Ideal for replacing rivets, set screws no tropped castings, repairing sprung spot welds or any type of construction. | Size No. 7 Size No. 6

•••		012014	
Per	Length Inches	Stock Number	Price Per Gross
30c 32c	14 38	3D8185 3D8186	32c 34c 36c
37 c 40 c	3/4	3D8188 3D8189	38c 41c
0.8 34c 36c 38c	3/6 1/2 6/6	3D8190 3D8191	0. 10 40c 42c 45c
40c 42c	1	3D8193 3D8194	50 c 55 c
	Price Per Gross 30c 32c 35c 37c 40c 0.8 34c 36c 38c 40c	Price Per Gross Inches 30c 32c 34 35c 37c 40c 34 36c 38c 38c 38c 38c 38c 38c 38c 38c 38c 38	Price Per Hength Stock Gross Inches Number Stock Sto

Self-Tapping Screw Assortment

Most popular sizes used by set manufacturers. Can be used for re-placement on Atwater-Kent, Roseth, Crosley, Fada, Majestic, Phileo, etc. Ideal for general work. Does not re-quire a nut. Consists of 24 screws of quire a nut.

3D8195-List Prico, 500 29¢

Rubber Grommets



insulating holes in metal plates on chas is, transformers a Radio and electrical parts. strong vulcanized black rub for metal about &" thick. and Tough

Stock	Fit	Inside	Per	Pe
Num.	Hole	Diam.	Doz.	Hun
314805	14 "	1/8 "	9 c	520
3D4806	A."	2"	15c	59 c
3D4807	3/11	12"	17c	640
	7."	6"	19c	690
	1,2"	36"	210	740
	A c c r	riment	of 60	Rubber
	12 6	acii Oi	above	
				47d
PRICE				717
	Num. 3J4805 3D4806 3D4807 3D4808 3D480 <u>9</u>	Num. Hole 3J4805 4" 3D4806 4" 3D4807 4" 3D4809 4" 3D4809 4" 3D4828 Asso Grommets. 12 e YOUR	Num. Holo Diam. 3J4805 %" %" 3D4806 & "." & "." 3D4807 %" & "." 3D4808 & "." & "." 3D4828 — Assortment Grommets. 12 each of	Num. Ilolo Diam. Doz. 314805 ¼" ½" 96 C 304806 Å" Å" 15 c 304808 ½" ¼" ¼" 19 c 304809 ½" ¾" ¼" 21 c 304809 ½" ¾" 21 c 304809 ½" ¼" ½" 21 c 304809 ½" ¼" ½" ½ c ach of above YOUR

Rubber "Feet -Bumpers"

For use on bottom of eabinets, amplifiers, speakers, etc. Have re-cessed cartly for head of screw. Cannot cessed cavity for head of screw. Cannot scratch. Will support heavy weight without marring ordinary surface. For use with 6/32 or 8/32 machine screw and sizes 6 or 8 wood screws. 304792. %" diam., &" high. 304793. %" diam., %" high.

19¢ Per Dozen Per Hundred .. 95c

Machine Screw Washer and Nut Assortment

and Ivut Assortme.
Contains assortment of 100
6/32 Round head machine
screws from '4" to '4" long.
100 sets of nuts and washers
included. A very handy assortment for it contains the
most necessary sizes of machine screws—furnished in
the proportions most commonly used.



Ornamental Head Screws

For fastening Speakers to Grilles, etc.

Attractively embossed. Wide flat head, 3/8 inch diameter. Will not pull through wood. 6/32 screws. Antique

E 81	ainsta 131	onze m	iish.
Stock	Length	Per	Per
Number	Screw	Dozen	Hundred
3D4794		8 c	47 c
3D4795		9 c	61 c
3D4796	114"	100	75 c

PUNCHES For Socket and Condenser Mounting Holes



3F4615—For 1¾" holes. 3F4616—For 1¾" holes. 3F4617—For ½" holes. 3F4618—For ¾" holes. List Prico, Each, \$3.00. PRICE

PRICE, SACH Set of Four, \$6.50

14614—Special Multiposition Socket Punch. Cuts a 1 &"

wed hole. Small projection left on hole circle prevents turning socket. or socket.

Stamp round holes in sheet metal (chassis, etc.). Eastly used in locations not possible to drill and are much more practical and faster. Make clean cut, round holes with blow of hammer in 16 guage and even heater steel. Simply drill ½" guide hole in metal stock to be punched. Insert guide plin hole, place die below metal and punch above. Hold punch firmly and drive through stock. For active servicemen, small manufacturers, engineers

Spade Lug For Anchoring Shield Cans to Chassis, etc. "Eyelets"

Steel Cadmium plated. Flat end with size 6 hole for rivet or screw; threaded end size 6/32. Illustration is actual or sere

316592 TEN FOR PER GROSS42c PER 1000\$2.45

Tubular Rivets "Eyelets"

Rivets for replacement and repair are a necessity for every serviceman. How often have you hesitated to drill out a rivet hare you hesitated to drill out a rivet for a necessary repair because you were unable to replace it in a work-manlike manner. You can now replace rivets and make a clean professional job of it by using the special clinching tool listed below. These are the most popular sizes. Body diameter &".

3 D 6	5565-å" 5566-4"	long.	96
Ten	for		.77
Per	Gross		.45c
Per	1000	<i>.</i> \$	2.25

Rivet Clinching Tool

For Tubular Rivets

Every serviceman needs this handy tool for "driving home" tubular rivets. Tool is 14½" long—½" diameter, tapered at one end. Has special machined face which centers on rivet and when driven with hammer will turn the rivet hody back against the material and clinches as securely as a power driven rivet. For ½" and ½" body diameter tubular rivets.

304710. 506

3D4710. YOUR PRICE. Each . 59¢

Switch Levers

3C6595 With black knob. 10¢

Tapered polished knob.
Nickeled metal parts.
Lever adjustable from 1½
to 1½ inch radius.

Nickel Plated Cap Screws

For Contact Points
Highly polished hexagonal
head \$2'' across and \$3''
thick. Screw is \$3'' long
with standard \$2'' thread. 3E6571-Package of 100 16c



Escutcheon Plate Screws

For attaching escutcheon plates to cabinets. Will fit with practically no exception every style of escutcheon plate.

Head

Length 4 inch.
3D6570. No. 1 Round
Brass Wood Screws.
Per Gross.

Condenser Sealing Compound

For "sealing in" paper in-sulated or dry electrolytic con-densers on repair or special work.

densers on repair or special work. The proper compound chemically same as used by leading condenser manufacturers. Low melting point. Cools hard. Positively excludes molsture. Put up in a convenient size 1-lb. cake size 1½x8½.

3D4838—Per Package

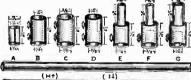
5 for 75c

Transformer Sealing Compound Good thermo conductivity. Has the quality of displacing developed heat in transformers. Put up in a convenient size 2-lb. cake size 1½x8½". 3D4839.

Shaft Couplings, Reducers, Extenders

Brass and Fibre Shafting Machined brass fittings

for coupling shafts of uniform or dissimilar di-ameter; for extending rheostat, volume control or switch shafts. Extencoupling shafts rheostat, voiding or switch shafts. Exten-sion fittings are furnished to expand or reduce shaft diameter. Shafting is



diameter. Shatting is available in brass or fibre.

Supplied In Either Brass or Bakelite. Specify Brass or Bakelite on your order.

Number	Style	Length	Description	Price
3D7290 3D7291 3D7292 3D7293 3D7294 3D7295 3D7296	A B C D E F	% Long % Long % Long % Long % Long 1-14 Long 1-14 Long 1-14 Long	4 Hole I.D. 4 O.D. Dial Bushing 4 Hole I.D. 12 O.D. Coupling 5 Hole I.D. 15 O.D. Coupling 5 Hole I.D. 15 O.D. Coupling 5 O.D. Coupling 6 Hole I.D. 15 O.D. Extender 5 Hole I.D. 1 O.D. Reducer 5 Hole I.D. 2 O.D. Reducer	5c 9c 9c 9c 9c 9c
3D7297 3D7298 3D7299 3D7300	H	6' Long 12' Long 6' Long 12' Long	14 Dlameter Brass Shafting	10 c 17 c 17 c 24 c

Screws-Nuts **Round Head Machine** Screws

Brass-Nickel Plated

	5176 6-32	
Stock	Length	Price
Number	Inches	Gross
306500	1/4	\$0.30
316501	1/2	.38
316502	34	.50
316503	1	.55
306504	1%	.76
306505	2	1.05
	sortment equal	quantities
of each above		
PER GROSS		69 c

Steel-Cadmium Plated Size 4-36

Stock	Length	Price
Number	Inches	Gross
306525	1/4	.19
306526	%	.21
306527	3/2	.21
306528	%	.24
306529	1	.27
	assortment equal	quantities
of each abo		
PER GRO	\$ 8	24 c

	Size 6-32	
Stock	Length	Price
Number	Inches	Gross.
306530	ris.	.15
306531	1/4	. i 6
306532	₩	Ξiž
306533	1/3	∴is
306534	2	
306535	**	.20
306536	7/8	.22
	, 78	:24
306537	114	
306538	1.79	.31
306539	1.19	.35
306540	1%	.42
306541	2 .	.45
	ssortment equal q	uantities
of each ahove	lengths.	
PER GROSS		36c

PER GRUSS	······································	300
	Size 8-32	
Stock	Length	Price
Number	Inches	Gross
306542	34	.25
306543	36	.28
306544	%	.33
306545	1	.35
306492	11/4	.39
3D6493	11/4	.41
306522	2	.52
306523	3	.63
306524	4	1.35
	sortment equal	quantities
of each above		
PER GROSS		69c

PER GRUSS		69 C
	Size 10-32	
Stock	Length	Price
Number	Inches	Gross
306546	1/4	.30
3C6547	11%	.45
_		

Flat-Head Machine Screws

-Nickel Plated Size 6-32

Stock	Length	Price
Numher	Inches	Gross
306506	1/4	\$0.30
306507	1/6	.42
306508	34	.55
306509	1	.63
306510	11/2	.76
306511	2	1.05
3D6489 as	sortment equal	quantities
of each of abo		
PER GROSS		69 c

Steel-Cadmium Plated

	Size 6-32	
Stock	Length	Price
Number	Inches	Gross
306548	ñ.	.15
3C6549	34	.18
306550	1/2	.20
306551	%	.22
306552	1	.25
	ssortment equal	quantities
of each of ab		
PER GROS	R	22 c

Round Head Wood Screws Brass, Nickel Plated

Proper thick	mess for	radio v	vork.
Stock	Length	Size	Price
Number	Inches	Diam.	Gross
306512	%	5	24 c
306513	1/2	5	27 c
306514	%	6	36 c
306515	1	6	45c
3D6491 as			uantities.
of each of abo	ve langti	ns.	



Handy Hardware Assortment. 900 assorted nuts, screws, bolts, washers, eyelets, lockwashers and grommets. 3D6584

YOUR PRICE

real Bargain! Purchased separately, assortment would cost over \$2.50.
ains all these type items the
est serviceman would ordinarlly busiest serviceman would ordinarily use. Included are approximately: 125 assorted %2 machine screws ¼" to 2" length; 100 %2 nuts; 100 assorted 8/32 machine screws ¼" to 2" length; 75,

8/32 nuts; 100 assorted wood screws. 8/32 nuts; 100 assorted wood screws, etc.; 150 assorted rivets and eyelets; 100 assorted fiber washers, and rubber grommets; 150 assorted brass washers, lock washers, solder lugs, eyelet lugs. Parked in neat box with removable compartments for each assorted.

Bakelite Tubing



this assume Contains all the dest serviceman

Genuine bakelite or micarta tubing. Smooth polished surface. Natural finish. All tubing listed has \(\frac{1}{6}\)" wall which makes the inside diameter \(\frac{1}{6}\)" Length 3 Inches

L	engen J	Inches	
Stock	Outside	Price	Ten
Number	Diam.	Each	For
317435	1 "	9 c	\$0.80
317436	11/2"	12c	1.05
317437	2 "	14 c	1.30
317438	212"	16c	1.45
3C7439	3 "	19 c	1.80
7	ut to I	Length	

	ut to L		
Any lengt	h may b	e specifie	d. Minl∙
mum charge	is price	quoted p	er foot.
		Price	Four
Number			Feet for
317444	1 "	34 c	\$1.30
3C7445	114"	40c	1.50
307446	112"	45 c	1.70
3C7447	134 "	50 c	1.90
307448	2 "	55 c	2.10
307449	214"	60c	2.30
3,7450	212"	63 c	2.50
3C7451	234"	70c	2.65
317452	3 "	74 c	2.80
3C7453	314"	_80c	2.95
3C7454	4 "	85 c	3.25
317455		\$1.16	
317456	6 "	1.37	

Hollow Bakelite Rods

				43
Genuin	e Bakelit	e. Con	centri	c hole.
Supplied	in 18 in	ch leng	ths.	Longer
lengths	supplied	at	propo	rtionate
prices.		7	hick-	18 inch
Stock	Overall	Center	ness	Length
Number	Diam.	Hole		Each
30746	5 å″	10"	nh'	49 c
3C746	6 4"		A.	59 c
30746	7 4"	16"	à'	49 c
30746	B 3/3"	16"	1/8"	59 c
3C746	9 3/8"	14"	ሕ'	49 c
30747		3/4 "	1/8	59 c
Other s	izes suppl	ied to	order	at pro-
	prices.			
Order for	lengths (ther th	nan <u>li</u>	sted.

Calid Pakalita Pode

20110	Dak	ente re	uus
Solid bak	elite ro	ds. Polis	hed black
finish. Sup	plied i	n 18 incl	1 lengths
Longer leng	ths sup	plied at p	roportion-
ate prices.			Order for
lengths other	r than	listed.	_
Stock	Diam.		Ten
Number	Inches	Each	For
307457	1/6	50c	\$4.25
3C7458	16	50 c	4.25
3C7459	1/4	50c	4.25
307460	18	55 c	4.75
307461	3/8	65 c	6.00
3C7462	16	75 c	6.90
3C7463	1/2	90c	8.10



Per Thousand\$1.95

Bakelite Panels



We supply best grade bakelito pan-s. Machine well without chipping. Black finish.

1/8" Th	ick Siz	e Al″Th	ick
No.	Each In	No.	Each
3C7420	. \$0.59 7x1		\$0.95
3C7421	.75 7x1	2 307425	1.15
3C7422	.89 7x1	4 3J7426	1.30
3C7423	1.15 7x1	8 317427	1.60
	(7x2	1 317428	1.82
Suppl)	7×2		2.10
		6 307430	2.30
only in		8 307431	2.55
In. Size	7x3	0	2.57
	1.733	6 3 C7433	3.20

Special Size Panels

Number	Inches	Price
3J7400 3J7401 3J7402 3J7403 3J7404 3J7405 3J7406 3J7406	7x10 7x12 7x14 7x18 7x21 7x24 7x26 7x30	\$0.64 .76 .93 1.14 1.36 1.54 1.69



1/8" Thick	Size	A" Thick	
No. Each	In.	No.	Each
3C7420, \$0.59	7×10	3J7424	\$0.95
3C7421 .75	7x12	3C7425	1.15
3C7422 .89	7x14	3J7426	1.30
	7x18	317427	1.60
	7 x 21	3J7428	1.82
C	7x24	3C7429	2.10
Supplied	7×26	3C7430	2.30
only in 3/16 \	7x28	3C7431	2.55
in. size.	7x30		2.57
	7 736	3 C7433	3.20

Made of special compound having a rubber base. Can be drilled or cut without chippins. Will not warp. A perfect insulator for radio use. Smooth, clean edges. Thickness finch. Average shipping weight, 3 pounds. Polished black finish.

Number	Inches	Price
3J7400 3J7401 3J7402 3J7403 3J7404 3J7405 3J7406 3J7407	7x10 7x12 7x14 7x18 7x21 7x24 7x26 7x30	\$0.64 .76 .93 1.14 1.36 1.54 1.69

Lugs-Washers

Hexagon Nuts Made of brass, nickel ated. Chamfered and



countersunk for quick assembly work. Size 912. 3C6520-Per hundred22c Steel-Cadmium Plated

Stock Price Number 3C6555 3C6557 3C6558 Size Hundred 756 752 752 752 1932 18c 19c 20c 35c



3C6521-Per hundred210 -Cadmium Plated

3C6563	10	28 c
306562	8	20c
306561	6	19c
3C6560	4	18c
Number	Size	Hundred
Stock		Price

Locking Lugs and Washers



Insure permanent tight connections Whon nut is tightened down they will not loosen regardless of vibration or shaking. Tinned.

3C6588—%" lug with ±6 hole.
3C6589—%" lug with ±8 hole.
3C6590—%" washer with ±6 hole.
3C6591—%" washer with ±8 hole.
Per Hundred 25c. \$1.75 PER THOUSAND



Flat Lugs

306586 18¢ PER 100

PER 100

Per Thousand S1.55

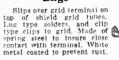
Flat lug with two holes, Illustration is actual size. Best tinned lug on the market; nakes soldering ensy. Punched from sheel brase-eventy hot tinned, no bare spots. Vastly superior to electro plated or flashed lugs quoted at competitive prices.

Similar to above. hut smaller. connections 3C6587

	8	11.	18	i	1	-	*	()	è	ĺ	0
													189

PER 100 Per Thousand \$1.45 Shield Grid Clips-

Lugs







Ten for 8¢ Per Hundred

65¢

Insulating Washers

For insulating equipment mounted on flat metal panels or

cnassis.	Flat	Washers	
Stock	Outside	Hole	Thick
Number	Diameter	Diameter	nes
3J6452 3C6450	1 78"	78 "	10
3C6451 3C6453	14"	3/4 " 3/2 "	赤
3C6454	i&"	7 "	10
3C6455	14"	1/, "	37

Extruded Washers

Shoulders fit into panel holes, insulating shaft, etc., in

bassing thro	ough panel.					
tock	Outside	Hole	Shoulder	Washer	Shoulder	•
vum be r	Diam.	Diam.	Diam.	Thick	Raise	
3C6458	1 "	%"	1/2"	± ″	± "	
3C6459	3/, "	3/8"	14"	16"		Pe
3C6460	1/2 "	18 "	3/8 17	33 "	12"	
C6461	1/2"	3/4"	3/8"	å"		-
106462	7, "	1/2"	70 "	3."	3."	

Coil Shield with Base



Shield is 24" inside ameter x41/2" overall Shiere, x4 y lead wall near top. Bases have oblong mounting holes to fit either 1½ or 1½ socket centers. Shield and base bright natural finish of 24 gauge aluminum.

3C6958-Coil Shield 0720 PER SET 10¢

Aluminum Coil Shields







th for longer coils. Coil Shield-Code 0318.

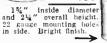
EACH	S
PER HUNDRED\$8.50	l.

Aluminum Coil Shields



2 &" inside diameter and 3" overall height, ibles for spade b o l t mounting lugs. Bright thish. 3D7000

Your Price Each . 8¢ Ten for 45c



			•	—,		30	
3D7OC	1 —	YΟU	R	PRI	CE	60	4
							-
	ren	IDE			35 c		

Coil Shield with **Bayonet Lock Base**



Base locks to can forming connection that will never vibrate nor come apart. Can is 2½" diam., and 2¾" overall height with base. No holes in can but base perforated on bottom and side for leads. Bright natural finish, 22 gauge aluminum.

200001-Cat Shiah

Cnde				104
PRICE	0579—0 EACH		 •	TOL
TEN F PER H	OR	D	 \$	7.90
		-	 	_

One-PieceShields with Base

For 82 Tubes

Ventilating holes in top and base. Height 418". Diam. 214". Base mount-ing holes for 118" and 132" sockets. 3C6955 - Tube Shield



Carter Speaker Plugs



Made of steel. Cadmium plated. Fibre top is held by spring ring, with hole in center for wire leads. Supplied only in 4 and 5 prong.

3E6150-4 prong. 3F6151 5 prong. OUR PRICE, EACH

New Close Fitting Ventilated Tube Shields

For 55, 57, 58, 6A7, 6C6 and all other Small Diameter

Dome Shaped Tubes Ventilated shell has three formed ribs which press against the side of the against the side of the tube to hold it rigidly—dampens vibration and microphonic disturbances. Natural finish aluminum metal. A wide range of base mounting sizes. Cap metal. A wide range of hase mounting sizes. Can height 1½" slotted for grid lead. Shell diameter 1½", height of body 3" chimney extension ½", Overall height assembled 4½1ac".

Aluminum Stock Number	Base Mounting Centers	Price 12¢	
3F7110 3F7111 3F7112	111/4	Ten for 950 Hund'd \$7.75	

Standard Type Ventilated Tube Shields For 55, 57, 58 Tubes Improved Non-Rattle Type

Venilated shell has three formed ribs which press against the side of the tube to hold it rightly damnens vibration and microphonic disturbances. A wild a range of base mounting sizes. Cap height 15."

Shell dismeter 15."

Shell dismeter 15."

height 3.5.". Overall height assembled 44.".

Alumi- I	Buse	L Radio	10
num	Mount-	Metal	11
Stock Number	Ing Centers	Stock Num.	
3F6950 3F6951 3F6952	1 1 2 ° 1 11/18 ″ 1 11/18 ″	3F6967 3F6968 3F6969	
rice I C	Price	8c	
Ten for \$1	0.80 Ten	for 65c 💣	

Form-Fitting Tube Shields



Types Туре A and B

For use where space is limited or to epilace spray-shield type tubes. Pro-ides magnetic as well as electrostatic shielding. Made for all sizes of dome type glass buth tubes. Two parts shield fit snugly around the tube and are firmly held in place by the shield cap and base or a clamp ring. Clamp ring and grounding elip furnished with shields for the large size bulbs. A shields for the large size bulbs. A small slot in chimney admits grid lead. Slotted mounting holes in bases of types A, B and C shields cover all socket mounting holes.

Type A 3F7107-For dome typ 1A6, 1C6, 2A6, 2A7, 2B7, 6A7, 6B7, 6F7, 36, 39, 44, 38, 55, 75, 77, 78, 79, 85 and 89 type tubes.

Type B 3F7109—For dome type 606, 6D6, 57 and 58 type tubes.

Type C 3F7113 For dome tubes such as 1V. 6Y5, 12A5, 25Z5, 31, 37, 41, 30, and others having same shape cavelone

Type D 3F6108—For dome type 24, 27, 32, 33, 34, 35 and other same diameter dome type tubes. YOUR PRICE.

EACH

60 10 FOR 50c-100 FOR \$4.75

Radio Metal Chassis Bases

Rustless—Stainless Easy to Work, Drill and Tan

ork, Ditte	una sup
Size Inches W. L. H.	Your Pric
7x 9x2 7x13x2	\$0.65 .88
10x12x3	.95
	1.23
10x23x3	1.45
	W. L. H. 7x 9x2 7x13x2



Ideal for building power amplitiers, Ideal for building power amplities, Broadcast or shortware receivers, auto-racios or test equipment. Special aluminum Radio alloy, with clean rust-less non-tarnishing lustrous finish. Non-magnetic Easy to work, drill and tap Solders readily.

Do not confuse these chassis with ordinary plated sheet steet jobs which are hard to work. These are brand new, clean undrilled bases made to our special design and order Open on bottom. Enclosed top and four aides.

Aluminum Panels

Commer-cially pure, hard tem-pered alued alu-n u m s. Natm i n u sheets. Nat-bright

sh. Thicknes	s about	inch.	
Stock	Size	List	Your
Number	Inches	Price	Price
3C7475	7x10	\$1.02	\$0.45
3C7476	7x12	1.26	.57
3C7477	7x14	1.50	.67
3C7478	7x18	1.98	.89
307479	7 x 21	2.28	99
307480	7x24	2.40	1.09
307481	7x30	3.00	5 35

Special size aluminum panels cut to your specifications. Any widt length. Thickness about & inch. width 104E7485-Per Square Foot.

\$1.10 YOUR PRICE

NOTE: Minimum charge for specially cut aluminum panels per order \$1.10

Radio Metal Shield @



TEN FOR 69c PER HUNDRED .. \$4.75

Two-Piece Tube Shields



12¢ **EACH** Ten for 98c | Per Hun. \$8.25

8 Tube Chassis Base

Drilled for an 8 tube ed welded • 1-4 orners.

C O T n

Bright rust
prize finish.
Size 18"

lene. 104" wide and 25%" deep. 4DIO909 YOUR SPECIAL NET PRICE

. 29 c

Copper Foil

Thin copper foil for shielding pans, eahinets, automobile bulkheads, c. .005 inches thick. Any length etc. applied.

306997-6 in. wide. YOUR PRICE, 10¢ Per Foot 3C6998-814 in. wide. YOUR PRICE. 15¢ Per Foot

3C6999-12 in. wide. 20¢ Per Foot NOTE: This foil will be cut to any length. Minimum billing price on any one order is 50c, so order your money's

Steel Chassis Bases



A high quality A high quality lead coated steel chassis base. As easy to cut or drill as other bases offered at competitive

at commetitive prices. Does not easy to work with as the Radio Metal bases listed above. Ternplate is heary and substantial. Supplied undrilled. All sizes are 3 inches deep and open on bottom.

Size Inches	Your Price
10x12 10x17 10x23	54 c 75 c 85 c
	10x12 10x17

Corner Posts For use with

Chassis Bases.
3D6993. Per Set
Posts. Screws and Nuts.
YOUR

Heavy cast corner posts. Mount in corners of above chassis. They close the corners perfectly and make the entire job very solid and without the slightest 'gire'. Three tapped holes on each side. Drill hole is in chassis and mount with \$\frac{5}{2}\$ screws supplied. Hase of post also tapped to take screw coming through hase on which chassis is mounted. Complete set includes: 4 Corner Posts; 21 \$\frac{6}{2}\$ screws for anchoring to any base.

Radio Alloy Shield Cans

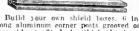
All six sides made of in" thick nonrusting zinc opper alloy mium which has superior qualities. tractive buffed silver finish. Heavy cast aluminilni COLDEL



posts drilled and tapped for %2 screws which are included. Shipped knocked down. Easily assembled in a few min utes. Height each can 6 inches.

Stock	Size	List	Your
Number	Inches	Price	Price
306983	4x5	\$2.00	1.18
306984	5 x 5	2.25	1.32
3E6982	5x9	3.00	1.47
306985	6 x 6	2.75	1.62
306986	8x8	3.00	1.76
306987	6x12	2.75	1.62
3C6988	8x10	3.50	2.06
306989	7x14	3.50	2.06

Aluminum Corner Posts



long aluminum corner posts grooved on two sides to fit & in. thick aluminum pieces and tapped at each end to fit %2 in. machine screws. Thickness of metal overall 14 in.

3C6979—YOUR PRICE,

18¢ Each Plece

3C6980—Same as above but not tapped. We ship any length specified by you. You tap ends to suit your requirements. YOUR PRICE

20¢

NOTE: Minimum size order billing for special length aluminum cerner posts is 50e i. e.—Four 15-inch pleeck would be billed at 50c, same as a single 12 inch piece

worth.

RADIO Convenience Outlets

Brown bakelito plates in attractive, soft finish. Motal parts finished in nickel or bronze. Finest quality material and boroze. Finest quality material and workmanship. Fits standard outlet boxes. Mounting screws included.

Aerial and Ground



Provides a neat convenient and efficient outlet for aerial and ground wires. Jack springs have exceptionally long contact sur-face to tightly hold the

tip plus.
3E2415—List, 75c.
YOUR
PRICE 399

Aerial and Ground
With A.C. Outlet
Combining the popular
aerial and ground terminals with a single eloctrical A.C. outlet. Extensively used in rewire
jobs in homes, apartments, hotels or offices.
3E 24 i 6—List, \$1.35.
YOUR 3E24 Your





DUPLEX A.C. Outlet with Aerial and Ground Connections

76¢ YOUR PRICE

Spring Clamp Binding Posts



10 for 50c.
Per hundred, \$4.50.
Per thousand, \$43.50.
Insulated top. Spring clamp holds wire securely. %2 screw projects %".
Length over all 1".

Spring Clamp Binding Post Assembly 306207



12¢ Ten for \$1.10 Two automatic, spring

clamp. binding posts mounted on bakelite strip 2" long, H" wide, with mounting holes 1H" conters. Completely equipped with soldering lugs—one grounded to chassis. Posts marked ant and "gnd."

Non-Removable Bakelite Top Binding Posts

3C6113-Plain.	EACH
3C6114Ant.	9¢ 🗰
3C6115—Gnd.	77 1
3C6116 +-	
3C6117— —	Per 📴
3C6118Input.	Dozen 🖘
3C6119Output.	95c
Captions engraved	on polished blac
bakelite top. Dia	meter, ½ inch
Size, %32 serew, %	inch long.

Bakelite Binding Post Kit Consists of 25 non-removable top bake-lite binding posts like above with as-sorted captions as we select. 3F6:135—Kit of 25 binding posts. YOUR

97¢ PRICE

Polarized Aerial-Ground Outlet



A convenient device for connecting set to aerial and ground lead-in wires. Impossible to reverse connections. Black bakelite cap.

3C2245-List Price VOUR24¢ PRICE



Bakelite Trio-Tap

Three connections from one outlet. Bake-lite body. Very strong, sturdy connection. Retails at 25c.

307027 Brown

Each 6c 56¢

Outlet Plug Cap

Plugs cord in receptacle and has an additional re-ceptacle on top for con-necting another cap into it. Wired same as ordin-ary cap. Body of brown bakelite. 3070324¢



Edison Socket Adapter



EACH

Ten for

Edison screw shell re ceptacle and pin type connector. Permits insert-ing lamp or screw plug at flush receptacle.

3D7033 EACH 11¢ Ten for95c

Two-Piece Attachment Plug

A sturdy, well designed, good quality composition plug. Brass blades with beveled ends.

3D7019-FA 3D7020-Caps Only



Soft Rubber **Cord Connector**

Unbreakable. Easily wired into cord. For 110 volt lines. Standard size pin 3D7035-Each. 18¢

Ten for\$1.59

Cord Connectors



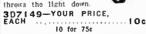
For 110 volt service. Screw protect connections. Composition Overall length 2½". 3D7036—Each 16¢ Ten for\$1.49

Rubber Handle Cap Strong, durable and convenient. Scientifically designed finger grip. Stiff, pliable, unbreakable rubber body.

3D7025—Black, Each 4¢

Green Back Bulb





Laundry Iron Elements



Standard replace ment element for all 6 pound elec-tric such as West-inghouse. Eagle, Sunbeam, etc.

22¢ 3E7091-NET EACH

Double Flush Receptacle



Bakelite body. Finest quality phos-Takes two

phor bronze contacts. standard pin caps. 3D7037 Brown IOc \$0.95

Bakelite Flush Plates

Guaranteed genuine bakelite. Beautiful egg-shell finish. Screws to

For 307039. tog-

3D7040. Duplex flush receptacle 6¢ 55 c

Plug Fuses

Underwriters approved. Tested finest quality. Porcelain body. quality. Forciain body.

Vicar mica window in

top shows at a glance

if fuse is blown. For

110-125 volt current.

The amperage of each

fuse is clearly stamped



Carton of Five 18¢ Per 100 \$2.94

on the top.

Insulated Staples



%-inch sharp pointed in-sulated staples for wire work, 100 in box. Shpg. wt., 8 oz. 3J7099-10¢

Per Box **Bell Wire**

Size 18 copper wire insulated with paraffined cotton braid. Shpg. wt. 1h

302153 50 ft. coil126 302154 100 ft. coil226

Friction Tape



Best quality. Cotton fabric Free from pin-holes. Impregnated with adhesive rub-her compound. Holds fast.

Stock Number	Size Roll	Tape Width	Your Price
3F7127 3F7125	4 oz. 4 oz.	38.	9c
3F7128 3F7126	8 oz. 8 oz.	8 6 ° }	17c

Nichrome Wire Lengths



30/096
EACH
Ten for
Coiled nichrome wire, round size 22.
Each length is 600 watts at 110 volts.
Requires no further cutting and may
be stretched to any lengths required.

Heater Element



22¢ EACH **Terminal Strip Assemblies** With "Screw and Collar" minals and Single Unit Lug





Genuine laminated bakelite strip 1/2" thick, 7/2" wide. Latest type screw and collar terminals with rigid-non-shift lug. Collar and lug is one single piece and mounted rigidly and securely through the terminal strip. Screws are brass nickel plated.

No Markings

		Mount Centers		Ten For
3 F8150	2	2'	9¢	\$0.85
3 F8151	3	2'	12¢	1.11
3 F8152	4	2'	15¢	1.42
3 F8153	5	3'4'	19¢	1.71
3 F8154	6	4'	23¢	2.22
3 F8155	7	4'4'	30¢	2.70

With Markings

Same Construction as above strips except with markings.

3F8156—2 terminals. Marked "IN" and "GND".

YOUR PRICE. EACH 95c 3F8187-6 terminals. Marked 1, 2 3, 4, 5, 6 with caption "FIELDS" a

YOUR PRICE, EACH...... Ten For .. \$2.95

3F8 158-7 terminals. Two terminals are marked 500 and the others 0, 3, 6, 9, 15 with caption "OUTPUT" at

YOUR PRICE, EACH..... Ten For ..\$3.15

3F8 159-13 terminals. A two section strip combining all the markings on the above two strips. Overall lendth 8". Three mounting holes. Mounting hole near center is 3½" from one end hole and 4" from the other end hole. YOUR PRICE, 68¢



Tie Terminal

---19¢ Per Hundred, \$1.16



New Lug **Terminal Strip** Bakelite Insulation

3D8160 YOUR PRICE SC Ten for 36 c

Simplifies wiring and provides ready means of mounting resistors Center terminal may be grounded by mounting directly to chassis. 1% long. Lugs tinned.



Tinned lugs mounted securely on laminated bakelite strips. High insulation factor. Lugs widely spaced. Two lug mounting.

Stock Number	Term- inals		
3F8162 3F8163 3F8161 3F8164	3 4 5	6¢ 7¢ 9¢	35¢ 40¢ 45¢



2" long. H" wide. Mounting holes 1H" centers. Wide head cadmium plated screws on \(\frac{3}{4}\)" centers. Solder lugs riveted on, extend \(\frac{3}{4}\)". \(\frac{3}{4}\)

Ten for. . 36c Per Hundred . . \$2.95

Screw

and Lug

NEWEST DIALS AND PILOT LIGHTS

Improved Model Airplane Dials

For All-Wave, Short-Wave and Broadcast Receivers

Attractive Designs

Translucent peach colored dial scales with distinctive dark brown indicating figures. Removaling to the cryatal lens can be removed if additional calibration markings are desired to be added in blank space below upper scale and above lower scale.

Improved Construction

Smooth friction drive. No backlash, plated frames. Dial frame has a tapped \$\frac{4\pi'}{2\pi'}\$ hole for securing to condenser frame. Fits \$\frac{4\pi'}{2\pi'}\$ shaft but supplied with reducer boshings for use with \$\frac{4\pi'}{2\pi'}\$ halts. Hair line pointers and condenser travel in same direction.

Airplane Type 25/8" Dial



With Escutcheon and Lamp Socket

Complete

3F6794-Upper scale marked 0-100. Lower scale 100-0.

3F6795—Upper scale marked 100-0. Lower scale 0-100.

Ratio 7 to 1. 3%" embossed bronze finished escutcheon. One illuminator bracket is supplied, two may be used.

Airplane Type 31/8" Dial



With Escutcheon and Two Lamp Sockets Complete Complete 79¢

3F6792—Upper scale marked 0-100. Lower scale 100-0.

3F6793—Upper scale marked 100-0. Lower scale 0.100. Ratio 10 to 1. Two

lamp sockets are supplied. This permits broadcast and short-wave scale to be illuminated independ-

embossed brouze finish escutcheon.

Giant Airplane 4" Dial



With Escutcheon and Two Lamp Sockets Complete Complete EACH \$1.15 3F6802-Upper scale 0-100. Lower scale 100-0.

3F6803-Upper scale 100-0. Lower scale 0-100. Especially desirable for Aspecially desirable for 4 band receivers. Ratio 13 to 1. A large dial suitable for the finest receivers. Two illuminator brackets supplied with dial. 4%" embossed bronze finished escutcheon.

Square Airplane 31/4" Dial

Modernistic Design 20:1 Ratio

Complete EACH 97¢ 3F6807-Upper scale 0 to 100. Lower scale 100 to 0

3F 6808—Upper scale 100 to 0. Lower scale 0 to 100

100.

Especially desirable where exceptionally "fine" tuning is essential. Enhances the appearance of the highest quality radio cabinets and consoles. 4" embossed bronze finished square escueicheon. square cutcheon. Supplied with

Airplane Type 23/8" Dial With Escutcheon



EACH 69¢

376811—Upper scale marked 0 to 100. Lower scale 100-0. Ratio 5 to 1. Translucent peach colored scale has distinct dark brown indicating markings. 2%." bronze finished escutcheon. Mounts directly on a %" variable condenser shaft or to the chassibase. Dial filuminator bracket not sumplied. base, D supplied.

All Wave Five Color Giant 6 Inch Illuminated Airplane Dial



With Reference Tuning

316804-List Price, \$4.00.

YOUR PRICE

YOUR PRICE

Broadcast Band in red from 530 to 1700 Kilocycles.

Police and Amateur Band in yellow from 1.6 to 4.5

Megacycles—Foreign Short Wave in green from 5.8

to 17 Megacycles. In addition the names of Foreign
Countries are marked on the dial indicating where
to receive these broadcasts. Beautiful five color
castle design in certer. Transversely Illuminated.

Colored figures, calibrations and halr-line white
pointer stand out as if suspended against the
opaque black background and give off a pleasing
subdued florescent glow. Designed for counter
clockwise condenser (cametty decreases to right).

Connects direct to %" drive shaft. Smooth friction
drive. No backlash. Large scale spreads out stations and permits fine tuning. 15%" long. %"
knob shaft. Mounts in 6" hole. Extre hole in
eadmium plated dial bracket for mounting volume
or Tone Control. 6 %" bronze finished escutcheon
and two liluminator brackets supplied.

DRUM DIAL

Without Plate 3E6801-Escutcheon

Extra each 17¢

Full Vision. Illuminated, Insulated socket included but no bulb. Tuning ratio 7½ to 1. ½ inch shaft for knob; % inch hole for condenser shaft. Celluloid scale 0-100 Bronze finish escutcheon plate 33, " high, 2½" wide. Fits Marvelo Model 30.

41/8" Spring Friction Drive



Dial only, Each 54¢ 3F6789-3F6790-Counterclock
3E6791-Escutcheon

plate extra.

Tuning Ratio 6 to 1. Outside diameter dial 4½". Shaft hole for %" shaft. Knob shaft ½". Celuioid scale. Pliot light socket. Bronze finish. Scutcheon plate 2½" high, 2¾" wide.

Full Vision Dial for Long and **Short Wave Work**



3E6782-3E6783-

Dial and escutcheon with pilot light socket. Extra high ratio 12 to 1. Friction drive. Full vision illuminated scale with traveling pointer. Bronze finish escutcheon plate 4%" wide, 2%" high. Takes %" shaft.

Victor R-32 Pilot Lamp

Best Quality-American Made

110 Volt. 10 Watt Inside Frosted Especially for Victor R-32 and Colonial Receivers. May also be used in continuity tests to indicate open or short circuits. Intermediate base. 17¢ 3F6909-

Ten for\$1.65



Genuine Mazda Clear Pilot Lamps

Guaranteed quality. Made by General Electric and Westinghouse. Sold only in lots of ten. Clear bulbs. Finest quality bulbs made,

Clear	Tubula	r Bulb-	-Min.	Screu	v Base
Stock Sumber	Volts	Amps.	List Each	Ten For	Mazda Num.
F7021 F7022 F7023	2.5 3.2 6.3	0.50 0.35 0.15	9¢ 12¢ 9¢	54¢ 71¢ 54¢	41 42 40
3F7024	6.3	0.25	9€	54¢	46
			_	_	_

		r Minic			
Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7041 3F7042	2.5 6.3	0.65 0.25	10¢	59¢ 59¢	43 44

Clear F					
Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3F7043 3F7044	6-8 6-8	1.0	10¢	59¢ 59¢	51 55

Clear Round Bulb—Miniature Screw Base									
Stock Number	Volts	Amps.	l.ist Each	Ten For	Mazda Num.				
3F7045* 3F7046	2.2 2.3	0.25 0.27	9¢ 9¢	54¢ 54¢	223 233				
3F7047 3F7048 3F7049	2.5 3.8 6.8	0.30 0.30 0.20	9¢ 9¢ 10¢	54¢ 54¢ 59¢	14 13 50				
	6.0	,	106	33¢	JU				

Clear Low Drain Bulbs

For Use with Air Cell Battery
2V, Storage Battery or 3V. "A" Pack
Clear Tubular Bulb—Min, Screw B

Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3 F7028	2.0	0.06	20¢	\$1.18	

Clear 7	Tubula	r Minic	iture l	Bayone	t Base
Stock Number	Volts	Amps.	List Each	Ten For	Mazda Num.
3J7029	2.0	0.06	22¢	51.29	

Genuine Mazda Colored Pilot Lamps

Colorec	1 Tub	ular I	BulbN	1in. S	crew	Base
Stock Num.	Volts	Amps.	Color	List Ea,	Ten For	Maz- No.
3J7066 3J7067 3J7068	2.5	0.50	White Green Red	12¢ 19¢ 19¢	50.71 1.14 1.14	41W 41G 41R
3J7069 3J7076 3J7077	6.3	0.25	White Green Red	12¢ 19¢ 19¢	.71 1.14 1.14	46W 46G 46R

Colored Tubular Bulb-Min. Bayonet

Stock Num.	Volts	Amps.	Color	List Ea.	Ten	Maz No.
3J7078 3J7079 3J7080	2.5	0.65	White Green Red	15¢ 20¢ 20¢	50.90 1.20 1.20	43W 43G 43R
3J7081 3J7082 3J7083	6.3	0.25	White Green Red	15¢ 20¢ 20¢	.90 1.20 1.20	44W 44G 44R

Colored Round Bulb-Min. Screw Base									
Stock Num.		1	Color	List Ea.		Maz. No.			
3J7084 3J7085 3J7086	6-8	0.20	White Green Red] 13¢	78¢	50W 50R 50G			

Colored	z Kou	na Bu	10 M t	п. Ваз	onet	Base
Stock Num.	Volts	C. P.	Color	List Ea.	Ten For	Maz. No.
3J7087 3J7088 3J7089	6-8	1.0	White Green Red		90¢ 78¢ 78¢	51 W 51 G 51 R

Imported Pilot Light Bulbs

Not equal to domestic bulbs in length of life nor efficiency. Tubular shape. Miniature Screw Base.

Article	Volts	Ten	Per
Number		For	Hundred
3E 6812	2.5	29 c	\$2.45
3E 6813	3.9	29 c	2.45
3E 6814	6.3	29 c	2.45

Transformers Pre Tuned at Factory
Guaranteed Electrically and Mechanically Perfect
Colls are all precision machine wound. Highest quality
materials and workmanship. Thorough impregnation eliminates corrosion and insures long and satisfactory operation even in humid climates.

Majestie Model No.	Majestic Part No.	Description	Stock Number	Your Price
460	10148\\ 10149\\ 10253\\ 9747\\ 9748\\ 10196\\ 10197\\ 9750\\ 9751\\ 8857	1st I. F. Trans. Complete 2nd I. F. Trans., less can Ant. Coll, less can Oscillator Coll, less can R. F. Coll, less can R. F. Colke, less can	3F9112 3F9114 3F9110 3F9113 3F9111 3F9076	.88 .50 .47 .35 .47
490	9747\ 9748{ 9750\ 9751} 8857	Ant. Coll, less can R. F. Coll, less can R. F. Choke, less can	3F9110 3F9111 3F9076	.47 .47 .29
500	10843 11705 10852 10857 10860 10866	lst I. F. Trans. Complete 2nd I. F. Trans. Complete 3rd I. F. Trans. Complete Ant. Coll, less can Oscillation Low Freq., less can Oscillator High Freq., less can	3F9137 3F9118 3F9138 3F9115 3F9116 3F9117	1.32 1.17 2.35 .47 .29 .35
520	9747 9748 10196 10197	Ant. Coil, less can Oscillator Coil, less can	3F9110 3F9113	.47
570	9747 9748 9750 9751 8857	Ant. Coll, less can R. F. Coll, less can R. F. Choke, less can	3F9110 3F9111 3F9076	.47 .47 .29
800	8995 7821 7822 10253 11014 9748 9747 9750 9751 8857	1st I. F. Trans. Complete 2nd I. F. Trans., less can Ant. Coll, no can R. F. Coll, no can R. F. Choke, less can	3F9102 3F9114 3F9110 3F9111 3F9076	.88 .50 .47 .47

Short Wave Shunts

3F6659-Your Price, Ea. 17C Enables receivers designed

Enables receivers designed only for the regular 200 to 550 meter band to include 75 to 200 meter Short Wave Bands. Small size, %"xx", ighthing. Diagram showing how to connect in the circuit included. One Short Wave Shunt is required for each antenna and each R.F. coil.

Philco Replacement Coils Replacement coils for every model Philico Home or Anto Radios are listed on pages number 134 to 139. Use Genuine Philico repair parts for Philico sets and buy them from sets and buy them from You can depend on Radolek Phileo sets Radolek, Yo

Iron Core R. F. Chokes



High "Q". R.F. chokes for use wherechokes for use where ever aftr chokes may be used. Decreased size attributes to lover capacity and R.F. rosistance, which increases of circuits used in.

Stock Number	Milli Henries	List Price	Your Price
3J6674	2.5	\$.60	35¢
3J6675	3.5	.60	35¢
3J6676 3J6677	5.5	.65	38¢
3 3 6 6 7 8	30	.85	50¢
316679	60	1.00	59¢
3 J 6680	80	1.15	68¢
316681	125	1.50	88¢

Coil Repair and Renewal Service



Send Defective Coil And Requested Information

Send original defective coil with following information: Receiver name and model, state bands covered, number and types of tubes used and number of sections in gang condenser. If coil is shielded included shield. If the coil you send is identified as a regularly stocked liven we will immediately ship an exact duplicate at the lowest dealer price.

Antenna, R.F., I.F., and Oscillator Coils Guaranteed Performance

Guaranteed Performance
In practically every instance the defective coil will be checked against and rebuilt according to the original manufacturer's specifications. This special engineering service insures receiving an exact dupilcate of the original. We guarantee that the remanufactured coil will be returned to you in perfect working condition and with electrical characteristics exactly like the original. Most re-manufactured coils will give performance far superior to the original.

Price List

R. F., Antenna and single section

R. F., Antenna and single section I.F. colls.
3J6605—
YOUR PRICE\$145

Double Section I.F., Coils 3J6606— YOUR PRICE\$1.75

.....\$1.95

I. F. Transformers In Metal Shield with Double Tuning Condensers





as replacements or set design. Can be used in any combination required for the I. F. stages. The tuning condensers are of the mica compression type, on Isolantite bases and are adjustable from the top of the shield can. Leads are color coded. Dlagram is furnished with each unit. Double Tuned.

Input	Output	Peak K. C.	Frequency Range
3J6600 3J6602	3J6603 3J6604	465 175	442-470 168-180
YOUR PRICE			69¢

I.F. Coils in Square Shield Shield Size 1%" Square x 3" High Spade Bolt Mounting Centers 1%".

Input	Output	Peak K. C.	Frequency Range
3J6617 3J6619	3J6620 3J6621	465 175	442-470 168-180
YOUR			

PRICE Primary Replacement



High impedance silk enamel windings for re-placing burned placing burned out antenna pri-maries. Defective primary section is removed from

primary section is removed from original coil and place. Sliding of collar permits variation of coupling in relation to secondary. Every serviceman should have a set of these for emercency repairs. Sizes given are for outside diameter of portion on defective call where replacement collar is to be used.

316622—for 1½" 0.D. Coils
316624—for ½" 0.D. Coils
316624—for ¾" 0.D. Coils
316624—for ¾" 0.D. Coils
316625—for ¼" 0.D. Coils
316624—for ¾" 0.D. Coils
316625—for ¾" 0.D. Coils
316625—for ¾" 0.D. Coils

Iron Core High Gain I. F. Transformer



Improved Performance

The special iron core construction in sures higher gain and greater selectivity. Gain is twice that of air core type. Selec-tivity is so improved tivity is so improved that receivers having normally poorer than 10 K.C. separation, can with the use of the se transformers, be converted into Reservers having nosi-

be converted into neceivers having positive 10 K.C. or better Complete instructions supreplacing ordinary I.F.'s separation. plied for replacing ordinary I.F.'s with these new units. Only one of the I.F.'s in the receiver need be replaced. Metal shield 18 "x316", high. Spade bolt mounts. Double

Stock	Working	Operating	Set		
Number	Rating	Extremes	Pos.		
3J7199		170-180 K.C.	Inp.		
3J7192		170-180 K.C.	Out,		
3J7198	262 K.C.	250-265 K.C.	Inp.		
3J7193	262 K.C.	250-265 K.C.	Out.		
3J7197		360-380 K.C.	Inp.		
3J7194		360-380 K.C.	Out.		
3J7196		440-470 K.C.	Inp.		
3J7195		440-470 K.C.	Out.		
YOUR PRICE, EACH \$118					

Litz Wound Antenna and R. F. **Amplifier Coils** Shielded



High Impedance -Low Impedance 20 178" Diameter x 21/4"

Shield Size 17,6" Diameter x High Spade Bolt Mounting Centers Spade Bolt Mounting Centers 13/2" 3E6645—High Impedance Antenna Coil. 3E6646—High Impedance R. F. Coil. OUR PRICE FACH

3E6644—Low Impedance Antenna Coll. 3E6644—Low Impedance R. F. Coll YOUR PRICE EACH

YOUR PRICE

EACH

These coils are matched for use with .000365 mfd. (.00035) Variable Condensers. This value condenser is used in the majority of sets that are in operation today. We recommend that a complete set of coils be replaced in a receiver in order to obtain maximum efficiency. Whatever combination of coils is selected we will ship them perfectly matched. Coils are precision machine wound and use the best of materials. Thoroughly impregnated and impervious to moisture. The proper relation between tube diameter and wire size has been efficiently chosen and, regardless of the size of the coil to be substituted, the particular size shown will make an excellent replacement. The difference between low impedance and high impedance coils is in the primary windings. Instead of having a primary wind comparatively few turns wound over the secondary as furnished in all low impedance coils, the high impedance coils are necessary where screen-grid tubes are used in the circuits and furnish a maximum gain throughout the entire wave hand. Litz coils can be readily substituted for Enamel and furnish approximately 20 per cent higher gain and increased selectivity over the broadcast band.

Unshielded Litz Coils



High Impedance -Low Impedance

—Low Impedance
The same as those listed above except without shield. Supplied on a standard 78" outside diameter by 24" high coil form. Mounting bracket and dowel with mounting screws supplied enable mounting of coil in any position.

High impedance Colls

257152—Antenna Coll

3E7 | 52-Antenna Coil, 3E7 | 53-R. F. Coil. YOUR PRICE, EACH

Low Impedance Coils 3E7 | 50—Antenna Coll. 3E7 | 5 | —R. F. Coll. YOUR PRICE, EACH ...

Midget Antenna R. F. and Oscillator Coils





11/4"x13/4" High 3F6689-3F6690-3F6691-Osc. Coll. (For

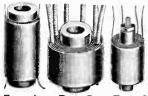
27¢

EACH

175 KC)

Small size high gain shielded coils. Designed for Superheterodyne and T. R.F. receivers requiring compact efficient coils. Newest type litz wire sectional winding with low R.F. resistance and distributed capacity. For use with .000365 (.00035) Mfd. variable condensers. Desireable for auto radio construction as well as home receivers because of their compactness and efficiency. All coils are perfectly matched and may be used in any combination desired. Supplied complete with wiring diagram.

Replacement Coils for Majestic Receivers



Type A Type B Type C Type A Type B Type C Designed to replace the i.f. section in complete Majestle coll assemblies. Exactly duplicate the i.f. section. Thoroughly impregnated and impervious to moisture. These coils are not recommended unless facilities for proper balancing of the completed coil assembly are available. For an exact duplicate replacement of the entire coil assembly (exact duplicate replacement are pre-tuned, no complicated adjustments are necessary) make your selection from the listing at right. tion from the listing at right.

CIOII II	om the man	HR	at right	
Ma- jestic Part No.	Receiver Model	T y p	Stock No.	Your Price
4428	15, 15B, 55. 150	C	319330	35¢
4429\ 8384} 5326	15, 15B, 55, 150 25	B	3J9331 3J9332	} 41c
5327 5602 5601 6506 10589	25 25B 25B 55	A A C	3 J 9333 3 J 9334 3 J 9335 3 J 9336	53¢ 53¢ 41¢ 41¢
10078	66	A	3 J 9 3 3 7	41¢
100981 10591 / 7643 9355 9361	66 114 116 116	B A B	3 J 9 3 3 8 3 J 9 3 2 9 3 J 9 3 4 1 3 J 9 3 4 2	41c
6987 6250 6254 6119 6123 6127 6588	120B 200 200 210 210 210 210 220	B C A A A B A	3 J 93 43 3 J 93 44 3 J 93 45 3 J 93 96 3 J 93 97 3 J 93 97 3 J 93 47	41¢ 41¢ 53¢ 41¢ 41¢ 41¢ 59¢
6572 6592 7205 7230 7821	220 220 290, 300 290, 300 310A, 310B,	B B A	3J9348 3J9349 3J9350 3J9351	41¢ 53¢ 41¢ 53¢
7812	330, 800 310A, 310B. 330, 800	A B	3J9352 3J9398	41¢
9669 10148 10149	360 400 460	B A A	319399 319353 319354	41c
10843 11705 10253 11014	500 500 460	A A B	3J9355 3J9356 3J9114	50¢
Driman	Laall mand a	a 1	E Die	0 0011

Primary coil used as R.F. Plate coil in Models 290, 300, 310, 330, 460, 520, and 800. Maiestic Number 7187. 319050—List Price, 75c. 41¢ YOUR PRICE

R.C.A. Replacement
Coil Sections Only
319140—RCA80 1st 1.F. Net 41c
319141—RCA80 2nd 1.F. Net 44c

Clarion Replacements



Coil Sections Only

Coil Sections Only 319144—M od. 100 2nd I.F. 319145—M od. 220 2nd I.F. 319147—Mod. 220 2nd I.F. 319148—Mod. 360 2nd I.F. 319149—Mod. 400 Ant. Coll YOUR PRICE PRICE 59¢



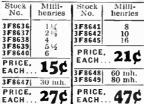
BELMONT
REPLACEMENT
For Models C-119,
50C Viking 51C
Composite I.F. and
Oscillator Coil
Complete coil assembly,
Exactly duplicates original, S12e 3"x2"x2"x2".
List, \$2.50. \$147

PRICE

R. F. Chokes

Lattice Wound-

Mounted Small, compact, Small, compact, lat-tice wound coils using silk covered enameled ed enameled Units are wire. Units are ductance and have high R.F. impedance. Hole in center.



Radio Frequency Chokes



Unshielded coils have solder lugs securely anchored to bakelite form.
Shielded coils are completely shielded in aluminum case 1%" diam., 18%" long. Insulated where leads. Single mount serew projects %".

Unshi	elded	Shield	led
Stock	Milli-	Stock	Milli-
Number	henries	Number	henries
3D6650	80	3D6660	80
3D6651	60	3D6661	60
3D6652	30	3D6662	30
Your Price, Ea.	34¢	Your Price, Ea	42¢
3D6653	10	3D6663	10
3D6654	516	3D6664	5 1/2
3D6655	316	3D6665	3 1/4
3D6656	216	3D6666	2 1/2
Your Price, Ea.	24¢	Your Price, Ea	32¢

New Triple Tuned I. F. Transformers



ridelity with Increased Selec-tivity and Sen-sitivity. Greater High 3J7180-456 Ke.

3J7 | 81 -456 Ke. Output. List Price, \$3.00.

YOUR PRICE

\$**¶**36

Greater High Fidelity reproduction without any sacrifice of sensitivity or selectivity. The selectivity curve has a flat top over practically the entire 10 Kc. range which permits reception over the complete audio range—no cut-ding of side bands yet positive 10 Kc. saparation. One stage of Triple Tuned 1.F. gives twice the selectivity of a Double Tuned stage. Triple ple windings are each individually tuned. Adjusting trimmers are at side of shield can. Frequency range variable from 450 to 470 Kc. Easy to install. Consections are practically the same as other 1.F.'s with exception of one additional ground lead. Metal shield 13%" square by 4" high. Spade bolt nounts. Diagram and instructions.

Tuning Wand WITH FLEXIBLE SHAFT

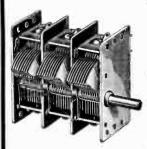
3F8650 List, \$1.00. YOUR PRICE

YOUR PRICE
For checking alignment in all-wave receivers without disturbing the adjustment of the triumer capacitors. A flexible strong fibre rod with a brass cylinder on one end and a sreedal finely divided iron core at the other end. Inserting the brass cylinder into a coil lowers list inductance, while inserting the iron increases the inductance. Proper adjustment is evidenced by a reduction in output with either end of the wand inserted into coil.

Exact Original Manufacturers Specifications Each coil is completely assembled and an exact elec-trical and physical duplicate of the original. Size, mounting holes, trimmers, and color coded leads are all carefully followed. The word "Complete" after any coil description signifies that the shield can and trimmer condenser are included.

		rimmer condenser are included.		
Majestie Model No.	Majestic Part No.	Description	Stock Number	Your Price
15	4428 44291 8384	1st I. F. Trans. & Osc. Complete	3F9060	51.47
	4428	2nd 1. F. Trans. Complete 1st I. F. Trans. and Osc. Complete	3F9061 3F9060	1.47
15B	4429\ 8384} #490 5488	2nd I. F. Trans. Complete 1st R. F. Trans., less can 2nd R. F. Trans., less can	3F9061 3F9063 3F9062	.88 .59 .44
Chassis 20 Models 21, 22, 23	3908 3960\ 3907}	1st I. F. Trans. Complete 2nd I. F. Trans. Complete	3F9064 3F9065	1.47 1.76
25	5326 5337 5346	1st I. F. Trans, Complete 2nd I. F. Trans, Complete	3F9066 3F9067	1.03 1.03
25B	5602 5601 5346	2nd R. F. Primary Choke 1st I. F. Trans. Complete 2nd I. F. Trans. Complete 2nd R. F. Primary Choke	3F9068 3F9069 3F9070 3F9068	1.17 1.17
35	5768 5771 5773	lst I. F. Trans. Complete 2nd I. F. Trans. Complete 3rd I. F. Trans. Complete	3F9093	1.47 .88
	6506	1st I. F. Trans. and Osc. Complete 2nd I. F. Trans. Complete with	3F9095 3F9096	1.62
55	4429\ 8384\ 5490 5488	2nd I. F. Trans. Complete with can and trimmer 1st R. F. Trans., less can 2nd R. F. Trans., less can	3F9061 3F9063 3F9062	.88 .59 .44
60	4439 4267\	1st I. F. Trans. Complete	3F9071	1.76
	10078)	2nd I.F. Trans. Tapped, Complete	3F9097	1.76
	10079 10589 10098 10099	1st I. F. Trans. Complete 2nd I. F. Trans. Complete	3F9074	1.17
66	10591			
	10018 10020 10021	Ant. Coil, less can Oscillator Coil, less can	3F9072 3F9073	.53
	10013\ 10014\ 8857	R. F. Coll Assembly, less can R. F. Choke, less can	3 F9099 3 F9076	.59 .29
114	8323 7643	1st I. F. Trans. Complete 2nd I. F. Trans., less can	3F9040 3F9041	1.17
120B	6984 6987	1st I. F. Trans. Complete 2nd I. F. Trans. Complete	3F9048 3F9049	1.70 1.47
150	4428 44291 83845 5490	1st I. F. Trans. and Osc. Complete 2nd I. F. Trans. Complete 1st R. F. Trans., less can 2nd R. F. Trans., less can	3F9060 3F9061 3F9063	1.47 .88 .59
	5488 4439	2nd R. F. Trans., less can 1st I. F. Trans. Complete	3F9062 3F9071	1.76
160	4464 4267	2nd I.F. Trans. Tapped, Complete	3F9097	1.76
200	6250 6254 6263	1st I. F. Trans. Complete 2nd I. F. Trans. Complete R. F. Trans., less can	3F9079 3F9080 3F9082	1.17 1.17 .73
	6119 61231	1st 1. F. Trans. Complete	3F9083	1.03
210	6684 3910 6308 5346	2nd I. F. Trans. Complete 3rd I. F. Trans. Complete Ant. Coll. less can 2nd R. F. Primary Choke	3F9084 3F9052 3F9054 3F9068	.88 .73 .38 .29
310A and 310B	8995 7821 7822 7812	lst I. F. Trans. Complete 2nd I. F. Trans. Coll only	3F9102	1.04
330			3F9103	.47
and 390	7812 8730 8857	2nd I. F. Trans., coll only It. F. Coll, less can R. F. Choke, less can	3F9125 3F9127 3F9076	.47 .73 .29
000	8995 7821 7822	1st I. F. Trans. Complete	3F9102	.88
360	78223 9094 8729 8730	2nd I. F. Trans. No Can Ant. Coll Complete, less can R. F. Coll, less can	3F9132 3F9126 3F9127	.35 .73 .73
370	9225 9229 9668	1st I.F. Trans, and Osc., Complete	3F9105	.88
390	7000)	2nd I. F. Coil, less can Model 390—Same as 330	3F9106	.47
300				

Quality Variable Condensers



The Condensers described on this page are the finest made. The Condensers described on this page are the finest made. They are the first quality product of the originators of the variable Gang Condenser carrying a section with specially shaped plates for tuning the oscillator of Superheterodyne circuits, and the Company which supplies the majority of the largest nationally known Radio Set Manufacturers. Their the largest nationally known Radio Set Manufacturers. Their long experience in this field is reflected in the superior workmanship and advanced mechanical and electrical features to be found in these fine units: Frames and shields of heavy cold rolled steel finished in bright cadmium plate, heavy aluminum plates, ball bearing shafts, new vernier mechanism; and extremely accurate calibration—capacity variation between gangs plus or minus 1%. There is a type for every replacement or constructional need available.

Note: All Condensers Illustrated are of Clockwise Rotation.

Your Price, Each

\$1.03 1.52



Low Shield Superheterodyne Model ity .000020 mfd. Maximum capacity of oscillator section .000354 mfd. Minimum capacity .000020 mfd. Size of end plate: 2.5x4 in Length: 2-gang 214", 3-gang 4", 3-gang 4", ball bearing shaft.

Stock

Number

Special oscillator section at rear condenser for tuning the oscillator of superheterodyne receivers without the use of a padding system. For use with a 175 K.C. intermediate frequency. Maximum capacity of R.F. section .000365 mfd. Minimum capac-

Clockwise Rotation

Stock Number	Num. Gangs	Trim- mers on:	Your Price, Each
3D7350 3D7351 3D7352 3D7353	2 2 3 3	Right \Left {Right \Left Left }	\$1.03 1,52

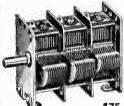
3D7353	3	Left 5	1,52	3D7359	3	Left }	1.52
LowShield	T.R.F.	Models (C	apacity:	.000365 mfd	Max.,.	000020 mf	d.MIn.)
3D7362 3D7363	2	Right \	\$1.03	3D7368 3D7369	2	Right	\$1.03
3D7364 3D7365	3	Right	1.52	3D7370 3D7371	3	Right	1.52

High Shield Superheterodyne Model

Has special section at rear for tuning oscillator of superheterodyne circuits without the use of a "padding" system. Designed for 175 K.C. intermediate frequency. Capacity of 2\frac{1}{2}", 3-gang. 4", 4-gang 5\frac{1}{2}", 5'' ball bearing shaft.

Clockwise Rotation

Lio	crwise	Kotatio	13 1	Country		*****	
Stock Number	Num. Gangs	Trim- mers on:	Your Price, Each	Stock Number	Num. Gangs	Trim- mers on:	Your Price, Each
3D7374 3D7375	2	Right \	\$1.03	3D7380 3D7381	2 2	Right }	\$1.03
3D7376 3D7377	3 3	Right	1.52	3D7382 3D7383	3 3	Right \	1.52
3D7378	4	Right	2.03	3D7384 3D7385	4	Right Left	2.03
High Shield T.R.F. Models (Capacity: .000365 mfd. Max., .00002 Mfd. Min.)							
3D7386 3D7387	2 2	Right	\$1.03	3D7392 3D7393	2	Right	\$1.03
3D7398 3D7389	3 3	Right Left	1.52	3D7394 3D7395	3 3	Right Left	1.52
3D7390 3D7391	4	Right	2.03	3D7396 3D7397	4	Right Left	2.03



New Compact Condensers

Counter-Clockwise Rotation

mers on:

Right 1

Num.

Gangs

Superheterodyne and T.R.F. Models

Specifications for SUPERHETERODYNE MODELS: Maximum capacity of r.f. section for both 175 and 456 K.C. condensers—0.00365 mfd., minimum .000016 mfd. Maximum capacity of oscillator section for 175 K.C. model—0.00275 mfd., minimum .000015 mfd. Maximum capacity of oscillator section for 456 K.C. model .000365 mfd., minimum .000016 mfd. Dimensions of end plate on all models 3.6 x13 ii. Length 2-gang 2.5 ". 3-gang 3%". Ball-bearing shaft %" diam., 1½" long.

175 K.C. Superheterodyne Models

Clockwise Rotation			Coun	ter-Clock	kwise Rota		
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3D7310 3D7311	2 2	Right\	84c	3D7314 3D7315	2 2	Right Left	84c
3D7312 3D7313	3 3	Right Left	\$1.23	3D7316 3D7317	3 3	Right Left	\$1.23

456 (465) K.C. Superheterodyne Models

(Clockwis	e Rotation	1	Coun	ter-Clock	kwise Rota	
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trinimers on:	Your Price, Each
3F7354 3F7355	2 2	Right) Left	84c	3F7366 3F7367	2 2	Right\ Left \(\)	84c
3F7360 3F7361	3 3	Right Left	\$1.23	3F7372 3F7373	3	Right Left	\$1.23

T. R. F. Models

Maximum capacity .000365 mfd. Minimum capacity .000016 mfd.

Clockwise Rotation Counter-Clockwise Rotation

Clockwise Rotation							
Stock Number	Num. Gangs	Trimmers on:	Your Price, Each	Stock Number	Num. Gangs	Trimmers on:	Your Price, Each
3D7318 3D7319	2 2	Right) Left	84c	3D7322 3D7323	2 2	Right) Left	84c
3D7320 3D7321	3 3	Right Left	\$1.23	3D7324 3D7325	3 3	Right) Left	\$1.23



Short Wave Condensers

Compact .00015 Mfd., (150 mmf.)

High quality small size condensers. Especially designed for all types of short wave receivers and converters employing either a one, two or three gang condenser. Itigli construction provides for electrical and mechanical efficiency. Accurately fitted ball bearings at end of condenser shaft provide for long life, quiet operation and stability of calibration. Shaft length 114", shaft diameter 14". Height of all models 114". Tapped holes in base for mounting. All sections are .00015 capacity.



Stock	Num.	Trimmers	Length	Width	Your
Number	Gangs	On;	Inches	Inches	Price
3F7284 3F7285	1 2 2	Left Left	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	234 314 314	57¢ 88¢ 51.32



Single Gang Condensers

Low Minimum

Cadmium plated. End plate 3 ½ x 2 ½". Heavy situminum plates. Wiping phosphor bronze rotor connections. Shield dominimum compensators with grounded adjusting screw. Steel shaft % inch diameter—ball bearings.

Number	Mfd.	Plates	Each
3F7250	.0001	6	57c
3F7252	.00025	12	
3F7253	.00036	17	
3F7254	.00046	21	

Compensating Neutralizing Condensers

For use in circuits where a small, variable capacity is needed for neutralizing, compensating or as a vernier or balancing condenser. Fino quality. Excellent design and construction. Rugged. Accurate. Aluminum plates. Supplied without knob. Shaft, diameter 1¼", extends 16". Mounts insingle %" hole, on any panel not over ¼" thick. Overall size opened up—1%" high; 1%" wide: 1%" deep. Overall

Max. Cap. Stock Number Plates Mmfd Price Price 50.35 \$0.60 3 5 7 9 .38 .65 .70 .75 $\frac{45}{60}$ 3 E 7304 .80 .85 .90 .47 .50 .53 3 E 7 2 5 5 11 125 140 20 3F7258

Minimum Capacities from 3 to 5 mmfd.

Thordarson Vernier Condenser

Capacity .001 Mfd. (43 plates) 3D7307 List Price.

\$4.50.
YOUR PRICE
Completely shielded

YOUR PRICE.
Completely shielded
against body capacity. Dust
shield protects plate.
Double cone adjustable met
al bearing. Bearing secured
directly to the shielding base plate without any
delectric. Hard rubber nsulation is used
throughout. Lowest possible zero capacity. Supplied
complete with vernier adjustment, knob and dial.
Drilling template included.

Exact Duplicate Replacement Condenser Blocks

Fully Guaranteed — Only New High Quality Materials Used

For ATWATER KENT **Condenser Blocks**



Models 37 and 38 Including Chokes 3F9450-YOUR PRICE \$3<u>39</u>

Contains 3 mfd. filter block and 3 chokes, two high voltage filter chokes and one speaker choke. Six color coded insulated 6" leads and ground terminal. Size 5x4½xx3¼".

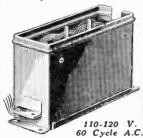
Part No. 9497 for Models 37, 38, 39, 40, 42, 46, 52
25-25-25 mtd. bypass condenser size 3x2%xx½. Three leads, \$1.50.

Speaker By-Pass Condenser A.K. Part Number 14902 For Models

37, 38, 40, 42 44 and 46 3F9453—List Price. 75c. 44¢ PRICE Exactly duplicates the original condenser used in the above sets. Guaranteed to

agove sets. Guaranteed to fit exactly. Capacity 0.3 Mfd., 450 volts. Size overall 3\%" thick. Mounting flange extends \%" from side of netal case and has 1\%" mounting centers. Condenser is thoroughly sealed in a metal case.

For ATWATER KENT **Exact Duplicate** Complete Power Pack



No refitting or refitting necessary to Install these exact Duplicate Power Units. They match the electrical and physical specifications of the original in every detail. Includes: power transformer, chokes and condensers in a strong durable enameled metal container. Diagram supplied.

For Models 40, 40F, 42, 42F, 44, 44F, 45, 52, 56 and 57 3J9454—List, \$16.88. \$9.84

3F9455—Condenser only for the above complete power pack. List. \$3.00.
YOUR PRICE\$1.47

For Models 43, 46, 47, and 53 Complete Power Pack

Power Transformer, Condenser, Choke and output transformer. 3J9456—List, \$20.88. \$10.80

3F9457—Condenser only for the above complete assembly. List, \$6.06. YOUR PRICE \$3.50

For CLARION Condenser Blocks

3J9493-Model 60 A.C. 3J9494-Model 40

3J9495-Model 220 YOUR PRICE \$6.41

3J9496-Model 260 319496-Model 260 YOUR PRICE, ea. \$5.35

For MAJESTIC **Condenser Blocks**



Exact duplicate Majestic replacement condenser blocks. Built to the original specifications they fit exactly and will give better service due to increased safety factors. All terminals plainter proceeds

Part No. 9P6 for Model 90
Total 7 mfd. Six lug terminals. Container 9x4x21/4 inches.
319460—Supplied with resistors in

YOUR PRICE \$1.85 319497-Supplied with chokes-re-YOUR PRICE \$3.27

Series 20
6.1 Mfd. Ten lug terminals.
iner size 7%x1%x2½ inches.
es condensers, choke and in-Container Includes

put transformer,

Series 30
Total 7.135 Mfd. Nine leads. Includes condensers, choke and resistor. Container size 7½x3½x3½ inches. 3J9462— 3J9462-YOUR PRICE \$6.00

Series 50 Total 8.1 Mfd. Six leads. Container size 61/x4x21/2 inches.
3F9463—List, \$4.50.

OUR PRICE \$2.20 90B and 100B

Total 7 Mfd. Five leads. Container size 6½x4%x2½ inches. 319465 YOUR PRICE \$2.95

130A and 230A 130A and 230A 1 6 Mfd. Four leads. 6½x4%x2½ inches. 466—List, \$6.00. Container 319466 319466—List, \$6.00. \$2.50

For PHILCO Condenser Blocks



Model 87 Part 3401 3F9467 PRICE \$**2**45

Exact duplicate of Total 8.21 Mfd. Ten termin Container size 5 1 x4 4 x2 1 inches.

Model 20 Total 5.1 Mfd. Six terminals. Container size 5\%x2\%x2\% inches. 3F9468—List, \$4.50. \$2.20 YOUR PRICE

Model 65
Total 6.25 Mfd. Six terminals, Container size 5 1/4 x 1/4 x 2 % inches, 3 J 9 4 6 9 — List, \$4.50, \$2.60 YOUR PRICE \$2.60

Model 76

For R. C. A. VICTOR Condenser Blocks

Models R64, 9-54, 9-18X, 9-56 d. d. d. d. d. d. d.

Total 20 Mfd. Eight leads. tainer size 512x41%x2% inches. leads. Con-319471-

Models 17, 50

Total 14 Mfd. Seven Terminals. Container size 5½x3%x2% inches.
3J9472— YOUR PRICE \$4.34

Models 44, 46, 47
Total 8.25 Mil. Nine terminals. Con-Models 42, 48

Total 5 Mfd. Eleven terminals. Container size 5½x1½x2% inches. 3F9474—List. \$7.50. YOUR PRICE

RCA Superette
Total 3.15 Mfd. Eight terminals. Confainer size 3%x6x2½ inch 3J9475—List, \$7.50. YOUR PRICE \$1.03

Models R-50, R-55 Total 6.1 Mfd. Eight terminals. Container size 6x3%x2½ inches.
3J9476—List, \$6.00. YOUR PRICE \$2.75

Models R32, RE45, RE52 Total 10.25 Mfd. Five terminals. Container size 5为x5x4 Inches. 319477 YOUR PRICE \$4.66

Models R7, R9
Total 3.15 Mfd. Eight terminals. Container size 3%x6x2½ inches.
3J9475—List, \$7.50. YOUR PRICE

Madel R11 Madel RII
Total 10.6 Mfd. Fifteen
Container size 5x3%x2½
3J9479—List, \$7.50.
YOUR PRICE

Models R8, R10
otal 20.5 Mfd. Fifteen terminals.
ontainer size 2½x6x3% inches. Total 20.5 3J9480— YOUR PRICE\$3.97

For SPARTON Condenser Blocks

Model 930 Modet 939
Exact duplicate of
the original part used
in the Model 930
Sparton receivers.
Total capacity 6.1
mfd. Individual sections: 3-1 mfd. 600
rolt: 1-2 mfd. 600 1-2 mfd. 1-1 mfd. 600 Between the 1-1 mfd. 600 volt 1-1 mfd. 600 volt rolt; 1-2

mfd. 600 1-1 mfd. and 1-1 mtd. 600 volt extends are insu-volt sections is a .1 mfd. 600 volt by-pass condenser. Leads are insu-lated and color coded exactly like those on the original part. Dimen-sions 5½" high, 3½" wide, 2½", deep. New merchandise and fully

aranteed. 319481-YOUR PRICE Models AC69A, 79A, 89, and 78A

Total capacity 7% mfd. 8 color coded 10" leads. Dimensions: 5%" high, 3%" wide, 2½" deep. 2½" mounting hole centers.

319482 .. \$4.75 YOUR PRICE Model 89A id. Five leads. Total 6 mfd. Five leads, size 7x4%x3 inches.
3J9483-List, \$12.00.

YOUR PRICE ...

Container \$4.16

For SPARTON **By Pass Condensers**

Exact replacement for Sparton receivers—2%" diameter. 10 ng—1\[\frac{1}{3}\] diameter. Bracket on end for \(\frac{5}{2}\) screw. Mounting lug with slot at side. Fibre case with hermetically sealed ends. Paper and foil type. 1928-31 models.

Working Volts 600 Stock Cap.

Price Each 3F5290 3F5291 3F5292

For STEWART-WARNER Condenser Blocks Model 900

Ten For \$2.46 2.75

By Pass Condensers and Chokes Total 2.75 Mfd. Ten terminals. Container size 4½x5% inches.

3F9484-Your **\$4.50**

Model 950 Model 950
By Pass Condenser and Chokes. Tstal
2.75. Ten terminals. Container size
5%x2¼x4¼ inches.
3J9485—List, \$10.00. 3J9485—List, \$10. \$4.50

For U. S. RADIO & TELEVISION (Apex-Gloritone

Condenser Blocks PART No. 733 for Model 41 Receiver

Total capacity 4.5 mfd. 1 isulated color coded 12" leads. Dimensions: height 5", width 2½", 4 mounting boits at bottom, ½" 1 ong for 13"x1±"

mounting hole centers. 319486-YOUR PRICE

\$1.85

Model 26 Apex Gloritone
Part 2235

Special multiple section bypass, 1-1-4-4-4-4-4. Size 4½x2½x¾. Exact duplicate of the original part. Eight insulated flexible leads and one lug terminal

Models 46, 47—Part No. 975
Total capacity 5.6 mfd. 5 insulated
color coded 12" leads. Appearance
and dimensions exactly the same as
the above filter condenser. 319488-

YOUR PRICE Model 28

Total 6 Mfd. Five terminals. Container size 4%x372½".
3F9489—List, \$4.50.
YOUR PRICE\$2.20

Model 42 Total 5 Mfd. Four terminals. Container size 5x3x1% inches.
3F9490—List, \$5.25.

3F9490—List, \$5.25. \$2.57

Model 48
Total 6 Mfd. Five terminals. Container size 5x1%x3 inches. tainer size 5x13x3 inches.

3J9491—List, \$4.50. \$1.90

YOUR PRICE

Model 80, 81

Total 7 Mfd. 7 lead terminals. Container size 5x3%x25% inches.
3J9492—List, \$5.25. YOUR PRICE

REPLACEMENTS

If the condenser you desire is not in-cluded in our listing, send set name, model and part number or old unit and all available information. Quick stipment of a duplicate will be made at the lowest price for high quality new merchandise. Old unit will not be returned unless requested.

Keystone By-Pass Condensers

Tubular Condensers



By-Pass These By-Pass Condensers represent an exceptional value at our new loop prices. They are carefully made of the finest materials and in accordance with the most advanced principles of condenser manufacturing processes. We recommend this line to you for use wherever a strictly first-class unit at a moderate price is required. Metal foll and linen paper, wax impregnated. Hermetically soaled in tubular fibre cases, 1½ inch tinned leads, securely anchored. Approx. 2" long, 3" to 1\%" Diam. Condensers represent

400 Volts O. C. Working Volts		600 Volts O. C- Working Volts
Stock Num.	Cap. Mfd.	Stock Num.
3F5400 3F5401 3F5402 3F5-03 3F5-04 3F5-06 3F5-06 3F5409 3F5410 3F5410 3F5410	.0001 .0002 .00025 .0005 .001 .002 .003 .004 .005 .006	3F5425 3F5426 3F5427 3F5429 3F5429 3F5430 3F5431 3F5431 3F5432 3F5433 3F5434 3F5435
3F5412 3F5413 3F5414 3F5416 3F5416 3F5416 3F5418 3F5419 3F542 3F5421 8c ea. 3F5421 8c ea. 3F5421 8c ea. 3F5421 3F5421 8c ea.	.01 .02 .03 .04 .05 .06 .07 .08 .1	3F5437 3F5438 3F5439 3F5440 3F5441 3F5442 3F5442 3F5443 3F5445 3F5446 3F5446 3F5447 3F547 3F747

Best Quality Paper Type By-Pass Condensers



Metal Cased

Popular among manufacturers, servicemen and experimenters. Will give long and satisfactory service. Hermetically sealed in metal containers. Metal foll elements. netal containers. Metal foll Paper insulated. Size %x %x1# inches.

Stock	Capy.	D.C. Working	Your
Number	Mfds.	Volts	Price
3E5206	.05	400	14c
3E5200	.1	400	15c
3E5201	.25	400	19c
3E5202	.5	400	22c
3E5207	.05	600	19¢
3E5203	.1	600	20¢
3E5204	.25	600	22¢
3E5205	.5	600	32¢

By-Pass Condensers Lugs from End

Non-inductive "paper" Condensers sealed in metal cans. Size 1 Hx %x2 inches

Stock		D.C. Working	Your			
Number		Voltage	Price			
3E5210	1.	400	30¢			
3E5217*	2.	400	49¢			
3E5211	.5	400	24¢			
3E5212	.25	600	22c			
3E5213	.5	600	31c			
3E5214	1.	600	44c			

2"x1"x2" *Note-Supplied in size

Multiple Tubular Condensers



Metal Foil and Linen Paper Paraffin impregnated, hermetically scaled in fibre cases. One continuous non-inductive winding; each section remains non-inductive. 1½" bare wire common leads. 4" insulated stranded wire section leads.

400 D.C. Working Voltage

Stock Number		Price Each
3E5460	.0101	12c
3E5461	.010101	21c
3F5467	.0505	14c
3E5462	.11	15c
3E5463	.111	26c
3E5464	.1111	34e
3E5465	.11111	41c
3E5466	.2525	26c

600 D.C. Working Voltage

Stock	Container		Price
Number	Size		Each
3E5470	1 1/6 x 0 /6	.0101	21¢
3E5472	2 3/8 x 13 /6	.11	24¢
3E5473	2 3/8 x 15 /6	.111	34¢
3E5474	2 3/4 x15/4	.1111	41e
3E5475	2 3/4 x1	.11111	51c
3E5476	2 3/8 x1	.2525	34c

Special Value By-Pass and Filter Condensers

1/2 Mfd. 300V D.C.

300 V. D.C. working voltage. Metal can is ig in. wide. 2t in. high, in. Three mounting hole centers lx

deep. 2½x2½^D. Solder lug terminals are pierced, making wiring and soldering

casy.					
3E549	0				19¢
PRICE,	EACH		 		777
Lots	of 10.	 	 	SI	.75

By-Pass Condensers





Combination By-Pass Condensers

600



3E5223 .5 3E5224 1.

Non-inductive. "paper" conden-sers sealed in metal cans. Small size. convenient

300

246

310

Size lx?		Mtg. Ce	nters 21/2".
Stock	Capy. E	C. Work	ing Your
Number	Mfds.	Voltage	Price

3E5241 .1-.1 3E5242 .1-.1 **Combination By-Pass**

Condensers Non-inductive "paper"

condensers in metal cans. Size %x123x2 inches. Mtg. centers 2 % and 1% inches. Size is convenient for mountin practically any

Number	Mrd.	Volts	Price
3E5230	.11	400	27¢
3E5231	.111	400	36c
3E5240	.1111	400	52¢
3E5232	.2525	400	32¢
3E5233	.252525	400	49¢
3E5234	.55	400	39¢
3E5235	.11	600	37¢
3E5236	.111	600	42¢
3E5237	.2525	600	38¢
3E5238	.252525	600	49¢
3E5239	.55	600	

Potter By-Pass Condensers

Metal Case By-Pass

with Lugs
Compact, noninductive units in
metal cans. Designed to permit large
capacities and high voltages in a
minimum space. High resistance paper
dielectric, chemically impregnated.
Size of can %x%x1j3 inches. Mountlng centers, 24 inches.

		D.,	Dans	
E5034		.25	600 600	27¢
E5032 E5033	A-403	.5	400	33¢
E5030 E5031		.1	40 0 40 0	24c 27c
Stock Num.	Code Num.	Cap. Mrd.	Work. Volt.	Your Prico



Bv-Pass and Filter Condensers with End Lugs

Non-Inductive

Type A. Size: Ifix %x2 inches. Mtg. Hole centers 111 and 211 inches,

Stock Num.	Code Num.	Cap. Mfd.	D. C. Work. Volt.	Your Price
E5040	A-404	1.	400	44e
E5041	A-403	.5	400	33e
E5042	A-602	.25	400	27e
E5043	A-603	.5	600	39e
E5044	A-1002	.25	600	32e



By-Pass and Filter with Side Lugs Non-Inductive

Type AA. Size I 3/4x2 Inches (same size as Crosley RF by pass condensers). Mtg. centers 211 Inches.

Stock	Code	Cap.		Your
Num.	Num.	Mfd.		Price
3E5053	AA-203 AA-302	1. .5 .25 .5 .25	400 400 400 600	44c 33c 27c 39c 32c

Cub Condensers



9" Leads, 256" Long, 14" to 134" Diam.

improved fibre casing, having metal ferrules which seal the ends of the condenser. Non-Inductive,

	_		
Stock Number	Cab. Mfd.	Volts	You Price
3E5500 3E5501 3E5502 3E5503 3E5504 3E5505	.0001 .0002 5 .000 5 .001 .002 .004	600 600 600 600 600 600	EACH
3E5506 3E5507 3E5508 3E5509 3E5510 3E5511	.005 .006 .0075 .01 .02	600 600 600 600 400	TEN FOR \$1.10
3E5512 3E5513 3E5515 3F5520	.1 .25 .25	400 600 400 600	150 170 200 220
3E5517 3F5521 3E5518 3E5519	.5 .5 1.	400 600 200 400	23 30 30 37



	Stock Numer	Cap.	Working Volts	Your
9	3E 5530	.0101	400	20¢
	3E5522 3E5526 3E5523	.0505	400 400 400	25¢ 27¢ 42¢

Master By-Pass



Easily wired in circuit. 2-inch curely anchored tinned wire lea Covered with a tough durable "rubb wat" insulation, Molsture prof. 17 to 2½" Long. %" to 1½" Dian. 2-inch sewire leads. ble "rubber-proof. 14"

Stock	Capacity	Working	Your
Number	Nifd.	Voltage	Price
3D5000 3D5001 3D5002 3D5003 3D5004	.001 .002 .004 .006 .006	400 400 400 400 600	12c EACH
3D 5005 3D 5006 3D 5007 3D 5008 3D 5009 3D 5010	.01 .01 .02 .02 .05	400 600 400 600 400 600	14c 14c 14c 17c 17c 17c
3D5011	1/10	200	15c
3D5012	1/10	300	19c
3D5013	1/10	400	20c
3D5014	1/10	600	30c
3D5015	1/4	200	19¢
3D5016	3/4	400	27¢
3D5017	1/5	200	24c
3D5018	1/5	300	30c
3D5019	1/5	400	30c
3D5020	1/5	200	31c

High Voltage Condensers



Pure linen paper and aluminum foil type conden-sers. Oil sa-turated. Wax imturated. Wax impregnated. Housed in aluminum finished metal containers. Double porcelain insulators thoroughly insulators were bolt wine oughly insulate screw bolt con-nections. Made of high quality n e w materials. R.M.A. voltage guaranteed.

ratings. Fully Stock Number Mfd. 3F5293 3F5294 3F5295 \$1.03 1000 1500 2000 1.32 3F5296 3F5297

Adjustable Mica Condensers



For equalizing or balancing variable condenser secin sutions in su-i other critical cir-bakelite base; size

cuits. Insulated

Stock Num.	Min.		List Price	Your Price
3C5635 3C5636 3C5637	5 5 5	25 50 100	60e	160
305638 305639	75 75	250 } 350 }	750	27 c Ea.

Special Value Tubular Condensers Paper and Foil Type

nated. Tubular fibre cases, 1½" wire leads. 2½" Long. ¼" to 1" Diam. Stock |Cap. | Work. | Num. | Mfd. | Voits |

.001 $.002$	600	Ten Ass't, fo
.004	600 600	29c
.02	600}	
.05	600} 600}	10 for 39c
.25 .5	400 400	6¢ 9¢
.25 .5 1.0	600 600 600	8¢ 12¢ 17¢
	.002 .004 .006 .01 .03 .05 .1	.002 600 .004 600 .006 600 .01 600 .02 600 .05 600 .1 600 .5 400 .5 600 .5 600

Moulded Bakelite Condensers

Micamold-Aerovox-Polymet SOLAR-CONCOURSE Tested at 750 Volts D.C.



	Caso S	ze 3/1"	Square.
Stock N Pigtail	umber Lug	Cap.	Your Price
3F5548 3F5549 3F5550	3 F 5537	.00004	EACH
3F5551	3 F 5 5 4 C	H OOOT	0-

3F5549 3F5537		EACH
3F5550 3F5538		LACII
3F5551 3F5540		8c
3F5552 3F5541		OC.
3F5553 3F5542	.0002	į
3F5554 3F5543	.00025	D=D DOT
3F5555 3F5544		PER DOZ
3F5556 3F5546		0
3F5557 3F5545		85c
3F5558 3F5547		
3F5559 3F5565	.001	

F5561 F5562 F5563	3 F5566 3 F5567 3 F5568 3 F5569 3 F5570	.002 5 .003	EACH 12 PER DOZ. \$1.30
_	_		unting

Midget



Case size 11, " long 1,3" wide. Insulated mounting hole se 114". centers in case

Stock	Cap.	List	Your
Number	Mfd.	Price	Price
3F5575 3F5576 3F5577 3F5578 3F5579 3F5580	.0001 .00025 .00035 .0005 .00075	30 c 30 c 30 c 30 c 30 c 35 c 35 c	EACH 8C Per Doz. 85c
3F5581	.0015	35¢	12c
3F5582	.002	40¢	12c
3F5583	.0025	45¢	12c
3F5584 3F5585 3F5586 3F5587 3F5589	.003 .004 .005 .006	50¢ 50¢ 50¢ 60¢ 70¢	13c 14c 15c 19e 33c

Standard Type	
	Size 1 ½" long. 1 ½" wide. Lug centers 1 ¾".
All the second s	

Stock Number	Cap.	List Price	You Pric
3C5597 3C5598 * 3C5599	.01 .015 .02	1.00 1.10 1.25	35¢ 45¢ 54¢
*Note—C	case size	17/6' square	

Bargain Mica Condenser Kit

25 Units-Assorted Sizes Consists of 25 assorted types and values of mica condensers from .000025 to .002 Mfd. Many popular capacities included in this kit. This is an out-

included in this kit. This is standing value.

3F5600—YOUR PRICE
Per Kit (25 Units) ::::::... 62¢

R.M.A. Standard Mica Condenser Color Code

Capacity of Mica Condensers is fig-ured in terms of Micro-Microfarads, The first dot appearing on the con-denser represents the first figure of the capacity; the second dot represents the second figure and the third dot represents the number of ciphers fol-lowing the first two figures.

Color	The Figure	Code Color	Figur
Black	0	Green	5
Brown	1	Blue	6
Red	2	Violet	6 7
Orange	3	Gray	8
Yellow	4	White	9

Exa	mples 1	llustra ndard		the
Deci- mals.	MMFDS	lst.	2nd. Dot	3rd. Dot
.0001 .00025 .0005 .001	100 250 500 1000	Red	Green Black	Brown Brown Brown Red



Sangamo Mica Condensers

Molded in smooth brown bakelite. Extremely fine limits of accuracy. Will retain their capacity under all conditions. Absolutely water and damp proof. 1000 v. D.C. Test

Stock Number	Cap. Mfd.	Price	Price
3F5605 3F5607 3F5609 3F5610 3F5612	.00005 .0001 .0002 .00025 .0005	\$0.40 .40 .40 .40 .40	Ea. 24c
3F5613	.001	.50	29¢
3F5614	.0015	.50	29¢
3F5615	.002	.50	29¢
3F5617	.003	.60	350
3F5618	.004	.60	350
3F5619	.005	.70	416
3F5620	.006	.85	500
3F5621	.008	1.00	59¢
3F5622	.01	1.15	68c
3F5623	.015	1.25	73c
3J5604	.02	1.85	1.09
3J5606	.025	2.30	1.35
3J5608	.05	3.85	2.26

	ondensei			
For	mounting	grid	leak	Resistors
arross	Sangamo	Conde	nsers.	64
3E5	Sangamo 629—PE	R PAI	R	OF

Sangamo Pigtail Type Moulded Mica Condensers square. 11/4" wire leads. 600

Stock Number	Cap. Mfd.	List Price	Your Price			
3F5624 3F5625	.00005	15¢	9¢			
3F5626 3F5627	.00025	20 c	12c			
3 E E C 10	OOL	0.5 -	1 100			



	gh,	78	in.	deep			
3 C 5 4 Y O U R	19 P	RIC	E,	EAC	н	1	19¢
Lots	o (10				\$	1.70

Small Ribbed Aluminum Container

8 Mfd. Dry Electrolytic Condenser

450 D.C. Working Volts 600 Volt D.C. Peak

Corrugated surface provides a greater heat dissipating area for cooler operation and higher efficiency. A small container and higher working voltage are possible with this unique design. For single 3.7 mounting. Container negative. 3.7 migh, 1% diam.

315395—List, \$1.10, YOUR PRICE Ten for \$5.00 55¢

Popular Replacement **Dry Electrolytics** For A.C., D.C. Receivers



Ten for \$7,60

5396-List, \$2.00.

YOUR PRICE

Continental—Igrad **High Voltage Paper Condensers** To Replace Electrolytic Units

High quality paper condensers that exactly duplicate the size and appearance of electrolytic condensers.

Many servicemen actually prefer a paper diolectric bypass or filter condenser. Although the actual paper condenser capacity is 60% of the

Inverted Stud Mounting

Aluminum Container

Aluminum Container
To replace electrolytics. Identical in size and appearance to standard electrolytics in the aluminum can. Neutral container 6" leng insulated leads. All single units have 1 Pos., and 1 Nog., lead. Dual units have 2 Pos., and 2 Nog., leads Non-inductive. If grounded container is destred the negative lead may be connected directly to the chassis. Excellent for replacement purposes and for new sets.

Single and Dual Sections Cardboard Containers

For replacing defective electrolytics of the values specified below. Cardboard containers are identical in size and appearance to electrolytic units. 6" long heavy units. 6" I ong heavy insulated leads. All single units have 1 Pos. and 1 Nez., lead. Du al con-densers have 2 Pos., and 2 Neg., lead s. Non-inductive.

600 D.C. Peak Volts 475 D.C. Working Volts

3F7785	2	4 1 8 X 1 3 8 X 1 1 16	38¢
3F7786	4	4 1 8 X 1 3 8 X 1 3 14	44¢
3F7787	8	4 1 8 X 1 3 8 X 1 1 8	56¢
3 F 7 7 8 8	4-4	4 1 8 X 1 3 8 X 1 1 2	73c
3 F 7 7 8 9	4-8	4 1 8 X 1 3 8 X 1 3 4	85c
3 F 7 7 9 0	8-8	4 1 8 X 1 3 8 X 2 1 8	94e

1000 D.C. Peak Volts 600 D.C. Working Volts

Stock	Cap.	L. W. D.	Your
Number	Mfd.		Price
3F8903	2	4 ½ X 1 ¾ X 1 ¼ A 1 ¼ 4 ½ X 1 ¾ X 1 ¾ X 1 ¼ A 1 ¼ A 1 ¼ X 1 ¾ X 1 ¼ A 1	\$0.50
3F8904	4		.59
3F8906	8		.79
3F8907	4-4	4 L x 1 3 x X 1 L 2	1.29
3F8908	8-8	4 L x 1 3 x X 2 L 8	

600 D.C. Peak Volts 475 D.C. Working Volts

1 3 x 4 3 g

1000 D.C. Peak Volts 600 D.C. Working Volts

Stork	Cap.	Size	Your
Number	Mfd.	Diam. H.	Price
3F8912	4	136 x 436	\$0.73
3F8913	8	138 x 436	.88
3F8914	8-8	1 12 x 436	1.40

Universal Upright Replacements Aluminum Cases

For replacing wet or dry Electrolytics. Round aluminum cans. Same size and appearance as standard electro electrolyĺ٩ ties. Container is common negative for all sections. Fits standard ring Mtg. clamps. Hex. nut terminals Non-inductive.



600 D.C. Peak Volts 475 D.C. Working Volts

8F7795 8-8	2 1 2 X 4 3 g	\$1.18
8F7796 5-15	2 1 2 X 4 3 g	1.76
8F7798 8-8-8	3 X 4 3 g	1.91

1000 D.C. Peak Volts 600 D.C. Working Volts

Stock Num.	Cap.	Diam. II.	Your Price
3F8923	8-8	2 1 2 X 4 3 4	51.41
3F8924	5-15	2 1 2 X 4 3 8	2.29
3F8926	8-8-8	3 X 4 3 5	2.44

Cardboard Cased

Condensers Consists of a wax sealed paper di-electric condensar section house i in



tion and damage when not used with mounting straps. Chipping and resultant short circuits are eliminated. Six inch insulated leads. Standard R.M.A. guarantee. Stock Cap. Dimensions In. Your

. Cumber	2411(1,		٠٠.	L).	L LICE
200	D. C.	Work	ing	Volt	age
3F5300					.19
3F5301		3 x	115,61	1/6	.29
400	D. C.	Work	ine	V olt	age
3F5313	.25				
3F5302		3 x	1 5€ x	9%	.19
3F5303	1.0	3 x	115 67	1%	.29
3F5304	2.0		27 /6 X		.54
600	D. C.	Work	ing	Volt	aee
3F5314	.1	21, x	1^3 $_3$ $_3$	56	- 22
3F5315	.25	21, x	18 X	56	.27
3F5305	-5	3 x	115 6X	7.4	.32
3F5306	1.0	3 x	27 14X	5.4	.46
3F5307	2.0		2 14 x		.73
3F5316	-1		28134		1 47

800 D. C. Working Voltage 3F5398 .5 3 x27 xx154 .3 3F5309 I.0 4 2 x 2 4 x 1 4 .5 1000 D. C. Working Voltage 3F5317 3F5310 3F5311 3F5312 4 x3 x44 4 4 x2 4 x1 4 4 4 x2 4 x2 4

Uncased Replacement Condenser Sections



Wax-sealed, paper dielectric, Guaranteed for one full year—free replacement when used under proper conditions. Scientifically designed, carefully built. Safety factor in excess of that required to withstand both R. M. A. and N. E. M. A. retest requirements. Pure linen paper dielectric. dlelectric

"HANG-UP" TYPE Compound Coated with 8 inch leads of tinned "push back" wire:

300 D. C. Working Voltage
Capacity Price
Mid. Size In. Each Capacity Stock No. Mtd. 3C5250 1/2 3C5251 1 23, x ½ x ¼ 23, x 3, x 3, 23, x 1x ½ 305251 305252

500 D.	C. We	rking Volt	age
	Capacity		Price
Stock No.		Size In.	
305253	1/2	2 1/4 x 1/4 x 3/4	19c
3C5254	1	23, x136x34	29 c
305255	5	234 x21/4 x 7/8	54 c
600 D.	C. W	orking Vol	tage

Capacity Price Stock No 3C5256 3C5257 3C5258 Each 28c 36c 50c Size In. 278 x 78 x 1/2 278 x 2x 3/1 Mfd. 2 1/4 x 2 1/4 x 1/8 1000 D. C. Working Voltage

Capacity Stock No. 3C5261 3C5262 Size In. Mfd. 4x2x1 16 4x2 14 x1 14 1 2 1.22

80¢

New Improved **Individual Handy Units**



Type E.C. Small enough to be taped in pairs and occupy less space than original double units.

Continuous Working Voltage-475 V Maximum Surge Voltage-600 Volts Volte

Stock Number	Cap.	Size in Inches	List Price	Your Price
3F8452 3F8453	1 2	27 16 X1 1 8 X 9.66 27 6 X1 1 8 X 9 6	.85 .95	\$0.50
3F8454 3F8456	4 8	27,16 X 1 1 9 X 11 /6 27/6 X 1 1 9 X 1 3 9	1.15	.68

High Capacity, Low Voltage **Cardboard Cased Condensers**



Tubular type, with pigtail leads color-coded. Designed to stand high temperatures. Dry Electrolytic. Sprague type H.C.

Stock No.	Cap.	D. C.	Length &		Your
3 J 8436		Volts	Dia. Inche		Price
3F8457	5 10	25 25	238 L.x 56 I	0. \$0.50 .50	\$0.29
3F 8458		50	216 X116	.65	.38
3F8459		25	214 115,6	.65	.38
3F8460 3F8463		50	236 X116	.80	.47
1m ****	10-10	25	214 x1	.75	.44

In rectangular packages for A.C.-D.C. sets 3F8461 4-4 | 150 | 28 x 1 1/4 x 13/4 | \$0.85 | \$0.50 3F8462 5-5 | 50 | 27 4x 1 1/4 x 9/4 | 7.5 | .44

AC-DC Dry Tubular Electrolytics



Similar in appearance to above Units.
Universally used in present receivers which operate directly from the line without a the line without a step-up power transformer. Will withstand high temperature of a midget A. C-D. C. receiver. Pigathal leads of covered push-back wire. Cut shows Three Tubulars connected with strap.

No.	No.	Mfd.	Volts	Price	Price
3F8470 3F8471 3F8472 3F8473 3F8474 3J8437	ST-22 ST-42 ST-82 ST-122 ST-162 ST-252	2 4 8 12 16 25	200 200 200 200 200 200 200	\$0.60 .65 .80 .95 1.05	\$0.35 .38 .47 .56 .62
3F8476 3F8477	ST-81 ST-121	8	100	.75	:44
3F8488 3F8489 3F8490 3F8439 3F8440	ST-44 ST-48 ST-88 ST-812 ST-816	4-4 4-8 8-8 8-12 8-16	200 200 200 200 200	.90 1.15 1.25 1.40 1.50	.53 .68 .74 .82
			-		_

Sprague Midgets Non-inductive,
Mounting hole
centers 2 inches.
TEST VOLTA



	02 . 02		2000	· OLZ	
Stock Number	Cap.	Your Price	Stock Number	Cap. Mfd.	Your Price
3F7715 3F7716	.0001 .00025	\$0.15	3F7722 3F7723	.006	\$0.15
3F7718 3F7719	.0005	.15	3F7725	.02 .05	.18
3F7720 3F7721	.004	.15	3F7726 3F7727	.06	.21

"Standard" Dry Electrolytics 450 V. Working-525 V. Peak Standard size card-



Standard size card-board case condens-ers, of high qual-ity. Case has mounting flanges with metal rimmed holes which may be clipped off if deholes which ma, clipped off if destred, insulated push-back wire leads, Multiple leads. Multiple units have com-mon negative leads.

Stock Number	Cap. Mfd.	Size Inches	List Price	Your Price
3J8520 3J8521 3J8522	2 4	2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$0.65 .75	\$0.39
3J8523 3J8524 3J8528	6 8 10 12	41 x13 x1 41 x15 x15	.90 .95 1.15	.54 .57 .69
3J8529 3J8530	16 8-8	4 1 x 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.30 1.45 1.50	.78 .85
3J8531 3J8532	8-8-8	41 x X 1 16 X 1 16 41 x X 1 16 X 1 16	1.80	1.08
	Dual	Section-4 Lea	ds	
3J8533 3J8534 3J8535	4-4 4-8 8-8	4 1 x 1 3 x 1 4 1 x 1 9 x 1 6 4 1 x 1 1 4 x 1 6	1.20 1.35 1.50	.72 .81

Dry and Wet Electrolytics (E.C.) In Cylindrical Aluminum Cans



Dry-Mount In Any Position 475 V. Working-600 V. Peak

Number	Mrd.	Hgt., In.	Price	Price
3F7656 3F7657	4 6	1 x31/4 1 x47/4	\$1.25	\$0.73
3F7658 3F7659	,8	1 36 x 47 /n	1.50	.88
3F7660	10 12	1 % x47/6 1 % x47/6	1.80 2.05	1.06
3F7661	16	1 1 x 47 6	2.30	1.35
DRY_	-Multiple	Section Si	ngle (Can
3F7662	8-8	1 136 x 47.6	\$2.40	51.41

3F7664 3F7665 8-8-8 5-15 DRY-Inverted Screw Type |\$1.25 | 1.45 | 1.50 | 2.40 | 2.40 Mtg. S.C. 3F7671 3F7672 3F7673 3F7674 3F7694 1 x3 1 x41/4 13/4 x47/4 13/4 x47/4 4 leads 1.41 40

WET-500 Volt D.C. Peak Type W.C. 3F8467 3F8469 3F8438 80.95 \$0.56 1 x416 1 4 x416

Metal Cased By-Pass Condensers 400 Volt Working 600 Volt Peak



No.	Cap.	Dimensions in Inches	Mtg.	List Price	Your Price
3F7686	0.1	1 * g X 15 ns X 13 ns	214	\$0.50	\$0.29
3F7687 3F7688	0.25 0.5	1 3/4 x 15/4 x 13/4 2 x 3/2 x 13/4	216	.60	.35
3F7689	1.0	2 x13 x1	234	1.00	.59
3F7690 3F7691	.11	1 3/2 x 15/4 x 13/4 2 x 3/2 x 13/4	216	.65	.38
3F7692	.55	2 x13 x1	2 14	1.00	.59
3F7693 3J8536	.111 .111	2 x 3 x13 6 2 x1 x136	2 1/8 2 3/8	1.10	.50

SPRAGUE

OF THE STR DOM: TO

Dry Electrolytics

450 V. Working 525 V. Peak

Cased in round aluminum containers. Can be mounted in any position. Stud mounting condensers are units ally small, adaptable for compact receivers.

Stud Mounting

Stock Number	Cap. Mfd.	Size Inches	List Price	Your Price
3J8537 3J8538 3J8539 3J8540 3J8541 3J8541	4 8 12 16 4-4* 8-8*	3 x1 4 ½ x1 3 4 4 ½ x1 3 4 4 ½ x1 3 4 4 ¼ x1 3 4 4 ¼ x2 ¼	\$0.85 1.05 1.40 1.55 1.30 1.60	\$0.51 .63 .84 .93 .78
	Upri	ght Container	s	

.90	*Supplied	with 4 Ins	ulated wire	leads.	
.72	3J8546 3J8547	8-8-8 9-9-18	4 14 x3 4 14 x3 4 14 x3	2.35 2.70 3.75	1.41 1.62 2.25
1.08	3J8543 3J8544 3J8545	5-15 8-8 8-16	4 14 x2 14 4 14 x2 14	2.30 1.80	1.38 1.08

Dry D. C. Cardboard Cased Condensers



With special mount-ing flanges and tin-ned push-back insulated leads. All dual condensers have a common neghave a common neg-ative with the ex-ception of the 4 lead units, which have two negative and two positive leads.

Continuous Working Voltage-475 Volts Maximum Surge Voltage-600 Volts.

П	Stock Number	Cap.	Size in Inches	List Price	Your Price
П	3F7675	2	2 34 x11/6 x11/6	\$0.95	\$0.56
ш	3F7676	4	418x136x 34	1.15	.68
Н	3F7677	6 8	436x136x1	1.30	.76
и	3F7678		4 16 x 1 36 x 1	1.35	.79
П	3F7679	2-4	4 1/8 x 1 3/8 x 1	1.65	.97
П	3F7680	4-4	4 1 x 1 1 x X 1	1.80	1.06
П	3F7681	4-6	4 8 x 1 6 x 15 /6	1.95	1.15
ш	3F7682	4-8	4 16 x 10 6x 15 6	2.00	1.18
П	3F7683	6 6	4 1/4 x 19 6 x 15 6	2.15	1.26
п	3F7684	6-8	436x19/6x15/6	2.20	1.29
П	3F7685	8-8	4 16 x 19 6 x 15 6	2.20	1.29
٠,	3F7653	8-8	4 leads	2.20	1.29
1	3F7654	4-4	4 leads	1.80	1.06

SPECIAL REPLACEMENTS

Housed in aluminized cardboard casings.

Stock	Mfg.	Cap.	D. C.	Size		Your
No.	No.	Mfd.	Volts	Inches		Price
3F8481 3F8482 3F8483 3F8484 3F8485	RM-44* RM-55* CM-55 DM-44 CM-68 KM-888	5-5 5-5 4-4 6-8	140 35 25-200 450-150 300-25	2 1 x 1 2 x 1 2 3 ½ x 1 D. 2 1 x 1 D. 2 1 x 1 2 x 1 2 3 1 x 1 1 x 1 2 2 1 x 1 1 x 1 3 1 x 1 1 x 1 3 1 x 1 1 x 1 1 1 2 2 x 1 2 x 1	1.05	.63 .51 .62 .87 .65

*These numbers are in tubular containers.

Small Tubular Cartridge By-Pass

Non-Inductive Working age. Test 600 Voltage.

Voltage 1200.
Sprague's small tubular condensers are the most compact 600 volt condensers on market. Made the

market. Made for use in spaces no other condenser of equal capacity and rating will fit. Impregnated moisture proof tube with ferruled caps and secured pigtail leads.

Stock Number	Cap.		gth &	List Price	Your
3F7695 3F7696 3F7697 3F7698 3F7699 3F7700	.0001 .00025 .0004 .0005 .001		.x36 D. x36 x36 x36 x36 x36 x36	\$0.25 .25 .25 .25 .25 .25 .25	Each
3F7701 3F7702 3F7703 3F7704 3F7705	.003 .004 .005 .006 01	1 1 18/m 1 5 8 11/m	X 3/6 X 3/6 X 3/6 X 7/10 X 7/16	.25 .25 .25 .25 .25	15c
3F7706 3F7712 3F7713 3F7707	.02 .03 .04 .05	11/4 11/4 11/4	X ⁷ / ₆ X ⁷ / ₆ X ⁷ / ₆	.30 .30 .30 .30	Each 18C
3F7708 3F7709 3F7710 3F7711 3J7714	.06 .1 .25 .5 1.0	15/6 13/6 13/4 13/4 2	x ⁷ , 4 x ⁹ 4 x ³ / ₄ x ³ / ₈ x1	.35 .35 .45 .60 1.00	.21 .21 .27 .36

"TINY MIKE" Dry Electrolytics

450 V. Working-525 V. Peak



Full caracity — Small enough to fit any space. Large enough not to over-heat. Ideal as replacement in modern receivers and for replacing uncased maner condensers. paper condensers that break down from moisture. Heavy cardboard anges with metal

case has removable mounting flanges with metal rlmmed holes. Fully impregnated. Insulated leads,

Stock	Cap.	Size in	laist	Your
Number	Mfds.	Inches	Price	Price
3J8499 3J8500 3J8501 3J8502 3J8503 3J8504	1 2 4 6 8	13/4 x 13/4 x 2 1/4 13/4 x 13/4 x 2 1/4 1 x 1 x 2 1/4 1 1/5 x 1 1/6 x 2 1/4	\$0.55 .65 .75 .90 .95	\$0.33 .39 .45 .54 .57

Dual Units-4 Leads

3 J 7 7 3 1 3 J 7 7 3 2	4-4 8-8	1 1/4 x 1 1/4 x 2 1/8 2 x 1 1/4 x 2 1/4	1.20	.72



Uncased Replacement Condensers

Impregnated Paper Di-electric

Ideal for replacing "blown" condenser block sections in filter circuits. or power units. Conservatively rated.

400 Volt

Stock	Cap.	Dimensions	Your
Num.	Mfd.	Ht. Wd. D.	Price
3F7524 3F7525 3F7526 3F7527	.1 .25 .5	2 x 1/8 x 1/4 2 x1 x 3/8 2 x15/4 x 5/4 2 x1 7/8 x 11/4	50.20 .26 .30 .45

600 Volt						
F7531 F7532 F7533 F7534 F7535	1.25 1.5 2.	2 x1 x 5/6 2 x1 4 x 5/6 2 x1 5/8 x 1/6 3 14 x1 5/8 x 11/6 3 14 x1 5/8 x15/6	\$0.25 .30 .39 .54 .81			
	10	no Vale				

		700 7011	
7542 7544	1.1	2 x13/6x 3/2 43/8 x2 4 x1	\$0.36
	_		_

Cartridge Condensers

High quality Paper Insulation. Paper Insulation. Non-inductive. 14" tinned wire 72 lande



reaus.				
200 1	Volt		400	Volt
Stock	Your	Capy.	Stock	Your
Num.	Price	Mids.	Num.	Price
3E8929	5.09	.001	3E8943	\$.10
3E8930		.002	3E8944	.10
3E8931	.09	.005	3E8945	.10
3E8932	.09	.006	3E7634	.10
3E8933	.09	.01	3E7635	.10
3E8934	.09	.015	3E7636	.10
3E8935	.09	.02	3E7637	.10
3E8936	.09	.03	3E7638	.10
3E8937	.10	.05	3E7639	.11
3E8938	.11	1.1	3E7640	.12
3E8939	.13	.15	3E8946	.15
3E8940	.14	.25	3E7641	.20
3E8941	.21	.5	3E8947	.29
3F8894	.32	1.0	3 F7630	.50
3E8942	.18	.0101	3E8948	.19
3F8895		.0505	3F7631	.24
3F8896		11	3F7632	.27
3F8897		.25- 25	3F7633	.41
600 N	olt		1000	Volt
3E8949	5.10	001	3E8953	5.12

951 952 915 928 950 954	.39 .21 .26	.25 .5 .0101 .0505 .11 .2525	1	
				_

By Pass Condensers Metal Case



Hermetically sealed. Non-inductively wound. Size

	•		472418478 ·			
Conserv	atively	rated.	- 75			
200 V	Volt		400 Volt			
Stock Num.	Your Price	Capy	Stock Num.	Your Price		
3E8989 3E8990 3E8991 3E8992 3E8993	27¢ 33¢ 41¢ 38¢	.05 .1 .25 .5 .11	3E7500 3E7501 3E7502 3E7503 3E7504	26¢ 29¢ 35¢ 44¢ 40¢		
3E8994 3E8995		.2525	3E7506	56¢		
3 F7508	.1	Mid.	. 600 V	. 35¢		



Type 61 Flat type metal case by-pass non-inductive con-densers. Dimen-sions 218"x118" r1" high.

		X1	" high.	
200	Volt		400 \	olt
Stock Num.			Stock Num.	Your Price
3 E 7 6 2 5 3 E 7 6 2 6 3 E 7 6 2 7 3 E 7 6 2 9	59¢	1.0 .55 14-14-14 .1111	3E7511 3E7512 3J7513	59¢ 65¢ 71¢
3F7622	5	N410	600.1	564

AEROVOX Headquarters

Our stocks of Aerovox Condensers are large and complete. We can make prompt shipment of all items.



Dry Electrolytric Condensers 525 Volt D.C. Peak-450 D.C. Working

Dry self healing. Surge proof. May be mounted in any position. The latest and most advanced features in condenser design are incorporated. For all general replacement

Type E-Upright Mounting

Complete with mounting rings. Container Negative.

Number	Each Sec.	Dia. Ht.	Price	Price
3F7547	2	1 * x 1 * 4	\$0.75	\$0.44
3F7548	4	1 * x 2 3 4	.85	.50
3F7550	5-15	2 * 2 x 4 * 5	2.30	1.35
3F7552	8	1 * 8 x 4 3 4	1.05	.61
3F7553	8-8	2 12 X4 18	1.80	1.06
3F7554	8-16	2 15 X4 18	2.75	1.62
3F7556	12	1 38 X4 14	1.60	.94
3F7564	8-8-8	3 x4 k	2.70	1.59
3F7565	8-8-16	3 x4 k	3.20	1.88
3F7566	9-9-18	3 x4 k	3.75	2.20
3F7567	8-8-8-8	3 x4 k	3.60	2.12
3F7568	8-8-16-16	3 x4 k	4.50	2.65
3F7570	9-9-18-18	3 x4 k	5.25	3.09

Inverted Stud Mounting Condensers

Type G-5-Grounded Type I-Insulated Stud Size Your Price Stock Stock Cap. Cap. Size Diam, Ht. Number Dlam. Ht. \$0.62 .85 3J7574 3J7573 3J7576 \$0.61 .94 1.21 13. v41 3J7578 3J7579

1

Cartridge Type PR Dry Electrolytics



Mounted in cardboard tube containers. Especially desirable for hyp as a circuits
Light and compact. 1½" tinned copper leads

Single Section Condensers 25 D.C. Working Volts

Stock Number	Cap. Mfd.	Size Inches Diam. L.	Your Price
3J5118 3J5119 3J5122	5 10 25	% x2 14 % x2 14 % x2 14	29¢ 29¢ 38¢
3J5123	50	orking Vo	56¢
3J5124	5	34 x2 14	29¢
3J5125 3J5127	10 20	14 x2 14	38¢
3J5128 3J5129	25 50	14x2 12	47¢ 71¢
100	D.C. I	Varbina Va	24 -

3J5127 3J5128 3J5129	20 25 50	%x2 % %x2 %	44e 47e 71e
100	D.C.	Working Vo	lts
3J5130 3J5131 3J5134	5 10 25	% x2 % % x2 %	32¢ 41¢ 56¢
200	D.C.	Working Vo	lts
3J5140 3J5142 3J5143	4 8 10	% x2 ¼ % x2 ¼ % x2 ¼	38¢ 47¢ 53¢
450	D.C.	Working Vo	lts
3J5148 3J5149 3J5153	2 4 8	34 x2 14 34 x2 14 144 x2 34	38¢ 44¢ 56¢
Dout	le Sec	tion Conder	SEE

3 Wire Leads—Common

	reguire					
Stock Num.	Cap.	Work Volts	Size In. Dia. L.	Your Price		
3J5150 3J5151 3J5151	5-5	50	% x2 ¼ % x2 ¼ % x2 ¼	44¢ 47¢ 44¢		

Vibrator Condensers

(Tubular Paper Type)



prator between the containers of the containers

Stock	Cap.	Size Inches	Your
Number	Mfd.	D. L.	Price
3J7557 3J7558 3J7559 3J7560 3J7561 3J7562	.007 .01 .02 .03 .04	15 x1 15 15 x1 15 16 x2 16 x2 16 x2 114x2 114x2	\$0.18 .18 .24 .29 .32

Inverted Mounting Electrolytics

With Leads Dry electrolytics in aluminum containers. 6" insulated wire

Single section units have two Double section units have fur leads—one Ncg. and one Pos Double section units are provided with four leads—two Neg. and two Pos. Container is neutral.

525 Volts D.C. Peak 450 Volts D.C. Working

Type GL5Single Sections				
Stock Num.	Can. Mfd.	Size Dia, Ht.	List Price	
3J7536 3J7537		13 8 X 3 1 4 1 3 8 X 4 1 4	\$0.85 1.05	\$0.50
Type GGL5-Dual Sections				
3J7538 3J7539 3J7540		1 3 q X 4 1 4 1 3 q X 5 1 4 1 3 q X 5 1 4		\$0.76 .85 .94

Space-Saver **Dry Electrolytics**



Type PBS2 250 D.C. Peak Volts 200 D.C. Working Volts

_			
Stock Num.	Cap. Mfd.	D. W. L.	Your Price
3J8956 3J8957	4 8	12 X 34 X2 1/6 6(X 13/6 X2 1/6	32¢
3J8958 3J8959	10	1 tex1 x21/6	53¢
378960		11 6 X 1 1 4 X 2 1 16	626
		A	

			302	. 10	020
				Leads	
3J8961 3J8962 3J8966 3J8967	8-8	11.65	: 13%x2	7.6	53¢ 68¢ 73¢ 85¢

Triple Section with 6 Leads 3J8968| 8-8-8 | 1 2 x 12 4x 2 4 | \$1.12

Type PBS5 525 D.C. Peak Volts 450 D.C. Working Volts 1/6 x 3/4 x2 1/6 1/6 x 1 x2 1/6 1/6 x 1 1/4 x 2 1/6 1/6 x 1 1/4 x 2 1/6 1/6 x 1 1/4 x 2 1/6 2 4 6 8 12 3 189691

		. , , , ,	. 14 / 10	
D	ual Se	etion v	vith 4	Leads
3J8979 3J8980 3J8996	4-8	17/6×1	18 x2 1/4 18 x2 1/4	79¢

Dry Electrolytics

Cardboard Containers



Type P5. Double section condensers have a common negative lead. 525 D.C. Peak Volts-450 D.C. Working Volts

Stock Num.	Clap. Mfd.	Size Inches L. W. D.	Your Price
3F7605 3F7606 3F7610 3F7611 3F7616		2 5 8 X 1 3 8 X 3 4 2 5 8 X 1 3 8 X 8 4 4 1 8 X 1 3 8 X 1 1 1 8 4 1 8 X 1 3 8 X 1 1 1 1 8 X 1 3 8 X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	32c 38c 44c 70c 79¢
3F7612 3F7613 3F7614 3F7615 3F7617	6-8 8-8	4 1 8 X 1 3 8 X 10 6 4 1 8 X 1 3 6 X 1 7 8 4 1 8 X 1 3 8 X 13 16 4 1 8 X 1 3 6 X 1 7 6 4 1 8 X 1 2 6 X 1 7 6	53¢ 85¢ 56¢ 88¢ \$1.32

Compact Dry **Electrolytics** Cardboard

Containers Small size condensers for use in compact receivers Double section units have three leads one of which is common negative.



525 D.C. Peak Volts 450 D.C. Working Volts.

Stock	Cap.	Size Inches	Your
Num.	Mfd.	L. W. D.	Price
3F7491	1	214 X116 X 56	32¢
3F7492	2	214 X118 X 58	38¢
3F7493	4	214 X118 X 58	44¢
3F7494	6	214 X118 X116	53¢
3F7495	8	214 X118 X116	56¢
3F7496	4-4	25 8 X1 2 X1 14	71¢
3F7497	4-8	25 8 X1 2 X1 14	79¢
3F7498	8-8	31 8 X1 12 X1 146	88¢

Double Section with 4 Leads

3F7499 3F7505 3F7509	4-8	41, X12, 111, 111, 111, 111, 111, 111, 11	71¢ 79¢ 89¢

Low Voltage Electrolytics

For Midget Receivers With Wire Leads and Mounting Flanges

Light and compact for midget receivers. Double section units have a common negative lead and two posi-tive leads. Sturdily con-structed and provided with two mounting flanges.



25 D.C. Working Volts

Stock	Cap.	Size Inches	Your
Num.	Mfd.	L. W. D.	Price
3F7514	10	23 x 1 1 6 x 1 1 6	29¢
3F7515		23 x 1 1 6 x 1 1 6	29¢
3F7516		2 8 x 1 1 6 x 1 1 6	38¢

50 D.C. Working Volts

200 D.C. Working Volts

3 J 8 9 8 4 8 2 3 5 X 1 16 X 1 14 1 3 J 7 5 1 9 1 6 2 3 6 X 1 3 6 X 1 1 4

Electrolytic Condensers



525 D.C. Peak Volts—4 D.C. Working Volts

Designed for use as replacements in modern compact receivers. Have exactly the same characteristics as the standard size units in large cams. Supplied with lug terminals. All condensers are for grounded (negative) mounting. for gro mounting.

Туре	EM-	Upright	t Mounting		
Stock Num.	Cap. Mrd.	Size Dia. Ht.	List Price	Your Price	
3F5100 3F5101 3F5102	4.	1x2 1/8 1x2 5/6 1x4 8/4	\$0.75 .85	50.44 .50	

Type GM-Inverted Stud Mounting

3F5103	2	1x2 %	\$0.75	
3F5104	4	1x2 %	.85	
3F5105	8	1x4 %	1.05	

PAPER CONDENSERS MA

YAXLEY-MALLORY PRODUCTS

Oil Filled **Tubular Condensers**



Paper Dielectric

Will withstand severe service. For use with vibrators Willisevere service. For use with vibrators or any high voltage elecuit. Non-inductively wound.

and oil filled. Securely sealed.

2000 Working Volts

Stock	Code	Cap.	Bize	List	Your
Num.	Num.	Mfd.		Price	Price
3J5055 3J5056 3J5057 3J5058 3J5059	OT459 OT460 OT461	.0025 .005 .0075 .01	1 % x % x	}55¢	32c
3J5060 3J5061		.015	2 1/6 x 5/6 2 1/4 x 3/4	}60¢	}35c
3J5062	OT466	.03	2 14 x 34	65¢	38¢
3J5063		.04	2 36 x 34	70¢	41¢
3J5064		.05	2 36 x 34	75¢	44¢

Auto Generator Suppressor Condensers



Will withstand high temperatures and unusual vibration. Paper dielectric. Round metal containers with insulated leads. Type AM has insulated ease with two flexible leads; Type AG has common can with flange mounting.

200 D.C. Working Volts

Stock	Code	Cap.	Size	List	Your
Num.	Num.	Mfd.	Inches	Price	Price
3,15066	AG451 AG452 AM454		21/4x84 21/4x11/4 21/4x3/4	50¢ 75¢ 45¢	29¢ 44¢ 27¢

Auto Vibrator Condensers Paper Dielectric



Constructed to endure severe service. Withstands Constructed to endure severe service. Withstands extreme temperature conditions, excessive vibration, and unusually high and continuous peak voltage. Oil impregnated and oil filled. Complicated process of construction permanently excludes moisture and prohibits any tendency of oil leakage.

1600 Working Volts

Stock	Code	Cap.	Size	Fig.	Your
Num.	Num.	Mfd.	Inches		Price
3J5069 3J5070 3J5071 3J5072 3J5073 3J5074	VB470 VB471 VB472 VB473 VB474 VB475 VB476 VB477	.0075 .01 .0125 .015 .02 .03 .04	3x 7/8 x 5/8"	1 1 2 1 2 1 3	26¢ 26¢ 35¢ 35¢ 41¢ 44¢ 56¢

3J5076—Code VL478. Capacity .01 Mfd., 2000 Wkg. Volts. Fig. 4. List Price, 95c. YOUR PRICE

3J5077-Code VL479. Capacity 5 Mfd., 200 Wkg. Volts. Fig. 4. List Price, 65c.

3J5078—Code V0480. Capacity .5 Mfd., 120 Wkg. Volts. Fig. 5. List Price, 45c. 26¢

Tubular Bypass Condensers

Paper Dielectric

Safely rated. Noninductively wound. inductively wound.
Low impedance
contact between
unit and leads.
Durable cardboard
container. Metal
end discs insure
good contact and good contact and eliminate possibil-



entimizet possibil-ity of open circuits. Thoroughly impregnated under high vacuum, oil treated, and completely filled with special high temperature moisture-resisting compound.

600 D.C. Working Volts

Stock	Code	Cap.	Size	Your
Num.	Num.	Mfd.	Inches	Price
3J5079 3J5080 3J5081 3J5082 3J5083 3J5084 3J5085 3J5086 3J5087	TP401 TP402 TP403 TP404 TP405 TP408 TP409 TP410 TP412	.0001 .00025 .0005 .001 .002 .005 .006 .01	1 1/6 x 1/2 1 1/6 x 1/2 1 1/6 x 1/2 1 1/6 x 1/2 1 1/6 x 1/6 1 1/6 x 1/6	9c
3J5088	TP415	.05	1 76 x 56	12c
3J5089	TP416	.06	1 76 x 56	
3J5090	TP418	.1	2 1 8 X 13/16	15¢
3J5091	TP420	.25	2 5/16 X 1/8	21¢
3J5092	TP432	.5	2 5/16 X 1/8	29¢
	400 D.	C. Wor	king Volt.	s

	400 D.	C. Wo	rking Volts	
3J5093	TP421	.01	1 1/6 X 1/2	9c
3J5094	TP423	.02	1 1/6 X 1/2	
3J5095	TP426	.05	1 1/6 X 1/2	
3J5096	TP428	.1	194x54	12¢
3J5097	TP430	.25	21, x134	15¢
3J5098	TP431	.5	234x1	21¢
	200 D.	C. Woi	rking Volts	

	200 D.	C. 11 0	TRING VOILS	
3J5045 3J5046	TP436 TP438	.05	1 3/6 X 9/6 1 5/5 X 1/5	9c
3J5047 3J5048 3J5049	TP440 TP441 TP443	.25 .5 .1	158 x 34 2x 13/6 23/8 x 1 1/8	15¢ 21¢ 29¢

Walnut Knobs

Finest Quality. Rich Looking
Turned out of solid end cut genuine Welnut. All
one plece. Finely finished. Solid brass, bushing
with set screw. Fit all ¼ inch shaft controls, including those with fiattened side for push-on spring
type knobs. Dimensions given are diameters.
Heights all about ¾ inch.

Futuristic















306830

Plain











306834 306839 306838 306836

La Rose









3C6847 3C6846 306843 Ten for 76c Per Hundred \$7.26 EACH 9¢ (May be assorted)

Insulated Flexible Coupling

An insulated flexible coupling device for ganging condensers. Shpg. wt.,

YOUR PRICE 21¢



Bakelite Knobs







3E6827—
Ten for 55c
Per Hundred
\$5.25
beautiful two-ton

Finished in Will Finished in beautiful two-tone ten for 34c walnut. Will harmonize well Polished black with wooden panels. 4" shaft bakelite. White hole. Set screw.

3E6829 Each 4¢

Newest Bakelite Knobs







Newest patterns. Cleanly moulded of best quality genuine bakelite. All for 1/4" shafts.

3D6855 Style A 1" across. 12" high. Walnut n. 3856 Style B 1%" diameter, %" high. Midget Sets. Polished black finish. 3857 Style C 1" across. %" high. Polished 3D6856

For Midget cou.

306857 Style C 1" across. 78

306858 Style D with Pointer. 1\%" across including pointer. \%" high. For smallest midgets.

Fine Walnut finish.

Ten for45c

Equalizer

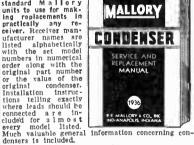


3C7267—EC-80—20 to 100 mmfds. List, 60c. YOUR PRICE.....

Mallory Condenser Service Replacement

Manual

Specifies exactly what standard Mallory units to use for mak-ing replacements in practically any repractically any re-ceiver. Receiver man-ufacturer names are listed alphabetically listed alphabetically with the set model order along with the original part number or the value of the original condenser. Installation instructions telling exactly where leads should be connected a re in-



3J5099-With order for Mallory PRICE FREE!

"Imp" Miniature Size R. F. Coils



1 7/16" Square 134" High

Unusually small aluminum shielded coils with spade bolt mounting. Designed for superheterodyna and tuned radio frequency receivers and is being supplied at the present time for AC and DC receivers. Entirely new four bank "Litz" winding is used. Although these coils are extremely small there is no sacrifice of efficiency and they compare favorably with all coils regardless of size. At 800 K.C. the Interstage coil when measured in a single stage gain test with a type 58 tube proved a gain of 110 times input and at 1500 K.C. a gain of 65. 540 to 1700 K.C. with .000365 condensers. Stock Number VOUR PRICE 3D8600—One R.F. coil, One Ant. coil \$0.95 3D8602—Three "One" 1.35

ELECTROLYTIC YAXLEY-MALLORY PRODUCTS

Midget Dry Electrolytics **Cardboard Containers**



Extremely s m a l l. Ideal for replacements. Internal metal seal effectively protects analyst changes in characteristics due to warying humidity and the high temperatures often encountered in for replace-ts. Internal

midget and auto receivers. Metal mounting flanges are provided on all units except smallest size. Flanses may be pushed under various parts on chassis, bent out of way when necessary, or soldered to the chassis. 8" stranded push back insulated with leading to the chassis. wire leads.

Single Sections

250 D	.C. Wkg	. V	-300 D.C.	Peak	Volts
Stock Num.	Code Num.	Can. Mfd.		List Price	Your Price
3J5800 3J5801 3J5802 3J5803 3J5804		4 8 10 12 16	27 6X3 4X12 27 6X3 4X 58 27 6X 1X 5 8 27 6X 1X 5 8 27 6X 1X 5 8 27 6X 1X 14	\$0.65 .80 .95 1.00	47e 56e 59e
450	Wkg. Vo	olts—	525 D.C. I	Peak V	olts
3J5805 3J5806 3J5807	CS131	2 4 6	2 16 X 7 8 X 5 8 2 16 X 7 8 X 5 8	.65 .75 .90	44c

Dual and Triple Sections Common Negative Terminal 250 D.C. Wkg. V.-300 D.C. Peak Volts

3J5811 3J5812 3J5813 3J5814	CN141 CN142	4-4 4-8 8-8 8-8-8	3x1 x58 3x1 x58 3x1 4x34 3x1 4x74	\$0.90 53c 1.15 67c 1.30 76c 1.95 \$1.15
450 D.	C. Wh	g. V	-525 D.C.	Peak Volts
	CN151 CN152		3x1 14x 74 3x1 14x 74 3x1 14x 74 3x1 14x1 1	1.20 71¢ 1.35 79¢ 1.50 88¢ 2.20 \$1.29

Dual and Triple Sections Dual 4 leads, Triples 6 leads

250 D.C.	Wkg. V	.—300 D.C	. Peak	Volts
3J5819 CM 3J5825 CM 3J5826 CM 3J5827 CM	1160 4-4 1161 4-8 1162 8-8 1165 8-8-	3x1 1 x 34 3x1 1 x 34 3x1 1 x 76 3x1 x 76	\$0.90 1.15 1.30 1.95	53¢ 67¢ 76¢ \$1.15
450 D.C.	Wkg. V	525 D.C	. Peak	Volts

450	D.C.	Wks	ς. V.~	-525	D.C.	Peak	Volts
3J582 3J582 3J853 3J583	28 CN 29 CN 30 CN 31 CN	1170 1171 1172 1175	4-8 8-8 8-8-8	3x1 4 3x1 4 3x1 x1 3x1 34	X 34 X 78 X1 12	1.35 1.50	
_							

Standard Dry Electrolytic **Cardboard Containers**



Original large stze condensers for use on early model receivers. Encased in rec-tangular fibre

box with 6" long insulated leads.

450 D.C. Wkg. V .- 525 D.C. Peak Volts Single Sections

Stock Num.	Code Num.	Cap.		List Price	Your Price
3J5832 3J5833	14450 18450	4 8	4 1 x 1 3 x X 11 /6	\$0.75	
33333(al Sectio		56

3J5834 148450 | 4-8 | 4 | 1 | 2 | 1 | 1 | 35 | 79¢ | 3J5835 188450 | 8-8 | 4 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 5 | 88¢

Dry Electrolytic Round Can By-Pass Units



10-10 mfd.—50 D.C. Wkg. Volts 75 D.C. Peak Volts Aluminum container is common negative to both sections. Size, 18, "x1" diameter.

3J5836-Code BN225.
Plain Alum. Can.
List Price, 95c.

YOUR PRICE 56¢ 3J5837—Code
With 4" stud an
for mounting.
List Price, \$1.00. -Code BN226. stud and bracket YOUR PRICE 59¢

Dry Electrolytic **Round Can Filter Units**



Modern in construction. Reduced size. Special hardware listed on this page enables these condensers to be mounted in any of five popular types of mounting. 8" stranded push-back insulated and color coded wire leads. Aluminum can containers, supplied with locknut and flat washer. Use type RM when common positive unit is desired by connecting positive leads together.

Single Section

	_				
250 D	.C. Wkg	r. V.—	-300 D.C.	Peak	Volts
Stock Num.	Code Num.	Cap. Mfd.	Size Length Dia.	List Price	Your Price
3J5854 3J5855 3J5856	RS201 RS203 RS205	4 8 12	234 X1 234 X1 234 X1	\$0.75 .95 1.10	56¢
450 D	.C. Wkg	. V	-525 D.C.	Peak	Volts
3J5857 3J5858 3J5859	RS211 RS213 RS215	8 12	234 x1 234 x1 3x1	0.85 1.05 1.40	62¢

Dual and Triple Sections Common Negative Terminal Juals-3 Leads—Triples-4 Leads Duals-3 Leads—Triples-4 Leads
250 D.C. Wkg. V.—300 D.C. Peak Volts

3J5861	RN231 RN232 RN235	8-8	3x1 3x1 3x1 34	\$1.30 76¢ 1.45 85¢ 2.10 \$1.24
450 D.	C. Wks	. V	-525 D.C.	Peak Volts
3 3 5863	RN241	1 4-S	3x1	1 1.451 85¢
3J5864	RN242	8-8	3x128	1.60 94¢
3J5865	RN245	8-8-8	312x136	2 30 \$1.35

Dual and Triple Sections

Dud13-4	Ecous-II	Thics-0	- caus	•
250 D.C. Wk	g. V.—30	0 D.C.	Peak	Volts
3J5866 RM251	1.4-8 1.3	x13%	1 \$1.30	76¢
3J5867 RM252	8-8 3	X1 3 g	1.45	85c
3J5868 RM255	8-5-8 3	12X128	2.10	\$1.24
3J5869 RM257	8-8-16 3	15 X 1 3 e	2.35	1.38
3J5869 RM257 3J5870 RM259	8-16-16 3	15x1 14	2.60	1.53
450 D.C. Wh	g. V.—52	5 D.C.	Peak	Volts
A 10074 111/001		45 4 5		

Wet Electrolytic **Stud Mounting Condensers**

Improved units Container is negative, lug terminal is positive. Use special washer when mounting 1" can in 138" clamp. For vertical mounting.

475 D.C. Working Volts

Stock Num.	Code Num.	Cap.	Size Length Dia.	List Price	Your Price
3J5838 3J5839 3J5840	WE447 WE847 WE1247	4 8 12	31 6 X 1 4 5 5 X 1 4 3 6 X 1 3 4	\$0.80 .95	47c 56c 67c
3J5841	WE1647 WE1847	16	416x136 416x136	1.35	79¢ 88¢



Type A016 Type A-017

Type 015-2 3J5843—Code A016. Terminal Connector. Permits use of condensers with leads wherever lug type condensers were originally used. 296 YOUR PRICE, 10 for

3]5844—Code A-017. For use in replacing a clamp mounted unit with a 1" diameter round can condenser.

3J5845—Code 015-1. For mounting 1" round can units with \%" or \%" necks in \%" holes. (This washer is supplied with all stud mounting condensers.)

3J5846—Code 015-2. For mounting 1" and 1\(^2\bar{b}\)" round can stud mounting condensers in place of spade bolt mounting condensers. 18¢

"Special Universal" **Dry Electrolytics**

Designed to climinate the necessity of keeping on hand exact duplicate replacement condensors for the receivers.

l.lst Price. \$1.30. ... 76¢ YOUR PRICE 3-2-1-1 Mid., 450 Wkg. Volts 3J5875 Code UR181-Round aluminum container. Slze: 2% "x1%". Sugrested replacement in Philos Models 16, 17, 18, 116, 118, 200, 201, 640, 630, 660, 680,

gested replacement 16, 17, 18, 116, 1 650, 660, 680. List Price, \$2.10. YOUR PRICE \$1.24

5-25-10 Mfd., 150 Wkg. Volts 3J5876 Code UR182. Size: 11/2" x 1" x 21/4". Suggested replacement

List Price, \$1.95.

YOUR PRICE

4-4-4 Mfd., 150 Wkg. Volts

3J5877—C of e URL83-Cardboard
Carton. Size: \$3,714 // x27. Suggested replacement in Kadette F Jr.

Size. List Price, \$1.35.

Special High Surge Electrolytic Condensers Litectrolytic Condensers
Rated at 450 continuous working volts
but will withstand any surge present
in receivers with high initial voltages.
4 Mid., 450 Whg. Volts
3J5878-C ode URISS-Cardboard
Carton. Size: 3/"x11/"x3".

List Price, \$1.50.

arton. Siz 88¢ YOUR PRICE

4 Mfd., 450 Wkg. Volts 3J5879- Code UR185-Alum. Can. Size: 3"x1" List Price. \$1.65. YOUR PRICE ..

8 Mtd., 450 Wkg. Volts 15880—Code URISG-Cardhoard ton. Size: 114"x113"x3". t Price, \$2.05. 3J5880—C o d c carton. Size: 114" List Price, \$2.05. \$1.21 YOUR PRICE

8 Mfd., 450 Wkg. Volts 3J5881—Code UR187-Alum. Can. Size: 3½"X1¾". List Price. \$2.15. \$1.27 YOUR PRICE

Tubular Audio Bypass Dry Electrolytic



Designed for bypassing cathode resistors in audio frequency and other low voltage circuits. Wire leads, Cardboard carton. bypassing

Single Section

Num.	Num.	Mrd.	Volts	Inches	Price	Price
315794	TS102 TS105	5	50	1 1 1 X X 1 1 2 4 X 1 1 1 1 X X 1 1 1 1 1 1 1 1 1 1 1 1	50¢ 60¢ 50¢ 65¢	29¢ 35¢ 29¢ 38¢
			_			

Dual Section-Common Neg. Lead 3J5796 TN110 5-5 3J5797 TN111 10-10 3J5798 TN112 5-5 3J5799 TN113 5-5

Dry Electrolytics

In aluminum cans for replacing old style multiple section wet electrolytics. Height 4%".

450 D.C. Whg. Volts
525 D.C. Feak Volts

Stock	Code	Cap.	Your
Num.	Num.	Mfd.	Price
3J5882* 3J5883* 3J5884† 3J5886†	M N 273 M N 275	5-15 8-8-8	\$1.06 1.35 1.59 2.12



Dry Electrolytic Condensers

Guaranteed Quality—Standard Brands—Best Values

Fibre Case

Dry Electrolytics in Round Metal Cases

With Flush Lug-Type Mounting Screws

Round aluminum container with lug type 6/32 studs riveted flush with sides of case. For inverted mounting where studs must clear material beneath chassis. Container insulated. Six inch flexible leads with high voltage insulation. Where grounded container is desired the negative leads should be grounded direct to chassis. Mounting centers are 1½" on the ½" diameter can and 1½" on the ½" diameter can.

450 D.C. Working Volts-500 D.C. Peak Volts

Cap.	Peak	Dimensions	Stock	List	Your	Ten
Mfd.	Volts	Diam. 11t.	Number	Price	Price	For
4	500	1 3/8 × 2 5/6	3F5724	\$0.85	\$0.34	\$3.23
8	500	1 3/8 × 4 3/6	3F5725	1.05	.42	3.99
4-4	500	1 1/2 × 4 1/6	3F5726	1.30	.52	4.94
4-8	500	1 1/2 × 4 1/6	3F5727	1.45	.58	5.51
8-8	500	1 1/2 × 4 1/6	3F5728	1.80	.72	6.84

Dry Electrolytics in Tubular Fibreboard Case

With Flush Lug-Type Mounting Screws

Moisture-proof tough fibre board tubular containers sealed with high melting point compound, with high voltace insulation. Leads thread flexible 6 inch leads thread to the casy soldering. Lug type "ac mounting studs riveted flush with sides of container. Mounting centers are 1½" on the 1½" diameter can and 1¾" on the 1½" diameter can

Metal

Cap.	Peak	Dimensions	Stock	List	Your	Ten
Mfd.	Volts	Diam. IIt.	Number	Price	Price	For
4 8 4-4 4-8 8 8	500 500 500 500 500	1 % 4 X2 % 6 1 % 1 X4 1 % 1 1 12 X4 1 %	3F5750 3F5751 3F5752 3F5753 3F5754	\$0.75 .95 1.20 1.35 1.50	\$0.30 .38 .48 .54 .60	\$2.8\$ 3.61 4.56 5.13 5.70

Low Voltage Dry Electrolytics

Two, Three and Four Sections

16-12 20-10-4 20-12-8 16-5-5	200 200 200 200 200	13 8 X 4 13 8 X 4 13 4 X 4 13 4 X 4	3J5768 3J5777 3J5730 3J5731	\$1.75 1.95 2.25 2.10	\$0.70 .78 .90 .84	\$6.65 7.41 8.55 7.98
{14-8 10-10}	${200 \brace 35}$	1 3 8 X4	3,15849	1.95	.78	7.41
{16-12} 5-5	${200 \brace 35}$	1 3 g x 4	3J5732	2.10	.84	7.98
{16-12} 10-10	{200} 35}	1 3 g X-1	3J5848	2.25	.90	8.55

Note: Two, three and four section condensers have separate negative leads for each individual section.

Low Voltage—High Capacity **Dry Electrolytics In Fibreboard Cases**

Moisture Proof Containers with Mounting Tabs on Each End In New Tab Type Containers with 6" Insulated Leads,

		—I Positive—	-i negativ	re		
Cap.	Peak	Dimensions	Stock	List	Your	Ten
	Volts	L. W. D.	Number	Price	Price	For
50	35	4 1 4 X 1 3 8 X 16 4 1 4 X 1 3 6 X 18 6 4 1 4 X 1 3 6 X 18 6 6	3F5366	\$0.90	\$0.36	\$3.42
100	35		3F5367	1.30	.52	4.94
25	50		3F5368	.75	.30	2.85
25	100	4 4 x 1 3 x 1 1 4	3F5369 3F5371	.95	.38	3.61
50	100	4 16 x 1 36 x 136	3F5372	1.30	.52	4.94
50	150	4 16 x 1 36 x 136	3F5374	1.75	.70	6.65
25	200	4 1/4 x 1 3/4 x 14/4 4 1/4 x 1 3/4 x 1	3 F 5 3 7 6	1.50	.60	5.70

Voltage Doubling Dual Sections Fibreboard Cases-220 Volt D.C. Peak

Especially designed and matched for voltage doubling circuits employing 25%5 or similar type tubes. 4 leads. 2 pos., and 2 neg. leads. Flexible 6 inch insulated wire leads.

2 neg. 10	saus. Flexible	o men m	diated "	ito icada.	
Capacity Sections	Container Size	Stock Number	List Price	Your Price	Ten For
10-10 12-12 16-16	218 X138 X118 218 X138 X114 312 X114 X114	3F5789 3F5790 3F5791 3F5787	\$1.40 1.50 1.80 2.00	\$0.56 .60 .72	\$5.32 5.70 6.84 7.60

"600" Peak Handy Dry Electrolytics

In Compact Fibreboard Containers

Moisture proof rectangular containers. Sturdy wire leads for self-support in mounting, 6" insulated leads out of each end. 600 D.C. Peak Voltage-475 D.C. Working Voltage

Cap.	Dimensions Inches	Stock	List	Your	Ten
Mfd.	Long, Wide, Deep	Number	Price	Price	For
2 4	2½x1½x ¾	3F5851	\$0.95	38¢	\$3.61
	2½x1½x ¾	3F5852	1.15	46¢	4.37

Aluminum Case Inverted Stud Mounting

Case Negative-450 D.C. Working Volts-550 D.C. Volts Peak

Hermetically scaled. Unaffected by temperature. For single %" hole mounting. Anode projects through threaded insulated terminal.

Cap.	Dimensions	Stock	List	Your	Ten
Mfd.	Diam. Ht.	Number	Price	Price	For
4	1 3 x x 2 3 6	3F5706	\$0.85	\$0.34	\$3.23
6	1 3 6 x 4 3 6	3F5707	1.00	.40	3.80
8	1 3 4 x 4 3 6	3F5708	1.05	.42	3.95
12	1 3 4 x 4 3 6	3F5709	1.40	.56	5.37
Dı Two				non Nega	

Cap. Mfd. Total at Anodes Cap. Container Size Inches Stock List Price Number \$1.30 1.80

All-Purpose Dry Electrolytic, Aluminum Case

450 D.C. Working Voltage—550 D.C. Volt Peak—Container and LeadsInsulated Both positive and negative leads are brought out through insulated threaded nipple. If grounded container is required Neg. lead may be soldered to chassis. For single %" hole Mrg. Locknut for clamping to chassis.

Cap.	Dimensions	Stock	List	Your	Ter
Mfd.	Diam. Ht.	Number	Price	Price	Fo
8 12	1 % x 2 % 6 1 % x 4 % 6 1 % x 4 % 6	3F5701 3F5703 3F5704	\$0.85 1.05 1.40	\$0.34 .42 .56	\$3.2 3.9 5.3

Dual Sections-Container Insulated Four insulated leads: two positive, two negative

Cap. Mfd. at Anodes	Total Cap.	Container Size Inches				
4-4 6-6 8-8	8 12 16	1 1 2 X 4 3 g	3F5713 3F5714 3F5715	1.50	.60	5.70

New One-Inch Diameter Aluminum Cases Compact for Small Receivers

450 D.C. Working Voits 550 Voits D.C. Peak
Container Negativo
For use where mounting space is limited. The one-inch
containers will fit most indeet and contact receivers,
container for single 5k hole mounting. Container
Positive lug terminal.

Cap.	Container	Stock	List	Your	Ten
Mfd.	Size Inches	Number	Price	Price	For
2 4 6 8	1 x 2 3 % 1 x 2 3 % 1 x 4 3 % 1 x 4 4 %	3F5716 3F5717 3F5718 3F5719	\$0.75 .85 1.00 1.05	\$0.30 .34 .40	\$2.85 3.23 3.80 3.99

Dry Replacement Electrolytics-Universal Upright Mounting

Top Connected-Complete with Mounting Brackets 450 D.C. Working Volts-500 Volt Peak

These multiple section dry electrolytics are very popular for replacement of wet electrolytics used in earlier model receivers. Each section is a separate condenser and all negative terminals are grounded to the aluminum container. Hermetically sealed against modsture. Unaffected by wide temperature variations. Solder-lug terminals. Complete with mounting bracket.

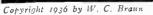
mounting	nta	CKet.									100	The same of the sa
Capacity Section	T	Total Cap.	Co	ntainer Size		Stock Number		List Price		Your Price		Ten For
8	-1-	8	1	3 4 x 4 8 4	-	3F5738	-	\$1.05	- -	\$0.42	-	\$ 3.99
				Dual	S	ections						
8-8 5-15	1	16 20		1/2 x 4 3 4	T	3F5740 3F5742	1	1.75 2.20		.70		6.65 8.36
				Triple	2 5	ections						
8-8-8 9-9-18		24 36	3		T	3F5744 3F5745	T	$\frac{2.60}{3.75}$	1	1.04	T	9.88 14.25
				Quadru	ple	Section	s					
8-8-8-8 6-0-18-18	1	32	3	X438	Γ	3F5746	1	3.60	1	1.44	1	13.68

Multiple Dry Electrolytics-Metal Containers

Rectangular Metal Containers

450 D.C. Working Volts-550 D.C. V., Peak Dual condensers have 2 positive and 2 negative leads. Triple condensers have 3 positive and 3 negative leads

		Dimensions			Your	
Sec.	Cap.	L. W. D.	Number	Price	Price	For
4-4	8	43 x 17 6 x 1 11 18	3F5780	\$1.45	50.58	\$5.51
4-8		4 5 x X1 7 6 X 1 18 16	3F5782		.68	6.46
8-8	16	43 x17 16 x1 15 14	3F5785	1.80	.72	6.84
4-4-1	12	436×176×1116	3F5786	2.15	.86	8.17
8-8-8	24	436x13 x136		2.70	1.08	10.26



Dry Electrolytic Condensers Guaranteed Quality—Best Brands—Standard Values

Dimensions given are close Approximations

Selected Quality Products built by Prominent Manufacturers to Radolek Laboratory Specifications. Fresh New Dry Electrolytic capacity units guaranteed for Full Capacity and Rated Voltage. Each type and size has been selected after careful test to have the lowest power factor, the greatest safety factor, and the longest life under extreme conditions.

Use these condensers exclusively. We believe that they are the very best available regardless of price. The full assortment of sizes and values will exact Duplicate Electrolytic condensers if the condenser required is not included on these pages.



Standard Dry Electrolytics

In New Tab Type Fibreboard Cases

450 D.C. Working Volts-550 D.C. V., Peak
Moisture proof containers with mounting tabs on each and.
1-Positive, 1-Negative, 6" Insulated Leads.

Cap.	Container	Stock	List	Your	For
Mfd.	Overall Inches	Number	Price	Price	
2 4 6 8 12 16	2 \(\) x \(\) 5 \(\) x \\ 5 \(\) x \\ 5 \(\) x \\ 5 \(\) 4 \(\) x \(\) 5 \(\) 4 \(\) x \(\) 5 \(\) x \\ 5 \(\) x \(\) 5 \(\) x \\ 5 \	3F5759 3F5760 3F5761 3F5762 3F5763 3F5764	\$0.65 .75 .85 .95 1.20 1.40	\$0.26 .30 .34 .38 .48	\$2.47 2.85 3.23 2.61 4.56 5.32



Midget Dry Electrolytics

In Fibreboard Containers

450 D.C. Working Volts-550 D.C. V., Peak I Positive, I Negative, 6" Insulated Leads.

Cap.	Container	Stock	List	Your	For
Mrd.	Overall In.	Number	Price		Ten
1 2 4 6 8	2 1 8 X 3 4 X 3 4 2 1 8 X 3 4 X 3 4 2 1 8 X 3 4 X 3 4 2 1 8 X 1 3 6 X 3 2 2 1 8 X 1 3 6 X 1 1 8 2 1 8 X 1 3 6 X 1 1 8 2 1 8 X 1 3 8 X 1 3 8	3F5353 3F5354 3F5355 3F5356 3F5357 3F5358	\$0.45 .50 .65 .75 .85 .95	\$0.18 .20 .26 .30 .34 .38	\$1.71 1.90 2.47 2.85 3.23 3.61

Dual and Triple Dry Electrolytics

In New Tab Type Fibreboard Cases

450 D.C. Working Voits—550 D.C. V., Poak
Dual condensers have 2 Positive and 2 Negative Leads.
Triple condensers have 3 Positive and 3 Negative, 6" Insulated
Leads.

Cap.	Container	Stock	List	Your	Ten
Mfd.	Overall Inches	Number	Price	Price	For
4-4 4-8	41, x15,6x116 41, x15,6x116	3F5765 3F5769	\$1.20	\$0.48	\$4.56 5.32
6-6	418 X15 6 X1 36	3F5767	1.40	.56	5.32
8-8	418 X15 6 X1 16	3F5773		.60	5,70
4-4-4 8-8-8	41 8 X 15 6 X 1 3 4 4 1 8 X 15 6 X 1 3 4	3F5774 3F5775	1.80	.72	6.84



Midget Dual Dry Electrolytics In Fibreboard Containers

450 D.C. Working Voits-550 D.C. V., Peak 2 Positive and 2 Negative, 6" Insulated Leads.

Cap.	Container	Stock	List.	Your	Ten
Mfd.	Overall In.	Number	Price	Price	For
4-4 4-8 6-8 8-8	3x1 6x 156 3x1 6x1 6 3x1 6x1 6 3x1 6x1 12	3F5360 3F5362 3F5364 3F5365	\$1.20 1.40 1.45 1.50	\$0.48 .56 .58	\$4.56 5.32 5.51 5.70

Container Overall Inches



\$1.71 1.89 2.28

\$0.18



Standard Dry Electrolytics

In New Tab Type Fibreboard Cases

450 D.C. Working Volts-550 D.C. V., Peak

Moisture-proof containers.
Installation.

Solder lug Mounting tabs at each end simplify terminals—1 Positive, 1 Negative.

Cap.	Container	Stock	List	Your	Ten
Mfd.	Overall Inches	Number	Price	Price	For
2	21 ₈ x15 6x 5 ₈	3F5755	\$0.65	\$0.26	\$2.47
4	41 ₈ x15 6x 5 ₈	3F5756	.75	.30	2.85
8	41 ₈ x15 6x 74	3F5758	.95	.38	3.61



36

Three and Four Section Dry Electrolytics For A.C.-D.C. Receivers

Compact Dry Electrolytics

Stock

Number

3F5820

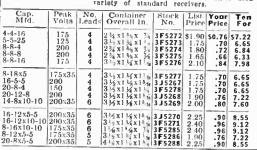
3F5821 3F5822 3F5823 3F5824

Price

\$0.45

.50 .60 .75 .95

in New Tab Type Fibreboard Containers 6" Long Insulated Leads These condensers are identical in every way to the units used in a wide variety of standard receivers.





Note: All 6 lead condensers have two negative leads which are common to each dual section. All 4 and 5 lead condensers have only one negative lead common to all sections.

Compact Dry Electrolytics For Use in A.C.-D.C. Sets

In Tiny Fibreboard Containers with Leads

250 D.C. Working Volts-300 D.C. Peak Volts

Cap. Mfd.	Container Overall In.	Stock Number	List Price	Your Price	Ten For
4 8	2 1/2 X 1 1/8 X 5/8 2 1/2 X 1 1/8 X 3/4	3F5342 3F5343	\$0.65 .85	\$0.26	\$2.47 3.23
12 16	2 16 x 1 18 x 1 16 2 16 x 1 18 x 1 16	3F5344 3F5345	1.05	.42	3.99 4.37
20 25	2 1/2 x 1 1/2 x 1 1/2 1	3F5346 3F5347	1.25	.50	4.75 5.32



150 D.C. Working Volts-175 D.C. Peak Volts

Cap.	Container	Stock	List	Your	Ten
Mfd.	Overall Inches	Number	Price	Price	For
4	2 14 x1 36 x 1/2	3F5348	\$0.50	\$0.20	\$ 1.90
8	2 14 x1 36 x 36	3F5349	.70	.28	2.66
12	2 14 x1 35 x 36	3F5350	.85	.34	3.23
16	2 15 x1 35 x 36	3F5351	.95	.38	3.61

Dual Compact Dry Electrolytics

For Use in A.C.-D.C. Receivers

In Tiny Fibreboard Containers 2 Positive and 2 Negative 6 Inch Insulated Leads.



Fibr	Tiny eboard ainers
2	Pos. Neg. bads

Cap.	Peak	Container	Stock	List	Your	Ten
Mfd.	Volts	Overall In.	Number	Price	Price	For
5-5	35	1 1/4 X 3/4 X 1/2	3F5380	\$0.65	\$0.26	\$2.47
10-10	35	1 1/4 X 3/4 X 5/8	3F5381	.90	.36	3.42
4-20 4-4 8-8 8-16	150 175 175 175	4 1/6 x 1 x 1 2 1/6 x 1 1/6 x 5/6 2 1/6 x 1 1/6 x 3/6 2 1/6 x 1 1/6 x 3/6	3F5384 3F5385 3F5387 3F5389	1.45 1.00 1.25 1.45	.58 .40 .50	5.51 3.80 4.75 5.51
16-16 4-4 8-8 4-12 4-8	200 225 225 225 300	234 x1 12 x1 14 215 x1 34 x 55 215 x1 34 x 75 21 x1 34 x 75 21 x1 3 x 75 21 x1 3 x 75	3F5390 3F5391 3F5392 3F5393 3F5394	1 75 1 05 1 30 1 30 1 30	.70 .42 .52 .52 .52	6.65 3.59 4.54 4.94 4.94



Dry Electrolytics In Tubular Cases Tubular Cardboard Cases-11/2" Solid Tinned Copper Leads
Filtering-Audio Frequency-C

Ten	Your	I,ist	Stock	Container	Peak	Cap.
For	Price	Price	Number	Overall In.	Volts	Mfd.
\$1.52 1.90 1.90 2.09 2.28	\$0.16 .20 .20 .22 .22	\$0.40 .50 .50 .55 .60	3F5325 3F5326 3F5327 3F5328 3F5329	2 ¼ x 1/4 2 ¼ x 1/4 2 ¼ x 5/8 2 ¼ x 3/6 2 ¼ x 3/6	35 75 35 75 35	5 10 10 20
2,47	.26	.65	3F5330	2 14 x 11 44	75	20
2,66	.28	.70	3F5331	2 14 x 11 18	35	25
2,85	.30	.75	3F5332	2 14 x 16 16	75	25
3,61	.38	.95	3F5333	2 14 x 1	35	50
1.90 2.47 1.71 2.09 2.47	.20 .26 .18 .22 .26	.50 .65 .45 .55	3F5335 3F5336 3F5337 3F5338 3F5339	2 ¼ x ¾ 2 ¼ x ¼ 2 ¼ x ¼ 2 ¼ x ¼ 2 ¼ x ¼ 2 ¼ x 1 ¼	150 175 600 600 600	8 1 1
2.85	.30	.75	3F5340	2 1/4 x 5/8	50	5-5
2.85		.75	3F5341	2 1/4 x 11/16	50	10-10

ECTROLYTIC REPLACEMENT CONDENSERS

(SEE MAJESTIC) GRUNOW Part Number 26508 8-8x4-4 Mfd., 300x25 V 3'x2'x134' Fibre Box 3J9990—List, \$2.75 3J9990—List, \$2.75 Your Price......\$1.18 Model 501, 550 Part Number 27151 4-8-20-4 Mrd., 25-150-150-150 Volts 1'4'x2'4'x174'Fibre Box 3J9231—List, \$2.20 Your Price \$1.29 Your Price. **£1 29** Part Number 30091-1 8x8-8 Mfd, 475x450 V. +12-12 Mfd, 25 V. 234'x234'x1 f4'Fibre Box 3J9991—List, \$3.25 3J9991—List. Your Price. Part Number 30326 8-8x12 Mfd., 350x25 V, 2¼ 'x2'x2' Fibre Box 3J9992—List, \$2.50 Your Price....\$1.47 Part Number A-408 5-5 Mfd., 35 Volts 34"x14"x114" Fibre Box 3J9232—List, 75¢ Your Price... 8-30 Mtd., 100 V. 3½ 'x2'x3' Fibre Box 3J9993—List, \$1.55 Your Price.....9 ..91¢ KADETTE "F" Part Number A-430 4-10-10 Mfd., 100 Volts 34'x14'x1' Fibre Box 3J9237—List, \$1.70 Your Price. \$1.0 \$1.00 MAJESTIC Models 211, 214, 215, 221, 223, 251-B, 253-B, 254-B, 351, 353 8 Mrd., 450 Volts 13/ x14/ x14/ Pibre Box 3J9239—List, 95¢ Vour Price, 56¢ Your Price ... Models 201, 203, 204
Part Number 6277
8-4-4 Mfd., 450 Volts
1 \(\frac{1}{3} \times x 2 \frac{1}{3} \times x 4 \frac{1}{3} \times x 2 \frac{1}{3} \times x 4 \frac{1}{3} \times x 2 \fr \$1.47 Models 291, 293, 294
Part Number 7173
8 Mfd., 450 Volts
1'x1 % 'x4 % 'Fibre Box
3 J9245—List, 95¢
50 50¢ Your Price... Models 324. Pt. #7402 10 Mfd., 6 Volts % x2 4 Tub. Cartridge 3J9247—List, 50¢ Your Price... . 22¢ ...78¢ Your Price.... Models 310, 320, 330 Part Number 7489-1 16 Mtd., 500 Volts 1'x1¹2" X3³8" Fibre Box 3J9914—List, \$1.45

Models 311, 314, 315 Part Number 7824 8-16 Mfd., 300-450 V. 114 'x184 'x414 'Flbre I 3 J 9 249—List, \$1.85 ้รากจ Your Price. Models 324, 344, 363 Part Number 7988 7 Mfd., 150 Volts 1 4 x1 4 x2 % Fibre Box 3 J 9900 List, 75¢

Your Price..... Models 311, 314, 315, 331, 336-77, 344, 363, 393

393

Part Number 8118
20 Mfd, 30 Volts
11/6/x11/6/x22/6/Fibre Box
3 J9901—List, 60 c
Your Price... 30¢

Models 380, 381 Part Number 8755
4-8 Mfd., 450 Volts
1-4 'x1-4 'x4-6' Fibre Box
3J9905 — List, \$1.35 Your Price... 55¢

Models 371, 373 Part Number 9219 8-8 Mfd., 450 Volts 17.4'x1',4'x4',4' Fibre Box 3J9908—List, \$1.50 Your Price... 88€

Models 411, 411A, 413, 413A. Pt. #9661 8-10-16 Mfd., 150-25-150 13/ 'x1 1/2 'x4' Fibre Box 3J9909—List, \$2.25 Your Price . .

Part Number 9661-2 8-8x10 Mfd., 350x25 V. 5'x1'4'x1'4' Fibre Box 3J9994—List, \$1.85 Your Price......\$1.09

Model 66X Chassis

Model 118, Pt. /10369 8-8 Mfd., 450 Volts 164'x1'/4'x3'4' Fibre Box 3J9911—List, \$1.85 Your Price

Models 40, 49, 194 Chassis 440. Pt. #10536 10-4-6 Mfd., 25-300-350 14 x18 fibr 184 Fibre Box 3J9912—List, \$1.85 3 J9912 List. Your Price. \$1.09

Medels 55, 59, 75, 195, 560, 556 Chassis 500 Part Number 10827 10-8-8 Mfd., 25-350-350 134'x184'x4'8 Fibre Box 3J9913—List, \$1.95 Your Price 984

MUSIC MASTER COMMANGER, LIBERTY, UNIVERSAL

Part Number 2013 16-8x10-5 Mfd., 200x25 2¾ 'x118 'x4¼ 'Fibre Box 3J9924—List, \$1.95 Your Price.

RAOIO KEG 10 Mtd., 25-150-150 5-8-12 Mfd., 25-150-1'x1'4'x3' Fibre Box 319936—List, \$1.75 Your Price ...

R.C.A. VICTOR Models R27, R17M, R18W M 105, 330, 331 Pt. 45356 er 6513 (New) 6510-2 (Old) 5-5 Mfd., 35 Volts 74 x2½, Tub. Cartridge 3J9218—List, 75e Your Price.....

Models R37, R38, RP37, R38, 120, Pt. #6487 4-4x10-4 Mrd., 300x150 3J9220—List, \$2.00 3J9220—List Your Price...

791

Part Number 66155 4-4x4 M(d., 300x25 V. +10 M(d., 150 V. 3½ 'x1 ¼ 'x1 ¼ 'Fibre Box 3J9995—List, \$2.00 Your Price ... 51.18

Part Number 66171-1 4-8-8-8 Mfd., 175 V. +8x10 Mfd., 250x25 V. 34 'x24' x1 ¼ 'l'ibre Box 3J9996—List, \$4.75 Your Price ...

Model R22 Pt. # 6511 (New), 66160-2 (Old) 8-4-10 Mfd., 150-100-25 11/4 x11/6 x334 * Fibre Box 3J9222—List \$1.40 Your Price Your Price

1 ¼ 'x1 1 1 x3 28 3 J 9 223 — List, Your Price...

Model R18W. Pt. 46535 4-4 Mfd., 150-300 V. 1/4 'x3 1/2' Tub. Cartridge 3J9225—Llst, \$1.25 Your Price...

Models 330-331

Model 108-101 Pt. #6661 (New), 66185-2 (Old) 8-8x5-5 Mtd., 450-50 1114/x174/x414/Fibre Box 3J9227-List, \$2.20 Your Price \$1.29 Your Price ...

Your Frice...

Models R28, R28P,
R28BW, RE40, RE40P,
110, 111, 115, 210, 310
Pt. 47539 (New),
66143 (Old)
4-4 Mfd. 150-450 V.
1'x114'x334' Fibre Box
319230—1.lst, \$1.05 Your Price....

Part Number 68531-2 4x8x10 Mfd., 450x200x50 V. 5'x1's' Alum. Can 3J9997—List, \$2.40 Your Price.....\$1.41

Part Number 68560-2 4x8x10 Mfd., 450x200x50 V. 514 x114 Tub. Cart. 3J9998 — List, 82.20 Your Price. \$1.29

SIMPLEX Models P, R 4-4 Mfd., 450 Volts 2%'x¹⁸%'x⁴' Fibre Box 3J9958—List, \$1.20 Your Price...........71¢

Model 5, V 4-20 Mfd., 150 Volts 1'x1'x4'4', Fibre Box 3J9951—List, \$1.30 3J9951—List, \$1.30 Your Price.........76¢

SPARTON Models 410, 589, 600, 531, etc. Pt. #B2327 5-15 Mfd., 500 Volts 2\(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \(\frac{1}2\) \ Your Price...

Models 61, 62
Part Number A-9550
5-25 Mfd., 175 Volta
1½ x1½ x22¼ Fibre Box
3J9952—List, \$2.1.3
51.23

Mcdels 71, 71B, 72, 78 Part Number A9754 8-8 Mfd., 450 Volts 14 x5' Inv. Alum. Can 3J9953—List, \$1.75 Can 3J9953 List. Your Price.

Part Number A-11093 5-25-5 Mfd., 175 Volts 2'4'x2'3'a'x'13'a' Fibre

3J9958—List, \$1.95 Your Price \$1.15

STEWART-WARNER Part Number 21050 STEWART-WARNER
Part Number 81059
4-13-7 Mfd., 150 V.
3 \(\) 3J9999—Lis Your Price. \$1.15

Models 10-20

Models R111, R115 Part Number 81959S 4-5-9 Mrd., 150 Volts 1¼'x13's'x3's' Fibre Box 3J9961—List, \$1.40 Your Price 82¢

Models R112

Part Number 83394 12 Mfd., 150 Volts 1'x1'x2'4' Fibre Box 3J9965—List, 85¢ Your Price ...

Part Number 83734 8-8 Mfd., 350 Volts 3114 x114 x134 Fibre Box 3J9967—List, \$1.50 Your Price.... 886

Part Number 85764 40 Mfd. 100 V. 2¾ 'x1¼ 'x1⅓ 'Rect. can 3J9173—List, \$1.60 Your Price. .

UNITED MOTORS Part Number 26508B 8-8x4-4 Mfd., 350-25 V 1 ½ 'x1 ½ 'x2¾' Fibre B 3J9969— List, \$2.20 Fibre Box 1 14 'x1 14 'x2 14 3J9969— List, Your Price... \$1.29

Part Number 6201 4-4-12 Mfd., 175 V. 2³4 'x1³6 'x1³4 'Flbre **3J9174**— List, 81.70 Fibre Box 3 19174 \$1.00 Your Price. .

U.S. RADIO (SEE APEX)

WELLS-GARDNER Models OSA, OSB, OSAA, OSBA MONTGOMERY-

WARD Airline Models 62-96, 62-98 Part Number 80944 4-12-16 Mfd., 150 Volts 2⅓ 'X1¾' X1¾' Fibre Box 3/9971—List, \$2.00 Your Price...\$1.18

WELLS-GARDNER

16x4x6x8 Mfd. 450x 350x150x100V. 3½ 'x2½' 'x1 '%' Fibre Box 3J9976—List, \$2.80 Your Price...\$1.65

. 85c

PAGES of EXACT DUPLICAT

FULLY GUARANTEED-Every condenser listed is of standard make and guaranteed quality. Aerovox, Tobe. Solar, Concourse, Curtis. Potter and other manufacturers of recognized quality. These condensers have a higher safety factor than the originals.

FAST SERVICE ON ANY REPLACE MENT—To secure replacement of a con-denser not listed on these "Exact-Duplicate" pages, send the old unit to us along with the name and model number of the receiver. A duplicate will be shipped fromtply.

THEY FIT-Mounting holes, color coded leads, capacities and voltages exactly like the original. Faithful duplications of every physical and electrical specification. No rewiring or redrilling necessary. Send your order to us for any replacement.



S.	duplicate will be ship	1
7,	CLARION (T.C.A.) Model G422. Pt. #P4717 16-4 Mfd., 150 Volts ½ "x14;" x24;" Fibre Box 3J9198—List, \$1.55 Your Price	
Ł	76 'x146 'x246' Fibre Box 3J9198—List, \$1.55	
4	COLONIAL	
4	Part Number R-8053 8-8-8 Mfd., 200 Volts 213 /4 x 2 1/2 x 1 1/4 Fibre	
	Box 3J9169—List, \$1.90 Your Price\$1.12	
4	Part Number 8249 8x8 Mfd., 200x300 V.	
Ā	Your Price 97¢	
1	Part Number R-8357 8-20 Mfd., 150-20 Volts	
	Part Number R-8357 8-20 Mfd., 150-20 Volts 274/x14/x14/Fibre Box 3J9171—List, \$1.35 Your Price 76¢	
	Part Number 8431 8-8 Mfd., 150 V. 2½ ** x115 ** x13 ** Flbre	
	319943—List, \$1.45 Your Price 85¢	
X	Part Number R-8449 8-8-35 Mfd., 150-150-20	
	21% 'x2'x1'%' Fibre Box 3J9172—List, \$2.10 Your Price \$1.23	
9	Part Number R-8515 4x8 Mfd., 150x200 V. 214 'x178 'x178' Fibre Box	
	Your Price	
3	Box 3J9945—List, \$2.30 Your Price \$1.35	
	8-8x10 Mfd., 300x25 V	
A		
	3J9946—List, \$2.10 Your Price \$1.24 CROSLEY	
	CROSLEY Models 124, 125 Part Number 124, 125 6-8 Mrd., 450 Volts 41, x11, x17, Fibre Box 319937—List, \$1.45 Your Price85¢	
	3J9937—List, \$1.45 Your Price85¢	
1	Part Number W-24779 8 Mfd , 175 Volts 2 \(\frac{1}{2}\) x1 \(^2\) x1 \(^2\) Tibre Box 3 \(^3\) 194-List, 75 \(^2\) Your \(^2\) rice	
H	3J9194—List, 75¢ Your Price	
1	Travette Models 95, 163 Part Number W25857B 8-8 Mtd., 25-200 Volts 14, 'x1 14' 'x2 14' 'Fibre Box 319178—List, \$1.00 Your Price	
۱	1 1 x1 1/6 x2 1/4 Fibre Box 3J9178—List, \$1.00	
4	Models 129-1, 130, 130- 1, 132-1, Pt. #W26119	
1	Your Price. 50¢ Models 129-1, 130, 130-1, 132-1, Pt. #W26119 8-4 Mfd. 150-300 Volts 1½ 'X1½ 'X23g 'Fibre Box 3J9183—List, \$1.15 Your Price. 61c	
4	Your Price 61c Dual Travette Models	
d	Part Number W26870A 6 Mfd., 25 Volts	
	Dual Travette Models 96, 150, 155, 163 Part Number W26870A 6 Mfd., 25 Volts ½ V2¼ Tub. Cartridge 3/9179—List, 50¢ Your Price	
4	Model 146. Pt. #26886, W26896A 12-6 Mfd. 300-25 Volts 1'x13, 'x4' Fibre Box 3J9181.—List, \$1.30 Your Price	
	1'x14', 'x4' Fibre Box 3J9181—List, \$1.30 Your Price	
1	Models 148, 167 Fiver Part Number W27488	
	Models 148, 167 Fiver Part Number W27488 8-6 Mfd., 25-300 Volts 1½ 'X1½' X2½' Fibre Box 3J9180—List, 95¢ Your Price	
7.	Your Price 56¢ Part Number W-27676	
4	Part Number W-27676 4-4 Mrd., 175 V. 2½ 'x1'x1' Fibre Box 3J9947—List, \$1.85 Your Price	
	Tour Frice 31c	
	Part Number W27677A 8-8 Mfd., 25-35 Volts 23 4 x1 14 Fibre Box 3J9195—List, 75¢ Your Price	
=	Your Price,	

	163 Par 12 1 114 3J9 You
	8-1; 1 1/6 3 J 9 Y 01
	Nto Pt. 8-8- 11- 3J9 You Mo
	6-7- 13- 3-39
5	Month of the control
	Par 8x8 2 Box 3J9 You
	132 Par 4-9 13, 319 You
30°	Mo 1, 1 Par 8-3 13,
	You Mo Par 8-8- 14, 3J9
39°	Mo Par 16-1 136 3J9
	Em Mo Par 4-4 1'x1
	Mo Par 16-113 / 3 / 3 / 3 / 9 / 9 / 9 / 9 / 9 / 9 /
	You Par 4-6-1'x 3 19 You
	Par 4-8- 1'x1 3J9
	4-12 3°x1 3J9 You Par
	Par 8-16 4'x1 3J9 You Par 12-8

osley—Continued avette Models 99, , 400, 402 tt Number W28068 Mfd., 200 Volts 'Xlia' x2'4' Fibre Box 1882—List, 95¢ r Price. odel 160. Pt. #W28468 2 Mfd., 350-475 V. ("x54 "Inv. Alum. Can 187—List, \$1.95 r Price... 31.15 dels 164, 170, 171 *W29097A and B -8 Mfd., 450-450-250 'x5' Inv. Alum. Can 188—List, \$2.20 ur Price \$1.29 dels 167, 169. Number W29150A d B -8 Mfd., 450-400-25 'x4'%' Inv. Alum. Can 186 List, \$1.90 ir Price. 95¢ dels 166, 172 rt Number W29264A 16-8 Mfd., 125-100-25, 'x3½' Rd.Fibre Cont. 5-8 n. x3 ½ Rd.Fibre 89 List, \$2.00 75¢ ir Price t Number 29809 Mfd., 250x25 V. 'x11/4 'x11/4' Fibre 948-- List, 95¢ ir Price. dels 129-1, 130-1, , 136-1, 157. ? Number #B30017 Mfd., 450 Volts 'x45's' Up, Alum.Can 184—List, 81.45 r Price. . 85¢ dels 129-1, 157, 136-30-1, 132, t Number 4B30018 Mfd., 450 Volts 'x5' Up. Alum. Can. 185-List, \$1.60 r Price. . . del 173, 173-5 tt Number W30124 16-8 Mrd. 100-125, 125. 'x41's' Rd. Fibre Cont. 192—List, \$2.15 merson dels 20A, 25, 25 ft Number HC-31 Mfd., 200 Volts 1'x2's' Fibre Box 1204—List, \$1.00 r Price... dels 20A, 25, 25A rt Number HC-32 Mtd., 35 Volts x1*x1*g* Fibre Box 1205—List, 756 r Price. del 250 W. del 250 W.

1t Number KC-68

16 Mfd., 175 Volts
174 'x4' Fibre Box
207—List, \$1.80 r Price rt Number KC-68 -16 Mfd., 175 Volts 1½ "x43", "Fibre Box 1208—List, \$1.80 r Price . rt Number TC-89 2-16 Mfd., 150 V. 11/2 "x11/4" Fibre Box 1949—List, \$1.90 r Price... \$1.12 rt Number GGC-137 6x5-5 Mfd., 175x35 V. 1²4 'x1' Fibre box 987—List, \$2.10 r Price... t Number UUC-179



IT CONTROL O

VOLUM	EC	ON	T	RO1	L C	UID	E
Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
WELLS GARDNER & CO. GULBRANSON—Con't. 80A O-5-A, O-5-B O-5AA, 0-5BA 082 Auto, 092, 073 072	v. c. v. c. v. c. v. c.	202 776 P 203	\$0.59 1.18 .59	1220001 62-113 62-115 72-105 51-051•	\$0.88 .88 .88 .59 .88	G G12-9(X300) H N	\$0.59 .88 .59 .59
06A 10 tube series super 07A 00A 00A 00A C and CG. 9 in line (late Models)	V. C. V. C. V. C. V. C. Tone V. C.	201 206 780 232	.59 .59 .88	306-002* 72-114 62-116 51-163* 41-148* 74-509*	.88 .59 .88 .88 .88	D12 F-9 O L	.59 .59 .88 .59 .59
9 in line (carly Models) 022, 122 022, 122 022, 122 073 502	V. C. V. C. Tone N. S. V. C. V. C.			78-005* 72-174* 41-099* 72-110 62-105 62-105	.88 .88 .88 .59 .86	L L E N N-9	.59 .59 .59 .59
073 092, 572, 07A; 022; 80 02A 02A 06Z, 06W, Y6Z Y6X	Tone Tone V. C. Tone V. C. V. C.			72-117 72-122 62-116 72-132 62-105 33-083*	.59 .59 .88 .59 .88 1.18	K12 L P-9 P N-9	.59 .59 .88 .59 .88
502 tube AC 90 series 23 series 40 20 40A Arcadia 82 10B 17B	F0.00000000000000000000000000000000000	780 781P 777P 779P	.88 1.18 1.18 1.18 1.18	72-116 62-115 74-556* 72-105 72-110 72-105 74-601	.59 .88 1.47 .59 .59 .59	O YEMP N N	.59 .59 .59 .59
22A, 32A, 42A; 108 27A ZENITH RADIO CORP. ZE3 15, 16, 17, 60, 61, 62, 64, 67, 602-13-42-72, 392, 392A, 33, 34, 40A, 35APX, 352, 352A, 37A, 34P, 342P, 352, 352A	v. c.	778P	1.18	72-107	.59	В	.59
34 40A, 35APX, 35PX, 35PX, 37A, 34P, 342P, 352, 352A, 352PX, 362 52, 53, 54, 57, 522-32-42 11, 12, 14, 1st type 71, 72, 73, 77, 712, 722, 732, 77, 41, 42, 422, 362X, 33X	v. c. v. c. v. c. v. c.	771-TP 205P 771-TP 1434TP 771-TP	1.76 1.18 1.76 1.76 1.76	62-104 62-042* 62-042* 75-614*	1.18 1.18 1.47	L L DRP-221-9 L-9	.59 .59 .59
41, 42, 422, 362X, 33X 80 Hypermetron, 81, 82, 89- 822, 892, 10, 11, 12, 102, 112, 122 80 Hypermetron, 81, 82, 89, 822, 892	V. C. Tone	1434TP 205	1.76	62-042* 72-103	1.18 .59	SRP-172 N	.88 .59
early 91, early 92 91, 92, 2014, 103 Early 2014, 2017 Zenette, AH, CH, RH, LP 27, 39, 39A, 40A 2018, 460 Auto BH (2021)	V. C. Tone N. S. V. C. V. C. V. C.	705P 203 729P 771-TP 573AS 573	1.18 .59 1.18 1.76 .88 .59	62-121 70-203 51-039* 52-205 52-205 52-205	.88 .59 .88 .88	NN C J-9	.59 .59 .59 .59
2009 CP, 2009C, 5 table Zenette LH, MH, WH (2022) 6 tube Zenette A, B, C, D, (2004) 6 tube Zenette A, B, C, D, (2004) 10 11 12 102 112	v. c. v. c. v. c.	240 201 205	.59 .59	62-100 52-205 72-103	.88 .88	G12 G К	.59 .59
2004) 10, 11, 12, 102, 112, 122, 7701, 2056, 462, 460 auto, 230, 240, 245, 210-5, 211-5, 250, 260, 272, BH (2021), 651HE, 660TD	Tone	205	59	72-117	59	к	.59
210-5, 211-5, 270-5, 210, 220 250, 260, 272 2056, 2056-1, 230, 240, 245, 711AC-DC 740 705, 706, 707, 711, 712, 750 (2052)	v. c. v. c. v. c. v. c. v. c.	573AS 203 203 947P	.88 .59 .59	70-205 52-205 62-105 51-163* 62-105	.59 .88 .88 .88	H N O O-9	.59 .59 .59
715. 755, 756, 474 (2053), 2056, 2056-1 760, 765, 767, 475 (2054) 770, 775, 780, 476B, 476A, 760, 765, 767, 475, 712, 755, 756, 476	V. C. V. C. V. C. V. C.	203AS 203AS 203 203	.88 .88 .59	62-105 62-105 62-105 72-107	.88 .88 .88	N-9 N-9 N-9	.88 .88 .88
650-HD, 651-HE, 660-TD, 661-TE, 770, 775, 476B 2056, 2056-1 740 103 (2017) 806, 807, 8847, 850, 808, 809, 800, 861, 812, 870	V. C. N. 8. N. 8. Tone V. C. V. C.	203 205 234 242 706P	,59 ,59 ,59 ,59 ,59	72-117 72-110 41-148*	.59	N-9 K E L Y5MP	.88 .59 .59 .59 .59
825, 827, 829 460, 462, 500, 501, 503, 541, 516, 516, 600, 604, 60), 610, 616, 618 91 (type 1) 92 (type 1) 2047	v. c. v. c. v. c. v. c. v. c. v. c.	706P 945 944P	1.18 .88 1.18	72-10 2 72-102	.59	M-9 N A6MP	.88 .59
Ford car Radio Late 103 (2017) 805, 845, 970, 975 D6C, S6Q, A7D, A5D, A5- L, L6W, S7W, A7C, A6C A6D, L6D, N6S, V6	V. C. V. C. V. C. V. C. V. C.	811PG 812P	1.18 1.18	2011113* 75-503	1.18 1.76	NN N-9	1.47

Bargain Electrolytic Condensers

The highest quality condensers obtainable at these low prices. Although they are not equal in quality to the condensers listed on pages 74 and 75 they are excellent values. We guarantee them to operate as good or better than other condensers offered at these low prices.

Dimensions Given Are Close Approximations.

Single, Dual and Triple Dry Electrolytic Condensers

550 Peak D.C.

Moisture proof cardboard containers with mounting tabs and 6" long insulated leads. All dual section condensers have 4 wire leads. Small compact condensers.

Cap.	Container	Stock	Your	
Mfd.	L. W. D.	Number	Price	
2 4 8 8-8 8-3-8	3 4 x1 8 x 76 2 4 x1 3 x 9 8 2 4 x1 3 x 9 8 2 4 x1 3 x 1 4 2 4 x1 4 x1 4 2 4 x1 4 x1 4	3F5165 3F5166 3F5167 3F5168 3F5169	17¢ 20¢ 23¢ 44¢ 56¢	\$1.65 1.95 2.20 4.30 5.50



Low Voltage - For AC-DC Receivers 2 Section has 4 Leads-4 Section has Com. Neg.

Cap.	Peak	Container	Stock	Your	Ten
Mfd.	Volts	L. W. D.	Number	Price	For
8-8 16-121 16-10	200 200 35	276x1x 36 316x116x1	3J5195 3J5196	29¢ 39¢	\$2.75 4.56

Inverted Aluminum Case Dry Electrolytic Condensers 550 Peak D.C. Containers and leads insulated. Both positive and negative leads are brought out through insulated threaded nipple. For single % he mounting. Locknut included. All duals have

four wire leads. Container Container | Stock Diam, 11t, Number Cap. \$2.56 2.90 3.70 5.10 18 8 x 2 3 8 1 3 9 x 4 3 9 138X438 216X438

Tubular Fibreboard Case Dry Electrolytic Condensers

With Flush Lug Type Mounting Screws 550 Peak D.C.

Container insulated. 6" insulated leads. %2 studs rivered flush with sides of case. Compact 11/2" diameter can. Dual condensers have 2 negative and 2 positive leads.

Cap.	Container	Stock	Your	Ten
Mfd.	Diam. Ht.	Number	Price	For
8	13 4 X 4 1 9	3J5183	27¢	2.59
4-8	132 X 4 1 4	3J5184	38¢	3.65
8-8	112 X 4 1 4	3J5193	40¢	3.85

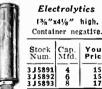


Low Voltage - For AC-DC Receivers

	4 3	ections—Common	Negative	Lead	
		Container Diam. Ht.	Stock Number	Your Price	Ten For
14-8	200}	1 3/8 x 4 1/8	3J5197	29¢	52.75

See Pages 74 and 75 for a complete line of Highest Quality dry electrolytic condensers.

MERSHON



Bargain Power For PHILCO 511

Part N. 3073

314250-List Price. \$7.00 YOUR PRICE \$1.65

For replacement in Philos 511 or other seven tube radio sets using 4-26, 1-27, 1-71A and 1-80. Primary 105-125 voits, 60 cycles A. C. Secondaries 375 V. C.T. @ 37 Ma. 1.5 V. @ 4.3 amps. 2.5 V. @ 1.9 amps. 5 V. @ 2 amps.

POLYMET



4.4 Mfd. 430 Peak Volts 3E5489— YOUR PRICE

1%"x5%" 1%"x5%" high. Stud mounting. Container is neg.



1%"x41/2" high. Stud mounting container negative.

Flatohm Controls



Unusually thin volume and tone controls. The non-switch type extends only \$\frac{3}{4}"\$ back of panel and the switch type extends only \$\frac{3}{6}"\$ back of panel. Especially adapted for use in compact receivers where space is limited. Standard \$\frac{3}{6}"\$ threaded bushing. \$\frac{3}{6}"\$ diameter shaft is \$1\frac{3}{6}"\$ long and milled flat on one side. Potentiometer type. Carbon resistance element. Insulated shaft.

Resist- Stock		Yumber	!	
ance Ohms	Plain Type	Switch Type	Taper	Circuit Location
1,000 2,000 3,000 5,000 10,000 15,000 25,000	3F3082 3F3083 3F3084 3F3085 3F3086 3F3087 3F3088	3F3165 3F3166 3F3167 3F3168 3F3169 3F3170 3F3171	R. H. Unif. Unif. R. H. R. H. Unif. R. H.	Antenna Shunt, C-Blas Antenna Shunt, C-Blas Antenna Shunt, C-Blas Antenna Shunt, C-Blas Antenna Shunt, C-Blas Antenna Shunt, C-Blas
50,000 75,000 100,000 250,000 500,000 1 Meg.	3F3089 3F3090 3F3091 3F3092 3F3093 3F3094	3F3172 3F3173 3F3174 3F3175 3F3176 3F3177	Unif. L. H. Unif. R. H. R. H. R. H.	Screen Volts, Tone Control C-Bias Screen Volts, Tone Control Audio Shunt, Tone Audio Shunt, Tone Audio Shunt, Tone

Pilot Light Sockets



A. 3F6796—Upright Clip Mount. B. 3F6797—Rivet Mount. C. 3F6798—Reverse Clip Mount. D. 3F6799—Rubber Grommet M. E. 3F6770—Long Up. Clip Moun Mount.

Miniature base sockets for pilot lamps. Carefully insulated. Lug connection mountings. No bulbs included.

Dial Lite Coloring



3F2051-List, 50c. 29¢

YOUR PRICE ... Your screw top bottles: Red, Green, Blue, Amber and Solvent. Dip dial light in the coloring and the job is done, Dries in one minute. Color remains permanently. Many remains permanently. remains permanently. Many new sets have several colored dial lites. Replace with one of the same color and ask more money for the job.

See Page 86 for the most complete selection of dial lites ever listed. Lites of various colors are also included.

3C2300-

Extension Connector

EACH 5¢ Ten for Per 100 \$3.95

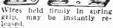
sock -

Eyelet anchors se-curely fasten cords and relieve strain from terminals.

.. 6¢ YOUR PRICE, Each .. C Ten for 55 c Per hundred \$4.95

Fahnestock Connectors





302243—Single connector. down corners prevent turning.

3C2244—Double connector. Per Hundred\$1.59

Readrite Battery Tester Long insu-



lated cords, with сопtact prod on each end included.

3F2695—Storage Battery Tester. Indicates condition of battery and when to charge. YOUR

3F2696 0-50 volts "B" Battery Test Meter. YOUR PRICE 59¢

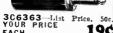
3F2697-0-50 volts: 0-40 amperes. Combination "B" and "A" battery tester. PRICE 88¢

Standard Jack Plug 3C6362-List, 35e. Each

10¢ Ten for 95c

Moulded body 1% inch diameter with eyelet for anchoring cord.

Two Way Jack Plug



EACH 19¢ Ten for\$1.82

Screw connections for two sets of cords with either tip or loop ends. Has loop for attaching stay cord. Unbreakable fiber barrel.

RADOLEK REPLACEMENT

KADOL	C.R.			LA	, E	MEN	14
Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price		Your
STROMBERGCARLSON 523, 524, 734-B, 744-B 635, 636 Short Shaft Double Shaft	-Con't. V. C. V. C. V. C.	32 1 437	\$0.88 .88	72-103 72-161* 72-162*	50.59 .88 .88	SRP-901	\$0.59 .88 .88
638. Short Shaft Double Shaft 846, 848 Double Shaft Long Shaft	V. C. V. C. V. C. V. C.	372 1437 1684 31	.88 .88 .88	72-209* 72-210* 72-206* 72-205*	.88 .88 .88	SRP-269 SRP-961 SRP-962 SRP-900	.88 .88 .88
641, 642, 652, 654 Long Shaft Double Shaft	V. C. V. C.	31 1436	.88	72-159* 72-160*	.88 .88	SRP-900 SRP-960	.88
55, 56 68 55, 56 29	V. C. V. C. Tone V. C. Tone	967 2024 865 203	.88 .88 .88	70-105 72-121 62-105	.59 .59 .88	G G M N N-9	.59 .59 .59
60	V C	2089	.88	02-103		P UC503	.59
1st 38, 1st 39, 1st 40, 1st 41 501, 501A, 501B, 502, 502A 502B 601, 602, 633, 634	V. C.	204 204	.59			T	.59
TEMPLE CORP. 8-60, 8-80, 8-90 8-61, 8-81, 8-91, 5-55 Battery 150, 150 Super 110, 119 ACSO	V. C. V. C. V. C. V. C. V. C.	201 1618 T 203	.59 1.47 .59	70-204 74-515* 72-105 62-110 70-205	.59 1.47 .59 .88	E12 DRP240	.59 1.47
TRANSFORMER CORP. OF AMERICA (Clarlon) 51, 53, 56, 60, 60 Jr.,26-C-60 40 61, 70 80, 25-80, 81, 25-81, 84, 25- 84, 85, 25-85		205 205 277W 201 573	.59 .59 .59 .59	62-111 51-005* 55-004* 79-006 72-114	.88 .73 1.18 .59	Y Y A5MP H12	.59 .59 .59 .59
83, 90, 90A, 91, 92, 94, 25-94, 95, 25-95, 90A, 91, 92, 94, 25-94, 95, 25-95, 120, 121, 139	V. C. V. C. Tone Tone V. C.	274W 573 274W 573	.59 .59 .59	79-006 62-113 62-114 70-205	.59 .88 .88	A400P G G	.59 .59 .59
120, 121, 139, 160, 25-160 G 1349 160, 25-160 AC220, 25-220 AC100 AC280, 25-280, 240, 25-240, 480	Tone V. C. V. C. V. C. V. C. V. C.	242 276W 276W 277W 277W 277W	.59 .59 .59 .59	62-122 62-107 62-107 72-109 55-004 72-105	.88 .88 .59 1.18	A 10MP A 5MP A 5MP-9	.59 .59 .59 .88
260, 25-260 300, 340 A C420 422, 425, 440 423 320	V. C. V. C. V. C. V. C. V. C. V. C.	242 790P 791P 969P 980	.59 1.18 1.18 1.18 .88	72-105 306-001* 62-105 62-119 62-119 72-113	.59 1.18 .88 .88 .88	G12 N-9 J(B3) J(B3) G12	.59 .88 .59 .59
470 470 450 220, 260, 280, 300, 480, 340 450 G120	V. C. Tone V. C. Tone V. C. V. C.	785 786P 787	.88 1.18 .88	72-105 62-122 72-105 62-122 62-105 70-205	.59 .88 .59 .88 .88	UC 502 1. Y I9 N	.59 .59 .59 .88 .59
G1349 G240 G-120, G-160 10 TC20, TC21 G220, G240, G260, G280	V. C. V. C. Tone V. C. V. C. Tone	276 784P 242 805P	.59 1.18 .59	62-10 7 62-122 62-121 62-122	.88 .88 .88	L-9 L-9 N-9	.88 .88
U. S. RAOIO & TELEVI- SION CORP. 500, 700 7D 7 series, 69 chassis 906 7 series 7D, chassis 700, 7 series 8 series, 10 series, 1000,1001	V. C. V. C. V. C. N. S. Tone V. C.	203 208 281 206	.59 .59 .59	52-205 72-105 72-121 72-121 72-116	.88 .88 .59 .59	F C12 M M M M	.59 .59 .59 .59 .59
9, 19, 1006, 1007, 1009, 3070 chassis, Class B, 12 Apex 29, 33 31 32, Apex 49 Batt, #30 Auto Gloriotone #20, 99 series	v. c. v. c. v. c. v. c. v. c.	560 560 560 560	.59 .59 .59	62-121 79-006 52-205 72-115 72-113	.88 .59 .88 .59	M G12 G12 G12 G12	.59 .59 .59 .59
Glorlotone 28, 29, Apex 41, 42, 43, 44, 46, 46A, 47, 47A, 48, 48A Glorlotone early 27 Glorlotone late 27 Case 80, Case 81 Apex 36, 37, 50, 60, 90	V. C. V. C. V. C. V. C. V. C.	274 276 678P 201 201	.59 .59 1.18 .59	72-118 72-107 99-006 72-100 70-205	.59 .59 .88 .59	A400 P UC500 G12-9 G	.59 .59 .88 .59
160, 250, 400, 506, 3040 3056, 24 1010 1010 Apex 28, 29, 31, 32, 31 Re-	V. C. V. C. Tone	201	.59	62-119 62-105 72-121	.88 .88	Y	.59
Chassis 1200	Tone V. C.	203 819 T	.59 1.47	72-105 62-121	.59	N M	.59 .59
5A, 25, 25A 26 26P 1006, 1007, 3070 12, 120	V. C. V. C. V. C. Tone V. C.	240AS 560 677 2084	.88 .59 .88	52-205 72-113 72-113 72-122	.88 .59 .59	G12 G12 G12 K12	.59 .59 .59
WELLS GARONER & CO. GULBRANSEN Arcadis 72 Wells Gardner & Co. Gu		202 Con't.	.59	1220001*	.88	H12	.59

VOLUME CONTROLGUIDE

ODOM							
odel eceiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
PARKS-WITHINGTON parton)—Con't. 0, 420 Junior Jewel, 430, 0, 870, 931 A, 600-A, 610-A, 620-A	V. C. V. C. V. C.	1717TP 1717TP 360P	1.76 1.76 1.18	75-543* 75-543*	1.76 1.76	DRP-246 GK C	1.47 1.47 .59
, 34, Auto, 40 Auto, 54 itt. , 15, 30, 45 Visionola, 25, , 51, 54, 35, 235, 52, 56 , 16AW, 18, 27A, 28 , 27A, 28	V. C. Tone N. S. V. C. Tone	694 205 233 283 242	,88 .59 .59 .59	72-121 72-117 72-108 62-114 72-122	.59 .59 .59 .88	M K12 D G-9 L	.59 .59 .59 .88
, 32, 51, 52, AR19 auto	V. C. V. C. V. C.	489 360P 998	.88 1.18 .59	72-132 70-203	.59	UC507 A2MP N	.59 .59 .59
A, 600, 610, 620, 235, AC, 29, 750, 564, 737, 0, 111A, 574	V. C. V. C.	655 241	.88	1010964* 70-206	.88	SRP258	.88
0 . 82 . Visionola, 25, 26, 35 . 71B, 72, 78, 61, 62, 43	V. C. V. C. V. C. V. C.	774 2016 358P 359P 2017P	.88 .88 1.18 1.18	72-110 72-102 72-110 62-121	.59 .59 .59	E Y E UC500 M-9	.59 .59 .59 .59
Auto, 33B, Triolian . 78, 74 26 26 1, 30A	V. C. V. C. N. S. V. C. V. C. V. C.	2018 2039P 2019 204W 204W	.88 1.18 .88 .59 .59	72-121 62-121 72-110	.59 .88 .59	M M-9 E R S A5MP	.59 .88 .59 .59 .59
5A, 475A, 478A b, 83, 84, 85X, 86X, 104,42 c, 79, 89, 89A, 110, 930, g1 D.C., 301DC, 589, 591, g3, 101, 103, 109, 110	v. c. v. c. v. c. v. c. v. c.	2038 208 357 357	.88 .59 .88	72-121 1010963 1010963	.59	M M M SRP154 SRP-154	.59 .59 .59 .88
DIAC, 931AC 99, 101, 103 30, 931, 301 5, 66, 65T, 66T, 67, 68	V. C. V. C. V. C. V. C. V. C.	357 357 357 2037P	.88 .88 .88 1.18 1.18	1010963 72-107 70-206	.88 .59 .59	K SRP-154 SRP-154 M-9 M-9	.59 .88 .88 .88 .88
TEWART-WARNER CO, 0, 310, 325 06, 315, 320, 330, 385, 390 35, 340 00, 305, 310, 315, 320, 325, 40, 330, 335 63	V. C. V. C. V. C. Fila. Control V. C.	274W 274W 274 274 274W 204 278	.59 .59 .59	79 006 72-118	.59 .59 .59	X X A400 P R E	.59 .59 .59
55,360,500,520,525, Batt. 11, 811-A, 808, 802, 760 05 95 30, 535 15, 720	V. C. V. C. Tone V. C. V. C.	202 202 202 234W 201	.59 .59 .59	70-202 72-117 62-122	.59 .59 .88 .59	UC510 K12 L E G	.59 .59 .59 .59
50AC series, R100A 1100B, R100E, R100 50 Batt, 950 DC, 951 Batt, 51 DC, 952 Batt, 952 DC, 53 Batt, 953 DC. 70AC, 970DC, 971DC, 72 DC, 973DC, 980 Batt, 1-100-C-DC	v. c. v. c. v. c.	298 298 1759T	.88 .88	30-010* 30-010* 4010901*	.88 .88	SRP-245	.88 .88
72 DC, 973DC, 980 Batt, k-100-C-DC	v. c.	1759T	1.47	74-602	1.47	LM	1,47
100F, R100C k-102A, R-102B, R-102E k-104A, R-104B, R-104E k-104-A-B-E, 102 k-106A	Tone V. C. V. C. Tone V. C.	201 201 612 611P	.59 .59 .88	72-117 72-114 62-105 72-117 62-105	.59 .59 .88 .59	K12	.59 .59 .59 .59
R-106A k110A, R110E 09 series, R110, R111, k115, R116, R119 201, 1209, 112, 1121, R112 suto k120A	N. 8. V. C. V. C. V. C. V. C.	611P 682P 683P 939P	1.18 1.18 1.18 1.18 2.59	3	.88 .88 .88	N-9 N-9 N	.59 .88 .88
R120EF 08, 108X R120EF 00 Series R117 02A, 202B, 202E	V. C. V. C. Tone V. C. V. C. V. C.	203AS 279 2015P	.88 .59 1.18	28-031	.88 .88	l J-9	.94 .59 .88
01, 902, 903, 911, 912, 913 090, 1091, 1092, 1093, 1094, 095, 1096, 1097, 1098 171, 1172, 1251, 1252, 1253, 254, 1255, 1256, 1257, 258, 1259, 1271 to 1279, 201, 1209	V. C. V. C. V. C. Tone			28-031*	.88	N-9 Y-9	.59 .59
5TROMBERG-CARLSON 6DC, 17DC 10, 11, 25, 26 12, 14, 27 22, 24, 37 38, 39, 40; 41		482 481 483 484 803T 1872T	.88 .88 .88 1.47 P 1.76	72-042* 72-082* 75-545*	.55 .58 .88 1.76	SRP-213 SRP-216 MM	.88 .88 .88 .88 1.47 1.47
52, 54 53 Auto, 48, 49; 50; 51 48, 49, 50, 51 84 Stromberg-Carlson—Co	V. C. V. C. Tone V. C.	801T 800T 2021	1.47	62-121 74-580° 52-041°	1.4 1.1 1.1	N O M-9	.59 .59 .88

SPRAGUE Interference Analyzer

Shows Exactly
Where Interference
Originates and How to Eliminate It! 312627nolete with adapters \$055 PRICE . 21 Different Filtering Combinations Indicates exactly what condensers and chokes are needed to eliminate radio interference. Connects in

Demonstrate It is possible to demonstrate to your customer just how into your customer just now interference may be eliminated
by use of the proper filtering
equipment. With the use
of this Analyzer you can guarantee the job before you invest one panny in equipment.

Opportunities

Public are hardness and rast

Opportunities
Build new business—open vast
new opportunities in eliminating interference from line
noises, small appliance motors,
oll burners, all types of electric motors, beer parlor
equipment, flashing traffic
lights, etc. The Analyzer
will also help you sell good
antenna systems by demonstrating noises picked up by
the antenna. the antenna

interference. Connects in the circuit of the electric at appliance suspected of the control of t

I'se as indicated by the Interference Analyzer listed above or as specified opposite each type listed. The highest quality and most efficient types of condensers and chokes available for interference climination. Especially designed for the suppression of noise.

positions indicated on the panel. This automatically connects different filter banks into circuit until the combination is found which climinates the interference most effectively. Reference is then made to an instruction chart which specifies condensers and chokes to be used. The same results are obtained from the Individual condensers (and chokes, where necessary) that were secured with the use of the Analyzer. The exact same combination of condensers that were used to eliminate the interference with the analyzer are specified on the chart. No guess work—no lost motion. Compart bakelite case 11½"x1"x3". For use on 110 voits.

Type CH-1 3J8445 List, \$1.35. Your Price 79¢

FOR FRACTIONAL

SPRAGUE Interference Elimination Condensers & Chokes



Individual unit oil impregnated, oil-filled condenser for small motors requiring higher capacity units. Two may be connected in Two may be connected in when necessary. Size, series 3x1½".

Type IF-50

318442-

List. \$1.75.

YOUR PRICE

\$1.03

Type IF-33, IF-21



3. 1

COUNTY TO

A Tubular, A Tubular, 2-lead condenser for eliminating in ter ference from fractional horsepower motors such as found in mixers, small fans, hum id iffers, beer numbs. er pumps, beer

portable el driers, etc. electric tools, h a halr 3J8443-Type IF-33 Compact type. Size, 1%x24".

75c. YOUR PRICE 44¢

3J8444—Type IF-21 dard type. Higher ce Size, 2½x1½". capacity. YOUR PRICE 59¢

Type IF-11

A Dual condenser for large type motors such as found on refrigerators, oll burners, sign flashers, etc. In obstinate cases of Interference a choke may be required. terference a choke may be required, but in 80% of the cases the condenser alone will suffice. see diagram II. Size, 411½".

3F8441 List, \$2.50. YOUR PRICE \$1.47

Specially designed choke will carry up to 10 amperes the capacity approximately to use on 1 horse power motor. Enclosed in a sturdy metal can, self-mounting. Size, 23, x2x15%". IIO AC



DIAGRAM | Showing Type IF-33 or Type



DIAGRAM II A typical Type
IF-11 condenser installation for
any type motor. Metal condenser container is the common
plate of the dual condenser.
Make all connections as close
to motor as possible. In obstinate cases of interference connect
a series choke, Type CH-1 at
points A or B or at both A
and B.

Metal Box For Mounting Above Unit Combinations Standard metal cut-out boxes. Size: 6x6x3½". Houses various interference units. Hinged cover and knock-out holes. Hinged YOUR PRICE 88¢

Copyright 1936 by W. C. Braun

GERNSBACK'S Official Radio Service Manuals **VOLUME V**

1935 Official Radio Service: Manual Complete Directory 1934-1935 Radio Receivers Contains specific information accompanied with diagrams for each set released after publication of Volume 4. Cumulative index covers all previous volumes. Each couple owner to ask 24 questions on radio free of charge. Data covers all necessary information for servicing. Flexible loose-leaf leatherette cover. 97'x12"

1934-1935 Radio Receivers

315959 **286** Your Price Post Paid

1000 Pages 3000 Illustrations Only 11/4" Thick

VOLUME IV

Covers 1933 and Early 1934 Receivers

3J5953-Postpaid. YOUR PRICE

Over 2000 diagrams—over 400 pages—many valuable illustra-tions, charts, layouts and schematics. Data includes information our P.A. Systems, rest equipment, radia tubes and auto radio. Plex.ble leatherette 9x12 in, binder.

VOLUME III

Covers 1932 and Early 1933 Receivers 3J5952—Postpaid.
YOUR PRICE

Over 700 pages of service information, 2000 illustrations, Data on S. W. Receivers, tubes, test equipment, etc. Flexible leatherette looseleaf binder, Size 9xi2 in.

VOLUME II

Data on 1931 and Early 1932 Receivers 3J5951--Postpaid.

1000 pages with 2000 diagrams, charts and illustrations. Loose-leaf leatherette binder. Size 9x12 in.

VOLUME I

Covers Standard Sets 1923 to 1931 3J5950—Postpaid.

Over 1500 illustrations. 650 pages. Much fundamental informa-tion and testing methods for various receivers. Data on "R" climinators, meters, speakers, etc. Flexible loose-leaf leatherette binder. Nize 9x12 in.

Combination Manual

Covers Radio Receivers from 1923 to 1934 3J5954-Complete. YOUR PRICE \$1698

Volumes 1, 2, 3, and 4 have been combined in one convenient binding. Contains over 2700 pages and 7500 diagrams. No pages or diagrams are duplicated. Contains a complete course in radio, needed in radio servicing. Includes all supplements. Extra heavy looseleaf binder. Size 9x12x6 inches.

Official Auto Radio Service Manual **VOLUME 1**

315955 YOUR PRICE

Contains auto radio data up to June, 1934. Data covers proper use of resistors, condensers, chokes, aerials, etc. Including Installation, and "B" power units. Nearly 200 pages. Flexible looseleaf leatherette binder, 9x12 in.

VOLUME II

3J5957 YOUR PRICE \$209

Covers 1934 and 1935 radios. Additional information to Volume I, Cumulative index. About 240 pages.

Radio Craft Series

An up-to-date library may be compiled with these Radio Craft Serie: Easily understood authentic information, 61 pages Fully illustrated. Bound in stift covers. 3J5970—"Public Address Installation and Service".

3J5971—"Point-to-Point Resistance Measurements". 3J5960-"Radio Set An-

315964 = "Automobile Radio and Servicing"

315962 - "Bringing Electric Sets Up-to-Date" 3J5961-"The Superheterodyne Book".

Any Book Your Price, Each

Refrigeration Service Manual 315956-Volume I. 315963-Volume II.

List. \$5.00. YOUR PRICE ... \$400

VOLUME I

Completely explains and H-lustrates the procedure of servicing all standard type refrigerators. Explain-lng every part and tools nec-essary for servicing, 450 pages, 1200 illustrations, 812e, 9x12 in.

VOLUME II

Contains many new and dif-ferent methods of trouble shooting. Has every known refrigerator listed. No du-plication with Volume I. Flexible leatherette cover. 38c Flexible 350 pages.

RADOLEK REPLACEMENT

		-					
Model Receiver	Part	Electrad Number		Centralab Number	Your Price	Yaxley Number	Your Price
SEARS ROEBUCK CO. 1370 1430, 1390, 1400; 1402;	V. C.	573	\$0.59	52-205	\$0.88	H7	\$0.59
1404, 1406, 1320, 1322, 1324, 1450, 218 1580, 1582, 1584, 1590	v. c.	573	.59	99-006	.88	H9(B2)	.88
1592, 1630 1480, 1482, 1484	v. c.	573 201	.59	99-006 79-006	.88	H12 H	.59
1590, 1592, 1580, 1582, 1584, 1570, 1572, 1574, 1630, 1640, 1480, 1482,							
1630, 1640, 1480, 1482, 1484, 1462 F, FF, G, J, K 218	Tone V. C. Tone	206 201 205	.59 .59	72-105 72-100 72-117	.59 .59	N H K	.59 .59
Mentor, Model H	V. C.	1812TP 234WAS	1.76	62-110	.88	F F	.59
111 111-A 112	V. C. V. C. V. C. V. C. V. C. V. C.	573 242 573	.59 .59	79-006 72-104 98-0 03*	.59 .59 1.18	F L	.59
1620, 1622 Batt. 1703, 7064	v. C.	270 930P	1.18	62-131	.88	U-9 M (X300)	.88
1704. 1706, 1707, 7070, 7071. 7072, 7073, 7074, 7075, 7076,	v. c.	929P	1.18	62-105	.88	N-9	.88
7077, 7078, 7090, 7091, 7092, 7093, 7094	V. C. V. C.	927P 925 T P	1.18 1.76	62-105 1210901*	.88 1.18	N-9	.88
1705 1705 1705	Tone N. S.	932	.88	72-116 72-118	.59	ō	.59
1708, 1709, 1720, 1725, 7065 1708, 1709, 1712, 1713,	V. C.	926 T	1.47	72-105	.59	N	.59
1714, 1721, 1722, 1732 1710 1711, 7090	Tone V. C. V. C. V. C.	928 931 933	.88 .88 .88	72-105	.59	N U U	.59 .59
1714 1721, 1722, 1732, 1722-X, 1732X		932	.88	72-132	.59	0	.59
1732 X 1750 1720, 1725, 7065, 1750 501, 502	V. C. V. C. Tone	924T 928 934P	1.47 .88 1.18	72-105 62-105	.59	NE N N-9	1.47 .59 .88
1721 1700, 7062	V. C. N. S. V. C. V. C.	201 233WAS	.59	72-115 72-107	.59	H D12-9	.59
1800, 7114, 7121	V. C.					H(B1) SRP263	.59
1082, 1083, 1801, 1802, 1803, 1803A, 1807, 1804, 1805, 1820, 1821, 1826,						7741 200	100
1827, 1828, 1840 7110 7126	V. C. V. C. V. C.		- III			N-9 Y250MP UC509	.88 .59
						UC509	.59
SENTINEL RADIO COR 8, 9, 29, 30, 5000, 5100 11, 12, 14, 16, (104) 104	V. C. V. C.	573 201 AS 573 AS	.59 .88 .88	79-006 62-115 99-006	.59 .88 .88	H12 G12 G-9	.59 .59 .88
108 108A, 111, 109, 99, 110 117, 108B	000000 V V V V V V V V V V V V V V V V V	283AS 560	.88 .59	62-114 62-114 72-100	.88 .88 .59	L-9 F	.88
108, 108A, 108B, 109, 110		205	.59	72-117	.59		.59
114, 104, 106B 31, 33 513 550, 560, 561	Tone V. C. V. C. V. C. V. C.	233 240 573 AS	.59	72-108 62-113	.59 .88 .88	K D12 G-9(B2)	.59
570, 599 614		201AS 203	.88	99-006 62-115 62-105	.88	H-9(B2) H-9(B4)	.88
114 440 106B, 444, 660, 666C	14444 100000	203 201AS	.59 .88	72-105 62-115 72-115	.59	N N-9 G	.88
1020A, 1030A, 602 1020A, 1030A 1020A, 1030A	Tone	201 203AS 205	.59 .88 .59	62-105 72-117 72-108	.59 .88 .59	G12 N-9 K12 C-8	.59 .88 .59
622, 623, 634, 635 622, 623, 634, 635	V. C.	208AS	.88	62-121 72-117	.88	M-9 K12	.88
501, 502, 5100, 6101, 6102, 6100 118	V. C. V. C. V. C. V. C.	203	. 59	72-117	.59	H12 N-9	.59
1040, 5500, 5700, 5721 600 Auto, 125, 6200, 6234, 6241, 7700, 7732, 7741		200	. 33	72-100	.33	N-9 N	.88
SILVERTONE (See Sears	V. C. Roebuck	Co.)			_	,	
SIMPLEX RADIO CO. D, Q-1931 P Batt., P-1931	V. C.	201 726G	.59	52-205 72-114	.88	G7 G12	.59
P-AC above 330001, P32V. above 35001 P Batt. above 173501	v c	935P 935P	1.18	62-121 72-121	.88	M M	.59
H (AC)	v. c.	233W	.59	62-108	.88	D-9	.88
K R-(AC) F, L U	v. c. v. c.	233 201 936P G	.59 .59 1.18	62-108 52-205 52-205	.88 .88	G12 G12	.59
U V	V. C. V. C. V. C. V. C. V. C.	205 937 P 937 P	.59 1.18 1.18	62-103 62-104 62-104	.88 .88	K L(X200) UC510	.59 .59
T, W, all wave J, P Batt., P, P-1931, L, P-AC, P-32V H-AC	V. C.	938P	1.18	62-105	.88	N	.59
P-AC, P-32V H-AC G X	Tone Tone V. C. V. C.	242 203 373 TP	.59 .59 1.76	72-122 72-105 52-205	.59 .59 .88	L N G	.59 .59
SPARKS-WITHING-	V. C.	240	.59			G12	.59
TON CO. (Sparton) AC7, AC62, AC63 5, 9	V. C. V. C.	202 361P	.59 1.18	70-202 52-205	.59	E-9	.88
Sparks-Withington Co.	(Sparton)						

VOLUME CONTROL CUIDE

VOLUM				KUI		OIL	L
Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your
R.C.AVICTOR, INC.— RE-18, RE-18A, RE-19, R21, RAE-26	Con't.	385	50.88	1210900*	1.18	SRP-153	\$0.88
R7A, R11, RE16A, RE18, RE18A, R21, RO23, RAE-		1					
26 RAE26, RAE79, R80, R82, R86	Tone Phono	380P 384	.88	72-122 48-050	1.18	Y200MP V	.59
RE59	Phono	661P	1.18	48-050	1.18	<u>v</u>	.59
R14 for 60 cycle R15, RE17, R42, R48 R14, R42	V. C. V. C. Tone	271T 228T 280	1.47 1.47 .59	74-524* 74-526* 62-111	1.47 1.47 .88	DRP-116	1.47
	V. C. V. C. V. C.	400 381G	.88	48-006 72-109	1.18	R A5MP	.59
R80, R82, R86 112, 220V-AC or DC	V. C.	381G	.88	62-110	.88	A5MP9-1 A5MP9-1	.88
114AC-DC R100, RC100, 101 R42	V. C. V. C. V. C. V. C.	2065PG 836P 570T	1.18 1.18 1.47	62-109 74-526*	.88 1.47	E-9(B2) GG	1.47
R47, 44, 46AC R80, R82, R83 Remote	V. C.	403	.88	72-108	.59	SRP-142	.81
Control Mod. Radiola 46 DC	V. C.	724 408	.88	72-109 72-103	.59	A5MP K	.55
RE35, RE39, RE57, RE73, RE34	V. C.	336T	1.47	74-524*	1.47	LM	1.4
RE35, RE39, RE57, RE73, RE34 RE35, RE39, RE57 Re-	Tone			72-132	.59	P	.5
mote Control R60, R62	V. C. V. C. V. C. V. C.	725T 404	1.47	72-118	.59	SRP-138	.81
R66 R21	V. C.	407 205	.88	72-118 72-103*	.59 .59	SRP-139 K	.5
R22 P31	V. C. V. C. V. C.	205 206	.59 .59	62-110 72-116	.88	SRP-134-9 O	1.1
RC78 RC78A, RAE84 R78, RAE84	V. C. V. C. Tone	203	.59	4220900* 1210902* 72-105	1.76 1.18 .59	N	,5
R78, RAE84, R90	N. S.	383G	.88	72-110	.59	È-9	.8
R90	H. F. N. S. L. F.			72-132 72-110 72-120	.59 .59	UC505 Y200MP	.5
R74, R76, R71, R72, R77,		005			_		
RE81 R71, R72	V. C. Tone Tone	205 205 281	.59 .59	72-117 72-117 62-104	.59 .59 .88	K K12 L-9	.5 .5
R74, R76, R77 R70	V. C.	560	.59	70-205	.59	F	.5
R70, RE81, RE20 RE80	Tone V. C. Tone	203 240 206	.59 .59	62-105 70-205 62-116	.88 .59	N-9 A10MP	.8 .5
RE80 RE80 SW adapter, SW10	Phono V. C.	240 240 280	.59	72-113 70-206	.59	TRP603-8	.8
SW adapter, SW10 R32, RE45, R52, RE75, RE154, RE156	V.C.	1706T	1.18	74-600*	1.47	DRP-115	1.4
R32, RE45, R52, RE75, RE154, 77 R37, R38P	Tone	863	.88	72-116	.59	0	.5
R37, R38P R37, R38 R28, RE40	V. C. Tone	203	.59	1210901* 62-105 62-108	1.18 .88	N-9 D-9	.8
R28, RE40 RE40 RE45	V. C. Tone Phono	743PG 278 773	1.18 .59 .88	72-110 72-118	.59 .59	A A	.5
RE40, 300	Phono Phono	278	.59	70-204 52-204	.59	E12 E12	- 5
310 RC98 R100, RC100, 101	V. C.	278 783PG 2067P	1.18	72-108 62-109	.59	D E-9(B2)	.5
RC104 R84	V. C. V. C. V. C.	782PG 861	1.18	72-109 72-103	.59	K	.5
R73A, 75 M32 Auto	V. C. V. C. V. C.	862 206	.88	72-116 72-116	.59	P P L	.5
B C24 Antes		281	.59	1-210-9014		L	.5
RC106, R240, 140, 141E, AVR1 RC106, R240, 140, 141E, AVR1	V. C.	916 921P	1.18	62-116	.88	0-9	.8
RC120, 330, 331 R120	Tone V. C. Tone	917 919P	1.18	1-120-9014	1.18	L	.5
110, 111, 115 210	V. C.	2075PG 2061PG	1.18	62-108 62-108	.88	D-9(B1) D	.8
300 301	V. C. V. C. V. C. V. C. V. C. V. C.			62-103 62-108	.88	K-9 (X150) E-9	.8
310 135B, 235B		2061PG			.88	E-9-1 M	.8
17M, R18-W, R27 RC38	V. C. V. C. V. C. V. C.	2073PG 2063	.88	62-131 72-087*	-88	Y200MP	.5
262 RC834 R92	V. C. V. C. V. C.	2080	.88	1220002* 72-117 62-105	.88 .59 .88	N-9	.8
RC52	v. c.		-	72-111	.59		
118, 211	V.C.	2094P	1.18	2211903*	1.18	TRP603 UC505	.8
260, 261, 280	Tone L. F.			72-132	59	Y200MP	.5
260, 261, 280 260, 261, 280	Tone N. S.			72-120 72-110	.59 .59		
260, 261, 280 R220, 222 R220, 222	V. C. V. C.	2066P 918	1.18 .88 1.18				
R220, 222 Premax, P1	Tone V. C.	920P	1.18	62-122 62-131	.88	I, Y200MP	.5
R. K. RADIO LABS.			S mall to the				
RKB4, RKC4, RKP4 RKS5, RKT4 RK50, RK601, Radiokeg	V C V C V C V C	963PG 964PG 965P	1.18 1.18 1.18	52-205 62-100 62-105	.88 .88	J-9(X500) (i N-9	.8 .5
RK50, RK601, Radiokeg RK60G Radiokeg Arkayolo	V C	965P 965P 966P	1.18	62-105	. 88 . 88 . 88	N	.5

Octave Tone Control

And Static Suppressor **Variable Capacity Control**

Wariable Capacity Control

Built on entirely new principle. Consists of a tard condenser with 7 phosphor bronze contacts over which rotates a semicircular phosphor bronze plate which increases or decreases the capacity in circuit. At off position, control is entirely out of terminals on control are connected to grid and ground. In pushpull output, connect control to the two grids. The tone control is positively noiseless and helps eliminate noise and static of all kinds. Housed in one plece bakelite shell with metal backplate. Shaft length 1½" including ½" long threaded bushing which fits %" hole. Extends only %" behind panel.

Stock Number	Your Price	Capacity Mfd.	With Switch Stock Number	Your Price
3F3007 3F3008 3F3009 3F3010 3F3011	35¢ 35¢ 41¢ 47¢ 53¢	.003 .006 .01 .015	3F3012 3F3013 3F3014 3F3015 3F3016	47¢ 47¢ 53¢ 59¢ 65¢

Complete Cross-Index Of General Electric, Graybar and Westing.

house Receivers Built by RCA Victor
You can eastly find the correct control for any General Electric,
Graybar or Westinghouse receiver. Locate on this chart the
model number of the equivalent R.C.A. Victor receiver and
refer to the R.C.A. Victor listing on pages 68 and 67 of the
Radolek Replacement Volume Control Guide, Model | Numbers| Identical to | | Model Numbers Identical to

8	Model	Numbers	Identic	cal to	ModelNumbers Identical to				
59	General Electric	West- ing- house	Gray- bar	R.C.A. Victor	General Electric	West- ing- house	Gray- bar	R.C.A. Victor	
59	JZ30 J70 T12 T12D T12E	WR17 WR14 WR14CR	GT7 GB4	SW2 R4 R5 R5DC R5X	J87 J87A J105			R75 (47's) R75 (2A5's) R76	
59 59	E52 J75 S22 S22X	WR9	GC13	T5 R6 R7	J107 J125 J125A			R77 R78 R78(2)	
59 59 88	822(2)	WR10 WR10A	GB8A	R7A	1131	WR23 WR5	GB700	RE80 Rad.80	
88 59 88 59 59	J80 842 8132 K62 J85	WR18 WR12 WR15A WR15	GT8 GB989 GB9 GC14	R8 R9 R10 R11 R12	H51 51 R	WR25 WR6 6R WR7	GB770	RE80 SW Rad.82 82R	
59 88 59	SZ42P BX,K41	WR13 WR13A WR26M	GB300	Rad.16 RE16 RE16A R17M	H71 71R K106 K106P C30 K43	7R	GB900	Rad.86 86R R90 R90P 91B	
59	KZ62P			RE18, 18A	3141	WR32		100	
88 88 59	K40A B1 B2		GB310	R18W Rad.18 Rad.21 Rad.22	M40 C41 C60 K52 K53	WR41		102 M105 M107 110 111	
59 59 59	1.50 1.51 JZ835 JZ822	WR16		R228 R22W RO23 R24	L52 L53 K53M B52 M51	WR34 WR42 WR48		112 114 115 M116 118	
59 59	JZ822A	WR24		R24A (47'8) R24A	K63 K64	WR36 WR37		120 121 M 123	
59 59 59	K40 K50 K50P	WR24 WR26		(2A5's) R27 R28 R28P	C61 M63 C62 K64D			124 126B 127	
88 59	K51P A90	W1R27		R28P (AtoG) M30	M61 C70 K80	WR46 WR50 WR47 WR30		128 128E 135B 140	
88 59	A81 A60			P31 M32	K80X B81	WR31		140E 141 141E	
88 88 88 59	B40 K60 K60P K65	WR33 WR28	GB311	Rad.33 M34 R37 R37P R38	M81 K55 M56 K66	WR45		142B 143 210 211 220	
59	K65P K54 K54P	WR29		R38P RE40 RE40P R43	M65 K66M C67 M67			221 222 223 224	
88	842B		GB500	R43 Rad.44 Rad.46	C75 K85 B86			235B 240 241B	
88 59 59	T41 H32	WR4	GB550 GB678 GB320 GB100	Rad.48 R50 Rad.51 R55	M86 K107 K105 M106 K126			242 260 261 262 280	
-	H72		GB330 GB340 GB600	RAE59 Rad.60 Rad.62 Rad.66	K125 K48 M49 K58			281 300 301 310 321	
59 59 88 59	J82 J86 J83	WR19 WR22		R70 R70N R71 R72 R73 (47's)	M68 M69 K78 K79 K88 K88X	WR49 WR38 WR39		321 322 330 331 340 340E	
59 88 59 88	J83A J100	WR20		R73 (2A5's) R74	M89 M128R M128 M129			341 380 380HR. 381	
J									

Replacements For **PHILCO** Receivers

With the large number of Philico receivers in service, it is as economical to stock a special duplicate control as a standard replacement. The controls listed below exactly duplicate the electrical and physical specifications of the original controls used in Philico receivers.

Phileo	Phileo	Centralab	Your
Model Number	Part No.	Part No.	Price
14, 15, 91	8054	1-210-907	51.18
15	7050	1-010-979	-88
16	33-5022	2-211-900	1.47
17	33-5023	2-221-903	1.47
18	33-5024	2-221-900	1.47
19	33-5000	1-210-906	1.18
20, 21, 41DC, 42DC, 77	4094	74-579	1.47
30, 96, 111, 111A, 112, 112A	4093	72-177	.88
35, 36 (Batt.)	5317	4-010-907	1.47
37 (Batt.)	7239	74-557	1.47
38, 38A (Batt.) 38, 38A (Batt.) 40 (D.C.) 70 Lazy "X", 370	33-5017 33-5087 4056 5056 6892	1-010-980 1-010-980 1-010-977 75-544 2-021-908	.88 -88 .88 1.76 1.18
44, 118	33-5025	2-021-907	1.18
46 (D.C.)	4141	74-560	1.47
47 (D.C.) 71	6490	51-095	.88
48 (D.C.) 51, 51A, 52	5839	51-076	.88
50, 50A	5232	74-559	1.47
53	33-5001	2-021-904	1.18
54	33-5010	2-011-911	1.18
57	33-5011	2-021-905	1.18
60, 261	33-5006	2-021-001	1.18
65	3528	1-010-978	.88
70, 90 (2-45's) 470, 70A 70 (A.V.C.) 78 80	5039 6015 3879 33-5005 33-5002	74-579 1-010-975 1-010-982 2-021-906 1-020-903	1.47 .88 .88 1.18
86, 87, 511 89, 19 89 90 (1-47), 490 90 (2-47's)	3076 8003 33-5007 5724 6015	24-016 2-011-921 1-020-904 1-010-976 1-010-975	.88 1.18 .88 .88
91 95 144 29, 45 Ford Car Radio	7019 3790 33-5068 33-5060 33-5067	1-010-981 24-264 2-221-902 2-221-901 2-221-904	.88 .88 1.47 1.47

Special Replacement Controls For Philco Receivers

For Models 20, 20A, 21, 220, 40DC, 1DC, 42DC, 77, 77A. Phileo Part No.



Phileo Models 70, 70A, 270A, 570, 90 (2-45), 90A (2-45), 470, 470A.

SL5039-Phileo Part No. 5039.

List. \$1.80. YOUR PRICE \$1.06

For RCA Victor Receivers

Genuine R.C.A. Control for Models R-14, R.15, RE-17, R-42 R-48

Part Number 7129



3F3063—List, \$2.30.

\$1.35 PRICE



bon element.
Diam. 1%";
depth 5%". 44"
shaft ½ in. long.



PRICE

Yaxley Potentiometer

95¢

3,800 ohms each sec-part number pole 77150-1.

10,000 ohms. Wire-wound element. Diam-eter 136", depth 56". Shaft dia.

3J3098- 24¢ 3J3097-... 24¢

10450 and Stackpole 771 3E3081—List, \$2.50. YOUR

RADOLEK REPLACEMENT

ı			1					1
ı	Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
I	Philco-Continued						N-9	\$0.88
I	70. 70A 70, 70A (AVC)		1824T 203	\$1.47 .59	74-579	\$1.12	DRP114 O	1.47
ı	76, 76A 77,77A		2081 1735T	.88 1.47	1010982 74-579	1.12	X DRP114	.59 1.47
3	80		2087P 279A8 1664	1.18 .88	1020903 24-016	.88 .71 .88	Y-9 G12	.88
1	82, 86, 87 84 89		915	.88	1020904	.71	Y N-9	.59 .59 .88
ı			203 1824T	.59 1.47	1010976	.71	N DRP114	.59 1.47
١	90, 90A, (1-47) 90, 90A (2-45) 90, 90A (2-47) 91 (121) (122)		203 203	.59 .59	1010975 1010981	.71 .71	8	.59
١	91 (226) 95 96, 96A (Nash)		480 479	.88	24-264 72-177	.88	TRP605 N N	.88 .59
	110, AC 236 (Studebaker)						N	.59
ı	111, 111A, 112, 112A 118 14 4		479 203AS 2046P	.88 .88 1.18	72-177 2021907 2221902	.59 .88 1.00	TRP605 TRP605	.59 1.18 1.18
	211, 211A 212, 212A, 212E 220, 220A 270, 270A, 470, 470A		203 479	.59			N N DRP114	.59
-	220, 220 A 270, 270 A, 470, 470 A		1735T 1824T	1.47			DRP114	1.47
	296, 296A Lazy Boy 370, 370A		479 1824T	1.47	75-544	1.18	N	.59
-	490 503 504, 505		203 203AS	.59	1010976	.71	TRP605-9 N-9 TRP605	1.88
	507 511, 512, 513, 514		1.00,				TRP605 G12	.88
	515, 537, 551, 571 570, 570A		1664 1824T	.88			0	.59
-	610 620, 630						N TRP608 N-9	.88 .88
	700, 800, 800 (122) 804						L.	.59
-	RADOLEK COMPANY							
	Marvelo AC6-7, Monroe AC6-7 AC6-7, Keystone AC6-7,		1				1	
	AC6-7, Keystone AC6-7, Marvelo AC8-9, Monroe AC8-9, Marvelo Trio Dy- namie 10, Marvelo Batt. 8, SR248, SR249		1					
1	namic 10, Marvelo Batt. 8, SR248, SR249	V. C.	233\V	0.59	72-108	0.59	D12	\$0.59
١	Marvelo 30, Little Giant 6, Trio Tone Dynamic 9,	v. C	0.70		72-110	.59	Е	.59
1	Trio Tone Dynamic 9, Special T.R.F.7, SR-223 SR-228 7 tube super, SR-229 10 tube super, SR-	V. C.	278 560	.59	72-117	.59	F	.59
	SR-229, 10 tube super, SR- 232 Little Master, SR-231 Compact 5 tube super, SR-				50,005		G(B2)	.59
	SR-224 Little Leader	V. C.	240	.59	52-205 62-110	.88	E	.59
N	SR-230 SR-230 SR-230	V. C. V. C. Tone	242 206	.59	72-122 72-116	.59	Z12 UC 502 E12	.59 .59
II	SR-230 SR-233, SR-234, SR-236, SR-227 Batt, 10970	N. S. V. C.	278	.59	70-204 72-105	.59	N	.59
II	OD 940	Топе	283	.59	72-100	.59	G	.59
II	SR-233, SR-234, SR-236, SR-237, SR-228, 10 tube super (SR-229) 10956,10958	Tone	205	.59	72-117	.59	K12 K (X150)	.59
ı	10953 10967	V. C.					K (X150) L(X400)	.59
I	10962, 10963, 10964, 10968, 10969 10970 SR-227 10963, 10964, 10968, 10969	Tone	242	.59	72-122	.59	I.	.59
I	10950, 10950	V. C. V. C. N. S.			72-121 62-121 72-113	.59 .88 .59	M M-9 G12	.59 .88 .59
	SR-234	N. S.			72-113			- -
П	RCA-VICTOR CO., INC. AR, VI, VII, VIIB, IX R28, R28AC, R30, R30C, R32, Borgla I and II, Tus-	Bias	274	.59	72-118	.59		
		V. C.	274	.59				
	Victor 7-11, Radioia 18, Victor 7-26, R51AC	V. C. V. C. V. C.	402 273	.88		.59	x	.59
ı	9-55, 9-25 9-40	v. c.	205	.59		.59	j*	59
ľ	7-25, Radiola 17, R41, R41DC	V. C. V. C.	401 402	.88	72-100	.59	SRP-145 SRP-144	.88
H	51AC, 51DC R50, R55, R43, RE20, M- 30, RAE-59, RAE-79, 142B 9-18X 9-54, R64, R67	V. C. V. C.	413	.88	72-103	.59	K12	.59
I	9-18X, 9-54, R64, R67 R64, 9-54	V. C. Sen.	405 406	.88	1	.59	SRP-141 SPR-140	.88
	R67 Radiola 33AC, R33DC	Tone V. C. V. C.	203 402	.59	72-100	.59	SRP-133	.59
	R7I.W R7A, R7, R-9, Radiola 1st Superette, R7DC, R9DC,	V. C.	383G	.88	72-110	.59	1	-88
	2nd Superctte RC4, R6	V. C. V. C.	383G 383G	.88	72-109 72-110	.59	SRP-134 SRP-134	.88
		V. C.	382	.88	72-119	.59	I	.59
	R5, R5DC, R5X RC4, R6-A-AC, R8, R10, R12, R19, R23 R7, R7DC, R7LW, R9, R9DC, 1st Superette, R5-	Tone	205	.59	62-117	.88	К	.59
	R9DC, 1st Superette, RE- 20, R50, R55, RAE-59, RAE-79	Tone	379	.88	72-105	.59	N	.59
	R8, R12, R11, R6, R10 RCA-Victor Co.—Con't.	V. C.	385	.88	1210900	1.18	SRP153	.88
,	MON-VICTOR CO. CON T.					_		_

VOLUME CONTROL GUIDE

Electrad Your Centralab Your

Yaxley Your

Receiver	Part	Number	Price	Number	Price	Number	Price
MONTGOMERY WARD 62-96, 62-98 62-104	& Co.—	Cont. 240AS 573AS	\$0.88	62-113 99-006	\$0.88	G7-6 H-6	\$0.59
62-106, 62-107, 62-121, 62-124, 62-129, 62-134, 62-139 62-181 (Sovereign) 181, 187 62-181 (Sovereign) 181, 187 811 (Solo) 111-X (Fantasy) 1522, 1922, 2955, 2957, 11000 (Challenger 1 & 2)	v	208AS 278	.88	62-121	.88.	P D	.59
	Т	206	.59		_	0	.59
62-232 (Troubador), 62-520 3035, 3037, 11000 (Chal- lenger Mod. 1 & 2) 15000 (Collegian) 77, 95 500 (Dictator) 2822, 2827 (Balboa), 2895, 2897 (De Soto) 11000 (Challenger	v V	240	.59	306-002	1,47	G7 TRP602	.59
Nos. 1 & 2)	V	274W	.59	72-118	.59		
811 (Solo), 111-X (Fantasy) 1922 62-1040, 2822, 2827 (Balboa) 2895, 2897 (10e Soto) 3035, 3037, 3065, 3067, 14000 (Commander) 62000 (Cavaller)	V T	573 203	.59			F G7-9	.59
2655 (AE10 New Type)	V	704T	1.47		_	DRP243	1.47
2955, 2957 3065, 3067 14000 (Commander)62000	V V	677	.88	62-114	.88	GG G F7	1.47 .59 .59
PHILCO Chrysler, DeSoto, Dodge Plymouth Police Rec. DP (121-122) G,R Ford DeLuxe 6, B-6, PB-8, 9, 12		2079P	1.18	2221904	1.18	UC512 0-7	.50
1, 2, 3		2082	.88	72-106	.59	0	.59
5 7 (Transitone), 15 8 10 10 (122) 14, 14 (126), 18, 18 (124)		1664 203	.88	72-105	.59	M M-7 TRP 603-6 TRP 605-6 TRP 605	.59 .94 1.18 1.18 .88
16 17 16 (121), 17 (Run 4) 19 19 (128) 20, 20A, 21		2076P 914 1735T	1.18 .88 1.47	2211900 2221903 1210906 74-579	.88 .88 .88	TRP 604 TRP 604 TRP 612 N9 TRP 604 DRP114	.88 .88 .88 .88 .88
22L 23X		203	.59			P	.59
238, 29 30 32, 34, 34A 35, 35B, 36		2083P 479 975T	1.18 ,88 1.47	72-177 4010907	1.18	TRP605 N M CE CE	.59 .88 .59 .59 1.47 1.47
38, 38A 40 DC 41 DC, 42 DC 43 AC 44 45, 45C		279 282 1735T 203AS 203AS 2083P	.59 .59 1.47 .88 .88 1.18	1010980 1010982 74-579 2021908 2021907	.71 .71 1.12 .88 .88	Y A2MP DRP114 O N TRP605	.59 .59 1.47 .59 .59
46 DC, 46 EDC 47 DC 48 DC, 51, 51A, 52 49 50, 50A		2090T 203 201 1823T	1.47 .59 .59	74-560 51-095 51-076 74-559	1.12 .59 .59	A2MP O E12 TRP605 CE Y	.59 .59 .59 .88 1.47
53		832P	1.18	2021904	.88	Y	.59
54 57 60 65		203AS 835P 833P 233W	1.18 1.18 1.59	2101911 2021905 2021001 1010978	.88 .88 .71	P Y N-9 A2MP	.88 .59 .88 .59
Diller Cont on novi oco							

Philipp Cont. on next page

Model

Yaxley Universal "Tapped" Controls

Prices do not include switch or accessories

	Pri	ces ao no	t inciuae switch	or accessories				
Control Number	Ohms Resistance	Tapped at Ohms	Name of Set	Models (Generally Used In)				
TRP600 TRP601 TRP602	6M 30M 63M	2500 6000 3000	Wells-Gardner RCA-Victor Wells-Gardner Montgomery-Ward	60, 63 (Also Guibransen, etc.) RAES4, R78 5E; 62-120, 62-122, 62-126, 62-128, 77,				
TRP603	250Ni	Cen. Tap.	Zenith RCA-Victor	55, 730, 735 320, 321, 322, 327, 340, 341-E, RE-80-81, CRD-9				
TRP604 TRP605	350M 350M	25000 75000	Phileo Phileo	17, 19 10, 14, 18, 28, 29, 45, 49, 91, 118, 144, 503, 507, G10				
TRP606	500M	100000	Zenith Atwater Kent	410, 411, 420, 430, 440, 476, 476A, 770, 775, 780				
TRP607	500M	Cen. Tap.	Stewart-Warner RCA-Victor	126 Chassis, 1261-1269 R37, R37P, R38, R38P, 120, 121, 122, 124, 223				
TRP608 TRP609 TRP610	1 Meg. 1 Mcg. 1 Meg.	200000 Cen. Tap. 20000	RCA-Victor Belmont Grunow	13-71-B Phileo 620, 630 640 650, 651, 660, 661, 750, 751, 752,				
TRP611 TRP612	1 Meg. 2 Meg.	170000 25000	Phileo RCA-Victor	753, 801, 901, 902 16 (121) R51B				
List Price, \$1.50. YOUR PRICE. EACH Note: These Tapped Controls are not limited to use in above sets but are universal.								

Universal Dual Controls

Control		Resis	tance	
Number	Туре	Front	Rear	Used in Number
CE GE GK LL LM MM	H.R. H.R.	100,000 250.000	5,000 10,000 50,000 100,000 250,000 250,000	19, Ant. shunt +cathode bias Ant. shunt & bias or screen con. 20, Ant. shunt +screen control 19, Ant. shunt +cathode bias Audio shunt cont. in P.P. circts 21 Audio shunt cont. in compen con
NN	w.w.	500,000	500,000	31

List Price, \$2.50, YOUR PRICE, EACH \$1.47 EACH

Attachable Switch





Fits all Yaxiey Volume Con-trols. Easily attached. Com-pletely shielded. Listed as Standard by Underwriters' Lablud. Listed as 3F3034—Code 9. Single Pole. Single Throw. List, 50c. YOUR 3F3035-Code 8. Single Pole. Double Throw, List, 60c. YOUR PRICE

3J3028—Code 7 Double Pole. Single Throw, Designed especially for use in battery receivers. List Price, 60e.
YOUR PRICE.......35¢ 3J3029—Code 6 Single Pole. Single Throw. Shallow type for use where space is limited.

List Price, 50c. YOUR PRICE ...



FREE! New Revised Edition Number Yaxley Volume Control Gulde 3F5982-

The most complete manual for Service Men ever published—the first that is authoritatively accurate. You no ed it to simplify your work. You need it to make your work more profitable. Over 60 pages. 8½"x 11" loose leaf binder. Specify your copy of this Yaxley replacement manual on your next order. order

Volume Control

Wrench
Repairs marred or damaged threads. Tightens nuts "in close quarters." Fits control close quarters." bushings and nuts. 313036-YOUR PRICE 12¢

Aluminum Universal Extension Shafts

4" long and ¼" diam. End fits ¼" volume control shafts. RS-242—With å" flat. RS-244—With å" flat. RS-244—With å" flat. YOUR PRICE

Adjustable Mounting Brackets List Price, 20c.

YOUR PRICE. ... 12¢

Popular Special Single Controls

These special units have either mechanical or electrical peculi-arities which make them adaptartities which make them adaptable only to those sets for which they are specified in the New Yaxley Volume Control Guide Controls up to 15,000 chms are Wire Wound. High Resistance Carbon Controls above 15,000 chms.

Control ance in

No.	Ohms,
SRP152	60
SRP138	450
SRP139	550
SRP960	800
SRP223	1,000
SRP141	1,200
SRP185	1,500
SRP144	2,000
SRP145	2,000
SRP133	2,000
SRP160	2,500
SRP142	2,400
SRP134	4,500
SRP901	10,000
SRP961	10,000
SRP153	13,000
SRP221	15,000
SRP250	15,000

List Price Each \$1.50

10,000 13,000 15,000 15,000 YOUR PRICE EACH 88c

SRP900 20,000 SRP174 25,000 SRP245 32,000 SRP158 32,000 SRP188 32,000 SRP150 50,000 SRP154 50,000 SRP170 75,000 SRP251 250,000 SRP962 250,000

SRP213 250,000 SRP226 300,000 SRP179 500,000 SRP216 500,000

W.W. Strip only | List, 50c. SRP239 | 450 | Yeur Price SRP241 | 6,000 | 29 c

Popular Special **Dual Controls**

Control	Resi	stance
Number	Front	Rear
DRP117 DRP115 DRP122 DRP246 DRP222	500 3,800 10,000 32,000 75,000	2,500 3,800 645 50,000 32,000

List Price, \$2.50. \$1.47

Dual Control For R.C.A. Models RC3, R14, R15, RE17,

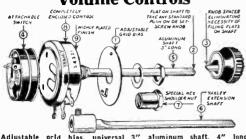
2 and 48
Designed according to the original R.C.A. factory specifications. Exactly fits all of the above R.C.A. receivers and corresponding General Electric and Westinghouse models. DRP-116-List, \$3.00.

PRICE \$1.76

Sprayberry Condenser

Tester Bridge
Special Control
SRP-249-20,000 ohm wire
wound control. Designed especially for the Sprayberry Tester.
List, \$1.50. YOUR PRICE 88¢

Volume Controls



Adjustable grid blas, universal 3" aluminum shaft, 4" long extension shaft, spiral hex shoulder nut, knob spacer, special attachable switch, and completely enclosed control. All of these features are directly responsible for infinitizing the time required for changing volume controls in recoivers.

quired for changing volume controls in receivers.

Adjustable Grid Bias

All wire wound antenna cathode controls having values between 2,000 and 15,000 ohms are equipped with the exclusive Yazlev Stop-Plate adjustment. This feature permits the adjusting of any of these controls to retain a definite lixed resistance section. Adjustable to take any one of 5 positions from 100 ohms to 500 ohms. Where no fixed bias section is needed the Stop-Plate is removed, which allows the control to be turned to zero resistance. Knob, extension shaft and hex shoulder nut are extra. Have Adjustable Bias Feature, W.W.—Wire Wound. H.R.—High Resistance Carbon.

Universal Single Controls

		CI DUI			Controls
Control Number	Type	Resista	nce Taper	Yaxley Curve No.	
Q R S T U	W.W. W.W. W.W. W.W.	2 6 10 20 30	linear linear linear linear linear	IV IV IV IV IV	1, 1, 17 1, 17 1, 17 1, 17
V W X A B	W.W. W.W. W.W. W.W.	60 100 200 500 1000	linear linear linear left left	IV IV IV I	1, 17 1, 17 1, 17 4 4, 5, 7
*C C12 *O *D7 D12	W.W. W.W. W.W. W.W.	2000 2000 3000 3000 3000	right left right left	II II VII I	2, 3 4, 7, 8 2, 3, 9 7, 8 4, 5, 7, 8, 10
*E *E7 E12 *F *F7	W.W. W.W. H. R. W.W.	5000 5000 5000 7500 7500	right left right	VII 1 II VII	2, 3, 9 7, 8 4, 7, 8, 10 2, 3, 9 7, 8
F12 *G *G7 G12 *H	H. R. W.W. W.W. H. R. W.W.	7500 10M 10M 10M 10M 15M	left right left right	IIV	4, 7, 8, 10 2, 3, 9 7, 8 4, 7, 8, 10, 12 2, 3, 9
*H7 H12 Y J K	W.W. H. R. H. R. H. R. H. R.	15M 15M 20M 25M 50M	left left right right		7, 8 4, 7, 8, 10, 12, 16, 18 4, 7, 8, 10, 12, 16 2, 3, 9 2, 3, 9
K12 Z Z12 L	H. R. H. R. H. R. H. R.	50M 75M 75M 75M 100M	left right left left	I 11 ! !	4, 7, 8, 10, 11, 12, 15, 16, 18 2, 3, 9 7, 8, 10, 11, 12, 15, 16, 18 6, 7, 8, 10, 11, 12, 14, 15, 16, 18
M N O P	H. R. H. R. H. R. H. R.	250M 500M 1 Meg. 2 Meg.	left left left left	1 1 1	6, 7, 8, 12, 14, 15, 18 6, 12, 14, 15 6, 12, 14, 15 6, 12, 14, 15 6, 12, 14, 15

List Price, \$1.00. YOUR PRICE, EACH ...

YAXLEY Linear Controls

				Yaxley	Use In
Control	1	Resista	ince	Curve	Circuit Number
	Туре			No.	(See Page 64)
A400P	w.w.		linear		"Mike Control," 9
A 550P	W.W.		linear		4, 9, 10
A1 MP	112 II.		linear		4, 9, 10
*A2MP	W.W.	2000	linear	IV	4, 9, 10
*ASMP	W.W.	5000	linear	1 V	4, 9, 10, 2
YSMP	H. R.	5000	linear	IV	4, 9, 10, 2
*A10MP	W.W.		linear		9, 10, 16
Y10MP	H. R.	10000	linear	1V	9, 10, 16
* A 20 M P	W.W.	20000	linear	1 V	10, 16
Y 25 M P	H. R.	25000	linear	IV	10, 16
Y SO M P	H. R.	50000	linear	IV	10, 11, 15, 16, 3
Y100MP		100000	linear	IV	10, 11, 15, 16, 3, 18
Y200 MP	H. R.	200000	linear	IV	2, 3, 10, 11, 15, 19, 18
Y250 MP		250000	linear	1V	2, 3, 12, 19, 15, 18
Y500 M P					12, 19, 18
Y1000 MP	H. R.				12

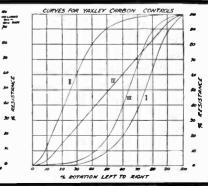
List Price, \$1.00. YOUR PRICE, EACH

59c 20 30 40 40 40 40 704 S ROTATION LEFT TO RIGHT

RADOLEK REPLACEMENT

KWOB SPACER	Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
ELIMINATING NECESSITY OF FILING FLATS ON SHAFF	MONTGOMERY-WARD & CO. (Airline)				T2 10"		.,	50.50
3	8. CO. (Airline) 7D, 17, (1932) 7D, 26P AE10	T T V	203 704T	\$0.59	72-105 74-509	\$0.59 1.47	UC502	\$0.59 .59
	AEII	Ÿ	205AS	.88	14-909	1.47	A400P	.59
	W11 13, 15, 16, 16X, 17, (1933) 18, 18X, 20W, 27W, 62, 030 17 (1932)	Ÿ	240	.59	62-113	.88	G7	.59
C YAKLEY		T	208	.59	72-121	.59	M	.59
EXTENSION SHAFT	22, 62-080, 6 2-090 WG24	V V V V	573 240	.59			G12	.59
*	26P, 26PX, 62-1040 26-030, 26-367 29W	ÿ	952P	.88			TRP600	.88
aft, 4" long pacer, special All of these	49, 62-005, 62-060 (Challenger Jr.) 1922 51, 62010, 62-020	V V	240 279	.59	72-111	.59	G7-9 Y25MP	.59
the time re-	62-020 (Type 1)	V V	573	.59	79-006	.59	D	.59
alues between	62-040 (Commodore) 62-078	T					H7	.59
iusive Yaxley adjusting of stance section.	62-1, 62-2 62-1, 62-2, 62-7, 62-8	V T V V T	282W 242 242	.59 .59 .59	72-122 72-122	.59 59	L-9 L	.59
he Stop-Plate rned to zero nut are extra.	62-3, 62-6, 62-7 62-7, 62-8, 62-9 62-3, 62-6, 62-9 62-11, 62-12, 62-14 (Gren- adler) 62-19, 62-27 (Type	Y Y T	573AS 573AS	.88	99-006 99-006 72-102	.88 .88 .59	H-9 Y	.59
ols	8der) 62-19, 62-27 (19)6 No. 1) 62-020, 62-29, (Type No. 1) 62-11, 62-12, 62-14, (Gren- adler) 62-19, 62-27, 62-29,	v v	234W 573	.59 .59	79-006	.59	Y5MP H	.59 .59
e lu Number	(Type No. 1) 62-21	V	203	,59	72-105	.59	N	.59
Page 60)	62-11, 62-12, 62-14, (Grendler) 62-19, 62-27 (Types No. 1 & 2) 62-13, 62-15, 62-18, 62-21, 22-29 (No. 182) 62-38, 62-40, 62-45, 62-47, 62-50, 62-70, 62-72, 62-90	т	203	.59			UC502	.59
	38, 62-40, 62-45, 62-47, 62- 50, 62-70, 62-72, 62-90	Т			72-121	.59	Y200MP	.59
	62-34, 62-36, 62-38, 62-40 62-46, 62-50, 62-93, 62-103 62-105 62-114, 62-116, 62-1838	V	206AS 206	.88	62-116	.88	0 0	.59
	1238, 1238X, 1355 (Min- strel) 62-23	V	206	.59			O DRP241	.59 1.47
0	62-34, 62-36, 62-41, 62-46 62-51, 62-53, 62-54, 62-64, 62-71, 62-74, 62-75, 62-118 62-134, 62-136, 62-138, 62- 139, 62-1838, 123, 131, 133, 142, 144, 1238, 1238X	Т					UC502	.59
	62-41, 62-52, 62-67, 62-75 62-76, 62-80, 62-82, 62-83, 62-97, 62-97X, 62-99, 62- 99X, 62-101, 62-101X, 62- 136, 62-138	V	203AS	.88	62-105	.88	N	.59
12	62-135, 62-150, 62-154, 123, 131, 133, 142, 144 62-43, 62-57, 62-92	V			62-105	.88	N-9	.59
12, 16, 18 12, 16	69.45	V V	949	.88			H7 G12	.59
12, 16	62-49, 62-69, 62-79 62-84, 62-88, 62-94 62-49, 62-68, 62-88 62-49, 62-68, 62-88	V T Supp.					M L F	.59 .59
11,12,15,16,18 12, 15, 16, 18 11, 12, 14, 15,	62-51, 62-64, 62-64X 62-140, 62-140X, 62-148, 62-148X 62-51, 62-64, 62-64X	V Supp.	for the course of the				Z12 E	.59
14, 15, 18 5	62-51, 62-64, 62-64X 62-67, 62-69, 62-79, 62-80 62-93, 62-84, 62-93, 62-94 62-47, 62-70, 62-72	n V					K12 G12	.59
59c	62-97, 62-97X, 62-99, 62- 99X, 15000 (Collegian) 62-71, 62-74 62-81 62-86X	T Supp. V Hum			72-117	.59	K12 SRP271 Y Hu 20	.59 .88 .59

62-81 62-86X 62-89, 62-132, 62-13**7** 206AS Ward-Con't. on next page Montgomer.



.88 62-116

COLUME CONTROL CHID

AOTOW	E C	UR	11.	KU	L	ALL	L	_		nent	
Mode	1	Irlant and	V	Controloh	lv	l Vaylor	Your	With Wire wou	_	Shafts-	/ n
Mode Receiver	Part	Electrad Number	Price	Centralab Number	Price	Yaxley Number	Price	ance type	. Carbo over 10.0	n resist≠ 100 ohms.	E
GRIGSBY GRUNOW—C 290 series. 310A, 310B, 311,	on't.			00.117		77.10.0	\$0.88	A new h	igh quali ment vol	ty series	Sta
314, 315 77, 300 series, 320 series, 330 series	Tone Tone			62-11 7 62-121	\$0.88	K12-9 M9	.88	trols mad of the ole variable	jest and	ioremost	Con
	V. C.		-	51-123*	.88	M-9	.88	facturers Both wire bon types pate 2 wi	in the	industry.	Les
340, 344, 360, 363, 390, 393 340, 344, 360, 363, 390, 393 370, 371, 373	Tone V. C. V. C.	904PG	\$1.18	62-121 62-119 2111906*	.88	M-9 Y-9(X250) K12-9(X250)	.88 .88	bon types pate 2 wa	will safe	ly dissi- e wound	PRI
380, 381 400, 411, 411A, 413, 413A	v. č.	904PG	1.18	37-006*	1.18	Y9(X250)	.88	constant 1	ension p	hosphor t	ronze
460, 67, 68, 69, 161, 196, 461, 463, 666, 776, 886, Ritz, Century 6, Master 6,		1						spring co carbon ty: signed con	pe has i		y de-
Divorio	Tone			62-121	.88	м	.59	tapered p	hosphor	bronze f	ingers
460, 67, 68, 69, 161, 196, 461, 463, 666, 776, 886, Ritz, Century 6, Master 6, Lldo Park Ave., Ritz;	10			04 141			1	to insure	quiet wear. A	operation phosphor b	anc
Ritz, Century 6, Master 6, Lldo Park Ave., Ritz; Riveria	V. C.	889	.88	72-120	.59	M-9	.88	shoe rides segment t center lug	erminatin	separate k resistar ontrols ar	nce to
Activeria	v. c.	902	.88	1010107*	.88	M	.59	tentiomete	r type.	Use cente	r and
490, 491, 493 500, 55, 59, 75, 195, 560, 566 (A.CD.C.)	y. c.	901P	1.18	62-121 23-129*	.88	M-9 M-9	.88				_
600 800 800	V. C. V. C. Tone	901P	1.10	72-121 62-121	.59	M M•9	.59		4	C·I	Co H Um
HOWARD PADIO CO			10					000			
135, 395, 445, 470, 490 SCA, SG, "C" "O" Super SGT, SGB, 35-	V. C. V. C.	1		74-620* 74-601	1.47	GK G	1.47	9 -		1	
A. C. Green Diamond 8, 210	v. c. v. c.	201 179	.59 .88	70-205 (72-117) 72-101)	.59	H K	.59	60	R		9
35A, A. V. II, A. V. O, 45,60	v. c.	203	.59	72-101 f 62-105	.59	N	.59		CI	ard	verts Ra
20, 25, 30, 32 10T	V. C. V. C. V. C.	201 201	.59	72-113 62-114	.59	G	.59	હ	9	sul)	swi stitut unde
420 (1st type) L.M. chassis 420 (1st type) L.M. chassis	N. S.	203	.59	72-105 62-105	.59	M Y250MP-9	.59	cover for proved sw	itch.	er. C-II	unqe
420 (1st type) L.M. cbassis J-3 Compact	Tone V. C.	201	.59	62-132 52-205	.88	K G-9	.59	3E3450 List, 50c.			
X-2, X-3, X-8, Z-4 S-2, S-7	V. C. V. C. V. C. V. C.	910P 910P	1.18	62-105 72-105	.88	N-9 O	.88	YOUR P			
H Chassis (35-40) 400-K	V. C. V. C. N. S.	278 203	.59	72-114 72-105 72-114	.59 .59	G 12	.59	C	ircuit Nu	e Number mbers Re	fer to
400-K 400-K	Tone			62-132	.88	P	.59	Resist- ance	Without	Number With	Tap
"O" super, 35A, AVO, 420- LM, Model R, A.V.H. Super	Tone V. C.	205	.59	62-117 70-205	.88	K	.59	Ohms 10	Switch 3E3451	Switch 3E3451S	Un
Ex. Dual Range Ex. Dual Range 135 D. C.	Tone V. C.	203	.59	62-105	.88	K12-9 E12	.88	20 30	3E3452 3E3453	3E3452S 3E3453S	Un
135 D. C. Chassis "Q"		<u> </u>		72-105	.59			50 100 200	3E3454 3E3455 3E3456	3E3454S 3E3455S 3E3456S	Un
RADIO CO. (Kadette) CS. J. TS. T. JS	V. C.	240	.59	62-113	.88	G	.59	400	3E3457	3F3457S	Un
K40, Regal (M.) J. JS AW55	V. C. Tone	240 205 201	.59 .59	62-113 72-117 99-006	.88 ,59	F H-9(B2)	.59	800 1,000	3E3458 3E3459 3E3460	3E3458S 3E3459S	il Un
KS KS	V. C. V. C. Tone	560 240	.59	52-205 72-100	.88	G-9(B1)	.88	2,000 3,000	3E3461 3E3462	3E3460S 3E3461S 3E3462S	Un Un
F Kadette Jr. (types 3 & 4)	y. C.			72-116	.59	O P	.59	4,000	3E3463 3E3464	3E3463S 3E3464S	Un Un
F Kadette Jr. (types 1 & 2) A B Kadette A B Kadette	V. C. V. C. V. C. Tone	798P 799	1.18	72-132 62-121 72-117	.88	M-9(X250) K	.88	5,000 5,000 6,000	3E3465 3E3466	3E3465S 3E3466S	L. Un
DA-8, DA-9, DA-10, D-11, D-12, D-14, ES-19, ES-20	V. C.					M-9 K12	.88	10,000 10,000	3E3467 3E3468	3E3467S 3E3468S	L.
ES-19, ES-20 KENNEDY CORP.,	Tone					112		15,000 20,000	3E3469 3E3470	3E3469S 3E3470S	i I.
COLIN R	V. C. V. C.	283	0.59	76-008*	1.47	g.,	0.59	25,000 25,000	3E3471 3E3472	3E34715	Un L
Royal, 10, 20, 12S.G. 30, 32, Short Wave, 826-B 44, 48, 50, 34	I V. C.	205 240 240	.59 .59	72-114 72-114	.59 .59	G12 G12 G12-9	.59 .59		3E3473 3E3474	3E3473S 3E3474S	-
42 56 26, 34, 36, 38, 40	V. C. V. C. V. C.	446PG 479T	1.18 1,47	72-114 72-114 74-602	1.47	GK	1.47	100,000	3E3475 3E3476	3E34755 3E34765 3E34775	R. L.
52, 52A	V. C.	450G	.88	72-114	,59	G K12	.59	200,000 250,000	3E3477 3E3478	3E34789	1
52 A 164B 55	V. C. V. C.	447P 573 240	1,18 .88 .59	62-117 52-205 62-113	.88 .88	G-9(B2) G-9(B2)	.88	1,000,000	3E3480	3E34805	i.
62, 62D, 62A, 66, 66A, 66B, 64-C, 63, 63A, 563A, 882	v. c.	2033	.88	62-105	.88	N	.59		Cart	er Mi	ide
22, 26, 40, 30, 32, 48, 52, 56, 62, 62A, 164B, 764B, 56, 882, 64-C, 66, 66A, 66B, 48								T	pe M I	Dissipate	es 1
882, 64-C, 66, 66A, 66B, 48 K1323	Tone V. C.	205 619T	.59 1.47	72-117	.59	К	.59	Ideal for where sp			
KOLCTER BARIO INC								potentiom compact. stat is 1	eter and Precision	rneostat n-built. '	wire-
(Also see Columbia) K20, K22, K25, K27, K28, K30, K32, B10	v. c.	201	.59	72-102	.59	Y.	.50	is 1% in panel % on panel	nches in inch. M	diameter.	Pro
K42	V. C. V. C. V. C.	201 201	.59		1.47	Y-9	.88	1/4 inch	ilameter -	r ¼ inc and exten	h thi
K70, K72, K80, K82, K90, K92	V. C.	201	.59	62-115	.88		.59	knob ine			_
K43 K45	V. C. V. C. V. C. V. C.	670T 279	1.47	76-006*	1.47	J	.59 .59			ntiomete	r
950, 961 K60, K67 K63, K-73, K-83, K-93, K-103	v. C.	201 234	.59	72-100 62-110	.59	A5MP	.59	Stock Number	Ohms N	umber C	hms
	V. C.		-	62-115	.88		59	3F3413 3F3414	6 3 10 3	F3418 F3419 F3420	400 500
100 series K133, K143, K113, K123 K110, K112, K120, K122	V. C. V. C.	242 614P	1.18		.88		.59	3 F 3415 3 F 3416 3 F 3417	15 20 200 3	F3420 F3421	1000 1500
K110, K112, K120, K122, K130, K132, K140, K142 K114	V. C.	614P 615	1.18	62-105 72-105	.88		.88	List, Ea	ch 50c.	2	8¢
					-			YOUR I	RICE .	省	4

New RADOLEK Replacement Volume Controls

With Long Shafts-Insulated

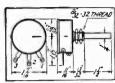
With Long Shafts—Insulated

Wire wound type up to 10,000 ohms. Carbon resistance type over 10,000 ohms.

A new high quality series
of replacement volume controls made for us by one Radolek
of the oldest and foremost
variable resistance manufacturers in the industry.

Both wire wound and carpon types will safely dissipate 2 watts. Wire wound PRICE
type precisely wound on fibre with
canstant tension phosphor bronze
spring contact. High resistant
carbon type has ingeneously designed contact consisting of three
tapered phosphor bronze tingers
which contact the element directly
to Insure quiet operation and
minimum wear. A phosphor bronze
shoe rides on a senarate bross
segment terminating resistance to
center lug. All controls are potentiometer type. Use center and
one outside terminal when rheostat is required.





Control With Switch

C.H Umderwriters' approved snap switch List, \$1.75. YOUR

Snap-On Switch

Converts any Standard Radolek control into switch type by substituting switch C-H underwriters' ap-



Taper Curve Numbers Refer to Graph on Page 57. Circuit Numbers Refer to Diagrams on Page 60.

District	Musshar	Number		Taper	
Resist-	TAUIIIDGI	TA HILLDER	Toper	Curve	Used in
ance	Without		Taper		
Ohms	Switch	Switch		Number	Circuit Number
10	3E3451	3E3451S	Unif.	1	l 1
10					l î
20	3E3452	3E3452S		ļ ķ	1 1
30	3E3453	3E3453S	Unif.	1 1 1	I
50	3E3454	3E34545		1	l 1
				i	l ī7
100	3E3455	3E3455S			l î7
200	3E3456	3E34565	Unlf.	1	17
.,00					
400	3E3457	3E3457S	Unit.	1	9, 17, 20
				1	0 17 50
600	3E3458	3E34585	Unif.	1 1	0, 17, 20
800	3E3459	3E3459S	Unif.	1	9, 17, 20
	3E3460	3E3460S	Unit.	1	9, 17, 20
1.000				i	9, 17, 20 9, 17, 20 9, 17, 20 9, 17, 20 4, 9, 17, 19, 20
2,000	3E3461	3E34615			4 0 10 20
3.000	3E3462	3E3462S	Unif.	1	4, 9, 19, 20
0,000					
4.000	252462	3E3463S	Unit.	1 1	4, 9, 19, 20
4,000	3E3463			1 1	4 0 10 20
5,000	3E3464	3E3464S		1 1	4, 9, 19 20
5,000	3E3465	3E3465S	L. H.	5	4, 9, 19 20
0,000	3E3466	3E3466S		1	4, 9, 19, 20 4, 19, 20
6,000				5	4 19 20
10,000	3E3467	3E3467S		1 1	4, 9, 10, 11, 19, 20
10,000	3E3468	3E3468S	Unit.	1	4, 9, 10, 11, 19, 20
10,000		-			
15.000	252460	3E3469S	L. H.	3	5, 7, 8
15,000	3E3469		17. 11.	1 2	6 7 8
20.000	3E3470	3E3470S		ا ا	9, 1,0,.
25,000		3E3471S	Unif.	1 1	4, 10, 11
25,000	3E3472	3E3472S		3	1 5, 7, 8
		3E34735		3 1 3 3	5, 7, 8 4, 10, 11 5, 7, 8 5, 7, 8
30,000	3E3473			1 9	1 7 96
50,000	3E3474	3E34745	Unif.	1	4, 20
EF 000	252475	3E3475S	R. H.	2	2, 3, 18, 19
75,000				a a	6, 12, 13, 15, 16, 21,
100,000	3E3476	3E34765	L. H.	9	0, 12, 10, 10, 10, 21,
200,000		3E34775	Unif.	1 1	14
		3E34785		6 1 6	6, 12, 13, 21
250,000				6	6. 12 13. 21
500,000	3E3479	3E34795	17. 11.	6	6, 12, 13, 21 12, 13, 21
1,000,000	13E3480	3E3480S	L. H.	0	114, 10, 41
-,000		_			

Carter Midget Controls

Type M Dissipates 1 Watt

Iype M Dissipates I Watt
Ideal for test instruments, small receivers, etc.,
where space is limited. Available in both
potentiometer and rheostat types. Extremely
compact. Precision-built. Wire-wound. Rheostat is 1% inches in diameter. Projects back of
panel 1/4 inch. Mounts in single % inch do
n panels not over 1/4 inch hitek. Shaft is
1/4 inch diameter and extends 1/4 inches. No
knob included.



Midge	et Po	tentiome	ter	Mi	dget	Rheosta	t
Stock	10.	Stock	Ohms	Stock Number	Ohms	Stock Number	Ohms
Number 3F3413 3F3414 3F3415 3F3416 3F3417	6 10 15 20 200	Number 3F3418 3F3419 3F3420 3F3421	400 500 1000 1500	3F3403 3F3404 3F3405 3F3406	3 6 10 15	3F3407 3F3408 3F3409 3F3410 3F3411 3F3412	20 25 30 40 50 75
List, Ea			28¢		ce, 50	,	28¢

Exact Replacement Volume

for



Exactly duplicates the electrical and physical specifications of the original controls used in Majestic Receivers.

Majestic Chassis Number	Majestic Model Number	Majestic Part Number	Cen- tralab Number	Your Price
70, 70-B 180 90, 90-B 90, 90-B, 100 100-B	71, 72 181 Combination 90, 91, 92, 93 91, 92, 101, 102 103	105 164 559 393 393	72-180 74-561 70-063 78-007 78-007	\$0.88 1.47 .88 .88
100 100-B 130-A 230-A	101 Combination 102, 103 130, 131, 132 233 Combination	771 1714 809 1316 5802	74-562 25-421 72-181 74-563 55-031	1.47 1.47 .88 1.47 1.18
45 Tone 50 30 20 60, 160	51, 52 31, 230-A 21, 22, 23 61, 62, 163	5803 3169 3638 3899 4098	41-081 74-523 75-537 2-011-908 72-073	.88 1.47 1.76 1.18 .88
155, 160 Phono. 15, 150 15-B 15, 55, 150 Tone	151, 153, 154, 156 155 56, 57, 58	4390 8394 5434 5464 5214	51-015 55-010 55-010 55-010 41-060	.88 1.18 1.18 1.18
15-B Tone 25 25 25 25 Tone 25 Tone	251, 253 254 Early 251, 253 254 Early	5435 5316 5316 5635 5635	41-070 55-014 55-014 41-065 41-065	.88 1.18 1.18 .88 .88
25-B 25-B Tone 35 35 Tone 55	251-B, 253-B, 254-B 251-B, 253-B, 254-B 351, 353 351, 353 56, 57, 58	5587 5634 5723 5743 4682	2-011-910 41-065 62-041 41-085 55-010	1.18 .88 1.18 .88 1.18
140-A 140-A 200 200 Tone 210 210 Tone	201, 203, 204 201, 203, 204 211, 214, 215 211, 214, 215	3473 6284 6285 6286 6115 6157	74-530 74-530 72-156 52-032 72-155 52-031	1.47 1.47 .88 1.18 .88 1.18
220 220 Tone 260 290, 300, 300-A 310-A, 310-B	221, 223 221, 223 77, 291, 293, 294 303, 304, 307, 311 314, 315, 321, 336	6585 6586 8061 7236 7236 7236	72-163 52-035 62-064 1-010-961 1-010-961 1-010-961	.88 1.18 1.18 .88 .88
290, 310-A 310-B Tone 300, 300-A, 320 330 Tone	291, 293, 294, 311 314, 315 77, 303, 304, 307 324, 321, 336	7235 7235 7316 7316	33-015 33-015 33-036 33-036	1.18 1.18 1.18 1.18
340, 360, 390 340, 360, 390 Tone 370 380 400 400	344, 363, 393 344, 363, 393 371, 373 381 411, 411-A 413, 413-A	9006 9005 9231 8759 9663 9663	51-123 33-056 2-112-901 62-103 37-006 37-006	1.18
120 120-B 110 111	121 123 Auto Auto	4762 7960 5072 7741	74-548 74-558 72-088 30-017	1.47 1.47 1.18
114 116 66 66 Tone 440	Auto Auto Auto Auto	8695 9825 10003 10004 10557	62-121 28-046 2-011-093 1-010-111 2-111-037	.88 .88 1.18 .88 1.18
460 460 Tone 490 500 570		10183 10242 10664 10868 12041	1-010-962 2012900 1-010-107 2012901 1-010-108	.58 1.18 .88 1.18
570 Tone 600 800 800 Tone		12040 11535 11016 11015	2-012-020 33-129 1010965 2011912	1.18 1.18 .88 1.18

Exact Replacements for Majestic

Majestic Models 90, 90B, 91, 92, 93, 75,000 ohm volume control. RI-202. List. \$1.00. 59¢

Majestic Models 70, 70B, 71, 72, 10,000 ohm volumo control. RI-240. List, \$1.00. 59¢

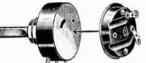
EK DEDI ACEMENT

RADOLI	EK	RE	P	LAC	E	MEN	IT
Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your
GENERAL MOTORS							
AC6, AC6 Jr., 6, 6B 8AC, 5077, 5088	V. C. V. C. V. C.	204 W 201 201	\$0.59 .59 .59	72-102 70-204	\$0.59	9	\$0.59
25, 26, 27, 28, 43, 48, A-5010, 5003, 5004, 5091 DC6,32DC,5053,5065,5066	v. c. v. c.	201 234 W	.59 .59	72-122 72-111	.59 .59	K12 J	.59
5057, 5060 A5005, A5020 120, 130, 140 Chassis A & B	V. C. V. C. V. C.	234W 205 567T	.59 .59 1.47	72-111 72-103 74-514*	.59 .59 1.47	Y K12 SRP270	.59
170 A. Chas. B. Chas. 110, 180, 190, MA, Little	Tone	206	.59	70-019	.88	K12	.59
General	V. C.			74-535*	1.47	GG	1.47
250 Little General 110, 180, 190, MA, MB, Little General 216,217,219, 250, S1A, S1B	V. C. Tone V. C. V. C.	1387 111P	.59 1.18	62-117 72-117 62-103	.88 .59 .88	G12 K-9	.59
Little General 216,217,219, 250, S1A, S1B 251-S2A, 251-S2B 252, 253, 254, 255, 256, 257, 258 (S-3A-3B)	v. C.	156P 156P	1.18	62-11 4 72-12 2	.88	G9 G-9	.88
292-84A, 293-84B 220-810A, 220-810B 200E 2, 201E2 21189A, 21189B 200E-2, 201E-2	V. C. V. C. V. C. V. C. Tone	132P 255I' 205 236P	1.18 1.18 .59 1.18	52-011* 62-115 62-103 62-103 72-117	.88 .88 .88	G9 J Y25MP K12-9 O	.88 .59 .59 .88
281-R1A Converter 5051 216, 217, 219, 250 252, 253, 254, 255, 256, 257.	V. C. V. C. Tone	111P	1.18	74-552* 62-103	1.47	G12 L L	.59 .59
252, 253, 254, 255, 256, 257, 258 S11D	Tone V. C.	131	.88	62-117	.88	L	.59
GRAYBAR ELECTRIC See R. C. A. Comparison chart on page 67.							
GRIGSBY GRUNOW							
Co. (Majestic) 70, 70B, 71, 72 100, 101 comb. 90, 90B, 91, 92, 93 100B 80	V. C. V. C. V. C. V. C. V. C.	240 1809T 202 715T 201	.59 1.47 .59 1.47 .59	72-180* 74-562* 70-063* 25-421* 72-100	.88 1 .47 .88 1.47 .59	G12 ORP222 Z Z	.59 1.47 .59 .59
90, 90B, 91, 92, 100, 100B, 101, 102, 103, 180, 181, 321 180, 181 130, 130A, 131, 132 230A	Equa- lizer V. C. V. C. V. C. V. C.	1688 1809T 438 739T	.88 1.47 .88 1.47	78-007* 74-561* 72-181* 75-537*	.88 1.47 .88 1.76	SRP160 DRP222 B	.88 1.47 .59
20, 21, 22, 23	1	1513PG	1.18	62-113	.88	A5MP-9 {DRP-122-9} +RS-242 }	.88
30, 31 50, 51, 52	V. C.	1741TP	1.76	75-537* 74-523*	1.76	DRP122	1.91
60, 61, 62, 160, 163 15, 15B, 150, 151, 152, 153, 154, 155, 156, Castlewood, Ellswood, Fyfewood, Hav- enwood, Sherwood.	V. C.	441	.88	72-073*	.88	SRP-223	.88
enwood, Sherwood. 25, 1st Brentwood (253)	V. C.	440PG	1.18	55-010*	1.18	G	.59
1st Cheltenwood, (251) 1st Brucewood (254) 15, 15B, 150, 151, 152, 153, 154, 156, Ardmore, Berk- shire, Castlewood, Ells- wood, Havenwood, Sher-	y, c.	444PG	1.18	55-014*	1.18	F-9(B1)	.88
wood, Viking, Fylewood.	Tone	553	.88	41-060*	.88	K12	.59
25B, Cheltenwood (251), Brentwood (253) Bruce- wood (254) 25, 1st Brentwood, 1st Cheltenwood, 1st Bruce- wood, 25B, Cheltenwood	v. c.	715 T	1.47	55-014*	.88	F	.59
wood, 25B, Chellenwood (251) Brentwood (253) Brucewood (254) 35, Abbeywood (353), Col- lingwood (351)	Tone	242 278	.59	41-060*	.88 1.18	L F12	.59
35, Abbeywood (353) Col-	V. C.			2011910*			
lingwood (351) 55, 56, 57, 58, Ardmore, Berkshire Viking 110 Auto 114 Auto	V. C. V. C. V. C. V. C.	555 440PG 242	1.18 .59	72-113 55-010* 72-088*	.59 1.18 .88	G 12 G 1, M	.59
111 Auto 116 Auto	V. C. V. C. V. C. V. C.	-	—	30-019* 30-017* 28-046*	.88	M	.59
66 Auto 66 Auto 118 Ford Auto Radio	V. C. Tone V. C. V. C.	903P 982	1.18	2011093* 1010111* 1010983*	1.18 .88 .88	M K12	.59
120, 121	V. C.	1880T	1.47	74-548*	1.47	GG	1.47
200, 201, 203, 204, Sheffield, Fairfax, Explorer 200, 201, 203, 204, Sheffield, Fairfax, Explorer	v. c.	549	.88	72-105	.59	N	.59
Fairfax, Explorer 210, 211 214, 215, 220, 221, 223, Whitehall, Stratford,	Tone	550P	1.18	62-117	.88	K12-9	- 88
223, Whitehall, Stratford, Croydon, Collingwood, Ab- beywood 210, 211, 214, 215 220, 221, 223	V. C. Tone Tone V. C.	551 552P	.88 1.18	72-121 62-123 62-117 62-121	.59 .88 .88	M L-9 K	.55
290 series, 300 series, 310A, 310B, 311, 314, 315, 320 series, 330 series, 77	v. c.	208	.59	72-121	.59	М	.59

WALLIME CONTROL CILINE

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price
FADA RADIO AND ELE 2nd 45, 2nd 45Z, 51, 53, 57,	CT. CD	RP.—Co	n't.				
KO, KC 55(RG)	V. C. V. C. V. C.	560 240 279	\$0.59 .59 .59	52-205 52-205 72-111	\$0.88 .88 .59	G12-9 Y	50.88 .59
66 (KY) 73, 85, (RE) 74, 76, 83, 88, 89(RA) 74, 76, 83, 88, 89(RA)	V. C. neon	203 241	.59 .59	62-116	.88	O-9	.88
75, 77, 2nd E 78, 79(RC) RL103 KB81, KB82, KB84, KB86 RN105, RN106, RN107, RX93, RX95, RS112, RY	V. C. V. C. V. C.	279 1848T 203	.59 1.47 .59	72-168* 62-116 62-113	.88 .88 .88	NN G12-9 O-9	1.47 .88 .88
	V. C.	824P	1.18	62-116	.88	0-9	.88
RU131, RU132 RW.133, RW.134, RW.135 NA RW.133, RW.134, RW.135,	V. C. V. C. V. C.	820P 822P 823P	1.18 1.18 1.18	62-116 62-116 62-116	.88 .88	O-9 O-9	.88.
NA RU131, RU132 NF RS112 8F50-80A, 480A, 460A RW133, RW134, RW135	Tone Tone Tone Tone V. C. Neon	825 827 826 204W	.88 .88 .88	72-121 72-122	.59 .59	M L L G12 R M10MP	.59 .59 .59 .59 .59
	******					1-110	
FREED TELEVISION AND RADID CDRP. NR60, NR57, NR70, NR- 78DC, NR79DC, NR60DC NR55, NR56, NR56DC, NR56DC,	v. c. v. c.	203 1748T	.59 1.47	72-116 74-506*	.59 1.47	M	.59
NR908 NR95A.C. NR78A.C., NR79A.C.	V. C. V. C. V. C. V. C.	1833TG 208	.59	74-506* 70-202	.59	Ј К12 К	.59 .59
NR80A.C., NR80D.C., NR85A.C., NR85D.C. 51D.C., 58A.C., FE63D.C.	V. C. V. C.	{1891} (Strip)	.25	70-204 62-119	.59	G Y	.59
NR80A.C., NR80D.C., NR85A.C., NR85D.C. 51D.C., 58A.C., FE63D.C. 58 A. C. 54, 56, 69 MB5, 98	Tone V. C. V. C.	557 240 573 A S	.88 .59 .88	72-117 52-205 52-205	.59 .88 .88	K12 G H9	.59 .59 .88
91D.C., 92, 99D.C. 72, 74, MB7 MB-9, 90 72, 74, MB7, MB9, 90 98, 99D.C.	Y. C. Y. C. Y. C.	573 AS 573 AS 573 AS	.88	52-205 52-205 52-205	.88 .88	H12 G12-9 G12	.59
72, 74, MB7, MB9, 90 98, 99D.C. NR7, NR8, NR9, NR10,	Tone Tone	01040	.00	52-205 72-117 72-122	.88 .59 .59	K K	.55
NR7, NR8, NR9, NR10, NR12, NR20, NR40, FE- 15, FE18, NR800	v. c.	204W	.59			R	.59
346-4, 354, 365, 369, 365, 365-X, 360-X 367X, 366SW 464	V. C. V. C. V. C.	240AS 2013P 2014P	.88 1.18 1.18	62-113	.88	G12	.51
FRENCH AND SDNS,	247/24	122	-		50		
8-A.C., 5093 K24, 25, 27, 288G Roceiver Midget, Jr. H-1 Jr. G H 2 Pentode H 2 Jr.	V. C. V. C. V. C. V. C. V. C. V. C.	201 201 1714TP 1745TP 240 201	59 59 1.76 1.76 59	72-103 75-507* 75-507* 62-113 52-205	1.76 1.76 1.76 .88	H LM DRP-119-9 G-12 G-12	1.4 1.7 1.7
U 1 Super	V. C. V. C.	232	59	62-101	.88		-
H2D.C. H-2 Jr. 8-2 U 1 8-2	Tone	201 206 205	59 59 59	72-116 72-117 52-205	.59 .59 .88	E-12 O K12 DRP-119-9	.5 .5 5
87 520	V. C. V. C. V. C.	202 203	.59 .59	02-200		D444	
FRESHMAN RADIO CORP. G60, H, K, L, L8 3Q-15-16, N12-17, 2N, OD-16-8	v. c.	203	.59	72-105	.59	N	.5
Geo. H. K. L. LS 3Q-15-16, N12-17, 2N, QD-16-8 2H, M, G	V. C. V. C.	203 201 201	.59	41-200*	.88	G-12	.5
21 A. C., 22	V. C.			25-416*	1.47		-
21, 24, 31, 33D.C. 31, 32, 33 31, 32, 41A.C. Masterplece, Equaphase	V. C. V. C. V. C. V. C.	1833TG 202 204	1.47 .59 .59	72-121 70-202	.59	R	.5
GALVIN MFG. CO. (Motorola)							
Motorola 810 Motorola J8 Motorola 7-T-38	V. C. V. C. V. C.	958P	1.18	72-104	.59	K(B4) K(X150) L	.5 .5
6-T-12-PI., Split Case Motorola 5 tube Series 77A, B, 7-T-47A, 88,	v. c.	202	.59	70-936*	.88	М	.5
Series 77A,77A (Series B)66	V. C. Tone	959P	1.18			Ľ	.5
GENERAL ELECTRIC CDMPANY See R. C. A. Comparison Chart on Page 67							
GENERAL HDUSEHOLD UTILITIES (Grunow) 500, 670, 671, 1151, 1152 700, 701, 801	y. c.	206-AS	.88	62-116	.88	0-9	.8
700, 701, 801 501 901, 902, 1101, 1151, 1152	Tone V. C. Tone	203	.59	72-117 62-105 72-116	.59 .88 .59	M N-9	1 .5
1101 502, 503	v. C. v. C.	999 999	.59 .59	72-132	.59	р G12	.5
750 660 Chassis 6A, 6C 11019-B-2A	V. C. V. C. V. C. Tone	894	.59	2211902* 2211901*	.88	TRP610	.5

New ELECTRAD Replacement Volume Controls



With Long Aluminum Shafts

Moulded Bakelite Cases.

Smooth, Stepiess, Noiseless Resistance Variation.

Smeoth, Stepless, Noiseless Resistance Variation.

A newly designed Electrad development based on an improved principle. The high resistance controls utilize a perfected graphite resistance element baked at high temperature on to a solid bakelite ring. Impervious to humidity. Contact shoe of special alloy is self-wiping. Smoothness and quietness increases with use. Wire wound types are wound on a fibre strip. Housed in moulded bakelite case ½" thick, 1½" dia., with metal end cover and long ½" dia. aluminum shaft. Shat insulated—may be mounted on metal panels. New type convertible power switch (described below) may be readily added.

Snap-on Switch

Underwriters approved. Attached by single screw. Converts any plain Standard Electrad con-trol to switch type control.

3F3030-S.P.8.T.29¢ YOUR PRICE

Standard Electrad Volume Controls Without Switch

Specify control number when ordering. See the Radolek Volume Control Guide for an alphabetical listing of Receiver Manufacturers with the corresponding Electrad replacement.

Electrod Volume Control Numbers and Specifications

Elect	rad Volume Co	ntroi	Num	Ders	ana s	pecinc	ations
Stock	Used in	Taper	Та	per In	dicated	by Ohr Section	nage
Num.	(See page 60)	Curve Num.	Start		3/2	34_	Finish
204 W 269 W 270 W 271 W 272 W	1 1 1 1 17	1 1 1 1 1	Open 10 0 0 0	8 Unif. Unif. Unif. Unif.	5 Unif. Unif. Unif. Unif.	2.5 Unif. Unif. Unif. Unif.	0 20 30 50 100
273 W 274 W 991 W 282 W 275 W 276 W 992 W	9, 17, 20 9, 17, 20	1 1 1 1 1 1	0 0 0 0 0	Unif. Unif. Unif. Unif. Unif. Unif. Unif.	Unif. Unif. Unif. Unif.	Unif. Unif. Unif. Unif. Unif. Unif. Unif.	200 400 500 600 800 1000 1500
233W 277W 234W 278		1 1 1 1 5	0 0 0 0 0	Unif. Unif. Unif. Unif. 300 Unif.	Unif. Unif.	Unif. Unif. Unif. Unif. 2500 Unif.	2000 3000 4000 5000 5000 6000
994 W 560 995 W 283 240 996 573 201	4, 19, 20 5, 7 4, 10, 11, 19, 20 4, 9, 10, 11, 19, 20 5, 7, 8 5, 7, 16 22, 5, 7, 8 5, 7, 8	1 1 1 3 5 4 3	0 0 0 0 0 0 12M	Unif. 350 Unif. Unif. 20 150 5M 100	Unif. 1500 Unif. Unif. 2000 1000 1 M 2 M	Unif. 3750 Unif. Unif. 9000 5000 200 10M	7500 7500 10,000 10,000 10,000 10000 0 15,000
279 280 241 997 205 202	4, 10, 11, 19, 20 4, 16 2, 5, 19 3, 4, 5, 10 4, 19, 20 2, 3, 18	5 2 2 1 4	0 0 0 40M 0 75M	Unif. 1500 800 20M Unif. 25M	Unif. 6M 2M 10M Unif. 2M	Unif. 12,500 15M 2500 Unif. 200	25,000 25,000 30,000 50,000 0
242 281 208 998 203 894 †206 †895 *999	6, 12, 13,15,16,21 14 6, 12, 13, 21 4, 10, 11, 14 3 6, 12, 15 12, 13, 21 6, 12	6 62 25 65 5	0 0 0 250M 0 0 0 0	2M 30M 60M 62M	25M Unif. 60M 25M 20M 125M 250M 250M 500M	50M Unif. 125M 3700 200M 250M 500M 500M 1 Meg	500,000 500M 1 Me 1 Meg
	(Taper	Curi	ves o	n Pa	ge 57)		

†Tapped at 63,000 ohms. *Tapped at 125,000 ohms. All above controls except 204W are potentiometer type. Where rheostat is wanted use center and one outside terminal. Uniform controls in values to 10,000 ohms are wire wound.

Dual Controls for P. P. Grids

For use in controlling the input to the grids of push-pull audio stages simultaneously.

stages simultaneously.
883T—Front and Rear Sections 500,000 ohms each. Start at 0, at ½ turn 30,000, ½ turn 125,000, % turn 500,000 ohms.
886T—Front and Rear Sections 250,000 ohms each. Start at 0, ½ turn 15,000, ½ turn 125,000, % turn 250,000. *147 List Price, \$2.50. YOUR PRICE

ELECTRAD



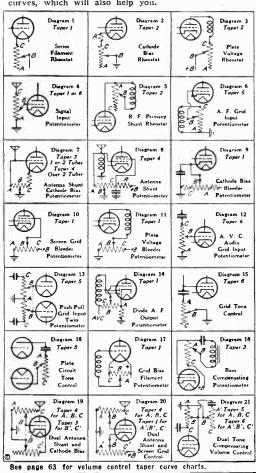
Volume Control Guide

Latest edition. Up-to-date on all Electrad Volume Controls. Name of set is listed alphabetically together with model num-bers and correct Electrad replacement and list price.

315983—With order for Electrad Volume Controls......FREE

Volume Control Hook-Up Diagrams

These diagrams will save you time in determining the correct volume control necessary when servicing obsolete and un-identified receivers. See page 63 for taper curves, which will also help you.



New Radolek Resistance Indicator

Calibrated Variable Resistance Box

312547-\$270 List. \$6.50. Your Price .. Every Serviceman

Your Price.

Every Serviceman Needs This!
Makes any resistance between 0 and 100.000 obms instantly available. Consists of a calibrated 25.000 ohm potentiometer with the first 1000 ohms spread out over half the arc of rotation. Three selected 25.000 ohm resistors or of rotation. Three selected 25.000 ohm resistors or one of the potentiometer permit adjustment of resistance to any value from 0 up to 0.1 megohm, through insulated pfinjacks. Excellent temporary substance to any value from 0 up to 0.1 megohm, through insulated pfinjacks. Excellent temporary substance to existence in Wheatstone bridge circuits. Used for calibrating hand made ohnmeters; selecting best bias resistances; extending voltmeter scales; as shunt multipliers, etc.

Tapered resistance permits more exact adjustment under 1000 ohms than possible with ordinary resistance indicators. Has 150 wnit capacity up to 1000 ohm, 10 wait to 25,000, I wait to 100,000 ohms. Safety factor of 50% overload. Beautiful casy reading etched aluminum dai plate with circuit dagram. Fireprose rich terminum dai plate with subjus-prong pin time statishest quality 21% test lead with subjus-prong pin time data tapered Alligator jaw test claps. All values of resistance have 5% or better accuracy. A resistance indicator years aliead in design. Size: 5% 3% 3% 2½ 4%.

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your	Centralab Number	Your	Yaxley Number	Your
ECHOPHONE RADIO M	FGCa	n't. 201	\$0.59	72-119	50.59		50.88
60, 70, 80, 90 40 60, 70, 80, 90	V. C. V. C. Tone	201 241	.59	72-119 62-117	.59	Y9(X200) Y9(X300) Y	.88
5, 10, 14, 15, 16, 17, 18, 81 5, 10, 14, 16, 17, 18, 81 35, 36	V. C. Tone V. C.	203	.59	62-105 72-119 62-105	.88 .59	N Y N	.59 .59
35, 36	Tone			72-105	.59	N N9	.88
EDISON CORP., THOMAS A. R200	v. c.	202	.59	70-202	.59	К12	.59
C1, C2, R1, R2, SRC3, M5,	V. C.	1675	.88	24-008*	.88	CE	1.47
C1, C2, R1, R2, SRC3, M5, M6, Rear R4, R5, C4, R6, R7 Later	V. C.	1713	.88	26-021*	.88	CE	1.47
niodels R6, R7 Early Models Abbey Batt.	V. C. V. C. V. C.	728 49	.88	74-512* 64-306*	1.47	GG N N	1.47 .59 .59
Abbey Jr.		1903	.88			L S	.59
R100, RV. 695 R122 Splitdorf 16 and 17	V. C. V. C. V. C. V. C.	204 W 232 W 2076P	.59 1,18	72-101	.59	5	.33
ELECTRICAL RESEARCH LAB.						13-2	
R-1 R-2	V. C. V. C. V. C. V. C. V. C. V. C.	240 201	.59	72-100	.59	G12	.59
210 225, 271, 271A 245	V. C. V. C. V. C.	1714TP 1714TP 202	1.76	74-601 75-506* 52-205	1.47 1.76 .88	NE GE C	1.47 1.47
224A.C., 224B		234 W	.59	72-110 52-205	.59	F12	.59
335 37, 38, 39 35	V. C. V. C. V. C.	208 208	.59 .59	62-116	.88	L L	.59
231 81P, 82P, 30(248), 61, 62, 63(250)	V. C.	202 240	.59	52-205 52-205	.88	C9	.59
230	V. C. V. C.	208	.59	72-116	.59	м к	.59
81P, 82P 30(248) 550 620, 630 1040	Tone V. C. V. C.	242 240AS 882P	.59 .88 1.18	72-117 62-113 72-117	.88	^	.33
1040 336 500	V. C. V. C. V. C. V. C. V. C.	885P 240 884G	1.18 .59 .88	6 2- 10 0	.88		
590		883PG	1.18	2011045*	1,18		-
602 263, 268 RE (76, 87, 88, 89) KY (66)	V. C. V. C. V. C.			62-113	.88	G7-9(B2)	.88
263, 268 RE (76, 87, 88, 89) KY (66) RN, 106, 107 264C, 264 257	V. C. V. C. V. C.	203 206	.59 .59	62-116 62-105 72-116	.88 .88	N O	.59
620, 630	Tone	205	.59	72-117	.59	K12	_ 59
EMERSON RADID AND PHONO. CORP.	v. c.	1686P	1.18	79-006	.59	H12	.59
A 1: AF	V. C. V. C. V. C.	275W 685PG	1.18	72-107 62-113	.59 .59 .88	B	.59
Series 55 T, TS, CS, JS 410, 420, 250AW, 33AW, 30AW, 321AW, 350AW, 411, 415, 416, (Mickey-							
Mouse) 409, H-5, 28, 30, 250, 300	V. C.	813PG	1.18	62-119	.88	Y9(X300)	.88
BAC10 BAC10	V. C. Tone	203 240	.59	62-106 72-119	.88	N9 Y	.88
BAC10 678 Auto Radio 30LW, 33LW, 250LW,	N. S. V. C.	278 815P	1.18	72-110 72-120	.59	E12 M	.59
30LW, 33LW, 250LW, 321LW, 350LW 40, 77, 375, 375LW	V. C.	814P 814P	1.18 1.18	62-119 62-116	.88	Y9 O-9	.88 .88
965 629 midget	V. C. V. C. V. C. V. C.	2012P 679PG	1.18				
20-A, 25A, 20-5 MAC7 MAC7	V. C. V. C. Tone	234WAS	.88	62-131 62-110 72-117	.88 .88	M9 E7-9(B2) Y	.88 .88
DC4, LAC4, LAC5	V. C.	279	.59	52-205	.88	G.	.59
AW55 L755, 50-L M755, 50-M, 8755, \$50	V. C. V. C. V. C.	573AS 240AS 240AS	.88 .88	99-006 62-113 62-113	.88 .88	H(B2) E9(B3) E(B3) Y	.88 .88
M755, 50-M, 8755, \$50 1,755, 50-L, M755, 50-M K, KS JS	V. C.	240AS 685PG	.88	72-117 72-100 72-117	.59	G9(B1)	.59
EVEREADY (National	Tone	1001FG	1.18	12-117	.59	<u>e</u>	.59
Carbon Co.) 1, 2, 3 30, 40 series	V. C.	1747 478T	.88 1.47	72-104 72-107	.59	SRP-179 A550P	.88
50 series	V. C. V. C. V. C. V. C.	202 478T	.59 1.47	70-202 74-503*	.59 1.47	DRP242	1.47
50 series (1&2). This con- trol will replace only the or- ginal Yaxley Controls	v. c.	21117	1.47			DRP-117	1.47
FADA RADIO AND					-		-
ELECT. CORP. 10, 10Z, 11, 11Z, 30, 30Z 31, 31Z	v. c. v. c.	147	.88	70-017*	-88	SRP256	.88
10, 10Z, 11, 11Z, 30, 30Z 31, 31Z 50, 70, 71, 72 25, 15M, 15MZ 35, 35Z	V. C. V. C. V. C	147 325 325	.88 .88	70-059* 79-019* 72-168*	.88 .88	SRP256 SRP257 SRP257	.88 .88
16, 17, 18DC, 32 35B, 35C, 40AC	V. C. V. C. V. C. V. C. V. C.	325 277 747T	88 1.47	72-103* 72-001* 74-513*	1.47	SW1 201	
41, 42, 44, 46, 47, 81, 84 20, 20Z		206 325	.59	72-116 99-019	.59 1.18	O SRP257	.59
41, 42, 44, 46, 47, 81, 84 20, 207 43, 762, 761, K.F., K.G. KW48, KW49 KW48, KW49	V. C. V. C. V. C. V. C.	633T 203	1.47 .59 .59	74-541* 62-105	1.47	DRP119 N9 F12	1.47
1st 45, 1st 45Z, 51, 53, 57	neon V. C.	560	.53	62-114	.88	7.72	.59
Fada Radio and Elect.	Con't. o	n next p	ag e				

VOLUME CONTROL GUIDE

V OLUM!						•OII	
Model Receiver	Part	Electrad Number		Centralab Number	Your Price	Yaxley Number	Your Price
CROSLEY RAOIO CORP. 20, 21 Battery 26, 52 27, 28 53, 54, 57, 58 308, 318, 338, 348, 63 18t 408, 18t 428, 71A 405, 418, 458		204W 504 686 1687 1711	\$0.59 .88 .88 .88	70-202 72-045* 72-019* 72-111 72-019* 70-503*	\$0.59 .88 .88 .59 .88	I. SRP263 SRP263 SRP-158 SRP-158	\$0.59 .88 .88 .88
1st 48, 59, 77-1 2nd 48 60S, 61S, 62S, 63S 75, 77A, 77B, 77L, 84C,	V. C. V. C. V. C. V. C. V. C.	1687 592G 205 995W 205	.88 .59 .59	74-511* 79-006 52-206 72-103 72-103	.59 .88 .59 .59	SRP-158 E SRP188	.88
84D 76 90 Auto 91, 92 Auto 95, 96 Auto	V. C. V. C. V. C. V. C. V. C. V. C.	203 203 205 205 203 2055P	.59 .59 .59 .59	72-047* 72-047* 72-117 72-104 62-132	.88 .88 .59 .59	M SRP-226 K12 L UC504	.59 .88 .59 .59
99, 98 Auto 120 120 1st 122 Super Smoker 2nd 122	V. C.	2095P 2095P	1.18 1.18	62-132 99-006 72-105 72-101 72-108	.88 .59 .59	UC504 G12 SRP-226 D12 D12	.59 .88 .59
121 Series A 122, 123, 124, 121-B, 121 123 124, 125	V. C. V. C. Tone V. C. V. C.	2086P 205 240 616P	1.18 .59 .59 1.18	72-118 72-117 52-205 2111905*	.59 .59 .88 .98	SRP264 K D E7	.88 .59 .59 .59
124-1 126 126-1 126-1 126-1, 128	Tone V. C. V. C. Tone Tone	242 282 282 558 203	.59 .59 .88 .59	72-122 72-055* 72-121 72-122 62-121	.59 .88 .59 .59	L SRP264 SRP264 L SRP-226-9	.59 .88 .88 .59 1.18
127-1, 129, 129-1, 132-1, 131, 146 127 127-1 128 131	V. C. Tone Tone V. C. V. C. V. C.	558 206 203 232 232	.59 .88 .59 .59 .59	72-121 52-202 62-116 72-121 2115900* 62-101	.59 .88 .88 .59 .98	SRP226 L SRP-226 SRP-226 C SRP262	.88 .59 .88 .88 .59
129 133 129-1 143-1 133, 134, 134-1, 135 132-1, 146, 150	V. C. V. C. V. C. V. C. Tone N. S.	278 201 2054G 240 203 203	.59 .59 .88 .59 .59	70-205 72-115 70-205 2013901* 62-105 72-105	.59 .59 .59 1.18 .83	F7 E7 SRP262 N9 N	.59 .59 .88 .88
150, 157, 158, 160, 164, 168D, 170, 171 146-1, 133-1, 141 132-1, 136-1 135	Tone V. C. V. C. V. C. V. C.	558 278 950°C 240 2057PG	.88 .59 1.47 .59 1.18	52-202 62-110 72-110 72-118	.88 .88 .59	UC504 E DRP232 E7 SRP262	.59 .59 1,47 .59
147 148 150 165 160 154	0.000.00 0.000.00	278 278 208 240 278 283	.59 .59 .59 .59 .59	62-110 62-110 72-121 62-110 70-206 62-100	.88 .59 .88 .59	E7 E7 SRP-226 E7 E SRP262	.59 .59 .88 .59 .59
160 163, 166, 176 99 Auto 159 DEWALD RADIO	V. C. V. C. Tone V. C. V. C.	2041 234 558 283	.88 .59 .88	72-132 62-113 70-202 62-110 52-205	.59 .88 .59 .88	UC504 E L E7 SRP262	.59 .59 .59 .59
"PIERCE-AIRO" A. C. 524 A. C. 724-1 A. C. 746M, A. C. 747M A. C. 746M, A. C. 747 A. C. 624	V. C. V. C. V. C. V. C. V. C.	240 240 280 240 240 240	.59 .59 .59	72-100 52-204 62-110 62-100	.59 .88 .88	G12 F12-9 Y200MP E9 E7-9	.59 .88 .59 .88 .88
A.C.535, A.C.536 54, 55 61, 80, 100 A. C. 14-45, A. C. 24-45 60 ex. K. A. D.	v. c. v. c. v. c. v. c. v. c.	234W 859PG 277 280AS 201	.59 1.18 .59 .88 .59	62-110 62-114 62-105 62-102 62-115	.88 .88 .88	E9(B4) G9(B2) N E12 J	.88 .88 .59 .59 .59
K. A. F. B. L. G. 41 53 555R 56	V. C. V. C. V. C. V. C. V. C.	201 860PG 240AS 201 240AS	.59 1.18 .88 .59	62-115 62-113 62-113 99-006 62-113 62-113	.88 .88 .88 .88	H12-9(X800) F7 H9(B5) H9(B5) G9 G7	.88 .59 .88 .88 .88
62 A. C. 724 A. C. 624 52 40.42,50.51,B.A.C.,B.A.G. D. C. 637-D. C. 638 B. A. M.	V. C. Tone Tone V. C. V. C. V. C. V. C.	206	.59	72-116 72-117 62-121 72-105 52-205	.59 .59 .88 .59 .88	O M M N F9(B5) C12 K12	.59 .59 .59 .59 .88 .59
EARL RAOIO CORP. 31 A. C., 32 A. C., 41 21 D. C., 22 D. C., 24 D. C., 31 D. C., 33 D. C. 21 A. C., 22 A. C. 31S, S32, 33S	v. c. v. c. v. c. v. c.	202 208 1748T 1833TG	.59 .59 1,47 1.47	70-202 72-106 25-416* 74-506*	.59 .59 1.47 1.47	K K DRP240	.59 .59 1,47
ECHOPHONE RADIO AND MFG. CO. S-3 S-4 S-5, E, F 12, 38 50, 90 improved	V. C. V. C. V. C. V. C. V. C.	232 232 201 240	.59 .59 .59	62*119 62*119 62*119 52*205 99*006	. 88 . 88 . 88 . 88 . 88	C12 D12 Y G7(B2)	.59 .59 .59 .59
Echophone Radio and Mf	g.—Con't	on next	page				

Series I

Sound Projection Controls

How to Select the Proper Attenuator lance of "Pad" should equal Impedance of Circuit or Line. e possible use a "T" or Constant Imp. Fader type control Where possible use a to maintain best audio tone quality. If tone is not important as in individual speaker control on a multi-speaker circuit, use a combination "L" Pad. Straight Resistance Faders are used with high impedance inputs such as radio or phono pickup.

Constance Impedance "L" Pad



A 4-wait attenuator for individually controlling moderate power, low impedance Speakers operating from a central system. Wire wound. Bakelite case 344"x1%"

deep.
List Price, \$4.00.
YOUR PRICE, Each..... \$2<u>35</u> Stock

Imped Ohms 96-003 10.000 96-002 5,000 STRUT 96-007 500 96-006 200 96-005 50 96-00

Junior Twin "L" Pad-1 Watt

Stock No. Ohms List, \$3.00, 74-544 10,000 YOUR 74-543 5,000 PRICE.... For individual control of magnetic speakers from centralized system. Provides smooth, individual volume control for each speaker. No switch. Bushing diam., %"x'y" long. Shaft diam., 4" extends '\(\frac{1}{2}'' \). Bakelite case diam., 1\(\frac{1}{2}'' \) x'\(\frac{1}{2}'' \) deep. Shaft and bushing insulated. With knob.



"T"Pad

List price

\$7.00 VOUR

Constant Impedance 'L' Pad



10 Watt List Price \$5.00 YOUR

8294

Stock Resist Number Ohms Stock Resist Number Ohms 94-002 50 94-004 200 94-005 500 94-006 5000 94-001 94-003 $\frac{15}{100}$ 93-002 500 93-006 93-003 200 93-006 Used in output circuits where the power does not exceed 10 watts. Commonly used as a voice coil control or line con-trol with Dynamic Speakers. A network of 3 resistances. Provides smooth attenuation while maintaining constant impedance. Bakelite case 3½"x deep, single or three hole Mrg. With knob.

trol with Dynamic Speakers. Provides constant impedance to the and thus, when used in multiple circuits, does not disturb the adjustment of other sections of the same circuit. Wire wound for maximum power rating and housed in a moulded Bakelite case. Diameter 3½". Depth 2". LINE s-

1 6	Elmo	2	PRICE
	0		§4 <u>12</u>
Stock	Resist.	Stock	Resist.
Num.	Ohms	Num.	
93-008	5,000	93-004	100
93-001	1,500	93-005	50
93-002	500	93-006	15

Constant Impedance

SLOAD

LINE \$ LOAD

Dial Plate and Knob for Above Controls



For use with constant impedance or gain controls. Heavy brass silver finish with etched black call-hrations, 0-10. Diam. 3". 60-499-235° rotation for I-watt "L" Pad 60-489-325° rotation, for all others 50e

66-487-Black Pointer Knob, EACH 15c FREE!

Giant Power Rheostat



50 Watt wire wound on metal frame insulated with as bestos. Capable of operating at Resistance

YOUR

PRICE

Capable of operating at high temperature without damage. Will dissipate up to 50 watts. All resistances have 3 terminals and may be used as a potentiometer or rheostat. A convenient portable control for radio receivers, soldering irons, and other shop equipment. Contact lever is connected electrically, with mounting sleeve. In ally with mounting sleeve, sulating washers for mou on metal panel furnished. mounting

Stock Number Ohme 25 60 150 500 48.025 48-060 48-151 48-501 SI 47 48-811 1.000

48.851

5,000



A small 15 page booklet which gives complete details concerning the construcing the construc-tion and applica-tion of Centra-lab's New Series II Sound Projec-tion Controls. Specify one of manuals to be included with your next order.

Centralab Sound

Projection Control

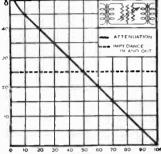
Manual

CROSLEY 40S.
41S, 42S, 71A, 82S,
Early and Late
Models. Twin Volume Control 25,000-40,000 ohm. Part W-6596.

\$1.62 YOUR PRICE 88¢

Series II **Sound Projection Controls**

New controls of the finest type for input circuits in broadcast stations, public address systems, and recording apparatus of new or old design. Will prove faultless in the most critical service. Non-liductive carbon type specially tapered for constant impedance. Attenuation is continuously variable and practically straight line for 45 decibels at all frequencies up to 16,000 crubbing contact. This contact NEVER IEEGULIRES CLEANING. Centralab contacts. This contact NEVER IEEGULIRES CLEANING. Centrals or the contact and electromagnetic shielding provided by a black finished steel case. Bakelite screw type terminal strip on back of case. All resistance elements insulated from shaft and bushing. Single hole mountains. Mounting bushing a locknuts and lock-washers. Case diameter 23. Depth back of panel "T" Pad-2%"; Gain Control-13. Maximum load dissipation 1 watt. 3" black distincentrol.



Curves Showing Variation In Attenuation and Impedance with Rotation forA "T" Pad Attenuator





"T" Pad-Pad

"T" Pad Fader

Part	Imped- ance	Description	Part Number	Your Price
"T" PAD ATTENUATOR	200 Ohms		7-010-852 7-010-851 7-010-850	\$ 7 35
"T" PAD FADER	500 Ohms 200 Ohms 50 Ohms	Two Con- stant Imped- ance Legs on Both Sides	7-210-852 7-210-851 7-210-850	\$ 11 02
"L" PAD Attenuator	500 Ohms 200 Ohms 50 Ohms		4-010-852 4-010-851 4-010-850	67967



Gain Control and Straight Fader

Gain control provides 50 Db. straight line attenuation for each control. Straight fader for Crystal or High Impedance Pickups.

Part	Resistance	Part Number	Price	
GAIN CONTROL	250 M Ohms 500 M Ohms 1 Megohm	1-010-852 1-010-851 1-010-850	\$ 2 94	
Part	Resistance Fach Half	Part Number	Your Price \$367	
STRAIGHT FADER	500,000 100,000 50,000	1-210-852 1-210-851 1-210-850		

Special Crosley Replacements

CROSLEY Model 26 Volume Control 125,000 ohm, long shaft Part W-20114

crosley Models 705, 706, Show Box rt Number W-6352.

YOUR PRICE 88¢

RADOLEK REPLACEMENT

Model Receiver	Part	Electrad Number	Your Price	Centralab Number	Your Price	Yaxley Number	Your Price			
BRUNSWICK BALKE COLLENDER CO. 5-NO. 5-NC-8, 3-NC-8 3NW8 PR-17-R, R-1, 2KR, 5KR.	V. C. V. C.	404 404	50.88	72-118 72-100	\$0.59 .59	SRP-138 SRP-141	\$0.88			
PR-17-R, R-1, 2KR, 5KR, 2KRO, 5KRO, 3KRO, 3KRO, 3KRO, 3KRO, 3KRO, 3KRO, 2KRO,	V. C. V. C. V. C.	402 424P 234 W	.88 1.18 .59	72-100 62-108 55-004*	.59 .88 1.18	SRP-144 A5MP9 A5MP9	.88 .88 .88			
14, 21, 31, Panatrope 11, 12, 16 33, 18 17A.C., 24 A.C., 25 A.C. D11, D12, D16, D18, D33 31AC	V. C. V. C. V. C. V. C. V. C. V. C.	202 365 365 203 203 202	.59 .88 .88 .59 .59	52-206 99-006	.88	J N9 N9 N N9 L	.59 .88 .88 .59 .88			
15AC, 22AC, 32AC, 42AC 17AC, 24AC, 25AC DC-15, DC-22 3-NW-8 11, 12, 16, 18, 33	Tone Tone Tone N. S. Tone	234 W 283 205 233	.59 .59 .59 .59	72-110 72-103 72-108	.59 .59 .59	E12 L K D M	.59 .59 .59 .59			
CENTURY RADIO PRODUCTS CO. 5-47 4-47 5-38 4-78 Century Queen	v. c. v. c. v. c. v. c.	240 240 240 240 240 201AS	.59 .59 .59 .59	52-205 62-113 52-205 62-113 62-102	.88 .88 .88 .88	G9 H9 J9 J9 Y9(X200)	.88 .88 .88 .88			
Ace Ace Ace Queen	V. C. Tone N. S. Tone	203	.59	72-105 62-117 70-205 72-117	.59 .88 .59	N K12-9 G K12	.59 .88 .59			
CDLONIAL RADIO CORP. SG-32AC 73, 76, T345, C399, T397, C495, 62 44 50 47, 48	V. C. V. C. V. C. V. C. V. C. V. C.	201 201 201 201 201 240	1.47 .59 .59 .59	25-417* 99-006 99-006 99-006 99-006	1.47 .88 .88 .88	GK 119 119(B1) H 119(B1)	1.47 .88 .88 .59			
52 C595, C695 C595, C695, C995 136 250, 279, 300, 301, 500, "A" & "B" & AC	V. C. V. C. Tone V. C.	201 206 201AS	.59 .59	79-006 62-116 72-105 62-115	.59 .88 .59 .88	119 O N H12	.88 .59 .59 .59			
"A" & "B" & AC 400 501, 501 AC 600, 600 A, 601 700, 701, 702 16-5, 16-6, 17-5 21	V. C. V. C. V. C. V. C. Fil. V. C.	206 203AS 203 203AS 204W 204W	.59 .88 .59 .88 .59	62-108 72-116 62-105 72-105 62-105	.88 .59 .88 .59	D12 N N9 N N9 Q	.59 .59 .88 .59 .88 .59			
20, 26 653, 654 158 177 150 164, 182, 240	V. C. V. C. V. C. V. C. V. C. V. C.	204W 877P 878P 2008P 2009P	.59 1.18 1.18 1.18 1.18	72-106	.59	T D9 N9	.59 .88			
173 106-106B 52, 56, 62, 69, 71, 73, 76A and B, 106B, 164, T345, C399, T397, C495, 400, 501, 501AC, 600, 600A, 602, 603, 659, C695, C995	V. C.	796P 793	1.18	70 105	.59	N	.59			
400 (Phono, Pickup Control) 601 (Phono, Pickup Control)	V. C.	203	.59	72-105	.59	A B	.59			
COLUMBIA PHONO. CO. C-1, C-3, C-6, C-7 C-2, C-4, C-5 C31 C32, C25-31, C25-32 C33, C34, C25-33, C25-34	V. C. V. C. V. C. V. C.	203 203 277W 277W 573	.59 .59 .59 .59	72-116 72-116 55-004* 52-205	.59 .59 1.18	M K12 A5MP A5MP G	.59 .59 .59 .59			
C-80-A, C-80-B, C-800, C- 80-C, C-90 920 950 961, 940, C11	V. C. V. C. V. C. V. C.	208 280 201 201 203	.59 .59 .59 .59	72-121 72-102 72-100 72-102	.59 .59 .59	M Y Y K12	.59 .59 .59			
902, 930 120B S. G. 5 S. G. 9 S. G. 8	V. C. V. C. V. C. V. C. V. C. V. C.	772T 202 1827P	1.47 .59 1.18	72-116 74-615* 52-202 72-100 82-028* 70-204	.59 1.47 .88 .59 1.18	GG Z DRP-119-9 Y-8	1.47 .59 1.76 .94			
C-80-A, C-80-B, C-800 C-90 C-90 930 Phono. Comb.	Tone Tone N. S. V. C.	205	.59	62-117 62-121 72-111 75-525*	.88 .88 .59 1.76	K12-9 M Y	.88 .59 .59			
CRDSLEY RADIO CORP. AC7. AC7C Ruddy and Chum 608, 609 610 804 704. 704A, 704B, 705, 706	V. C. V. C. V. C. V. C. V. C.	282W 274W 1723G 1712 296	.59 .59 .88 .79	72-118 72-118 51-037* 51-037*	.59 .59 .88 .88	A400P SRP-185	.59 .88 .88 .59			
11.41A, 42 2nd 705, 2nd 706 602, 2nd 704, 704A, 704-B, 2nd Jewel Box Early 706 22, 23	V. C. V. C. V. C. V. C. V. C.	1712 1725 1839 347 204	.88 .88 .88	51-037* 51-037* 51-037* 72-100	.88 .88 .88	SRP-185 SRP-185	.88			
Crosley Radio Corp		1	<u> </u>	1.2.700	1					

VOLUME CONTROL GUIDE

Model		Electrad	Your	Centralab	Your	Yaxley	Your
Receiver	Part	Number	Price	Number	Price	Number	Price
TWATER KENT MFG. 12, 469, 469D, 469-F. 260, 60-F, 3rd type, 99, 558-Q,	—Cont.			60.105		N9	50.88
58-T) I	v. c. v. c.	203 464P	\$0.59 1.18	62-105 62-105	\$0.88	N	.59
2 D.C. 4, 84F, 84-Q, 588, 756, 56-B, 85-Q, 427, 427-Q, 9-P ist type, 275 ist type 1, 81-B, 81-C, 91, 91B, 1C, 246, 424, 534, 711, 28-D, 228-F, 260, 188, 48, 99, 99F	v. c.	203	.59	62-105	.88	N	.59
28-D, 228-F, 260, 188, 48, 99, 99F	V. C.	203	.59	62-105	.88	N9	.88
	V. C.	203	.59	52-203	.88	N9	.88
acity coupled R. F. coils, 6 A.C.	V. C.	524T	1.47			GG CE GK	1.47
80 5-F, 55-FC, 56-C with ca- actty coupled R. F. colls, 6 A.C. 4, 76, 76-P chassis, 87-D , D-1, D-2	V. C. V. C. V. C. V. C.	1-T 1-T	1.47 1.47	74-521* 4010902*	1.47	GK	1.47
2, F. P. 70 2Q	V. C. V. C. V. C.	1-T 465	1.47	4010902* 72-104	1.47	GK N NE	1.47 .59 1.47
6 I-1, H-2, 72, 61C, 75- hassis Q	V. C.	1757-T	1.47	25-426*	1.47	LM	1.47
80 69, 469F	Heam Tone	203AS 203AS	.88	72-114 72-114	.59	Ğ	.59
60.260-F. 1st and 2nd type 69, 469-F, 2nd type (Tone- eam) 812, 612, 260, 260-F. rd type (Tonebeam)	Beam	279	.59	72-119	.59	M-15M-P	.88
	Tone N. S. N. S.	279 234	.59	72-119 72-110	.59	M-20M-P E	.88
11, 188, 188-F 2nd	N. S.	201	.59	79-006	.59	Н	
112, 612, 588, 469, 558-D, 69-F, 2nd type, 260, 260- 7, 3rd type 112, 812	N. S. T. Beam	279 203AS	.59	72-119 72-119	.59	Y M20MP	.59
AUDIOLA RADIO CO.	V. C. V. C.	240 233	.59	70-204 72-103	.59	A	.59
00-B and 7330 1731, 4732, 5731, 57-Jr., 6731, 67-Jr., 7731, 8731, 17, 0745-31, 107-31, 139- 3, 237-5, 237-58W	V . C.	233		12-100		ا آ	
T 9T45-31, 10T-31, 139- 3, 23T-5, 23T-5SW 430	v. c. v. c.	240 202	.59	62-113 70-202	.88	G Z	.59
3A-C. 33-S-6 (auto), 23-	V. C.			72-122	.59	I.	.59
3-8-Q 23-S-7 3T31, 6TJr., 5T Jr. 33-S-7, 33-S-8 32 volt, 23-	V. C. V. C. Tone	854 240	.88	62-105 72-100	.59	Ğ	.55
S-N	V. C. V. C.	208	.59	62-105 62-121	.88	M9	.5
23-8-10, 23-8-12, 23-8-8, 33-8-8 32 volt. 33-8-7	Tone V. C. V. C.	205 204	.59 .59	72-117	.59	K12	.5: .5:
527, 627 33-8-5 BALKEIT RADIO CO.		205AS	.88	62-103	.88	K12	
	V. C.	201 283	.59	72-100 72-103	.59	F12 K12	.5
B7-B9 A-3, A-5, A-7, A-4 C, 52-1, E, "L-7," "KP," 55, L-8 F	V C V C V C	201 201	.59	79-006	.88	H12	.5 .5
42E, 42G SG-6	V. C.	573AS 573AS	.88		.88	H12	.5
M. KP, L-7, L-8, 52-1, 100 D-5	Tone V. C. V. C.	205AS 206AS	.88	72-116 62-103 62-116	.59 .88	K9	.5 .8
100 E, SG-6 45, 48, 38	Tone V. C. V. C.	283 208	.59	72-100	.59	G12 M (X250)	.5 .5
BELMONT RADIO CO.	V. C.	203	.59		1	N9	
45, 46 51B 52B 53B 54B, 51A.	v. c.	240	.59	62-113	.88	G12-9	,8
63, 64, 40-AC, 50-C, 70 series	y. c.	202	.55	52-205 52-202	.85	G Z9	
425 110 series	V. C. V. C. V. C.	242 206	.55		.81	8 0	- -
100 series 775 660 Auto, 625, 550, 530, 525	V. C. V. C. V. C. V. C.	206 2005 203	.5	82-105	.5	8 N9	1 :
575 750, 1050	V. C. V. C.	2034P 957 2004P	G 1.1	8 72-105	.5	212-9	
650 50 series	V. C.	283	.5	-	.5	G12	
675 Series 60, Series 70, Series 50C	Tone	2035P 205			.5	N9 K12	
750 1050	Tone Tone	956P 956P 956P	1.1 1.1 1.1	8 72-105 8 62-122 8 72-122	.5 .8 .5	9 M 8 N9	:
110 series 540	V. C. V. C.	2002P	-	8		N9	
630 BREMER TULLY MFG	_		-	2211001	1.4	-	_
CO. S-81 S-82		233W	1.1	9 62-108 52-205	.8	8 A3MP 8 J9(X500)	1:
81-A 7-70, 7-71 8-20, 8-21, 820-A, 821-A	V. C. V. C. V. C. V. C.	642P 201 201	.5	9 72-169	.8	8 H12	
Counterphrase 8, 6-40 Bat		203	.5		.5	9 N.	٠.
640, 641 6 14, 21, 31	V. C. V. C. V. C. V. C.	280 202 202	.5	9 52-206	.8	N	

lew Standard Twin Replacement

Volume Controls

wo variable resistances on a common haft completely insulated from each other nd from the shaft and bushing. Many shaft and bushing. nd from the nd from the shart and bushing. Many encivers giving troublesome operation with single controls may be improved considerably when a twin is used as escribed below:

the College of the Co YOUR \$147

4-602—For use where the original was in the screen grid frcuit. Panel resistance 10,000 ohms tapered for antenna. lear section 50,000 ohms tapered as screen grid potentiameter.

Dual Grid Volume Controls

-Both bases 100,000 ohms -Both bases 250,000 ohms -Both bases 500,000 ohms 0 | 0805 0 | 0807 0 | 0804

List Each. \$2.50. YOUR \$147 PRICE.

TAPER CURVE CHARTS

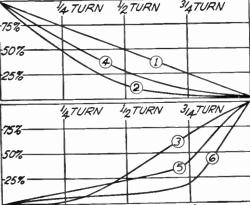
TAPER CURVE CHARTS

For Standard Centralab Radiohm Controls

Correct choice of Volume Control permits smooth, even change of volume on any Radio Receiver: Or S-G Potentiometer Curve 1—Chitorm Voltage Divider or S-G Potentiometer Curve 2—C-Bias Control where low portion is important Curve 4—For both Antenna shunt and C-bias of 3 tubes

Curve 3—For Anienna and C-bias of 2 tubes

Curve 5—Audio Pot, or Tone Control; also AVC and QAVC Curve 6—Input to Grid, Ant. Shunt, or 1st audio Tone Control. NOTE: All Volume controls are arranged to increase volume with clockwise rotation. Refering to diagrams below: The graphs given are arranged to indicate minimum volume at left (Designated terminal "A" in diagrams on Page 60. The Graph lines indicate the per cent of change of resistance for a given amount of rotation of the control shaft. Curve is uniform. Curves 2 and 4 (L. H. taper) indicate volume controls used in which volume is increased by decreasing resistance in circuit. In which volume is increased by decreasing resistance in circuit. In the diagrams the extreme right indicates maximum volume (designated terminal "C" in diagrams on Page 60). on Page 60).



With thi	is table y	Radiol	hm Lo	proper h ample	capacity margi	Radiol n of s	arety.
Control Num- ber	Control Num- ber	Resist. Ohms	Curve	Safe Max. Vol- ume	Milliam 90% Rot.	50% Rot.	nds Min. Vol- ume
62-118	72-118	500	1 1 1	70	70	60	60
62-107	72-107	1,000		50	50	40	40
62-101	72-101	2,000		50	40	25	25
62-108	72-108	3,000		50	35	20	20
62-109	72-109	4,000		50	35	18	18
62-110	72-110	5,000	1	50	35	15	15
62-114	72-114	10,000	1	35	25	10	10
62-113	72-113	10,000	3	20	14	7	7
52-205	70-205	10,000	4	40	30	13	7
62-115	72-115	15,000	3	20	12	6	6
99-006	79-006	15,000	4	40	30	12	6
62-119	72-119	20,000	3	18	10	5	5
62-111	72-111	25,000	1	30	15	5	5
52-206	70-206	25,000	4	30	18	7	7
62-103	72-103	50,000	1	20	10	4	4

4141

100,000 200,000 500,000 500,000 Volume Control Strips

 $30 \\ 10 \\ 20 \\ 10 \\ 15$

Models 37, 37F, 38, 40, 40F, 41-DC, 42, 42F, 43, 41, 45, 46, 47, 52, 53, 450 ohm strip. R-1738—List, 50e, 256

75,000

70-202 72-104 72-131 72-106 70-203

YOUR PRICE ..

52-202 62-104 62-131 62-106 52-203

Atwater Kent Early Models 55, 55FC, 60, 60C, 6,000 ehm strip. R-1742—List, 50c. 55C. 25¢ R-1742-List. 5 25¢

10

 $\frac{7}{10}$

5 3 3

New Standard Replacement RADIOHM VOLUME CONTROLS

Centralab with its unequalled experience in the design and manufacture of over 18,000,000 volume controls for set manufacturers and replacement has developed a new improved Radiohm. A newly designed patented non-rubbing contact turns smoothly with an absolute minimum of wear. New small size, with long thaft, easy to saw to fit practically every set application. Case diameter 1% in, depth % in, shaft 2% in, long millied flat. The Switch Model is equipped with C-H underwriters Approved Snap Switch mounted on back cover. Switch capacity 2 Amps., 125 V. 1 Amp., 250 V. Switch depth %", total depth switch type %".

With Switch



Less Switch

- 1		
		List, \$1.00
)		
		Your Price
-	8	59c

	_	6 6	1	Ø 0	370
Resis	Taper	Curve Num.	Number with Switch	Number Less Switch	Circuit Number (See Page 68)
500 1.000 2,000 3,000 4,000	Unif. Unif. Unif. Unif. Unif. Unif.	1 1 1 1 1	62-118 62-107 62-101 62-108 62-109	72-118 72-107 72-101 72-108 72-109	9, 17, 20 9, 17, 20 4, 9, 17, 19, 20 4, 9, 19, 20 4, 9, 19, 20
5,000 5,000 10,000 10,000 10,000	Unif. L. H. Unif. L. II. R. H.	1 6 1 3 4	62-110 52-204 62-114 62-113 52-205	72-110 70-204 72-114 72-113 70-205	4, 9, 19, 20 4, 19, 20 4, 9, 10, 11, 19, 20 5, 7, 8 5, 7, 8
10,000 15,000 15,000 20,000 25,000	L. H. L. H. R. H. L. H. Unit.	6 3 4 3 1	62-100 62-115 99-006 62-119 62-111	72-100 72-115 79-006 72-119 72-111	4, 19, 20 5, 7, 8 2, 5, 7, 8 5, 7, 8 4, 9, 10, 11, 19, 20
25,000 25,000 25,000 50,000 50,000	R. H. R. H. L. H. Unif. L. H.	2 4 3 1 5	62-133 52-206 62-102 62-103 62-117	72-133 70-206 72-102 72-103 72-117	2, 5, 19 2, 5, 7, 8 5, 7, 8 4, 19, 20 4, 5, 6, 15, 16, 19, 20, 21
75.000	L. H.	- 5	62-123	72-123	4, 6, 15, 16, 19, 20, 21
75,000 100,000 100,000 200,000 200,000	R. H. Unif. L. H. Unif. R. H.	4 1 5 1 4	52-202 62-104 62-122 62-120 62-131	70-202 72-104 72-122 72-120 72-131	2, 18 14 6, 12, 13, 15, 16, 21 14 18
250,000 500,000 500,000 500,000 500,000	L. H. L. H. Unif. R. H.	5 5 1 2	62-121 62-105 62-106 52-203 62-134	72-121 72-105 72-106 70-203 72-134	6, 12, 13, 21 6, 12, 13, 21 14 3 See special listing
1 meg. 1 meg. 3 meg.	L. H.	6 6	62-116 62-135 62-132	72-116 72-135 72-132	12, 13, 21 See special listing 16

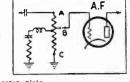
All standard Radiohms are 3 terminal (potentiometer) type. Where 2 terminal control is required use center and one outside terminal. Taper is more important than maximum resistance. The curve of each control listed is shown on the two charts on the opposite page. Typical circuit applications on Page 60.

Tone Compensation Controls

For High Fidelity Receivers

For High Fidelity Rece
tion of audio shunt volume
control that incorporates tone
compensation. This type of
circuit is becoming more and
more prominent with the
development of high tidelity recivers. These controls are
tapred at 50% rotation and
tapered for the audio shunt
connection. For converting controls to the switch type use
the standard Centralab switch cover plate.

72.134-500 000 ones 1 List \$1.20.



72-134-500,000 ohms. } List. \$1.20, 72-135-1,000,000 ohms. } YOUR PRICE

59¢

New Switch Cover · Plate







Latest Centralab

Volume Control Guide

Electrad—Centralab and Yaxley

||RADOLEK REPLACEMENT

Explanation of Yaxley Abbreviations Used After Yaxley Control Code Letters

Figures 8 or 9 signify that the control is supplied with switch. Letter B with a numeral designates the control bias setting required for the receiver with which it is specified. Letter "X" with numbers following designates the value of the bias resistor to be used with the control. Bias resistor untincluded.

Model	Part	Electrad Number	Your	Centralab Number	Your		You
ALL AMERICAN	Part	Number	-1100	Kumber	FILE	Number	-
MOHAWK CORP. (Also Lyrle) 60, 61, 62, 65, 66, 80, 83, 84, 85, 86, 88 Lyric 13, 18, P4, P8, P9, C6 8-50, also 1st Kellogg A. C. Cherokee, 2nd Mohawk Kellogg A. C. Duet, Sex- tette, 115	V. C. V. C. V. C.	166 240 951	\$0.88 .59 .88	72-116 72-114 70-205	\$0.59 .59 .59	SRP-170 G F	\$0.8 .5 .5
Kellogg A. C. Duet, Sex- tette, 115	v. c.	202	.59	70-202	.59	Y500MP	.5
Lyric K.SW80,SA91,SA90, Sallo, SA65, SA130, SW8 Lyric K S10, SA90, SA91, SA110, S-10AC, SA130	V. C. Tone	203 241	.59	72-105 72-117	.59 .59	N K12	.5
S-10AC, SA130 SA91, 2nd SA90	Tone N. 8.	203 560	.59	72-105 72-114	.59	F	.5
SA110 2nd SA130 70, 73, 75 90, 93, 94, 95, 96, 714, 742 S6, S7, S8, S12 D, C, 65	N. S. N. S. V. C. V. C. V. C. V. C.	232 283 2060 2052 283 560	.59 .59 .88 .88 .59	72-101 72-114 70-501* 79-006 72-114 52-205	.59 .59 1.47 .59 .59	A2MP H12 GG G G G	.5 .5 1.4 .5 .5
	Tone Tone	241 240	.59	72-117 72-100	.59	K12 G12	.5
\$7 \$63, \$W8, \$W80, \$A65, \$50 Lyrle D11, D19, D29, D39, D69, H19, H29, H60 B80, \$80 DC7-110 Volts	V. C. Tone V. C.	1802T 208 2058T	1.47 .59 1.47	74-601 72-121 74-615*	1.47 .59 1.47	DRP-169 M DRP-119	1.4 .5 1.4
B7, 1834 S80, S63 S40, U50 Auto U55 S-8	V. C. V. C. V. C. V. C. Tone	479T 201 279 201 240	1.47 .59 .59 .59	74-602 99-006 62-119 62-119 72-100	1.47 .88 .88 .88	GG II Y Y Z12	1,4 .5 .5
77, 99 A. C. 226 V.A. 808, 838, 848, 858, 868, 606, 616, 626, 656	V. C. V. C. V. C.	203	.59	72-116	.59	M Q R	.5
AMERICAN BOSCH 58, 62 28, 29 (Spec. Pulley type) 48, 49 Early Models 48, 49, 48AA Late Models 54, 56	V. C. C. C. C. V.	491 1747 1832T	.88 .88 1.47	72-167* 72-207* 74-501* 74-510* 74-602 72-105	.88 .88 1.47 1.47 1.47	D SRP-179 GK	.5 .8 1.4
58, 60, 61, 62, 63 60, 61, 63	Tone V. C.	495	.88	72-105	.59	N	.5
46 A. C. 126, 146, 166, 176, 107, 96, 96D.C. 260,312,313, 44, 62 D. C.	V. C. V. C.	203 233	.59	72-105 72-108	.59	N	.5
Model 100 Auto 73, 74 73, 74 10, 40, 41 A. C. 242, 243, 250, 251	V. C. V. C. Tone V. C. V. C. V. C.	496 493P 492P 203	.88 1.18 1.18 .59	62-100 72-117 62-105 62-105	.88 .59 .59	N G12 K12 N N9	.5 .5 .5
80, 84 35 Cruiser	V. C.	204	.88	70-018*	.88	U A 20MP	.5
33 Cruise? 27 Ambrola Batt, 46 D. C. Batt, 57, 87 66, 76, 761, 7, 7C, 36, 37 A. C. 20, 201, 20K, 20L	V. C. V. C. V. C. V. C. V. C.	204 204 493P 493P	.59 .59 1.18 1.18	52-205 62-114	.88 .88	8 V G12 G12-9	.5
31, 32 200, 201, 205, 205A, 206 350, 360, 370, 355 420, 480	V. C. V. C. V. C. V. C.	493P 203 203	1.18 .59 .59	72-114 52-205 72-105	.59 .88 .59	G12-9 G N N	.8
ATWATER KENT MFG. CO. 37, 37C, 38, 40, 42, 43, 44, 45, 47, 52, 53	V. C.	(1738) Stripf	.39	72-112*	.88	SRP-239	.2
55-C, early 55-F, 55-FC, early 61, -61-C D, C., 55 and 56C with transcoupled R, F , coils, Late 61 and 61C	V. C.	{1742} {strip}	.39			SRP-241	
86, 86F 82, 82F, 85, 85F 87 1st type, 87 3rd type 84, 84F late 94, 94F 80, 80F, 83, 83F	V. C. V. C. V. C. V. C. V. C. V. C.	463PG 433P 277W 462PG 573 460P	1.18 1.18 .59 1.18 .59 1.18	62-118 62-118 62-109 2011905*	.88 .88	A 550 P A D9 SR P254 SR P254 1E9	
90, 90F 567, 567P	V. C. V. C.	460P 993	1.18	2011905* 62-110	1.18	E E9	-
217, 427, 667, 510, 310, 217-D, 427-D, 667-D, 708, 808-A, 165 636, 756, 756B	V. C. V. C.	953P 954P	1.18	62-110 51-122*	.88	N9 N	
89, 89F, 188-188F, 627, 89- P 3rd type, 155 (3rd Type) above serial 7088700, 92, 92F, 96 (1, 2, 3), 96-F, 246, 266 2nd type, 555, 555 2nd type above serial 5063260, 425, 465, 155-1, 155-2, 812,	V. C.	203	.59	62-105	.88	N9	

Vitreous Enameled Resistors



hollow center.

Vitreous 1%" long with a %" hollow center. Coated with high quality Vitreous enamel and fired at red heat making an enamel coating which is fused tightly to the wire, terminal connections, and base. Either the solder lugs and 1½" threed wire leads may be used for mounting unit in circuit.

Non-Porous Waterproof Coating

10 Watt YOUR PRICE, EACH 200 Ten for\$1.90

3D1926 2 3D1935 30 3D1946 250 3D1954 1,500 3D8202 10. 3D1927 3 3D1936 40 3D1946 300 3D1955 2,000 3D8203 12. 3D1928 4 3D1937 50 3D1947 350 3D1956 2,500 3D8203 12. 3D1929 5 3D1938 75 3D1948 400 3D1957 3,000 3D8204 15. 3D1930 7.53 3D1940 100 3D1949 500 3D1958 3,500 3D8205 20. 3D1931 10 3D1941 125 3D1950 600 3D1958 3,500 3D8206 25.	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms
1 1 1 1 1 1 1 1 1 1	3D1926 3D1927 3D1928 3D1929 3D1930 3D1931 3D1932	3 6 7.5 10 15	3D1935 3D1936 3D1937 3D1938 3D1940 3D1941 3D1942	30 40 50 75 100 125 150	3D1945 3D1946 3D1947 3D1948 3D1949 3D1950 3D1951	250 300 350 400 500 600 750	3D1954 3D1955 3D1956 3D1957 3D1958 3D1959 3D1960	1,500 2,000 2,500 3,500 4,000 5,000	3 D8202 3 D8203 3 D8204 3 D8205 3 D8206 3 J1961 3 J1962	7,500 10,000 12,000 15,000 20,000 25,000 30,000 40,000 50,000

20	Watt	Size—2	Inches	Long
----	------	--------	--------	------

Stock Number	Resist- ance Ohms	Stock Number	Resist- anco Ohms	Stock Number	Resist- ance Ohms	Stock Number	Resist- ance Ohms
3C1825 3C1826 3C1828 3C1829 3C1830	5 10 50 75 100	3C1839 3C1840 3C1841 3C1842 3C1844	750 800 1000 1100 1250	3C1853 3C1855 3C1856 3C1857 3C1858	3000 3500 3750 4000	3D1867 3D8210 3D8212 3D8213	25,000 30,000 40,000 45,000
3C1831 3C1832 3C1833	200	3C1845 3C1846	1500	3C1859 3C1860	5000 6000	3 D 8214 3 D 8215 3 D 8217	50,000 60,000 7 5,000
3C1834 3C1835 3C1836	250 300 350 400	3C1847 3C1848 3C1849 3C1850	1850 2000 2250 2400	3C1861 3C1862 3C1863 3C1864	7000 7500 8000 10000	YOUR	37 c
3C1837 3C1838 YDUR PRICE	500 650 32 C	3C1851 3C1852 YDUR PRICE	2500 2750 32 C	3C1865 3C1866 YDUR PRICE	12500 15,000 32 C	3D8218 3D8220 YDUR PRICE	100,000 49 C

50 Watt Size—4 Inches Long (with lugs)

3C1876 3C1877 3C1878 3C1879 3C1880 3C1882 3C1883	20 50 100 250 500 750 1000	3C1885 3C1886 3C1887 3C1888 3C1889 3C1891 3C1892	1250 1500 2000 2250 2500 4000 5000	3C1893 3C1894 3C1895 3C1896 3C1897 3C1898 3C1899	6000 7000 7500 8000 9000 10.000 12.000	3C1900 3C1901 3F1905 3C1902 3C1903 3C1904	15,000 25,000 40,000 50,000 70,000 100,000
--	--	--	--	--	--	--	---

YOUR 54C | YOUR 54C | YOUR 62C | PRICE 72C

Adjustable Voltage Dividers



Vitreous Enameled

N.E.M.A. Ratings

Will replace any tapped voltage divider. Wound on root antite tube and covered with high grade vitreous enamel. A narrow track of exposed wire provides a simple means of adjusting the slider lug. Small contact button on adjustable lug shorts out minimum of resistance. Monel Metal lugs insure firm connection with resistance wire. New longer tube permits the use of more than one adjustable tap where required. Rated strictly in accordance with the requirements of the National Electric Manufacturers Association. Adjustable mounting brackets.

25 Siz			50 Size			75 Watt			
- 512	e Z X A		Size	41/2"x5	'a''	Size	61/2"x5/8	ı"	
Stock Number	Resist. Ohms	Max. Curn't M.A.	Stock Number	Resist. Ohms	Max. Curn't M.A.	Stock Number	Resist. Ohms	Max. Curn't M.A.	
3E1676 3E1678 3E1680 3E1682 3E1683 3E1684	5 15 50 100 150 200	2450 1410 770 545 445 385	3E1703 3E1704 3E1707 3E1709 3E1711 3E1714	10 50 100 200 500 1000	2340 1048 740 520 330 234	3E1732 3E1733 3E1734 3E1736 3E1737 3E1738	100 250 500 1000 1500 2000	865 545 387 270 223 190	
3E1685 3E1686 3E1687 3E1688	250 500 750 800	345 245 200 193	3E1716 3E1718 3E1719 3E1720	2000 3000 4000 5000	165 135 117 104	3E1739 3E1741 YOUR	2500 5000	173 122 86¢	
3E1690 3E1691 3E1693	1000 1500 2000 3000	173 141 122 100	YOUR PRICE		68¢	PRICE 3E1742 3E1743 3E1745	10000 15000 25000	86 70 55	
YOUR PRICE	5000	42¢	3E1757 3E1721 3E1722	7500 10000 12000	85 74 67	YOUR PRICE 3E1748 3E1750	1 40000	98¢	
3E1698 3E1699	7500 10000	63 54	3E1723 3E1724	15000	60	YOUR PRICE .		1.11 1.11	
3E1700 3E1701 YOUR	12000 15000	50 44	3E1725 YOUR	25000	75¢	3E1753 YOUR PRICE		1.22	
PRICE 3E1670	20000	47¢	3E1726	1 20000	135		djustable		
YOUR PRICE	25000	32 54¢	3E1727 YOUR PRICE	50000	83¢	required. 3E175! Net Eacl	5— 6 4	2	

CONTINENTAL CARBON Inc.

Certified Insulated Molded Carborite Resistors

1000 Volt Ceramic Insulation

Finest quality molded carbon resistors. The ceramic insulation permits them to come in contact with the chassis or other parts without the danger of shorting. Coating is very tough and will not chip. Quiet operation, permanent resistance value, non-inductive, oversize current carrying capacity. R.M. color coded plus Certified Seal with printed resistance value, 1½" tinned wire leads fo" dia., ½ watt %" long, 1 watt-1%" long.



Stock Number	l Watt Stock Number	Resist. Ohms.	Stock Number	I Watt Stock Number	Resist. Ohms.	15 Watt Stock Number	Stock	Resist. Ohms.
3E7800 3E7801 3E7802 3E7803	3E7840 3E7841 3E7842 3E7843	250 400		3 E7853 3 E7854 3 E7855 3 E7856	6,000 7,000	3 E 7826 3 E 7827 3 E 7828 3 E 7829	3E7866 3E7867 3E7868 3E7869	75,000 100,000 150,000 200,000
3E7804 3E7805 3E7806 3E7807	3E7844 3E7845 3E7846 3E7847	1,000 1,500	3E7817 3E7818 3E7819 3E7820	3E7857 3E7858 3E7859 3E7860	10,000 12,500 15,000	3E7830 3E7831	3E7870 3E7871 3E7872 3E7873	250,000 300,000 400,000 500,000
3E7809 3E7810 3E7811	3E7848 3E7849 3E7850 3E7851 3E7852	2.500 3.000 3.500	3E7822 3E7823 3E7824	3E7861 3E7862 3E7863 3E7864 3E7865	30.000 40,000 50.000	3 E 7 8 3 6 3 E 7 8 3 7	3E7874 3E7875 3E7876 3E7877 3E7878	1. Meg. 1.5Meg. 2. Meg. 3. Meg. 5. Meg.
		3.000		34.1003	90,000	3E 1830	34.1010	.,. 1-1 tig.

YOUR PRICE, EACH 12¢

3 Wat	t		1- 1/8" Long-3/8" Diameter							
Stock Number	Resist. Ohms.	Stock Number		Stock Number			Resist. Ohms.			
3 E7880 3 E7881 3 E7882 3 E7883 3 E7884	1,000 2,000 5,000	3E7885 3E7886 3E7887 3E7888 3E7888	12,500 15,000 25,000	3E7890 3E7891 3E7892 3E7893 3E7894	75,000 100,000 150,000	3 E 7898	250,000 300,000 400,000 500,000 1 Meg.			

List Price, 30c. 18¢ YOUR PRICE, EACH

Electrad Vitreous Enameled 10 Watt Resistors

Resistors are mounted on a heavy fibre board card and can he easily removed and replaced. Flat pieces of formed spring steel are securely riveted to the board and inserted through the hollow cores of the resistors. Although held firmly in place resistors can be easily slipped off and on their supports. The card is plainly marked with resistance values, opposite each mounting. Size of eard: 12" high, 6" wide. Hans This Card in Your Shop Take it with you when you go out on the job. You are always sure to have on hand and ready for use the most popular sizes of resistors when you want them. Reorder any of the sizes specified from our complete 11 st in g of vitreous enameled resistors at the top of this page.

-750 -1000 1-1500 1-1750 Ohm Ohm Ohm Ohm Ohm Ohm Ohm Ohm Ohm -7500 1-10,000 1-15,000 1-20,000 1-25,000



14 Popular Resistance Values 3F1969—List, \$5.60.

Atwater-Kent Line Ballast Resistors



...

Models 42, 43—44-Size 31/4x11/4") YOUR 31/822—Pt. No. 13445-28 ohms PRICE, 31/823—(44) Pt. 13755-21 ohms EACH

63¢

Power Transformers Repaired Rewound-Rebuilt-Guaranteed Like New

Duplicate the Original . . . We Prepay the Return Postage

Stock Number	Total Number Tubes	Number & Type Pwr. Tubes	Your Price
3 J 3618	5	Any Type	\$2.65
3E3600	6 tn 8	1-71 A	2.95
3E3601	6 to 8	2-71 A	3.95
3E3602	6 to 8	1-45 or 47	3.95
3E3603	6 to 9	2-45 or 47	4.65
3E3604	8 to 10	1-50 or 10	5.25
3E3605	8 to 10	2-50 or 10	6.50

For Sets with Cardon or Kellogg Tubes 3E3606 | 8 to 9 | 2-82B | 4.35 3E3607 | 9 to 11 | 2-50 | 7.10

Reduced Prices!

Add \$1.00 extra for Units sealed in wax. For 25 cycle transformers \$1.50 net to above prices.

Quality Workmanship

All work is done under the direction of skilled, experienced transformer Engineers. We guarantee that the remanufactured transformer will be returned to you in perfect working condition and with electrical characteristics exactly like the original or if the original design was faulty, with improved corrected characteristics.

Fast Service

(1) Send in old Transformer prepaid, with your name and address. (2) Send your order by mall in the regular manner, pabl in full or with a 20% deposit. (3) Specify on your order make, model, and exact tube combination of the Receiver using the Transformer. State line voltage and frequency it is to be used with.



Size	13/4×3	a Inches.	YOUR PRICE44°C						
Stock Num.	Ohm:	Stock Num.	Ohms	Stock Num.	Ohms	Stock Num.	Ohms		
301599 301600 301601	1 2	301610 301611 301612	30 35	3C 62 3C 622 3C 623	400 500	301632 301633 301634	3,500 4,000 5,000 6,000		
301602 301603 301604 301606	3 4 5 7.5	301613 301614 301615 301616	50 75	3C1624 3C1625 3C1626 3C1627			7,500 10,000 12,000		
301606 301607 301608	10 12 15	301617 301618 301619	150 200	3C1628 3C1629 3C1630	2,000	301639 301640 301641	15.000 20.000 25.000		

Center Tapped 10 WATT List, 50c YOUR PRICE 3E1660 3E1661 3E1662

List, Each 40c.

100		20 W	ATT s	ze 2x 7	Inches.		
Stock Number	Ohms)		Stock Number	Ohms	Stock Number	Ohms	List, \$1.00
3 C1642 3 C1643	30,000	List, 75c	3C1647 3C1648	55,000 60,000	3 C1652 3 C1653	80, 000 85, 000	PRICE
3C1644 3C1645 3C1646	40,000 45,000 50 000	445	3C1649 3C1650 3C1651	65,000 70,000 75,000	3C1654 3C1655 3C1656	90,000 95,000 100.000	59¢

OHMITE Wire-Watt List, 25c. YOUR PRICE, Each 15¢

3E | 657 3E | 658 3E | 659



Resist. | Stock

Number	Ohms	Number	Ohms
3 D 8250	100	3 D827 I	2,250
3 D 8 2 5 1	125	3 D 8272	2,500
3 D 8 2 5 2	150	3 D 8273	3,000
3 D 8253	200	3D8274	3,500
3 D 8254	250	3 D 8275	4,000
3D8255	300	3D8276	1,500
3 D 8256	350	3 D 8277	5,000
3 D 8 2 5 7	400	3 D 8278	6,000
3 D 8 2 5 8	500	3 D 8279	7.000
3D8259	600	3 D 8280	7,500
3 D 8260	700	3 D 8281	8.000
3 D 826 I	750	3 D 8282	9.000
3 D 8262	800	3 D 8 2 8 3	10,000
3 D 8 2 6 3	900	3 D 8284	12,500
3 D 8264	1,000	3 D8285	15,000
3 D 8265	1,100	3 D 8 2 8 6	16.000
3D8266	1.200	3 D 8 2 8 7	17.500
3 D 8 2 6 7	1,250	3 D 8288	18,000
3 D 8268	1,500	3D8289	20,000
3 D 8 2 6 9	1.750	8 D 8290	22,500
3 D 8270	2.000	3 D 8 2 9 1	25,000
3 D 8292	30,000	1.1st Price	40c
3 D 8293	35,000	1,181 Files	
3 D 8294	40.000	YOUR	944
3 D 8295	45,000	PRICE	Z4C
3 D B 296	50,000		
			** **

Center Tapped Wire-Watt 3E8240 10 3E8245 3E8241 15 3E8246 3E8342 20 3E8247

YOUR PRICE.....

3E8248

100 200

21¢

Power Cords Line Cord Resistor For AC-DC Sets

29¢



Replacement for voltage resistor cords in A.C.-D.C. sets. Cord has in-built resistor for reducing line voltage to the correct value for the tube filaments

Stock Number	Total Resistance	Voltage Drop
3F1814	330	18.0 to 24.0
3F1815	290	25.0 to 31.5
3F1818	250	32.0 to 44.5
3F1819	220	45.0 to 52.0
3F1820	180	53.6 to 61.0
3F1816	160	62.6 to 68.9
3F1817	135	69.6 to 75.2
YOUR PR	·	··· ·· 21d

Replacement All-Rubber Power Supply Cords

EACH



For replacement on radios, lamps, fans, etc. Wetproof, washable, kinkless 7½ foot long rubber cord with unbreakable soft rubber plug attached to one end. Wires on other end are already stripped and tinned, easy to attach. Underwriters' Approved.

derwriters	Approved.			
3] 80]- 3] 802- 3] 803- 3] 804-	-Brown -Ivory -Grey -Green	Y01	Price, UR PR	ICE

Candohm Replacements For Original Equipment Resistors



Exact duplicate of the eriginal Candohn units used in the sets listed below. Candohn part number shown in listing is identical to number send unit to be replaced, where resistor to be replaced, has no number send unit to us properly tagged with name of set manufacturer.

Factory Number	Total Resistance	Stock Num.	Your Price	Factory Number	Total Resistance	Stock Num.	Your Price
Airline (Se Belmont R-258 R-261 R-268 106-13 106-14	350 40.500 2,480 14,275 5,800	Gardn 3J4984 3J4985 3J4900 3J4901 3J4902	\$0.20 .71 .29 .59 .41	Sparton A-4915 A-5502 A-4974 Stewart- 83963 84196	110 200 1,250 Warner 2,300 900	3J4947 3J4935 3J4936 3J4949 3J4968	\$0.20 .20 .20
Colonial R-7165 R-7280 R-7281 R-11697	8,000 3,500 1,730 1,900	3J4903 3J4905 3J4906 3J4907 3J4908	.41 .49 .59	84273 Stromberg 24200 T. C. A.	31,745 Carlson 5,240 (Clarion)	3J4969 3J4937	.49
Crosley 20176B 20452B 20909 21955 21956	900 4,295 10,000 6,500 3,160	3J4970 3J4971 3J4972 3J4986 3J4987	.49 .71 .49 .49	1819 4268 4269 4435 4445 P-4947 P-4948	15,100 15,580 19,200 250 350 4,190 4,300	3J4938 3J4996 3J4940 3J4941 3J4942 3J4943 3J4944	.59 .71 .71 .20 .20 .41
22574 22574A 22957A 28100 28471	6,415 3,205 1,100 300 33,500	3J4973 3J4974 3J4909 3J4910 3J4911	.59 .59 .29 .29	United A 104418 107236 U. S. Radi	merican 27.000 25,300 o (Grun	Bosch 3J4945 3J4946	.59
28755A 28977 31883 32301	274 15 33,500 25,000	3J4975 3J4912 3J4913 3J4914	82 .29 .49 .49	1752 1754 1959 2303	22,600 250 23,800 3,640	3J4988 3J4948 3J4989 3J4990	1.66 .20 1.66
Erta 9036 9310 9438	45,400 190 145	3J4915 3J4916 3J4917	.71 .59	2303A 2381 2715 2811	3,640 16,000 5,055 4,500	3J4950 3J4991 3J4951 3J4992	.49 .49 .71
1068 1332 Emerson	50,320 7,000 1,500	3J4918 3J4932 3J4919	.20	2811A 3111 3360 3371A 3621	4,450 6,825 24,300 3,200 3,315	3J4994 3J4994 3J4995 3J4952 3J4997	.71 .82 .88 .29
HR-38 HR-36 UR-90 OOR-162 QQR-171A	310 15,000 12,000 25,100	3J4920 3J4933 3J4934 3J4983	.82 .29 .29 .49	3622 4132 4145 4353	4,300 9,910 20,900 8,300 12,725	3J4953 3J4954 3J4998 3J4999	.49 .82 .58
General 1202283	Motors 1,500	3 J 4921	.41	4477 5374 5463 6499	5,000 7,050	3 J4871 3 J4872 3 J4895 3 J4955	.59 .29 .59
Grigsby 7818 8292 8647 9239 9472	(Majes 2,640 2,850 400 10,700 3,850	tlc) 3J4976 3J4977 3J4922 3J4978 3J4923	.41 .41 .29 .71	27416 27448 29115 29641 30393	1,050 32,272 22,000 4,460 9,092 3,000	3J4873 3J4874 3J4887 3J4888 3J4889	.71 .82 .41 1.00
10145 10252 10535 10636 10727	21,702 10,000 2,300 41,750 146	3J4979 3J4980 3J4939 3J4924 3J4925	.71 .29 .41 .82 .41	Wells-Gar 90989A 90974C 91064 98002 98020	8,741 15,738 160 39,050 41,000	3J4956 3J4896 3J4957 3J4958 3J4967	1.42 1.12 .49 .71
11013 11451 12047	40,775 20,931 21,513	3J4926 3J4927 3J4928	1.12 .88 1.12	Wurlitzer 3325 3384	35,500 160	3J4959 3J4960	.71 .49
Internatio R-302 R-303 R-304 R-310 R-329	nal 1,500 310 135 90 4,600	3J4981 3J4982 3J4929 3J4930 3J4904	.20 .82 .20 .20 .29	Zenith 63-163 63-173 63-236 63-251 63-252 63-298	320 750 500 2,405 7,500 250 1,875	3J4961 3J4962 3J4963 3J4898 3J4899 3J4964	.20 .71 .29 .71
Kennedy 11F158	10,000	3J4931	.82	63-302 63-308	1,875 15,290	3J4965 3J4966	.29
							-

Candohmeter Resistance Indicators

An accurate, uniform wire wound resistor Insulated from and enclosed in metal housing with exposed slot permitting contact with resistor. Furnished with insulated handle test prods. Itas two scales, the upper one to determine approximate value, the dower to permit more accurate reading within that range. Serves to determine proper resistance to replace a defective resistor; useful as a voltmace readings with low tange vortices and the server shigh voiting a so server says a calibrated resistor of use in experimental work.



Dual Ranges

314894—itange 0 to 10,000 and 0 to 100,000 ohms. List Price, \$2.00. YOUR PRICE

3J4893—Range 0 to 100 and 0 to 1,000 ohus. List Price, \$1.75.

Electric Soldering Iron 1000 Hour Guarantee on Intermittant Service

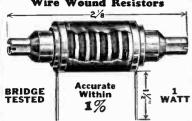
For 105-125 volts 314776-YOUR PRICE .. 29¢



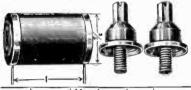
An amazingly low priced fron to serve iron is left plugged in current line all purposes of light soldering. Ideal for long periods of time. Will give for use where only occasional soldering long and satisfactory service. With srequired. Not recommended where 4 ft. cord; % in. tip.

3E8244 List. 35e.

ELECTRAD Precision Wire Wound Resistors



Designed for use in high grade test instruments, laboratory equipment and custom built apparatus. Particularly useful as voltmeter multipliers or for the construction of a 1000 ohms per voil multipliers of the construction of a 1000 ohms per voil multipliers of a 1000 ohms per voil ing compound to insure against variation due to moisture absorption or temperature fluctuation. Non-inductive—low distributed capacity due to high insulation between turns and multiple layer design. Body length above 450,000 ohms 1½ in.



Stock Number	Resist. Ohms	Max. Volts Poten- tial	Cur- rent M. A.	List Price	YOUR
3E8341 3E8300 3E8344 3E8301 3E8346 3E8347 3E8349 3E8350	.1 2.08 5. 10. 25 30. 33.33	38 1.2 1.77 2.7 3.8 6.1 6.82 7.1	3875 1225 847 548 387 245 220 210	\$0.85 .85 .85 .85 .85	50c
3E8302 3E8353 3E8354 3E8303 3E8355 3E8304 3E8356	45 50. 100 150 200 400 500	8.25 8.6 12. 15. 17. 25 27.	182 173 122 100 86 61 55	\$0.85 .85 .85 .85 .85 .85	50c
3E8305 3E8357 3E8358 3E8306 3E8307 3E8359	700 750 1,000 1,450 1,500 2,500	32.4 34. 38. 40. 45. 61.	46 44 38 37 33 24	\$0.90 .90 .90 .90	53c
3E8360 3E8308 3E8361 3E8309 3E8362 3E8363	3,500 4,000 4,450 4,500 4,950 5,000	65. 79. 83. 84 86 87	23 19 18 18 17	\$1.00 1.00 1.00 1.00 1.00 1.00	59c
3E8364 3E8310 3E8311 3E8366 3E8312 3E8367 3F8365	5,500 7,450 9,950 10,000 12,500 14,950 15,000	90 107 122 125 137 150 150	16 14 12 12 11 10 9.7	\$1.00 1.00 1.00 1.00 1.10 1.10	59c 65c
£8368 3E8369 3E8313 3E8370 3E8371 3F8384 3E8372	20,000 25,000 30,000 35,000 40,000 40,500 50,000	173 194 212 229 245 247 274	8.6 7.7 7. 6.5 6.1 6. 5.5	\$1.35 1.35 1.35 1.35 1.35 1.35 1.35	79c
3E8314 3E8315 3E8316 3E8373 3E8317	60,000 75,000 90,000 100,000 125,000	300 336 375 387 433	5. 4.4 4. 3.8 3.4	\$1.60 1.60 1.85 1.85 2.10	94c \$1.09 1.23
3E8318 3E8374 3E8319 3E8375	140,000 150,000 175,000 200,000	450 475 510 548	3.2 3.1 2.9 2.7	\$2.35 2.35 2.35 2.35 2.35	1.38
3E8320 3E8376 3E8377 3E8378	225,000 250,000 300,000 400,000	580 610 670 750	2.5 2.4 2.2 2.2	\$2.60 2.60 2.85 3.00	1.53 1.68 1.76
3E8321 3E8379 3E8322 3E8323 3E8324 3E8325	450,000 500,000 600,000 750,000 900,000 1 Meg.	750 750 770 750 1000 1000	2. 2. 1.6 1.3	\$3.40 3.40 4.25 4.50 4.75 5.25	2.00 2.50 2.65 2.79 3.09

Removable Ferrule Terminals Furnished without ferrules with 1½ in tinned wire leads. Can be converted to ferrule type unit as illustrated above by screwing ferrule into each end of resistor.

of resistor. 3J8299—Ferrules List, per Pair, 25c. 15¢

ELECTRAD TRUVOLT Wire Wound Adjustable Resistors 1000 Volt Insulation



3/8"x13/4" Long

2.5

5 7.5

1000

4000

5000 7500 10000

15000 25000

List Price, Each 50c. YOUR PRICE, Each....

YOUR

 \pm

Resis

Small com-pact flat re-s i s t o r s covered with a moisture proof enamel. Center t a p is accurate to ± long, %" wide.

Stock

3F188 3F189

List Price, 25c.

YOUR PRICE,

1 Watt

Number 3F182 3F183 3F184 3F185 3F186

Adjustable Sliding Clips
To adjust Truvolt resistors to exact value desired.

desired.
3E231—For Type
"A" Truvolt.
3E230—For Types
"B" and "D."

Ohms

Num.

3F150

3F155

3E156 3E157 3E158 3E159

3E161 3E162

3E163 3E164 3E165 3E166 3D167 3E168

3E169

3E174 3E175 3E176 3E177 3E178 rent M. A

100

Max. Volts

3 4.5 5 5.5

8.5

31 45 55

63 70 89

200

400

0 0 0

Max. Volts

4.5 5.5 6.5 7.5 10 12 14

 $\hat{2}\hat{0}$

Size 114'

Tinned lugs ex-

EACH. 15¢

High quality non-oxidizing low temperature co-efficient resistance wire, space erature co-etticient resistance wire, space wound on heat resisting asbestos insulated flexible core which in turn is wound on thread cut groove channels in special high tensile strength fire-proof white lava tubes. Advantages are high power dissipation due to natural air cooling design, easy connection of taps, and durability. Improved adjustable clip permits tapping at any desired point. Protective fiber insulating sleeve. Mounting brackets included. Type A—10 Watts

Type P 25 Watte

TINNED ADJUSTABLE

MOUNTING
POACRET

SESTANCE
ASSISTANCE
ASSISTANCE
ASSISTANCE
ASSISTANCE
COVERNO
WHICE
C Sectional View of Electrad Truvolt Adjustible Resistor

	pe B—			Ту	pe D—	-75 W	Vatts
	1½″x2″		g		11½″x6′	" Lor	ng
Stock Num.	Resist. Ohms	Cur- rent M. A.		Stock	Resist.	Cur-	
3E112 3E113	100 200	500 353		Num.	Ohms	M. A.	
3E114 3E115 3E116	250 300 400	320 289 250		3E190 3E191 3E192 3E193	100 200 300 400	865 610 500 432	
3E117	500	224	List	3E194	500	387	List
3E118 3E119 3E120 3E121	750 800 850 1,000	182 177 165 158	Price 85¢ YOUR	3E195 3E196 3E197 3E198	750 800 1,000 1,250	316 306 274 245	Price \$1.75 YOUR
3E122 3E123	1,250	141 129	49c	3E199 3E200	1,500 2,000	224 194	\$1.03 Each
3E124 3E125 3E126 3E127	2,000 2,250 2,500 3,000	112 105 100 91	Each	3E201 3E202 3E203	2,250 2,500 3,000	182 173 158	Each
3E128 3E129	3,500 4,000	84 79		3E204 3E205 3E206	3,500 4,000 4 ,500	146 137 129	
3E130 3E131	4,500 5,000	75 71		3E207 3E208	5.000	1122	List
3E132 3E133 3E134	6,000 7,000 7,200	64 60 59	List Price 95c	3E209 3E210 3F214	7,000 7,200 10,000	103 102 87	Price \$2.00
3E135 3E136 3F137	7,500 8,000 9,000	58 56 53	YOUR	3F215 3F216 3F217	12,000 15,000 20,000	79 71 61	PRICE
3F138 3F139	10,000 12,000	50 45	56c	3F218	25,000	55	\$1.18
3F140 3F141	15,000	35	333	3F219 3F220 3F221	30,000 40,000 50,000	50 43 39	
3F142 List Pr	25,000 ice \$1.10 PRICE.	32	55c	List Pr	ice \$2.25 PRICE.		. \$1.32
3F143 3F144 3F145	30.000 40.000	29 25 22.5		3F222 3F223 3F224	60,000 80,000 100,000	35 31 27	
List Pr	PRICE		76c	List Pr YOUR	PRICE.		\$1.47
Contract.	andmin an	annua d	handle ding	Center	Tapped Re	esistor	0

PRICE, Each....5¢ Electrad Center Tap Resistors

Variable Voltage Dividers Each has 4 sliding taps which en-ables the serviceman to obtain various voltages, depending upon the circuit used.

3F225—Type C-130-S. 13. ohms. 50 watts. List, \$1.65.76¢ YOUR

PRICE 3F226—Type C-250-S. 25.000 ohms. 50 watts, List, \$1.90.

YOUR PRICE 3F227—Type D-250-S. 75
watts—Special heavy duty unit for
use where excessive current is
used—25,000 ohms. List, \$2.30.

\$1.25 YOUR

Center Tap	ped Resistor	
Each		
8¢		
		5
Ten For	2)	
1/2	Watt Capacity	

Wire wound on fiber strip. Lugs firmly clamped on. Can be bent to any angle for mounting. Overall length about 1½". Accurate within 5%. Stock 1 I Stock i

Tini	ned "B	us" W	ire
3F493	20	3F497	50
3F492	iš	3F496	40
3F491	10	3F495	30
3F490	6	3F494	25
Number	Ohms	Number	Ohms

No. 14. Cut into two-foot lengths.

3J2067—Round, 10 Lengths. (20 feet) 12¢ 100 lengths (200 feet) ..\$1.05

Wire Wound Resistors—Pigtail Types Wound on genuine Bakelite Strips 1%" long, 1/2" wide, 1/4" thick, wire leads 11/2" long. Wire May Be Unwound for Special Values of Grid Blas Resistance.

Standard Type Center Tapped YOUR PRICE, EACH ... 11¢

5% YOUR PRICE, Each 10¢ Ten for 95c Tolerance | Stock | | Stock | | Stock |

. 1							TOOK PRICE, EXCIT P					
	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	TEN FO)R		98c
5	3E400 3E401	14	3E412 3E414	15 20	3E425 3E426	200 225	3 E 4 3 9 3 E 4 4 0	700 750	Stock Number	Ohms	Stock Number	Ohms
9	3E401 3E402 3E403 3E404 3E405	1 1 1/2 2 3	3E414 3E415 3E416 3E417 3E418	25 30 36 40	3E427 3E428 3E429 3E431	250 250 275 300 350	3E441 3E442 3E443 3E444	800 900 1000 1250	3 E 4 5 5 3 E 4 5 6 3 E 4 5 7 3 E 4 5 8	6 10 12 15	3E464 3E465 3E466 3E467	50 60 70 80
t t	3E406 3E407 3E408 3E409 3E410 3E411	4 5 6 8 10	3E419 3E420 3E421 3E422 3E423 3E424	50 75 100 125 150 175	3E433 3E434 3E435 3E436 3E437 3E438	400 450 500 550 600 650	3E445 3E446 3E447 3E448 3E449 3E451	1500 1750 2000 2250 2500 3000	3E459 3E460 3E461 3E462 3E463	18 20 25 30 40	3E468 3E469 3E470 3E471 3E472	100 150 200 300 400

IRC Metallized Resistors

New Insulated Metallized Resistors



I.R.C.—1 Watt

Length 11/2" List, 25c Each YOUR PRICE 15¢

Heavy casing of insulating material moulded around metallized filament resistance element scaling it from moisture and protecting it against shorting—shock—breakage—overload or grounding on other parts. Both color coded and individually marked with resistance value and wattage rating. Quiet and Reliable. Accuracy 10% ±.

Stock Number	Ohms	Stock Number	Ohms
3F11	300	3F72	22,500
3F12	350	3F73	25,000
3F13	400	3F74	30,000
3F14	450	3 F 7 5	35,00 0
3F20	500	3 F 76	40.000
3F21	600	3F77	50,000
3F22	750	3 F 7 8	60,000
3F23	800	3F79	65,000
3F26	1,000	3F90	70,000
3F27	1,250	3F91	75,000
3F28	1,500	3F92	100,000
3F29	2,000	3F93	125,000
3F30	2.250	3F94	150,000
3F31	2,500	3F95	200,000
3F32	3,000	3F96	250,000
3F33	3,500	3F97	300,000
3F34	4,000	3 F 98	400,000
3F35	5,000	3 F 9 9	500,000
3F36	6,000	3F100	600,000
3F37	7,000	3F101	750.000
3F38	7,500		Meghom
3F39	8,000	3F102	1.0
3F40	9,000	3F103	1.5
3F43	10,000	3F104	2.0
3F44	11,000	3F105	3.0
3F45	12,000 12,500	3F106	4.0
3F46	12,500	3F107	5.0
3F47	15.000	3F108	6.0
3F48	17,500	3F109	7.0
3F71	20,000	3F110	10.0

I.R.C.



1.1st. 20c. YOUR PRICE FACH

I(R)C

12¢

Stock Number	Ohms	Stock Number	Ohms
3F1469	100	3F1563	15,000
3F1470	150	3F1564	17,500
3F1471	200	3F1565	20,000
3F1472	250	3F1566	22,500
3F1473	300	3F1567	25,000
3F1491	350	3F1568	30,000
3F1492	400	3F1569	35,000
3F1493	450	3F1570	40,000
3F1439	500	3F1571	50,000
3F1494	600	3F1572	60,000
3F1495	750	3 F1573	65,000
3F1496	800	3F1574	70,000
3F1497	1,000	3F1575	75,000
3F1498	1,250	3F1576	100,000
3F1499	1,500	3F1577	125,000
3F1548	2.000	3F1578	150,000
3F1549	2.250	3F1579	200,000
3F1550	2,500	3F1580	250,000
3F1551	3,000	3F1581	300,000
3F1552	3,500	3F1595	400,000
3F1553	4,000	3F1596	500,000
3F1554	5,000	3F1597	600,000
3F1555	6,000	3F1598	750,000
3F1556	7,000	3F1868	1.0 Meg.
3F1557	7,500	3F1869	1.5
3F1558	8,000	3F1870	2.0
3F1559	9,000	3F1871	2.5
3F1560	10,000	3F1872	3.0
3F1561	11,000	3F1873	3.5
3F1562	12,000	3F1874	5.0 Meg.

Genuine IRC-The original Metallized Resistors-dependable, most efficient, made for modern Radio Sets. Accuracy 10%.

IRC 1 Watt



Stock Numb e r	Ohms	Stock Number	Ohms
3E1375	100	3E1402	30,000
3E1376	150	3E1403	32,000
3E1377	200	3E1404	40,000
3E1378	250	3E1405	45,000
3E1368	300	3E1406	50,000
3E1369	350	3E1407	51,000
3E1370	400	3E1408	60,000
3E1379	500	3E1438	65,000
3E1371	600	3E1409	70,000
3E1372	750	3E1410	75,000
3E1373	850	3E1411	99,000
3E1380	1,000	3E1412	100,000
3E1374	1,25 0	3E1413	150,000
3E1381	1,350	3E1414	190,000
3E1382	1,500	3E1415	200,000
3E1383	2,000	3E1416	240,000
3E1384	2,250	3E1417	250,000
3E1385	2,500	3E1418	300,000
3E1386	3,000	3E1419	400,000
3E1387 3E1388 3E1389 3E1390 3E1391 3E1392	3,500 4,000 5,000 6,000 7,000 8,000	3E1420 3E1421 3E1422 3E1423 3E1424	490,000 500,000 750,000 Megohms 1.0 1.5
3E1393	9,000	3E1425	2.0
3E1394	10,000	3E1426	2.5
3E1436	11,000	3E1427	3.0
3E1437	12,500	3E1428	3.5
3E1396	13,000	3E1430	5.0
3E1397	15,000	3E1431	6.0
3E1398	17,500	3E1432	7.0
3E1399	20,000	3E1433	8.0
3E1400	22,500	3E1434	9.0
3E1401	25,000	3E1435	10.0

IRC 2 Watt



1	US .			
	Stock Number	Ohms	Stock Number	Ohms
	3E1500 3E1501 3E1582 3E1502 3E1583 3E1584	50 100 200 250 300 350	3E1520 3E1521 3E1522 3E1523 3E1524 3E1525	12,500 15,000 20,000 25,000 30,000 40,000
	3E1585 3E1503 3E1586 3E1504 3E1587 3E1505	400 500 600 750 850 1,000	3E1526 3E1527 3E1591 3E1592 3E1593 3E1528	50,000 51,000 60,000 65,000 70,000 75,000
	3E1506 3E1507 3E1508 3E1509 3E1510 3E1588	1,250 1,500 1,750 2,000 2,250 2,500	3E1529 3E1530 3E1531 3E1532 3E1533 3E1534	100,000 125,000 150,000 175,000 200,000 250,000
	3E1511 3E1512 3E1513 3E1514 3E1515 3E1516	3,000 3,500 4,000 5,000 6,000 7,000	3E1535 3E1537 3E1538 3E1539 3E1540	300,000 400,000 500,000 750,000 Megohms 1.0
	3E1589 3E1517 3E1518 3E1519 3E1590	7,500 8,000 9,000 10,000 11,000	3E1594 3E1542 3E1544 3E1547	1.5 2.0 3.0 5.0

Philco Headquarters See pages 134 to 139 for Philco radio replacement parts.

Metallized Auto Radio Suppressors IRC

3F 1485-Spark Plug Type.

<u>L(R) c</u> 3F 1487-Distributor Type.

Metallized

3F | 486-Cable Type.



-(50,000 ohms) Special

List Price, 30¢, YOUR PRICE (All Types). 18¢ EACH

The Radolek Company is head-quarters for the most complete and advanced line of radio repair parts, test equipment and public address systems. Radolek's "Wholesale Only" policy protects your profits. See page 5 for details. **New IRC Fused Dual Resistance Indicator**

Two ranges obtained by tilting ball bearing slider to the scale desired. Low range, 100 to 10,000 ohms, high range 10,000 to 100,000 ohms. Jittefluse protects the resistance element against overheating.

IRC Certified

Handy 1-Watt Kit

20-1 Watt Resistors

3F 1475—List. \$4.00. \$2.40

Contains 20 metallized units of the most used sizes. Makes it possible for the man who is doing repair and replacement work to secure hundreds of different values. Pocket size. Contains one each of: 500. 1000, 2,000, 5,000. 10,000, 15,000, 20,000, 25,000, 50,000, 60,000, 75,000, 75,000, 100,000, 200,000 ohms; ½, ½, 1, 1½, 2 and 3 megohms.

I. R. C. Headquarters

against overheating.

Featured Applications
Quickly indicates the proper resistance value for best results in ANY circuit.
Enables you to check even the "dead" resistors and all others—including those which may have changed in value. Also useful for measuring or determining resistance values for volume controls, as a calibrated potentiometer or voltage divider or as a temporary standard resistor.

ISSTANCE BUILDICATOR

3F1483-List, \$4.50, \$2.64 YOUR PRICE

I.R.C. Power Wire Wound Resistors



Machine work Machine wound evenly spaced high quality wire on a non-moisture absorbing ceramic core. Covered overall with a newly developed moisture-proof cement coating. Tolerance 5%.

10 Watt—Type P.B. Size 1 1/4" x5/16"

Stock	Resist.	Stock	Resist.
Number	Ohms	Number	Ohms
3J1280	10	3J1300	2,250
3J1281	15	3J1301	2,500
3J1282	20	3J1302	3,000
3J1283	25	3J1303	3,500
3J1284	50	3J1304	4,000
3J1285	75	3J1305	4,500
3J1286	100	3J1306	5.000
3J1287	150	3J1307	6,000
3J1288	200	3J1308	7.000
3J1289	250	3J1309	7,500
3J1290	300	3J1310	8,000
3J1291	400	3J1311	9,000
3J1292	500	3J1312	10,000
3J1293 3J1294 3J1295 3J1296 3J1297 3J1298 3J1299	600 750 800 1,000 1,250 1,500 2,000	3J1313 3J1314 3J1315 3J1316 3J1317 3J1318	11,000 12,000 12,500 15,000 20,000 25,000

YOUR PRICE

20 Watt-Type P.C.

	Size 2	"x9/16"_	
		3J1322 3J1323	40,000 50,000
D-4	75.		

I.R.C. Resisto-Chest

YOUR PRICE

Just the Thing for Your Service Bench—Holds Several Hundred Resistors—Has Many Other Uses



Resisto-Cabinet Free with the Purchase of 56 I.R.C. In-sulated Resistors

3][545—The assortment consists of the most frequently used ranges of resistor values and is contained in the handy Resisto-Chest described above. Two each of the most popular values. Chest complete contains 2 each 1 watt New Insulated Resistors of following ranges:

300	5.000	30,000	200,000
500	7,500	40,000	250,000
1,000	10,000	50,000	300,000
1.500	12,500	65,000	500,000
2.000	15,000	75,000	1.0 Meg.
2,500	20,000	100,000	1.5 Meg.
3,000	25,00 0	150,000	2.0 Meg.

You pay only the price of the resistors. List Price of Resistors, \$14.00.

YOUR PRICE. With Cabinet \$823

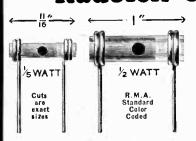
Chest Only

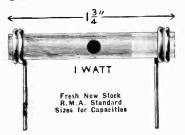
Chest Only

A sturdy fibreboard chest with seven
small drawers and one large drawer.
Each drawer is divided into small
compartments for stocking various
values of resistors. Ranges can be
conveniently marked on drawers.
Makes it easy to select the desired
values and to check your resistor
stock. Cabinet size: 8%" high, 4%"
wide, and 5%" deep.
3/1543—
YOUR PRICE

YOUR PRICE 90¢

Radolek Certified Carbon Resistors







Certified Quality

Finest quality, new fresh stock direct from the factory. The development of years of extensive research and manufacturing experience. Resistance is permanent, within a narrow range even when operated at overloads for a long period of time. Have only slight temperature coefficients at ordinary voltages. The resistance—after first few minutes of operation becomes constant. Free from capacity effect. Unaffected by humidity. Negative temperature coefficient. Conservative wattage rating, will carry reasonable overloads safely. These efficient and accurate resistors are highly recommended for all repair work.

No Serviceman Can Afford to No Serviceman Can Attord to Waste His Time or Jeopardize His Reputation Using Inferior "Job Lot" or "Surplus" Resistors. Resistors Offered At Lower Prices Are of Inferior Quality and Expensive At any Price. Don't risk your profit dollars to save a few purchase pennies!

Guaranteed Accuracy

Variations from values are negligible. Ratings guaranteed within 10% average variations close to 5%. Unusually quiet and become MORE QUIET the longer in use. Very strong and sturdy. Will stand all reasonable handling in manufacturing and repairing. All have welded-on 1½ inch tinned copper wire leads. Perfect and permanent electrical and mechanical contact. Each resistor marked with standard R.M.A. color code or labeled with rated resistance. Modern laboratory machines and methods used in testing these resistors reject all units that do not pass these rigid standards of accuracy and quality.

Be Fair to Yourself and Your Customer! We recommend a re-sale price of \$1.00 for Certified Quality Resistors. With this gen-erous profit you cannot afford to risk your reputation as a service-man with "odd lot" or "second" quality cheap resistors. Use qual-ity Radolek Certified Resistors.

Buy With Confidence

These Radolek highest quality carbon resistors are made by the recognized leading Resistor Manufacturers. We well know that there are resistors offered by many others at lower prices than quoted here. But Radolek refuses to handle products of doubtful quality. Servicemen can always be sure of receiving only the Highest Quality Carbon Resistors when dealing with Radolek. We always have supplied only the finest quality resistors as "Radolek Certified Carbon Resistors." You can be assured that you will always get the Same Pirts Quality Resistors when you order "Radolek Certified Carbon Resistors."

Radolek has tested carbon re-Radolek has tested carbon resistors sold by other companies at these same prices. Our tests have proven that in most instances resistors of inferior quality are being offered. Although Radolek is meeting competitive quotations, Radolek will not lower the quality.

1/5 WATT

10 for

1 WATT

2 WATT 10

Per Hundred\$3.65 | Per Hundred\$4.20 | Per Hundred

10

10

......\$4.95 Per Hundred\$8.50

Specify Size and Resistance by Stock Number

Specify Size and Resistance by Stock Number														
Resistance Ohms	% Watt Stock No.	Stock No.	I Watt Stock No.	2 Watt Stock No.	Resistance Ohms	55 Watt Stock No.	Stock No.	l Watt Stock No.	2 Watt Stock No.	Resistance Ohms	Stock No.	Stock No.	1 Watt Stock No.	2 Watt Stock No.
100 150 200 250 300	3F1000 3F1001 3F1002 3F1003 3F1004	3F1075 3F1076 3F1077 3F1078 3F1079	3F1150 3F1151 3F1152 3F1153 3F1154	3F1235 3F1236 3F1250 3F1237	3,500 4,000 4,500 5,000 6,000	3F1021 3F1022 3F1023 3F1024 3F1025	3F1096 3F1097 3F1098 3F1099 3F1100	3F1171 3F1172 3F1173 3F1174 3F1175	3F1242 3F1258 3F1243	100,000 156,000 206,000 250,000 306,000 100,000	3F1041 3F1042 3F1043 3F1044 3F1045 3F1046	3F1116 3F1117 3F1118 3F1119 3F1120 3F1121	3F1191 3F1192 3F1193 3F1194 3F1195 3F1196	3F1267 3F1268 3F1249 3F1269 3F1272 3F1273
350 400 450 500 600	3F1005 3F1006 3F1007 3F1008 3F1009	3F1080 3F1081 3F1082 3F1083 3F1084	3F1155 3F1156 3F1157 3F1158 3F1159	3F1238 3F1251	7 000 8 000 9,000 10,000 12,500	3F1026 3F1027 3F1028 3F1029 3F1030	3F1101 3F1102 3F1103 3F1104 3F1105	3F1176 3F1177 3F1178 3F1179 3F1180	3F1259 3F1244 3F1245 3F1260 3F1261	Megohms .5 .6 .75	3F1047 3F1061 3F1062 3F1063	3F1122 3F1136 3F1137 3F1138	3F1197 3F1211 3F1212 3F1213	3F1270 3F1274
700 800 900 1,000 1,250	3F1010 3F1011 3F1012 3F1013 3F1014	3F1085 3F1086 3F1087 3F1088 3F1089	3F1160 3F1161 3F1162 3F1163 3F1164	3F1252 3F1239 3F1253 3F1254 3F1240	15,000 17,500 20,000 22,500 25,000	3F1031 3F1032 3F1033 3F1034 3F1035	3F1106 3F1107 3F1108 3F1109 3F1110	3F1181 3F1182 3F1183 3F1184 3F1185	3F1262 3F1263 3F1264	1.0 1.5 2.0 2.5 3.0	3F1048 3F1049 3F1050 3F1051 3F1052	3F1123 3F1124 3F1125 3F1126 3F1127	3F1198 3F1199 3F1200 3F1201 3F1202	3F1271
1,500 1,750 2,000 2,250 2,500 3,000	3F1015 3F1016 3F1017 3F1018 3F1019 3F1020	3F1090 3F1091 3F1092 3F1093 3F1094 3F1095	3F1165 3F1166 3F1167 3F1168 3F1169 3F1170	3F1255 3F1256 3F1241 3F1257	30,000 40,000 50,000 60,000 75,000	3F1036 3F1037 3F1038 3F1039 3F1040	3F1111 3F1112 3F1113 3F1114 3F1115	3F1186 3F1187 3F1188 3F1189 3F1190	3F1246 3F1247 3F1265 3F1248 3F1266	3.5 4.0 5.0 6.	3F1053 3F1054 3F1055 3F1056 3F1060	3F1128 3F1129 3F1130 3F1131 3F1135	3F1203 3F1204 3F1205 3F1206 3F1210	



The RADISTOR Kit

Twenty-Four "Certified" Replacement Resistors

In Compact Lacquered Metal Carrying Case

Without Metal Case

-1 Watt Kit....\$1.22 -½ Watt Kit.... 1.05 -½ Watt Kit.... 85 1. Watt Kit... \$1.62 311220-14 Watt Kit... 1.45 311221-15 Watt Kit... 1.25 311222

These kits enable the serviceman to make practically any resistor repair regardless of any unusual value resistance needed. Twenty-four of the most popular value resistors are included as follows: 1 each—100; 250; 400; 500; 800; 1,00; 2,000; 3,000; 5,000; 6,000; 10,000; 12,500; 15,000; 20,000; 20,000; 40,000; 50,000; 60,000; 10,000; 10,000; 20,000; 10,000; 20,000; 10,000; 20,000; 10,000; 20,000; 60,000; 10,000; 10,000; 20,000; 10,000;

In the Metal Box

Resistors are always ready kit in your tool box, on the and safe. Strong, green lacquered heary guage steel boxes protect the resistors against the rougnest handling. Drop the

Certified Quality Assures Dependable Performance Use These High Quality Resistors for All Jobs

SPECIAL BARGAIN Carbon Resistor Kit



3] 1229—Kit of 100 Resistors. \$ 1 50

Watt Resistors of values most commonly used by radio manufacturers. Tolerance within 20%. R.M.A. color coded. 1½" long timed whre leads. Packed in cardboard hoxes. Superior in quality to most resistors offered at this price and even at higher prices, but not equal in quality to Radolek Certified Carbon Resistors.

Metal Box Only 3F1233-Case Only. No Re-

THORDARSON Build-it **Amplifiers** Yourself



T5730-30 watt **Amplifier Kit**

- Operates from 110-120 volts, 60 cycle A.C. 10 tubes—four stages of amplification. Gain of 118.4 decibels from a 100,000-ohm input. Negligible hum, down 47.2 D.B. from maximum
- Adapted to crystal, carbon, ribbon, and dy-namic microphones or 200-ohm line input or 10,000-ohm high impedance radio or phono-pickup circuit. Provides current for carbon microphones.

- pickup circuit.
 Provides current for carbon microphones.
 Handles from one to six large dynamic speakers.
 Supplies 30 wats field current.
 Output tapped at 4, 8, 15 and 500 ohms.
 Two-unit base for rack-and-panel, portable or
- shelf use.
 Tone control, volume control, and switch simplify the operation.

Official Parts Price List Thordarson Foundation Unit

3J10120 Amplifter and power supply bases with all sockets mounted and holes drilled, sub-assembly base, resistor mounting and terminal strips. Complete instructions, diagrams, and assembly layouts. List, \$8.00.

Thordarson Chokes & Transformers
3J4300—T-7550 Power Transformer \$4.70
3J430 -T-7551 Filter Choke 3 53
3J3518-T-1892 Filter Choke 1 A3
314302—T-7430 Filter Choka 98
314303—T-5319 Choke 79
314304—T-7549 Choke .79
314305 T-7431 Tapped Input Imped. 2.20
314306-T-7432 Push-Pull Interstage 2.20
314317-T-6792 Output Transformer 3.53
3J4339-Essentials Kit. Consists of all neces-
sary Chokes and Transformers as listed above.
List Price, \$33.45. YOUR PRICE \$19.67
Aerovoy Condensor Kit

Aerovox Condenser All SJ8916—Contains all necessary paper and electrolytic condensers. (14 in all). List Price, \$8.75.

Resistor Kit

3J1215—Contains all necessary resistors and
rariable controls. (Continental, Ohmite, Electrad). List Price, \$9.80.

\$5.76

Miscellaneous Parts Kit

314342—Contains switches, tube shields, all cables, power cord, knobs, dlal plates, plugs, hook-up wire and all necessary hardware. PRICE

Sylvania Tube Kit

3J480 Includes 2-6C6, 2-76, 4-2A3, 1-83, 1-82 types Sylvania Tubes. List. \$11.10. \$5.66

T5718-18 Watt Amplifier Kit

- Operates from 110-120 volts, 60 cycle A.C. Crystal, Ribbon, Dynamic, or Carbon Microphone may be used without changing circuit. One 5000 or two 2500, or four 1250 ohm field dynamic speakers—25 watts field supply. Terrific gain—114.9 D.B. for a crystal mike. New input circuit—over-all gain compensated for any type input circuit!

 Low and High impedance input terminals for radio, phono-pickup, or line input!

 Ample current for double-button carbon mike. Pre-amplifier is an integral part of circuit. Two-unit base—amplifier alone may be converted to use 6 volts and motor-generator B power for mobile or field use.

Official Parts Price List Thordarson Foundation Unit

3J10121—Amplifier and power supply bases with all sockets mounted and holes drilled, subsasembly base, resistor mounting and terminal strips. Complete instructions, diagrams, and assembly layouts. List Price, \$6.00.

Thordarson Chokes & Transform	ers
3J4307-T-7428 Power Transformer	\$3.82
314308-T-7429 Power Choke	2.79
313518—T-1892 Filter Choke 314302—T-7430 Filter Choke	1.03
3J4304-T-7549 Filter Choke	70
3J43O3—T-5319 Input Impedance Choke	79
3J4305—T-7431 Tapped Input Imped. 3J4306—T-7432 Push Pull Input Trans.	
3143 4 T-6594 Universal Output Trans	2.20
3J4340—Essentials Kit. Consists of all	neces-
sary Chokes and Transformers as listed	above.
VOUR PRICE \$29.70.	7.44
1005 Philip	7 ******

Aerovox Condenser Kit

3J8917—Contains all necessary paper and electrolytic condensers. List, \$9.00.

Resistor Kit

Miscellaneous Parts Kit

3J4343—Contains switches, tube shields, knobs, dial plates, 5 ft. shielded cable, power supply cord, cable connector and plugs, hook up wire, and all necessary hardware. YOUR PRICE

Sylvania Tube Kit

3J481—Includes 2-606, 2-76, 2-42, 1-82, 1-83 type Sylvania Tubes, List, \$7.90. \$4.02



T5706-6 Watt Amplifier Kit

- Operatos on 110-120 volts, 60 cycle A.C. Crystal, ribbon, dynamic, or carbon microphone may be used without chansfing circuit. One 5000 or one or two 2500 ohm field dynamic speakers supplied from 10 wat field power cir-
- cuit.

 Gain of 106.25 D.B. for a crystal microphone.

 New input circuit—low and high impedance terminals for radlo, phono-pickup, or line in-
- Ample button current for double-button carbon
- Ample button current for double-button carbon microphone.
 Single-unit base for rack-and-panel, portable or shelf use.
 Two 6C6, two 42's in Class A, and an 80 are the tubes used.
 Circuit may be easily changed to use 6-volt filament and motor-generator B power for mobile or field use.

Official Parts Price List Thordarson Foundation Unit

3J10122—Chassis base with all sockets mounted and holes drilled, sub-assembly base, resistor mounting and terminal strips. Complete instructions, diagrams, and assembly layouts.

List Price, \$4.50.

YOUR PRICE

*205

Thordarson Chokes & Transformer \$1,4309 -T-7547 Power Transformer \$2.20 \$314305 -T-651 Output Transformer \$2.20 \$314305 -T-7431 Tapped Input Imped. \$2.20 \$314302 -T-7430 Filter Choke \$1.18 \$313524 -T-5753 Filter Choke \$7.9\$

3J4341—Essentials Klt. Consists of all necessary Chokes and Transformers as listed above. List Price, \$16.10.

YOUR PRICE \$9.47

Aerovox Condenser Kit 3J8918—Contains all necessary paper and electrolytic condensers. (11 in all).
List Price, \$7.48.

YOUR PRICE\$4.39

Resistor Kit

3J1217—Contains all necessary resis variable controls. (Ohmite and Electrad) List Price. \$5.45. resistors and

Miscellaneous Parts Kit

3J4344—Contains switches, tube shields, knobs, dial plates, shielded cable, power supply cord, pluss, hook-up wire, and all necessary hardware. YOUR PRICE \$2.27

| Sylvania Tube Kit | 3J482—Includes 2-6(6, 2-42, 1-80 type Sylvania Tubes. List Price, \$5.00. | \$2.57

Carrying Case



For Thordarson Amplifiers 3J10484 Your Price

Especially constructed for Thor-darson 6 Watt, 18 Watt, 18 Watt, and 30 Watt Amplifiers. Case per-

Am p lifters.
Case permits mounting power in the single unit 6 watt amplifier their when vides space for accessories or speaker. Constructed of ply-wood covered with durable brown fabricoid. Hemovable side cover with secure fasteners. Reinforced corners. Overall size: 21½"x19"x10½". Note: Dual Speaker Case Listed on Page 105. 105.

Etched Aluminum Indicating Plates

Black Background—Polished Aluminum Raised Markings















3J6220

3 16224



3J6227 3J6228

3.16229

3J6226

Heavy 24 Gauge Price List

Size: 2 h "x1 15". Use with 1 1/4" long pointer knob. Stock numbers 316210 to 316220 Inclusive. List, 30c. 316210 Your Price 10¢

Size: 254"x2½". For 2½" iong pointer knob, Stock numbers 3J6221 to 3J6224 inclusive. List, 35c. 15¢

Size: 2%"x%". For toggle switches For toggle switcher Stock number 3J6225 to 3J6229 3J6229 inclusive. List, 20c, Your Price



Jefferson

Universal Audio Replacements **Outputs, Chokes**

Straight Audio, 1 to 2 Ratio



For underchassis replacement in any A.C. or D.C. set. Brackets for vertical or horizontal mounting.
Range ± 4 db. 120 to 5000 cycles. Wt. ½ lbs. Size 2%"2", "2", "". Flexible leads

leads. 3D4281-Code 467-164.

List Price, \$1.35. 73¢ YOUR PRICE

Push-Pull Input or Straight Audio

For use in any A.C. or D.C. receiver. Designed for push-pull, 1 to 3 ratio, amplification. By not connecting center tap, a 1 to 6 ratio straight audio is obtained. May be mounted in four positions with universal brackets. Lugs and timed leads combined for convenient connections. The audio response curve is ± 4 db. from 80 to 3500 cycles at 1 to 6 ratio. Size 12°x2% x1%" high. Wt., 1 lb. 1 1h



3E4278-Code 467-168. List, \$1.95 ...94¢ YOUR PRICE

Universal Choke "30" Henry

An all-purpose filter choke "30" Henry

An all-purpose filter choke incorporating universal mounting features. Recommended for use in all circuits requiring a quality choke of sturdy and generous proportions. Windings are vacuum impregnated to remore all trace of moisture and to guard against re-absorption. Connections brought and leads. Resistance 275 ohms; maximum current carrying capacity 100 mils. Size 2"x2%"x2" high. Shpg. wt., 1% lbs.
3E4296—Code 466-125.
List Price, \$1.75.



Replacement Type Audios

Straight Audio

Manufacturer's type, ratio 1 to 2. Used in
many sets to couple 27
detector to 26 tube or
from a 26 to a 71A. 10
Ma. Plate current limit.
Size 3"x1%"x15%". Wt. 1



3E4265→ Code 467-401 List Price, \$1 \$1.05.

62¢ YOUR PRICE

Push-Pull Input

Manufacturer's type, ratio 1 to 2. For coupling a 26, 01A, or 27 tube to push-puli 112A, 71A, or 45 tubes, 10 Ma. Plate current limit. Sizes 3"x 18"718". Vt. % lbs. 3E4266—48-402. List Price, \$1.10.

YOUR PRICE ..

Large Size Replacement





3E4268-467-404. List Price, \$1.40. YOUR PRICE... 82¢

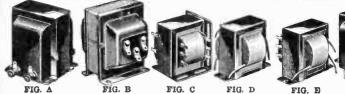
Increased core size and heavier whre greatly improve the audio response cure of this transformer on service jobs where results better than obtained with the original unit are desired. ± 4 db. from 90 to 4000 cycles.

Thordarson and Jefferson Transformer Headquarters

Radolek will make immediate shipment on all types of Jefferson or Thordarson transformers. If the transformer you require is not listed on this page send us your order and we will make quick ship-ment at the Regular Dealer Price.

See pages 50 and 104 for Thordarson and Jefferson P.A. Transformers.

HORDARSON TRANSFORMERS AND CHOKES



AUDIO TRANSFORMERS

HORDARSON

FIG. F

									_	_		_
Typical	Thor.	Turns	Stock		Your		rimary	Mtg.		mensi	ons	Mtg.
Application	Туре	Ratio	Number	Price	Price	M. A.	D.C. Ohms	Fig.	H.	W.	D.	Holes
Single Plate 27, 56, etc. to Single Grid	R-100 T-2999 T-5736 R-103 T-5737	1:2 1:2 1:2 1:2 1:3	3 J 3 4 8 5 3 J 3 4 8 6 3 J 3 4 8 7 3 J 3 4 8 8 3 J 3 4 8 9	\$1.75 1.75 2.00 2.00 3.00	1.18 1.18	88 88 88 88	1217 1296 1296 1296 1296 2385	C B F C B	2 1/8 2 1/8 2 1/4 2 1/4	2 2 2 2 2 2 2 3	1% 2 2% 1% 2%	Univ. 21/4 21/4 Univ. 21/4
56, 45, 47, etc.		1:3	3J3490	3.25		8	2385	F	3	216	214	2%
Single Plate 27, 56, etc. to P-P Grids 56, 45, 47, etc.	T-3391 R-101 T-5740 T-4304 T-5741 T-5742* T-5743*	1:3.2 1:3.2 1:3 1:3 1:3 1:3 1:3	3J3491 3J3492 3J3493 3J3494 3J3482 3J3495 3J3496	2.00 2.25 3.50 4.00 3.75 3.50 3.75	1.18 1.32 2.06 2.35 2.20 2.06 2.20	8 8 8 8 8 8 8 8	1394 1394 2694 2694 2694 2159 2159	B C B A F B F	2 % 2 % 3 3 3 3 3 3 3 3 3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 1 1/2	2 1/4 Univ. 2 1/4 2 1/4 2 1/4 2 1/4
Single Plate 30 or 49 to P-P Grids 19 or 49	T-5463° T-7846°	1:2.4 1:1.14	3 J 3483 3 J 3484	2.75 1.65		7 3	20,000 1,280	F D	23%	2 1 1/4	1 % 1 %	2% 2%
P-P Plates 27, 56, etc. to P-P Grids 56, 45, 47, etc.		1:1.3 1:1.3 1:1.5	3J3497 3J3498 3J3499	3.50 3.75 3.50	2.06 2.20 2.06	8 8 13	4268 4268 3180	B F B	3 3 3	21/3 21/3 21/3	2 2 2 2	21/6 21/6 21/6

*High peak for power detection. "For use in Class B circuits.
†May carry grid current in Class AB, but should not be used in final Class B stages.

OUTPUT TRANSFORMERS For Receivers and Amplifiers

Thor.	Typical Applic	cation	Stock	List	Your	Primai	·v	Mtg.	Dir	one	Mita	
Type	Primary	Secondary				D.C.Ohms	M.A.	Fig.	H.	W.		Holes
T-5701 R-107	Single or P-P power tubes	.1 to 29 ohms	3 J 3500 3 J 3501	\$2.00 2.25			20 20		2 1/4 2 1/4	2 2 1/8	2 1 1/8	2¾ Univ.
T-3399	P-P 45, etc.	6-12 ohms	3J3502	1.75	1.03	600	25	В	2 1/1	2	2	238
T-6748	P-P 45, etc. Class A Single 53 Class B	4-8-15- 500 ohms	3 J 3504	3.75	2,20	414	25	F	3	21/2	21/2	2 7/8
T-6751	P-P 2A5, etc. Class A P-P 79, etc. Class B	4-8-15- 500 ohms	3 J 3 5 0 5	3.75	2.20	426	31	F	3	21/2	21/2	21/6
T-6594	P-P 50, etc. Class A P-P 2A5 Class AB	4-8-15- 500 ohms	3 J 3 5 0 6	5.00	2.94	394	31	F	314	2 1/6	3	31/6
T-6754	P-P 2A3 Class AB	4-8-15- 500 ohms	3 J 3507	5.00	2.94	149	64	F	31/2	2 1/8	3	31/4
T-6752	P-P 46 or 59 Class B	4-8-15- 500 ohms	3J3508	5.00	2.94	251	50	F	31/2	2 1/6	3	31/4
T-6806	P-P 2A5, etc.	10 ohm V.C. or 2000 ohm mag. spk.	3 J 3509	2.50	1.47	251	25	F	2%	2	1 7/8	2%

FILAMENT TRANSFORMERS Primary 115 Volts, 60 Cycles

Thor.	Input Watts		A.	Sec.	A.	Sec.	CT A.	Stock No.	List Priec	Your	Mtg.	Di H.	mensi W.	ons D.	Mtg. Holes
T-5061 T-5469 T-5455	10 15 30	2.5 2.5 2.5	3.5 5 10						\$1.50 2.25 2.75		F	234 234 334	2 2 3	17/8	2 1/8 x 2 1/4
T-6399	20	5	3					3F3513	3.50	2.06	D	31/4	2 1/2	3	111/6x21/6
T-6185* T-7360	20 35	6.3 6.3	2.5 5	5	3	2.5	3	3F3514 3F3515	2.00 4.00	1.18 2.35	E	2 1/4 3 3/4	2 1/4	2 3	3 1 % 1 1 % (a X 2 1 %
T-5466 T-5338	40 40	7.5 5	2.5	7.5 2.5	$\begin{array}{c} 2.5 \\ 8.75 \end{array}$	2.5	3.5	3F3516 3F3517	3.00 4.75	1.76 2.79		334	3 2 1/2	21/4	1 1/4 x 2 1/4 3 1/4

*Secondary tapped to give 3 voltages.

FILTER CHOKES For Radio Receivers

Thor.	Rated	Henries Inc		Resist.	Stock	List	Your	Mtg.	Di	mensi	ons	Mtg.
Type	D.C. M.A.	Rated M.A.	No D.C.	D.C. Ohms	No.	Price	Price	Fig.	H.	W.	D.	Holes
T-1892		22	31.1	405	3J3518			В	24	2 3/6	2	31/4
R-105	75	10	13.2		3J3519			C	214	248	1 1/8	
T-4707	75	12	15.2	290	3 J 3520	1.75	1.03	E	21/2	2 1/8	2	31/6
T-6807	85	15	17.2	375	3 J 3522	2.00	1.18	В	3	21/2	2	274
R-196	85	15	17.2		3 J 3523	2.50			3	213	21/2	2 1/4 x 2
T-5753	110	9.5	13.5	200	3 J 3 5 2 4	2.00	1.18	В		017		0.7/
1-0700		5.0	10.0	200	33324	2.00	1.18	В	3	21/2	2	2 1/8
T-1700	130	8.75	21	231	3 J 3525	3.50	2.06	D	3 3/4	2 1/8	3	1146x216

Impedance Chokes To Couple Two Single Audio Stages

Thor.	Typical Application	Stock	List	Your	Max	Henries	Ohms	Mtg.	_Di	mensi	ons	Mtg.
Туре	Application	No.	Price	Price	D.C.M.A.	No D.C.	D.C.	Fig.	H.	W.	D.	Holes
T-2927	For screen	3F3526	\$1.50	\$0.88	8	1080 510	6150	В	2	2 3/4	1 1/2	234
T-6746	For triodes	3F3527	2.00	1,18	5	510	6470	B	234	2	2	237

Push-Pull Output Chokes

R-102 | P-P 71, 45, |3F3528 | \$2.00 | \$1.18 | 20 | 320 | 1560 | C | 21/2 21/8 11/4 | Univ

Heavy Duty Oversize Output Transformer

For Tubes in Push-Pull 71A, 45, 50, 2A3, 43, 59 3E3927-

PRICE

Will carry 65 mil. plate current. 3000 turn, center tapped primary.

100 turn secondary. Silicon steel core. To determine voice coil impedance to fit

core. To determine voice coil impedance to fit this transformer; for push-pull, directive plate impedance of one tube by 225; for single tube, using entire primary, divide the plate impedance by 900. See tube chart in this catalog for plate impedance legistates). Dimensions: Height 2%, depth 1%." Length overall 3%." Slotted mounting hole centers, from 3%" to 3%."

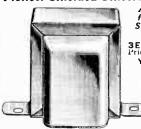
Carter Universal **Output Transformers**

Correctly Matches All Tubes to any Speaker



special tapped secondary to permit ratio of turns in winding to match any standard power tube plate impedance not exceeding 14.000 ohms and passing less than 40 millamperes plate current. Push-Pull tubes, both drawing less than 40 mils each are satisfactory but parallel power tubes with a total current over 40 mils may not be used with this transformer.) Secondary taps can be selected to match plate impedance to any voice coil having an impedance (practically the same as the D.C. resistance) between 0.11 ohm and 15 ohms. Complete instructions, and table for selecting proper connections for single or push-pull power tubes coupled to any standard dynamic tolice coil, included. Do not use with type 50 tube.

Pioneer Shielded Universal Audio



A Trans. former of Surpassing Quality

3E4260—List Price \$2.50. YOUR NET

40c

A very special value. Standard 2 to 1 ratio audio. Designed for first stage audio position in Kennedy Model 210, Monroe 6-7, Marvelo 6-7, Knight 6-7 and all sets, either A.C. or D.C. using 201A, 226, 112A or 171A or 215 amplifiers. Husky sized windings and laminations insure fine tone quality. Mounts above panel. Size 3½x2x2½ inches. Mounting holes 2½ inch centers. Steel shell, cadmium plated.

Flexible color coded leads. Many servicemen using this transformer in small two stage portable P. A.

this transformer in small two stage portable P. A. amplifiers because of its audio curve which limits hiss and distinctly favors bass tone reproduction.

Class "B" Audio **Driver Transformer**



Single 30 to 19 Grids

Couples a type 30 tube to a push-pull 19 tube in Class

B. Used extensively in battery receiver construction. Open type cadmium plated rust-proof frame. 6" color coded insulated leads. 8," 7,8 " core. Overall dimensions: 19x2x1\8" high. Mounting hole centers, 2,8"." nsions: 1½x2x15%" high. unting hole centers, 2%".

3J4261-List Price, \$1.65. 59¢ YOUR PRICE



THORDARSON Class "B" Driver **Transformer**

Single 30 to 19 Grids Comples a type 30 tube to grids of a type 19 tube in Class P. Black enamel open type vertical frame. Sultable

type vertical frame. Sultable for use in highest quality receivers. Dimensions: 15%" x 2" high. 314321—Code T7816. List, \$1.65. YOUR PRICE 97¢

Pioneer Replacement Audio Transformers



New Deal Values-The lowest priced | these Units in our own Laboratory Transformers of quality we have ever offered. New meth- cost. Audio range of Ploneer transed of winding the primary last with formers from 75 to 90 cycles accordhigh speed special machine makes this ing to size to a high range of 3800 price range possible. We have tested cycles, within 4 db.

satisfactory against Transformers of much greater

Midget	Size: I	4x13/4x13/6"	hlah	. Medium	Size: L	%x13/4x15/	"high a	Standard	Size .	13/4×21/4×2"	hlah
Stock			Your	Stock	0.2011	6A1 /4A1 /	Your	Stock	0.20.	· /8~ - /4 * -	Your
No.	Type	Raltio	Price	No.	Type*	Raitio	Price	No.	Type*	Raitio	Price
3E4100	S A.	1:2)		3 E 4 1 0 5	S. A.	1:2 }	- 1	3E4110	S. A.	1.2	
E4101	S. A.	1:3 (🚐	00	3E4106	S. A.	1:3 (🛮	400	3E4111	S. A.	1:3 (🚤	-
3E4102	P-P	1:255	40	3E4107	P•P	1 :2,(*)	946	3E4112	P-P	1:2(***	9c
BE4103	P-P	1:37		3E4108	P-P	1:37		3E4113	P-P	1:3)	•
	(*) S.A., Straight Audio, P-P, Push-Pull										

30 Henry Filter Chokes



Layer wound and layer insulated coils. Silicon steel core. Cadmium plated rust-proof frames. 6 inch insulated leads.
3F3585—30 Henries,
50 M.A. D. C. Resistance 400 ohms. Dimensions: Core %4"x
%4". Helght 2". Depth
. Mounting hole centers

1%", Length overall 3 %". 2". List Price, \$1.40. YOUR PRICE

3F3586—30 Henries, 75 M. A. D. C. Resistance 200 ohms. Dimensions: Core 1"x1", Height Height 24", Depth 1's", Length overall 334", Mounting hole centers 334", List Price, \$1.60. YOUR PRICE 3F3587-30 Henries, 100 M.A. D. C. Resistance 200 ohms. Dimensions: Core 1"x1" Height 2\%", Depth 2\%", Length overall 4". Mounting hole centers 3\%", List Price, \$2.00.

"......85¢ YOUR PRICE

Replacement Chokes

For A.C., D.C. Receivers

Open type, cadmium plated, rust-proof frames. Silicon steel core. 6 Inch Insulated leads. A size for practically every replacement, Highest quality chokes

Highest quality chokes
fully guaranteed.
Core Size %"x%". Mtg. Hole
Dimensions: 1½"x2"x1%" High. Hole Centers 25."

15 Henries at 40 M. Stock D. C. Number Resist. List Price Number Resist. Your Price 3F3594 3J3642 3F3596 3J3643 3F3590 200 400 3J3640 3F3592 3J3641 42c

Universal Replacement Audios and Output Transformers

Ea.

Three different mountings. All types have universal electrical characteristics. High quality transformers suitable for use in the finest receivers. Bright cadmium rust-proof finish. Diagrams and instructions included. For use on either A.C. or D.C. receivers.



Physical Dimensions

Ratio 3:1. Feeds from any type of ge pose tube into a stage of single audio. 3F4193—Horizontal Frame. 3F4194—Vertical Frame. 3F4190—Universal Bracket.

... 76¢ YOUR PRICE . Push-Pull Audio Inputs

.... 81¢

Univorsal Output Transformers

Couples all combinations of power tubes, either state or push-pull to all dynamic or magnetic speakers. For voice coil impedances 1 to 30 ohms. 3F4198—Vertical Frame. 3F4191—Universal Bracket. 76¢



A type and size to fit every dynamic speaker requirement. Output transformers of these Output transformers of these specifications and characteristics are standard equipment on thousands of speakers. The two sizes listed fit any standard make of speaker. Match practically any dynamic speaker voice coll.

Size: 136 "x2" x18" high.

te: 56". M.C. 23"." high.

For Si	ingle Tubes	For Push-Pull Tubes		
Stock Number	To Feed From	Stock Number	To Feed From	
3F4116	12A5, 31, 43, 45, 53, 71A.	3F4131	12A5, 31, 43, 45, 53, 71A.	
3F4117	2A5, 33, 41, 42, 47, 79, 89.	3F4132	33, 41, 42, 47, 79, 89, 2A5.	
3F4118	10, 12A, 19, 26, 38.	3F4133	10. 12A, 19, 26, 38.	
3F4115	48, 59.	3F4130	48, 59.	
Your	44c	Your	49c	

Price.	<u>.</u>	44	Price.	 490
Large	Size:	1%"x2¼"	x2" high.	

Core Size	: %". M.C. 2	7/8".		
For Si	ngle Tubes	For Push-Pull Tubes		
Stock Number	To Feed From	Stock Number	To Feed From	
3F4122	12A5, 2B6, 31, 43, 45, 50, 53, 71A.	3F4136	12A5, 2B6, 31, 43, 45, 50, 53, 71A.	
3F4123	2A5, 6A4, 33, 41, 42, 46, 47, 79, 89.	3F4137	2A5, 6A4, 33, 41, 42, 46, 47, 79, 89.	
3F4124	10, 12A, 19, 26, 38.	3 F4138	10, 12A, 19, 26, 38.	
3F4121	48, 59, 2A3.	3F4135	48, 59, 2A3.	

65c Your

SPECIAL VALUE

Output Transformers

Black enameled channel frame. Coded insulated 9" leads Core size ½"x½". Size: IIt 1¾", Wd. 2½". Depth 1½". Mig. Cent. 2½".

For Single Tubes 314257—Types single 42, 47, 2A5, etc. pedance 7000 chms. Im-For Push Pull Tubes

314258-Type 42, 47, 2A5, etc. Impedance YOUR PRICE. Each Any Type

Special Value Audio 3J4259—3:1 Ratio. Semi-shielded. Black channeled channel frame. Core size, \$8"x\%". It. 1\%", Wd. 2\%", Depth 1\%". Mtg. Cent. \(\frac{1}{16}\)". 158", Wd. 278", YOUR PRICE ...

314227-

Filament Transformers

69c

YOUR PRICE ... 69¢ 110 V. primary, Secondary $2\frac{1}{2}$ V., $5\frac{1}{4}$ amp. Mtg. centers $2\frac{1}{4}$ ", $2\frac{3}{8}$ " high, $1\frac{7}{8}$ "

wide.

1/2 Volt—12 Amp. Filament Transformer Same as above except that it delivers 12 amps. enter tapped. 30 watts. Center tapped. 30 watts 3E4228 - List, \$2.75. YOUR PRICE ..

6.3 Volt Filament Transformer

Size and appearance, identical to above the former. Delivers 6.3 volts at 3 amps. For with the new 6.3 volt tubes on 115 volt A. C. also be used on 7.5 volt tubes. 20 watts. 3E4229—List, \$2.25. YOUR PRICE ..

YOUR PRICE

Approved Quality!

POPULAR EXACT-DUPLICATE REPLACEMENT POWER TRANSFORMERS

Bargain Prices!

Apex Gloritone



3F8682-

Model 26-A Snpg. wt., 4 lbs. 3F8681—List. \$5.50. YOUR SPE-YOUR SPE- \$2.20

Model 26-P Shpg. wt., 8 lbs. 3F8683—List. \$5.00. YOUR

PRICE \$2.00 Model 27 -List, \$5.50.

YOUR PRICE Model 32 3F8674—List, \$7.50.

Atwater-Kent 37, 38

Shpg. wt., 6 lbs. 3F8687—List, \$5.00, YOUR SPECIAL \$2.10 Models 55, 55C
Late Model
Shpg. wt. 9 lbs. List, \$9.75.
3F8688—Late.
Your Price, Ea... \$2-39

L Series, H Series 8690-List, \$6.15.

\$2.95



Bosch Model 58 3F8704-List, \$3.25 PRICE Model 48

3F8703—List. \$7.00. PRICE

Model 60 3F8705—List. \$8.00. \$3.60 PRICE

Brunswick Models 3NC-8, 5NC-8 3F8710—List, \$6.75. YOUR PRICE

\$1.72 PRICE





Columbia

Model SG-8 Shog, wt., 7 lbs. 3F8715-YOUR PRICE \$3.35

Edison Models R1, R2, C2, (Plate) Jr, Jc, (Chassis) 3F87 | 6-List, \$5.25.



Eveready 40 and 50 Series Shpg. wt., 8 lbs. 3F872 |—List, \$6.75. YOUR \$2.69 PRICE

Fada

Model 45, KU 3F8725-List Price, \$7.50. VOUR \$3.67 PRICE

General Electric Models H-31, 51, 71 3F8729—List, \$7.00. PRICE _.... \$2.95 Model T41 3F8730—List, \$6.75.



Majestic

70, 7P6 (Plate) 3F8748-List, \$5.40. \$2.06 PRICE

70, 7P6 (Filament) 3F8749-List, \$4.95.

YOUR PRICE

Models 151, 153, 156, (Unmounted 15 Chassis); Model 154 (Unmounted 15B Chassis)

3F8752-List, \$4.50. \$1.76 YOUR PRICE

MAJESTIC Pilot Light Dimmer

For Models 300, 300A and 320

An exact duplicate of the original Majestic Part No. 7785, used in the above model receivers. Used as a resonance indicator. No changes necessary to install. fits chassis exactly. Shpg. wt., 2 lbs.

37115



318759-Complete Unit. YOUR PRICE 3F8760-Plate Coil Only. 48¢ YOUR PRICE

Special Value



Power Transformers for PHILCO YOUR PRICE-ANY MODEL LISTED BELOW-EACH

For Number	Radolek Stock No.	Corresponds to Philco Part No.
14 (121-2), 18 (124), 118 14, 91 (121-3) 14, 91 (221-3) 15 16 (122), 17 (122)	3F8761 3F8762 3F8763 3F8764 3F8765	32-7111 6554 6804 6672 32-7058
16 (121), 17 (121) 16 (Code 125) 16 (Code 126)	3F8766 3F8767 3F8768	32-7080 32-7291 32-7283
19, 60, 66, 89	3F8770	8046
19 (128) 20, 20-A 21 29 32 43 (Sgl. Spkr.) 43 (Twin Spkr.)	3F8771 3F8772 3F8773 3F8774 3F8769 3F8775 3F8776 3F8776	32-7170 4234 4813 32-7229 32-7218 7074 6985 32-7137
45 50, 50A, 51, 51A, 52, 551 57, 58, 59 65	3F8777 \$J8780 3J8781 3F8779	32-7226 5266 32-7064 3516
70, 70A, 270, 370, 470, 470A, 570 71 (Sgl. Spkr.) 71 (Twin Spkr.) 76, 77 80, 81	3F3895 3F3896 3F3897 3F3898 3F3899	5117 6454 6457 3868 7421
8.1	3 F 3 9 0 0	32-7180

86 87 90, 90A (2 type 45's) 90, 90A, 490, (1 type 47) Above Serial Number 237,001 3F3984 5362 90 (2 type 47's) Serial Number 32,001 to B35,000 and above B53,100 95, 96, 296 $\frac{6072}{3752}$ 111, 111A, 112, 112A, 212 (2 type 45's) 112, 112A (2 type 47's) 3 F 3908 3 F 3909 5594 32-7234 3F3910 3F3904 3F3912 32-7258 5362 3073 490 511

For Genuine Philco Replacement Power Transformers See Pages 134 to 139.

R. C. A. Victor and Radiola



R. C. A. Victor Models:

RE-32, R-52, RE-45, RE-75, E-35, E-135, E-152, RE-154, RE-156 3F8784-List, \$6.00.

YOUR PRICE \$2.65

Radiola

44, 46, 47 3F8733—List, \$6.50. YOUR PRICE \$2.59 \$2.59

Radiola 17, 18, 33, 50, 51 Victor

7-11, 8-25, 7-26, 17-8 3F87 | 2-List, \$6.00. YOUR PRICE \$1.72

Victor R-48, R-42, R15, R14, RE-17 3F8730—List. \$6.75. YOUR YOUR \$2.70

Victor R-64, R-67, 9-54, 9-18X 3F8782—List, \$15.00. YOUR SAME YOUR

PRICE \$6.95 PRICE

Victor

YOUR \$2.95

Victor

Victor

3F8734-List, \$6.50. YOUR PRICE ... \$2.94

R. C. A.

Sparton

Model 591, 593, 931 3F8792—List. \$7.00. YOUR PRICE \$3.15

Sparton 301 3F8797-List, \$12.00.

..... \$3.95 PRICE



Sparton 930 Early and Late



Specifications: 100-130 Volts-60 Cycles; 625 Volts C.T. @ 60 M.A.: 5 Volts C.T. @ 2

59ecineations: 100-130 volts-60 Cycles; 625 Volts C.T. @ 60 M.A.; 5 Volts C.T. @ 2 Amps.; 3 Volts @ Amps.; *71/2 Volts C.T. @ Amps.

*The 7½ volt winding is for early models only. Use a 0.4 ohm 10 watt resistor on each leg of the 7½ volt winding for Sparton Sets employing 5 volt power tubes. 3F8795-List, \$6.00.

YOUR PRICE \$1.95

Steinite

Models 40, 50, 70, 80, 95, 102

Stewart-Warner Model 102A

List, \$6.80. YOUR PRICE... \$2.94



Zenith



52, 53, 54, 55, 57, 60, 61, 62, 64, 67, 95, 602, 513, 622, 642, 672, 522, 532, 542

Shpg. wt., 11 lbs. 3F8822-List, \$7.25.

YOUR \$3.29

Universal Replacement Transformers A Style and Capacity for every Receiver

Replace Originals. These Transformers are important Information. The diagrams intended for use where original replacements are below give the exact voltage and current data. Any priced higher than you are willing to pay or are not available. From these types you can select wided the specified ratings are not exceeded, the proper model for practically any Radio Set. For 105-120 Volt 50-60 Cycle A.C.

diagrams data. Any quality, new stock. Correctly engineered, carefully made by skilled workmen in a fully equipped factory. We guarantee that they will equal or surpass any on the market in their price range.



TYPE A

h

TYPE B



TYPE C



TYPE D



TYPE E

Solder lug connections on fibre strip. Mounting screw at each corner for flat mounting. Black enameled steel shield cover.

Unshielded type with 12" leads, Brackets supplied for horizontal mounting. Slotted mounting holes. Mounting centers specified below

Unshielded type with solder lug connections mounted on, fibre strips, Otherwise identical with type B. Slotted mounting holes.

000

Shielded type. Black enameled steel shields enclose windings. Solder lugs on bakelite plate at base. 12" primary leads. Approved.

Shielded Type. Black enam-cled steel shield covers at top and bottom, 6" insula-ted leads. Approved by the Underwriters Laboratories.

3F4009-YOUR PRICE89¢ Size: 2½"x3"x3¼" high Mig. Centers 2"x2½". Shpg. wt., 2¼ lbs.

314008- \$1.12

Size: 282"x34"x34" high Mtg. Centers 282"x218". Shpg. wt., 24 lbs.

3F4008-

Highest Quality. Conservatively rated. These transformers are made by a recognized leading manufacturor and are fully guaranteed.

3F4023—"B"—Leads, 3F4038—"C"—Luns, YOUR PRICE \$1.25

Size: 3½"x3½"x3½" high Mig. Centers 2½"x2" high Mig. Centers 2½"x2" high Mig. Centers 2½"x2"

(00) M 00000 VOLTS 5 AMPS. 3 For 4 Tubes 000 00000 VOLTS 5 AMPS. 3 0 25 25 1.75 5 650 40MA

Single and Double Filament Windings

Double Filament Winding transformers listed can be used for installations requiring only a single filament winding. It is only necessary to connect the 2.5 role windings in parallel. Instructions for connecting the filament windings in parallel are included with each transformer.

3F4070-YOUR PRICE .. Size: 2½"x3"x3¼" high Mtg. Centers 2"x2½". Shpg. wt., 2½ lbs.

3J4071— YOUR PRICE \$1.22 Size: 23"x314"x314" high Mig. Centors 2 & "x218". Shpg. wt., 234 lbs.

3F4007— YOUR PRICE \$1.35 Size: 28"x3", "x3%" high Mtg. Centers 28"x218". Shpg. wt., 3% lbs.

3F4022—"B"—Leads, 3F4037—"C"—Lugs, YOUR PRICE \$1.37

000 100000 0 100 VOLTS 5 2.5 1.75 525 For 5-6 Tubes

For 5 Tubes

3F4052-YOUR PRICE \$1.98 3J4072-YOUR PRICE \$1.39 Size: 352"x314"x414" hlgh Mtg. Centers 276"x2". Shpg. wt., 41/2 lbs.

Size: 263"x34"x3%" high Mtg. Centers 23"x218". Shpg. wt., 3% lbs.

3J4006-YOUR PRICE \$1.55 Size: 31/4"x33/4"x33/4" high Mtg. Centers 21/4"x31/4". Shpg. wt., 5 lbs.

3F4021-"B"-Leads.
3F4036-"C"-Lugs.
YOUR PRICE \$1.45
Size: 44"x33","31#" high
Mig. Centers 31#"x24".
Shpg. wt., 5 lbs.

.000 (00000) 0 2.5 2.5 700 70-MA For 6-7 Tubes

3F4051-3F4051— YOUR PRICE \$2.25 Size: 3½"x3½"x4½" high Mig. Centers 2½"x2½". Shpg. wt., 4½ lbs,

3J4073-314073-YOUR PRICE \$1.58 Size: 314"x334"x33%" high Mtg. Centers 21/2"x31/3". Shpg. wt., 5 lbs.

000 (00000) 25 90MA For 8-9 Tubes

3J4049— **\$2.39**YOUR PRICE **\$2.39**Size: 3%/"x3½"x4½" high
Mig. Centers 25%"x2½".
Shpg. wt., 4½" ibs.

314077-3J4077-YOUR PRICE \$1.95

3J4002-YOUR PRICE \$2.29 314002-Size: 3¼"x4½"x3¼" high Mtg. Centers 3"x3¾". Shpg. wt., 6 lbs.

Size: 4½"x4"x4 Mig. Centers 3¾ Shpg. wt., 7 lbs. 414"x4"x4 h" high Centers 34"x214".

(P) (P) (00000) (gg) 110-MA For 10-12 Tubes

3F4047- \$2.75 Size: 3% "x3½" x4½" high Mtg. Centers 2% "x2½". Shpg. wt., 4% lbs. Size: 3%"x14"x342" high Mtg. Centers 278"x342". Shpg. wt., 5% lbs.

3J4010- \$1.84

Special for Type 226

3F4079-YOUR PRICE \$2.52 Size: 314"x414"x314" high Mtg. Centers 3"x334". Shpg. wt., 6 lbs.

Size: 31/4"x31/4"x31/4" high Mtg. Centers 21/2"x31/4". Shpg. wt., 5 lbs.

\$1,7 lbs.
\$1,4025-"8"-Leads.
\$1,4040-"C"-Lugs.
\$

100 67 52 50 3 SWAN For 6-10 Tubes

3J4043— YOUR PRICE \$2.16 Size: 3½"x3½"x4½" high Mis. Centers 2%"x2½". Shpg. wt., 5 lbs.

314074-3J4074-YOUR PRICE \$1.95 Size: 316"x334"x334" high Mig. Centers 212"x31/8". Shpg. wt., 5 lbs.

For 6.3 Volt Tubes

YOUR PRICE \$1.22 Size: 2½"x3"x3¼" high. wt., 2% lbs.

3F4027-"B"-Leads,
3F4031-"C"-Lugs,
YOUR PRICE \$1.55
Size: 3"x714" xp14" high
Mtg. Centers 214" x2",
Shpg. wt., 3 lbs.

000 00000 000 روق VOLTS 5 650 50-MA For 4-5 Tubes (000)

All transformers are and will operate ef-ficiently without over-heating-55 degree cen-tigrade at 50 cycles. 3F40603F4080-3F4080- \$1.35 Size: 2½"x3"x3¼" high Mig. Centers 2"x2½". Shpg. wt., 2% lbs.

3F4013-3F4013-YOUR PRICE \$1.79 Size: 218"x318"x318" high Mtg. Centers 26"x218". Shpg. wt., 5 lbs.

3F4042—"B"—Leads.
3F4042—"C"—Lugs.
YOUR PRICE \$2.08
Size: 3\frac{1}{4}\frac{x}{3}\frac{x}{3}\frac{x}{2}\frac{1}{4}\frac{x}{2}\frac{1}{4}\frac{x}{3}\frac{1}{4}\frac{1}{4}\frac{x}{3}\frac{1}{4}\frac{1

100 (00000) **1000** WOLTS 5 AMPS 3 6.3 2.8 For 6-7 Tubes

3F4060- \$2.20 Size: 3%"x3"x3%" high Mrg. Centers 2%"x2%". Shpg. wt., 4½ lbs. 3F4081— \$1.89 YOUR PRICE \$1.89 Size: 2 18 "x 3 18" x 3 18" high Mrg. Centers 2 16" x 2 18". Shpg. wt., 5 lbs.

3F4014— \$2.16 3F4029—"B"—Leads, YOUR PRICE \$2.16 3F4029—"B"—Leads, SIze: 3½ "x3½" high Mir. Centers 2½ "x3½".

Size: 3%"x3½"x3½" high Mig. Centers 3½"x2½". Shng. wt., 5 lbs.

00000 (gg) 6.3 700 85M1. For 8-9 Tubes

3F4061— YOUR PRICE \$2.56 Slze: 3½"x3¾"x4½" high Mig. Centers 2½"x2½". Shpg. wt., 4½ lbs.

YOUR PRICE \$2.16 Size: 314"x334"x314" high Mtg. Centers 214"x314". Shpg. wt., 534 lbs.

3F4015- \$2.49 Size: 3%"x4½"x3½" high Mtg. Centers 2%"x3½". Shpg. wt., 8 lbs.

3F4030—"B"—Leads,
3F4046—"C"—Lugs,
YOUR PRICE \$2.76
Size: 44/"33\%"x3\%" high
Mig. Centers 3H/"x2\%".
Ships. vt., 7 lbs.

000 100 [00000] 1000 VOLTS 5 AMPS. 3 6.3 MA For 10-12 Tubes

3F4062- \$2.96 Size: 314"x3%"x54" high Mtg. Centers 2%"x2%". Shpg. wt., 4% lbs.

3F4083-YOUR PRICE \$2.56 Stze: 3%"x444"x344" high Mtg. Centers 2%"x314". Shpg. wt., 6 lbs.

THE RADOLEK COMPANY Page 46

Stancor Exact Duplicate Transformer Coils



Supplied for transformers that are impracticable to duplicate because of the difficulty encountered in difficulty encountered in matching the original mechanical specifications. Servicemen can now renew the original performance by replacing the defective coils with Stancor Exact Duplicate transformer coils. It is only necessary to remove the defective coil from the old grams clearly showing the hook-up are supplied with each coil.

Exact Duplicate Cails Only Far 105-115 Valt; 50-60 Cycle Pawer Transformers

		EStan-		
Radio Model	Stock	cor	List	Your
	No.	Type	Price	Price
A. C. DAYTON Navigator A.C63 A.C65	3J3532	W-400	\$3.00	\$1.76
	3J3533	W-401	3.00	1.76
	3J3534	W-402	3.00	1.76
ALL-AMERICAN MOHAWK SA-130 70. 73, 75	3J3535 3J3685	₩-404 W-403	3.25 2.50	1.91 1.47
BALKEIT C	3J3622	W-409	3.00	1.76
A-3, A-5, A-7	3J3536	W-408	3.00	1.76
BOSCH-48	3J3540	W-240	3.00	1.76
58, 60	3J3541	W-241	3.00	1.76
BUCKINGHAM 80, 80-B 15, 22AC, 32, 42AC 17, 24, 25AC 3KR8	3J3537 3J3538 3J3539	W-405 W-406 W-407	2.25 3.00 3.00	1.32 1.76 1.76
CAPEHART-100	3J3542	W-243	3.20	1.88
CROSLEY-124	3J3543	W-244	2.25	1.32
130	3J3544	W-245	2.50	1.47
158	3J3545	W-246	1.75	1.03
ECHOPHONE— S-4 5 10, 15, 20 D-4 S-3	3J3546 3J3582 3J3583 3J3584 3J3588	W-247 W-410 W-411 W-412 W-413	2.60 2.00 2.50 2.25 2.10	1.53 1.10 1.47 1.32 1.23
FAOA—16, 17, 32	3J3547	W-248	2.75	1.62
20	3J3548	W-249	2.75	1.62
25	3J3549	W-250	2.85	1.68
30	3J3550	W-251	2.75	1.62
35	3J3551	W-252	2.85	1.68
35B 42 43 45 (KU) 51 (KQ) 53, 57,	3J3552 3J3553 3J3554 3J3555	W-253 W-254 W-255 W-256	3.00 3.00 3.00 3.00	1.76 1.76 1.76 1.79
(KOC)	3J3556	W-257	2.90	1.70
75, 77	3J3557	W-258	2.75	
Supply Unit E-420 (#1731) Small coil	3J3558	W-259	2.75	1.62

Shielded Audio Push-Pull Input Transformer



3F4098-List, \$3.75. \$195

Ratio 3:1. For coupling any screen grid tube to any output tube in either single or push-pull. Especially desirable for coupling a type 24 tube to either single or push-pull 45. Core size 1"x;". Height 3". depth 25". Leight 23." Mounting hole centers 2"x2½".

Interstage Straight Audio

Transformer 3F4335—List. \$2.00. YOUR PRICE95¢

Intended for use in re-placing standard Manu-facturer's type Audies in

Intended for use in replacing standard Mann-facturer's type Audios in hundreds of Sets. Exact replacement for first and some second stage positions in Monroe, Marvelo, Knight, Kennedy, Bush-Lane, and others. High-grade silicon steel core. Black japanned case. Sub-panel lug connections. Safe plate current carrying capacity. 10 MA. A special application of this Transformer is for use as a phono-input Transformer when used with a high impedance Pickup. Ratio 1:3. Size 2"x 2%"x2%" high. Mtg. hole centers 2%".

Certified Performance

Buy all of your transformer requirements from Radolek with confidence. Radolek offers only the finest quality thoroughly tested transformers regard-less of the low prices specified.

Radio Model	Stock No.	Stan- cor Type	List Price	Your Price
Supply Unit E-420 (#1746) Large coil	3J3559	W-260	\$3.20	\$1.88
HOWARD—Triple Screen Grid (#1245)	313560	W-261	2.85	1.68
Green Diamond (45's)	3J3561	W-262	3.00	1.76
Green Diamond (71'A's) S.G.A. ≠1069	3J3563	W-263 W-243	2.75 3.20	1.62 1.88
JACKSON BELL 62	3J3564	W-264	2.50	1.47
KENNEDY—32 42	3J3589 3J3591	W-414 W-415	3.00 2.00	1.76 1.10
KOLSTER—X-44 (#5412) K-45 K-60	3J3565 3J3593 3J3595	W-265 W-416 W-417	3.50 3.50 2.50	2.06 2.06 1.47
KOLSTER- COLUMBIA Cl-6, Cl-7, 900, 901	3J3597	W-418	3.00	1.76
MAJESTIC—211 Whitehali 214 Stratford 215 Croydon (210 chassis) Chassis 55 300	3J3566 3J3598 3J3599	W-266 W-419 W-420	3.00 2.25 3.00	1.76 1.32 1.76
44, 49, 194 (chassis 440) 460, 461, 463 (chassis 460)	3J3567 3J3568	W-267 W-268	1.25	.73 1.18
PEERLESS COURIER 65 (Keylectron) 65 (Dynamic)	3J3569 3J3570 3J3571	W-269 W-270 W-271	3.25 2.75	1.91 1.62
RCA RADIOLA VICTOR 41	313686	W-421	1.80	1.06
SILVERTONE 1430	3J3572	W-272	2.65	1.56
STEINITE—70 80, 95 (chassis 10) 203, 600, 605, 630, 635, 642, 643 (chas-	3J3687	₩-422	3.00	1.76
sls 22) 261, 262 700, 705, 706, 725, 642-B (chassis 26)	3J3690 3J3691	W-423 W-424 W-425	2.75 2.25 2.50	1.62 1.32
STEWART- WARNER 102A, 202A	3J3573	W-273	2.50	1.47
U.S. RAOIO & TEL. CORP. 20 (Gloriette) 27 31 41	3J3693 3J3694 3J3695 3J3696	W-426 W-427 W-428 W-429	2.25 3.00 2.00 2.50	1.32 1.76 1.18 1.47

Tube Tester Filament Transformer 1½, 2, 2½, 3.3, 5, 6.3, 7½, 15, 25, 30 valts; at 2 amps.



For construction of tube testers or replace-ment in standard testers. Supplies the ment in standard testers. Supplies the correct voltages for all types of tubes including the oldest types and all those just recently announce of the color coded and a diagram is included which gives all the conactions. Dimensions:

PRICE ... \$1.19

PRICE ... \$1.41#". Pri. 115 V. 50/60 cycles.

Tube Tester Plate and Filament Transformer

Plate and Filament Transformer
3F4097—List, \$3.50.
YOUR \$ 186
PRICE ... 186
In addition to the conventional filament voltages, this transformer has a plate winding, the voltage of which may be impressed directly to the plate of the tube under test. If a D.C. voltage is desired on the tube under test, an 81 typo tube may be used as a leads are color coded and a diagram of connections is included. Primary 115 volts, 50-60 yelos, Filament secondaries: 1.5, 2.0, 2.5, 3.3, 5.0, 6.3, 7.5, 15, 25 or 30 volts at 2 amperes. Plate secondary 250 volts AC, at 40 MA. Dimensions: 2 %" high. 41%" wide, 21%" desp. Mounting Centers 3 %".

Special Value Power Transformers

Guaranteed Quality For 2.5 Volt 6.3 Volt Tubes Tubes Finest Conserva-Values at tively Rated Bargain Prices

All primaries are far 105-115 Volt, 50-60 cycle A.C.

For 2.5 Volt Tubes

74¢

314069-

TOUR PRICE,		
Plate	650 Volts.	40 MA.
Fil. #I	2 12 Volts, C.T.	3.75 Amps.
Fil. #2	5 Volts,	2 Amps.
Size:	212 'x3 'x314' high	
Mtg. Centers:	2"x2 12"	
	5-Tube	
3F4088-		~
		276
	Each	87¢
YOUR PRICE,		
	650 Volts,	87¢ 40 MA. 4.5 Amps.
YOUR PRICE, Plate Fil. #1 Fil. #2	650 Volts, 2 ½ Volts, C.T. 5 Volts,	40 MA.
YOUR PRICE, Plate I il. #1 Fil. #2 Size:	650 Volts, 2½ Volts, C.T. 5 Volts, 2½ x3*x3%*	40 MA. 4.5 Amps.
YOUR PRICE, Plate Ith. #1 Fil. #2	650 Volts, 2 ½ Volts, C.T. 5 Volts,	40 MA. 4.5 Amps.

6-Tube 3F4089-\$1.34 YOUR PRICE, Each

Plate 700 Volts, Fil. \$1 2½ Volts, C.T. Fil. \$2 5 Volts, Size: 2½ "x3%" x3½" high Mtg. Centers: 2½ "x2%" 50 MA. 7 Amps. 3 Amps.

For New 6.3 Volt Tubes 4-Tube

3F4093		004
YOUR PRICE,	Each	88¢
Plate	650 Volts.	40 MA.
Fil. #1	6.3 Volts, C.T.	1.6 Amps.
Fil. #2	5 Volts.	2 Amps.
Size:	2 14 "x3 "x3 14"	
Mtg. Centers:	2"x212"	
	5-Tube	

		3- I UD 0	
31409	94—		054
YOUR	PRICE,	Each	······ 7/4
Plate		650 Volts.	40 MA.
Fil. #1		6.3 Volts,	2 Amps.
F11. #2		5 Volts,	2 Amps.
Size:		214 x3 x334	

354005-		*
	6-Tube	
Mtg. Centers:	2 *x2 1 2 *	
Size:	2 12 x3 x3 38	
F11. #2	5 Volts,	2 Amps.
Fil. #1	6.3 Volts,	2 Amps.

YOUR PRICE, Each \$1.45 Plate 675 Volts, Fil. #1 6.3 Volts, Fil. #2 5 Volts, Size: 5 4 * 334 * 3

Stancor AC, DC Chokes



High quality choices for replacements in AC, DC receivers. A size for practically overly requirement. Cadmium plated channel frame mountings 6" insulated leads. Overall dimensions: 1½"x 2½"x 1\%" x 1\%" x

70 MA. 2.6 Amps. 3 Amps.

	In ticilities (AL TO MA.	
Stock Number	D.C. Re- sistance	Stancor Number	
3 F3574 3 F3575 3 F3575 3 F3577 3 F3577 3 F3578 3 F3579 3 F3580	200 250 300 350 400 450 500 550	C-1080 C-1325 C-1277 C-1227 C-1279 C-1333 C-1215 C-1362	List Price \$1.00 YOUR PRICE 59C Each

Universal Output Transformer



3F4092 YOUR PRICE 69¢

STANCOR

Universal Replacement **Outputs and Audios**



Exact Duplicate AUDIOS Replacements for All Popular Sets

Made exactly like the original transformers. Mounting holes, dimensions, lugs, voltages and color of leads exactly duplicate the originals. In many instances the insulation and the safety factor have been increased wherever the originals were not entirely satisfactory. Many additional replace-ments have been added to our listing.



RADIO MODEL	Stock No.	Part	Your Price	RADIO MODEL	Stock No.	Part	Your Price
AIRLINE-62-010. 62-020	3F3954	P.P. Inp.	\$1.82	(Part #565) 91, 92, 101, (Combination)	3F4213	P.P. Inp.	\$3.20
BRUNSWICK-10 14, 21, 31, 8-31	3F3990 3F3950	Output 1st Audio	2.65	(Part #3624) 31	3F4214	P.P. Inp.	2.73
14, 21, 31, S-31 14, 21, 31, S-14, S-21 S-21, S-81, S-82 14, 21, 31, S-14, S-21	3F3951 3F3951 3F3952	P.P. Inp. P.P. Inp. P.P. Out.	2.44 2.44 2.18	(Part #1883) 130, 131, 132, 233, (Comb.)	3F4215	P.P. Inp.	2.94
S-31, S-81, S-82 15 B, 15-DC, 22-DC	3F3952 3F3991	IPP Out	2.18 3.00	(Part #468) 101, (Comb.)	3F4216	P. Tr.	2.00
32-DC, 42-DC	3F3991	P.P. Inp. P.P. Inp.	3.00	(Part +2164) 233, (Comb.)	3F4218	P. Tr.	1.71
CLARION—AC-40	3F3990 3F3954	Output P.P. Inp. P.P. Inp.	1.82	(Part #3767) 61, 62	3F4217	P.P. Inp.	2.73
AC-61, 25-61 AC-80, AC-81, AC-84,	3F3955	P.P. Inp.	1.59	PHILCO — 3 (Transl- tone) 30, 82, 86, 83, 87	3F3962	Input_	1.47
AC-85, AC-90, AC- 90-A, AC-91, 25-80,				3 (Transitone) 70, 70-A, 270, 270-A, 370, 370-A,			
25-81, 25-84, 25-85, 25-90	3F3992	Output	1.21	470, 470-A, 90, 90-A, 490, 490-A, (90, 1-247)	3 F 3 9 6 5	Output	1.26
AC-160, 25-160 AC-280, 25-280	3F3993 3F3994	P.P. Out. P.P. Out.	1.09	20, 20-A, 21, 220, 220-A 20, 20-A, 21, 220, 220-A,	3F3963	P.P. Inp.	1.29
AC-320, 25-320 AC-360, 25-360	3F3996 3F3997	Output P.P. Inp.	1.09	40, 41, 42, 46, 346, 62, 65, 73, 76, 77, 77-A.			
60, 25-60, 61, 25-61, 70 160, 25-160, 280, 25-280,	3F3966	Output	1.06	82, 86, 83, 87, 90, 90-A, (90, 2-245's) 92, 95, 96, 96-A, 296,			1
Series 220, 220-25, 240, 25-240	3F3967	Input	1.47	95, 96, 96-A, 296, 296-A, 111, 111-A, 211, 211-A, 112, 112-A			
241, 25-241, 260, 25-260 300, 25-300, 460, 25-460	3F3968 3F3995	Output Driver	1.00	212, 212-A, (112, 112-A) 212, 212-A, (112, 2- 245'8)	3F3964	P.P. Out.	1.26
420, 422, 423, 425, 440, 141, 450, 451, AC-DC	3 F 3 9 7 6	Output	1.03	30, 40, 41, 42, 73, 76, 77, 77-4, 82, 86, 83, 87	3F3961	P.P. Inp.	1.47
480, 25-480	3 F 3977	Input	1.47	62, 65, 92, 95, 96, 96-A.	37 3301	1 .1 . 111/.	1.4/
COLUMBIA PHONO- GRAPH—C-31, C-33	3 F 3990	Output	.85	296, 296-A, 111, 111-A, 211, 211-A, 112, 112-A, 212, 212-A, 112-A,			
C-32. C-34	3 F 3992	Output	1.21	212, 212-A, (112, 2- 245's)	3F3960	P.P. Inp.	2.06
ERLA -224, 224B 224, 224B	3F3956 3F3957	P.P. Inp. Output	2.70	RCA-RADIOLA-	3F3959	Input	1.44
GENERAL ELECTRIC H-31, H-51, H-71	3F3958	InpOut.	2.70	VICTOR R-34, R-35, R-39, R-80,			
GRAYBAR - GB-700,		Inp -Out.		R-82, R-86, RAE-68, RE-57	3F3958	InpOut. Assemb y	2.70
GB770, GB-900	3F3958	Assembly	2.70	SPARTON 9-A. 410, 410-DC 420			
MAJESTIC — (Part #1551) 90, 91, 93 102, 103	3 F4205 3 F4205	Inp. Aud.	3.20	9-A, 410, 410-DC, 420, 420-DC, 600-A, 610-A, 620-A	3F3971	P.P. Inp.	2.44
(Part ≠3053) 51, 52	3F4206	Inp. Aud. P.P. Out.	3.20 1.91	39, 49, 69, 79, 79-A	3F3970	Audio	1.29
(Part #1552) 90, 91, 93, 102, 103	3F4207	Out.	2.59	55, 103, 111-A, 235, 301, 301-A, 564, 570,			
(Part #846) 91, 92, 101 (Comb.) (G-3 Spkr.)	3 F 4 2 0 7	Out.	2.59	574, 578, 591, 593, 740, 750, 870, 931-AC	3 F 3 9 7 3	P.P. Out.	.94
(Part #638) 71, 72 (Part #63) 71, 72, 181	3F4208	1st Andio	3.03	301-DC, 591, 593, 931- AC, 931-DC	3 F 3 9 7 2	P.P. Inp.	1.35
(Comb.) 91, 92, 101 (Combination)	3 F 4 2 0 9	P.P. Inp.	3.20	(Part #A-3736) 930 (Part #A-4812) 103, 578,	3F3974	Output	.94
(Part #64) 71, 72, 181 (Combination)	3F4210	P.P. Out.	2.59	31, 32, 51, 52	3F3975	Input	1.47
(Part #3055) 51, 52	3F4211	P.P. Inp.	3.20	WESTINGHOUSE WR-5, WR-6, WR-6-R,			
(Part #134) 91, 92, 101, (Combination)	3F4212	P.P. Out.	2.59	WR-7, WR-7-R, WR-8, WR-8-R	3 F 3 9 5 8	InpOut. Assembly	2.70



Stancor Exact Duplicate FILTER CHOKES

For Many Popular Receivers High quality chokes that physically and electrically exactly duplicate the originals. It is not necessary to do any drilling or cutting of chassis base when making replacements with Stancor Exact Duplicate Transformers.



Your

.70

1.62

2.06 1.03

4.12

RADIO MODEL	No.	Price	RADIO MODEL	No.
AT WATER-KENT 36, 37, 38, 40, 42, 43, 44, 52	3F3980	50.73	NAVIGATOR 425, 525, 530, 545, 625	3F3981
BELMONT -425, 525, 530, 545, 625	3F3981	.70	PHILCO-15, 15A, 40, 41, 42, 62	
CLARION 220, 25-220, 241, 25-91, 84, 25-84, 85, 25-85, 100, 120, 40, 25-40, 80, 81, 90, 25-90, 90A, 91, 25-80, 25-241, 25-81 AC-160, AC-260, 25-160, 25-260 AC-360, 25-360 400 AC-DC 420, 422, 423, 425, 440, 441, AC-DC 450, 451	3F4235 3F3982 3F3983 3F3984 3F4236	1.18	(1st Position) 65 (1st Position) 73, 76, 77, 77-A, 83 (1st Position) 87, 175, 77, 77-A, 83 (1st Position) 87, 18t Position) 92, 95, 96, 96-A, 111, 111-A, 112, (2-245's), 112-A, (2-45's) 211-A, 212, (2-45's) 212-A, (2-45's) 296, 296-A, 30, 35, 35-B, 62 (2nd Position), 65 (2nd Position), 87 (2nd Position) 83 (2nd Position), 87 (2nd Position) 4, 14, 21, 48, 70, 70 (AVC) 90 (2-45),	3F3985 3F3986 3F3987
FRESHMAN 425, 525, 530, 452, 625	3F3981	.70	90 (1-47), 90 (2-47) 91, 470, 490 RCA—RADIOLA—VICTOR	3F3989
MAJESTIC-51, 52 (60 cycle) 130, 131, 132, 133, (Comb.)	3F4240 3F4241	2.18	AP777C, R-64, R-67, 9-18X, 9-54, 9-56	3 F 3988

Output Transformers



Guaranteed finest quality. Coils are carefully wound and highly insulated. Laminations accurately made of fine silicon steel. Unshielded type. Cadmium plated. Designed to withstand hard continuous usage. (For Class "A" Amplification.) highly insulated. Lamina-

Tubes: 71A, 45, 43, 59 3F4 185—Stancor A- 2203. List, \$1.10.	
Core Size 34"x34". Dim 158", Length overall 3 Tubes: 71A, 45, 43, 59	ensions: Height 2". Depth fa". Hole Centers 248". Tubes: 71A, 45, 43, 59
2200. Tubes: 12A, 10, 31, 41 3F4177—Stancor A- 2227.	3F4 86—Stancor A- 2201, Tubes: 12A, 10, 31, 41 3F4 78—Stancor A- 2231,
Tubes: 33, 47, 2A5, 49, 46, 42 3F4 8 — Stancor A-2313. Tubes: 38, 89	Tubes: 33, 47, 2A5, 49, 46, 42 3F4182—Stancor A-2312. Tubes: 38, 89
3F4179—Stancor A- 2347. List Price, \$1.40. Your Price, Each 82¢	

Core Size \(\frac{5}{8}'' x \frac{3}{4}'' \). Dimensions: Height 2'', Depth 1\(\frac{5}{8}'' \), Length overall 2\(\frac{3}{8}'' \). Hole Centers 2".

Core Size $^78''x^78''$. Dimensions: Height $2\frac{1}{4}$ ", Depth $1\frac{7}{8}$ ", Length overall $3\frac{1}{8}$ ", Hole Centers $3\frac{1}{8}$ ". Tubes: 71A. 45, 50, Tubes: 71A. 45, 50, 2A3, 2A3, 43, 59, 48
3F4 183—Stancor A2234. List, \$1.70.
VOUR PRICE \$1.00
PRICE \$1.00

Tubes: 71A. 45, 50, 248
43, 59, 48
2211. List, \$1.80.
PRICE \$1.06

Stancor Magnetic Speaker Chokes For using magnetic speakers with the following tubes: 12A, 71A, 47, 31, 33, 38, 41, 42, 43, 59. Core 34"x34". Mtg. centers 278".

STANCOR Audio Transformers

For single nnd pushpull stages. Unmounted Cadmium plated frames and bottom plates. To feed For single n nd pushpull stages. Unmounted. Cadmium plated frames and hottom plates. To feed from any type or combination of input tubes to any type or combination of output tubes. Match any input or output impedance.



2" H. 15%" W. 2%" L. Mtg. Ctrs., 2",
Coro 5%"x3%". Radolek Stancor Stock No. Type No.

3F4170 3F4171	A-64 A-64-C	Straight 4:1 P.P. Input 4:1	\$.82 .88
2″ H, I	56" W. 318"	ar Size 'L. Mtg. Ctrs., 34"x34".	218".
3F4150 3F4151 3F4152 3F4153 3F4154	A-72 A-72-C A-73 A-73-C A-74	Straight 2:1 P.P. Input 2:1 Straight 3:1 P.P. Input 3:1 Straight 4:1	1.00 1.06 1.00 1.06

3F4155 A-74-C	P.P. Input 4:1 1.06
2" H, 21/a" W, 3% Core	um Size " L. Mtg. Ctrs., 24%". 34"x1".
3F4156 A-74-Y 3F4157 A-74-YC	Straight 4:1 1.18 P.P. Input 4:1 1.23

21/4" H,	17/8" W, 31	e 312e " L. Mtg. Ctrs. %"x%".	, 3½".
3F4158 3F4159 3F4160 3F4161 3F4162 3F4163	A-82 A-82-C A-83 A-83-C A-84 A-84-C	Straight 2:1 P.P. Input 2:1 Straight 3:1 P.P. Input 3:1 Straight 4:1 P.P. Input 4:1	1.35 1.41 1.35 1.41 1.35

	Gian	t Size		
258" H,		' L. Mtg. 1"x1".	Ctrs.,	3% ″.
3F4164	A-102	Straight	2:1 1	1.5
3F4165	A-102-C	P.P. Input	2:1	1.6
3F4166	A-103	Straight	3:1	1.5
3F4167	A-103-C	P.P. Input	3:1	1.6
3F4168	A-104	Straight	4:1	1.5
3F4169	A-104-C	P.P. Input	4:1	1.6

EXACT DUPLICATE

REPLACEMENTS

POWER TRANSFORMERS

Majestic Models, 71, 72, (70 Chassis) Plate Transformer



RADIO MODEL

Stancor Type No. P-790, List, \$4.90 3E3777— \$2.88

Stock Stancor

Filament Transformer Models 71, 72 (70 Chassis) Stancor Type No. P-798. List. \$4.65 List, \$4.65 3E3778- \$2.73

Majestic Models 91, 92 (90 Chassis) Power Transformer



3E3780— YOUR PRICE \$4.06	
NATIONAL CARBON CO.	(See Eveready)

NAVIGATOR 41 (Series 40) 47 (Series 40) 51 (Series 50) 51A (Series 50-A) 51B (Series 50-B) 51C (Series 50-C) 71 (Series 70)	3F3665 3F3666 3F3667 3F3669 3F3668	P-453 P-597 P-1260	\$2.15 2.41 2.06 1.88 2.70
OZARKA 90 93-A Viking 91	3F3785 3F3668 3F3786		3.67 2.70 3.41

Ozarka Model 90 Stancor Type No. P-220

List Price, \$6.25 3E3785-YOUR PRICE



PEERLESS (See United Corp.)

		and a	4
PHILCO 14, 91 (Code 221-3) 16, 17 (Code 122) 16, 17 (Code 121) 18, 18 (Code 124) 20, 220 (Chassis 20)	3 J 3759 3 J 3766 3 J 3784 3 F 3805 3 F 3794	P-1571 P-1573 P-1568	3.59 3.59
21 50, 51, 52, 551 65 (Chassis 65) 70, 270, 370, 470, 570 71 (Twin Speaker)	3 J 3787 3 F 3791 3 F 3795 3 F 3806 3 J 3789	P-1460 P-711	2.47 3.20 3.12
76, 77 86 (Chassis 86) 87 (Chassis 87) 90, 490 (Chassis 90, 1-'47) 40, 490 (Chassis 90, 2-'47s)	3F3796 3F3797 3F3798 3F3792 3F3803	P-786 P-763	
90, (Chassis 90, 2-'45s) 91 (Chassis 91) 95, 96, 296 111, 211 (Chassis 111), 112, 212 (2-'45s)	3F3793 3F3804 3F3799 3F3800		
112, 212 (2-'478) 200, 201 511 (511 Chassis)	3F3801	P-882 P-1576	3.88



Philco Model 65 Stancor Type No. P-711. List Price, \$5.45

E3795— OUR PRICE \$3.20

Philco Models 20, 220 Stancor Type No. P-762. List Price, \$5.80 3E3794

YOUR F	RICE	\$3	41
RCA—RADIOLA— VICTOR AP-736, AZ-774B, 10-69 10-51, (above Ser. No. 800)			
10-70, (ahove Ser. No. 2600) 12-15, (above Ser. No. 2600) AP-736B, 9-16X	3F3817 3F3818	P-1473 P-1430	
AP-777C, R-64, R-67, 9-18X, 9-54 E-35, 12-135, E-152, R-32, R-52, RE-45, RE-75,	3F3816	P-827	10.58
RE-154, RE-156 R-4, R-6	3F3819 3F3738	P-717 P-1487	4.00 2.82
R-5, R-5X R-7, R-9 R-7A	3F3732	P-1493 P-1481 P-1482	2.38 2.85 2.97
R-12, RE-19, RO-23, R-8, R-10 R-11, R-21, RAE-26,		P-1483	2.94
RE-18, RE-18A	3F3730	P-1474	3.29

RADIO MODEL	Stock No.	Stancor Type	Your Price
R-14, R-15, R-42, R-48, RE-17 R-17, R-18AC, R-33AC,	3 F 3 7 2 8	P-927	\$3.88
R-51AC, RAD-50, 7-11, 7-25, 7-26X R-34, R-35, R-39, RE-57, RE-73	3F3677 3F3821		3.18 3.73
R-44, R-46, R-47 R-60, R-62	3F3748 3F3678	P-714 P-715	3.50 3.20
R-66 R-80, R-82, R-86	3F3749 3F3726		3.82



Graybar GB 700, GB 770, GB 900

Westinghouse WR5, WR6, WR6R, WR7

List Price, \$5.90 3E3726—YOUR PRICE	\$	3.47
RCA Victor R 44, R 464 Graybar 500, 55	C, R	47
Stancor Type No. P-714.		

List Price, \$5.95 3E3748—YOUR PRICE\$3.50 RCA Victor R 60, R 62, Brunswick 3 NC 8, 5 NC 8

Stancer Type No. P-715. 3E3678—YOUR PRICE \$3.20

RCA Victor R 17, R 18 AC, R 33 AC, R 51 AC, RAD 50, 7-11, 7-25, 7-26X Brunswick 5 KR, 2 KRO, 3 KRO, 5 KRO, 3 KR6, 5 KR6 Graybar 310, 311.

Stancor Type No. P-791. 3E3677-YOUR PRICE \$3.18

RCA Victor Radiola Models E-35, E-135, E-152, R-32, R-52, RE-45, RE-75, RE-154, RE-156

Stancor Type No. P-717, Lis 3E3819-YOUR PRICE	t, \$6.80	\$4	00
SENTINEL RADIO CORP. 108, 108A, 108B, 110 111, 112, 114, 115, 116 (Chassis 104)	3F3851 3F3850 3F3850	P-420 P-1253 P-1253	\$2.68 4.00 4.00
SILVER MARSHALL B, J D, E, F Q DeLuxe below No.40,000		P-1496 P-1439 P-1467	2.94 3.70 4.00
V, 728 Short-Wave Q Short-Wave R Sheridan 750 726 Short-Wave	3F3826 3F3823 3F3824 3F3830	P-1467 P-1491 P-1272 P-1490	4,00 3,59 2,91 3,65
A 30, A-32, A-40 2hP-25, 3-R, 4-R A-31, A-33, A-35 SPARTON	3F3828 3F3829	P-1380 P-1380 P-1462	3.67 3.67 3.62
AC-7, 62, 63 9-A, 410, 420, 600A 610-A, 620-A 25, 26, 26AW, 30, 30A 30B, 45 35, 101, 110, 111, 111A	3F3807 3F3808 3F3808 3F3809 3F3809 3F3831	P-1196 P-1196 P-1204	2.47 3.76 3.76 3.88 3.88 4.44
870 89-A 99, 109 103, 301, 301A, 564 570, 574, 578, 740, 750 591, 593, 931 55-55 (Police Set)	3F3831 3F3832 3F3831 3F3811 3F3812 3F3813	P-921 P-1411 P-1372 P-1372 P-909	4.44 3.18 4.27 4.79 4.79 3.84 3.79 3.76
my-no (1 mice tee)	3 - 3014	1 -1 00 0	3.76

Sparton Models 591, 593, 931

Power Transformer

Stancor Type No. P-864.

List Price, \$6.45 3F3813-YOUR PRICE



RADIO MODEL	Stock No.	Stancor Type	Your Price
SPLITDORF M-5 (Plate)	3 F 3 7 0 3	P-961	\$3.18
STEWART- WARNER 801, 801-A, 802, (Series A) 801, 801-A, 802, (Series B)	3F3837	P-1108	3,53
901, 902, 903 (Series 900) 951, 952, 953	3F3839 3F3839 3F3839	P-1470 P-1470	2.88 2.88 2.88
(Series 950) R-100-A, (Series R-100)	3F3839 3F3839		2.88 2.88

RCA Victor Radiola Models R 80, R 82, R 86

Stewart-Warner 901, 902, 903, (Series 950) 951, 952, 953, (Series 950) R-100 A (Series R-100)

Stancor Type No. P-1470. List Price, \$4.90



3		3
N 3F3842 3F3843 3F3844	P-1209 P-834 P-1053	3.88 3.76 3.97
3 F 3 8 4 6 3 F 3 6 8 3	P-219 P-1928	3.09 2.50
n)		
3 F 3 8 4 7 3 F 3 8 4 8 3 F 3 8 4 9	P-149 P-130 P-187	2.06 3.96 2.94
3F3625	P-1404	2.65
3F3788	P-1434	3.20
3 F3628 3 F3628 3 F3631 3 F3631	P-1479 P-1479 P-1495 P-1495	3.09 3.18 3.18 3.38 3.38 3.56
3F3620 3F3623 3F3621	P-1070 P-1405 P-1358	3.56 2.53 2.29 2.29 2.97 4.94
	3F3842 3F3843 3F3843 3F3844 3F3846 3F3683 n) 3F3847 3F3625 3F3625 3F3626 3F3628 3F3628 3F3628 3F3628 3F3628 3F3628 3F3628 3F3628 3F3628 3F3628	N 3F3842 P-1209 3F3843 P-834 3F3844 P-1053 3F3844 P-1928 n) 3F3846 P-219 3F3683 P-1928 n) 3F3847 P-149 3F3848 P-130 3F3848 P-187 3F3848 P-187 3F3625 P-1404 3F3628 P-479 3F3621 P-496 3F3621 P-496 3F3621 P-496 3F3621 P-196 3F3622 P-1076 3F3623 P-1016 3F3620 P-1076 3F3623 P-405 3F3621 P-1358 3F3624 P-1291 3F3623 P-1016 3F3623

Dex Models 36, 3

Fits Monroe and Marvelo Model 6-7.

Stancor Type No. P-340 List. \$8.40





	31	H. H. Mills	
VICTOR (See R. C. A., RADIOLA, VICTOR)			
VIKING (See OZARKA)			
WELLS-GARDNER C CG 60, 63		P-1478 P-1404	4.38 - 2.65
WESTINGHOUSE WR-4 WR-5, WR-6, WR-6R, WR-7 WR-7-R, WR-8, WR-8-R	3F3728 3F3726 3F3726	P-713	3.88 3.47 3.47
WR-10, WR-12 WR-10-A WR-14 WR-15		P-1482 P-1493	2.85 2.97 2.38 3.29
ZENITH 10, 11, 12 (Super Zenith) 52, 53, 54, 55, 60, 61, 62, 64, 67, 71, 72, 73, 77	3F3853 3F3854		4.06 4.50

Zenith Models 52, 53, 54, 55, 60, 61, 62, 64, 67, 71, 72, 73, 77

Stancor Type No. P-712. List Price, \$7.65\$ 50 3E3854-YOUR PRICE



EXACT DUPLICATE

STANCOR REPLACEMENTS

POWER TRANSFORMERS

Exact Fit Guaranteed

THEY FIT! Mounting holes, lugs, voltages and everything exactly like the original. Better insulation and higher safety factor than the original but otherwise the same. We can supply any Transformer you require.

Complete Stock-Quick Shipments

Additional Models

We are constantly adding to our stock additional models of Replacement Power Transformers. If the transformer you require is not quoted here, write us for price, stating make and model of the receiver and the number and type of tubes used. We will promptly send you a low quoisation on the job and guarantee an exact replacement.

Diagram of Connections

Each unit is packed in an individual carton containing a planograph which plainly designates the connecting leads, the voltages, and gives the circuit. When ordering, state name, model number of the set for which transformer is required together with the stock number and you will be assured of prompt shipment.

RADIO MODEL	Stock	Stancor	Your
	No.	Type	Price
AIRLINE (Mont. Ward) AE-10. 62-2600, 62-2622, 62-2655, 62, 2775 62-2665, 62-726, 62-2026, 62-520, 62-1420 62-626, 62-726, 62-2026, 62-2126 62-60, 62-070, 62-1800 62-60, 62-623, 62-3235 62-1238, 62-1838 62-1355, 62-1955 62-20, 62-25, 62-20, 62-26	3 F3629 3 F3680 3 F3620 3 F3623 3 F3623 3 F3624 3 F3624 3 F3624 3 F3630 3 F3630	P-1478 P-1136 P-1070	\$4.38 3.53 2.53 2.29 2.29 2.65 2.97 3.18
62-68, 62-49	3 F 3 6 3 1	P-1495	3.38
62-010	3 F 3 6 2 7	P-1438	

Airline 62-060, 62-070, 62-1800, and Apex 26-W

Stancor Type No. P-1405. Weight, 5 lbs. List Price, \$3,90





ALL-AMERICAN MOHAWK (LYRIC) 60, 61, 62, 65, 66, 80 83, 84, 85, 86, 88 90 Lyric D, Lyric H J, P	3F3638 3F3639 3F3633 3F3635 3F3637	P-1038 P-1134	\$3.76 3.53 4.07 2.79 2.20
ATWATER-KENT 37, 37C, 38 55-Early, 55C-Early 55-Late, 55C-Late 60-1st type, 60-2nd type 60C-1st type, 60C-2nd type	3F3649 3F3651 3F3650 3F3652	P-918 P-913	3.15 3.70 3.76 3.56
60-3rd type, 60C-3rd type 66 Early & Late—Plate 70-L1 chassis, 70-1/2 chassis 70-P chassis, 72-11 chassis 72-H2 chassis, 74-1/1 chassis 74-12 chassis, 74-P chassis 76-L1 chassis, 76-L2 chassis 76-P chassis	3F3663 3F3653	P-1500 P-1213	2.82 3.67
80, 83 82, 85 84-Early, 84-Late 87-1st type, 87-3rd type 80-1st type, 89-3rd type	3F3655 3F3657 3F3659		3,41 3,41 3,41
89P-1st type, 89P-3rd type	3F3661	P-1089	3.70

Atwater-Kent Models 70, 72, 74, 76 Chassis Models L1, L2, H1, H2, P

List Price, \$5.80 Stancor Type No. P-1068.

3E3654-YOUR PRICE





3E3649--YOUR PRICE

BALKEIT 52, 55	3 F3664	P-1149	\$1.91
BELMONT 41-Series 40, 47-Series 40 51-Series 50 51A-series 50A	3F3665 3F3666		2.15 2.41
51B-series 50B 51C-series 50C 71-series 70	3F3667 3F3669 3F3668	P-1260	2.06 1.88 2.69
BOSCH 29, 825	3F3671	P-859	4.23
BREMER-TULLY 81, 82, S-81, S-82	3F3674	P-1112	4.03

RADIO MODEL	Stock No.	Stancor Type	Your Price
BRUNSWICK S-14, S-21, S-31, S-81, S-82, 14, 21, 31, 81, 82 10 11-D, 11A-D, 12-D, 12A-D	3F3674 3F3682		\$4.03 2.62
16-D, 16A-D, 18-D, 18A- D, 33-D, 33A-D (chassis)	3 F 3 6 8 0	P-1136	3.53
5-KR, 2-KRO, 3-KRO, 5-KRO, 3-KR6, 5-KR6 3-NC8, 5-NC8	3F3677 3F3678		3.18 3.20
CLARION AC-40 AC-60 AC-61, AC-70 AC-80, AC-81, AC-84, AC-85, AC-120	3F3682 3F3627 3F3688	P-1438	2.62 3.65 3.47 2.50
AC-90, AC-90-A, AC-91 AC-100 AC-160 AC-260	3F3689 3F3610 3F3611 3F3612	P-1166 P-1558 P-1974 P-1494	3.79 2.29 3.15 3.18
AC-280 AC-300 AC-320 AC-340 AC-360 470, 472 480	3F3613 3F3614 3F3615 3F3616 3F3617 3F3608 3F3609	P-1915 P-1916 P-1871 P-1861 P-1562	3.59 3.65 2.15 2.70 2.68 2.20

Clarion A.C. 90, A.C. 90A, A.C. 91 Stancor Type No. P-1166.

List Price, \$6.45

3E3689-YOUR PRICE



CROSLEY 40-S, 41-S, 42-S, 45-S, 82-S (73 Chassis) 41, 41-A, 42, 704-B 706-Show Box Series 146, 146-1 (Unmounted)	3F3699	P-1015 P-1472 P-1563	3.18
EARL 31, 32, 338, 41	3 F 3 7 0 0	P-893	3.72
EDISON C-2, R-1, R-2 (Plate—JR Chassis) C-4, R-4, R-5 (7R & 8P Chassis)	3F3703 3F3704	P-961 P-1143	3,18 4,57
ERLA 71, 72, 73, 271, 271-A 81, 82, 245 224, 224-B	3F3707 3F3708 3F3709	P-1464 P-1466 P-1465	3.26 3.41 4.03

(7R & 8P ('hassis)	3F3704	P-1143	4,57
ERLA 71, 72, 73, 271, 271-A 81, 82, 245 224, 224-B	3F3707 3F3708 3F3709	P-1466	3.41
EVEREADY 31-Series 30, 32-Series 30, 33-Series 30, 34-Series 30 Series 30-C	3F3712 3F3713	P-1030 P-1480	3.44 2.59
42-Series 40, 43-Series 40, 44-Series 40 52-Series 50, 53-Series 50 54-Series 50	3F3714 3F3715	P-956 P-901	2.88
FREED-EISMANN NB-55 NR-78, NR-79, NR-90-8, NR-95 NR-85	3F3718 3F3700 3F3719	P-1471 P-893 P-1101	3.29 3.73 3.94
FRESHMAN Q15, Q16, 3Q15, 3Q16 QD16-S 31-S, 32-S, 41	3F3722 3F3723 3F3700	P-910 P-919 P-893	3.38 3.38 3.73
41-Series 40, 47-Series 40 51-Series 50 51A-Series 50A 51B-Series 50B 51C-Series 50C	3F3665 3F3666 3F3667 3F3669	P-1000 P-453 P-597 P-1260	2.15 2.41 2.06 1.88
GENERAL ELECTRIC H-31, H-51, H-71 J-70, J-75 J-80, J-85, S-132 K-62	3F3726 3F3738 3F3736 3F3730	P-713 P-1487 P-1483 P-1474	3.47 2.82 2.94 3.29
S-22, S-22X, S-42 S-22A T-12 T-41	3F3732 3F3734 3F3740 3F3728	P-1481 P-1482 P-1493 P-927	2.85 2.97 2.38 3.88

RADIO MODEL	Stock No.	Stancor Type	You
GENERAL MOTORS 110, 180, 190 (Little General MA Chnssis) 211 (S-9-A Chassis) 220 (S-10-A Chassis) 252, 253, 254, 255, 256, 257, 258 (S-3-A Chassis)	3F3743 3F3742 3F3744 3F3745	P-1485 P-1271 P-1506 P-1492	\$2.2 2.5 2.2 3.1
GRAYBAR 310, 311 340 500, 550 600 GB-4 GB-8	3F3677 3F3678 3F3748 3F3749 3F3740 3F3732	P-791 P-715 P-714 P-883 P-1493 P-1481	3.1: 3.2: 3.5: 3.8: 2.3: 2.8:
GB-8-A GB-9 GB-678 GB-700, GB-770, GB-990 GB-989, GC-14, GT-8 GC-13, GT-7	3F3734 3F3730 3F3728 3F3726 3F3736 3F3738	P-1482 P-1474 P-927 P-713 P-1483 P-1487	2.9 3.29 3.88 3.47 2.94 2.82
GREBE ACI-7 (Synchrophase) HS-4 (PP 458) HS-4 (Pentode) HS-8	3F3750 3F3751 3F3752 3F3753	P-1475 P-1476 P-1477 P-1489	3.18 2.97 2.94 2.88
GULBRANSON 60-Series 60, 63-Series 60 200 (9 in line series) 291, 292, 295, 9950	3F3625 3F3629	P-1404 P-1478	2.65
KELLOGG 523, 533, 534, 535, 536	3F3756	P-868	4.25
KENNEO Y 10, 20 26	3F3757 3F3758	P-792 P-1488	3.65 3.79
Kennedy		d	Dip.

Kennedy Model 10 and 20

Stancor Type No. P-792. List Prcie, \$6.45

3E3757-YOUR PRICE 379



TOUR PRICE	4	alill	
KOLSTER-BRANDES B-15, B-16 K-20, K-21, K-22, K-23, K-25, K-27, K-28, K-37 K-24, K-36	3F3763 3F3760 3F3761 3F3762	P-1193 P-1190 P-1191 P-1192	\$4.00 3.59 4.70 3.91
KOLSTER-COLUMBIA 950 961	3F3764 3F3765	P-1194 P-1437	5.23 4.59
MAJESTIC 21, 22, 23 (Unmounted 20 chassis) 51, 52 (Unmounted 50 chassis) 71, 72 (Plate, 70 chassis) 71, 72 (FII, 70 and 70B chassis)	3F3773 3F3776 3F3777 3F3778	P-954 P-905 P-790 P-798	2.82 3.20 2.88 2.73
71, 72 (Plate 70B chassis) 90, 91, 93 (90B chassis) 102 (100-B chassis) 103 (100-B chassis) 91, 92 (90 chassis) 101 (100 chassis)	3F3769 3F3779 3F3780	P-1486 P-939 P-757	2.97 2.73
130, 131, 132(130-A chassis) 233 (230-A chassis)	3F3774	P-1102	4.26
 151, 153 (Unmounted 15 chassis), 154 (Unmounted 15-B chassis), 155 (Unmounted 15-0 chassis) 156 (Unmounted 15 chassis) 181 (Plate, 180 chassis) 	3F3772 3F3782	P-906 P-789	2.09 4.38
181 (Filament 180 chassis) 211, 214, 215 (Unmounted 210 chassis) 251, 253, 254 (Unmounted 25 chassis) 251-B, 253-B,	3F3781 3F3783	P-805 P-1507	3.06 3.23
254-B (Unmounted 25-B chassis) 291 Madison, 293 Adams, 294 Monroe (290 chassis) 324 (chassis 320) 314 (chassis 340, 340B) 363 (chassis 360)	3F3775 3F3767 3F3768 3F3770 3F3771	P-1168 P-1564 P-1565 P-1566 P-1567	3.29 4.12 4.62 4.94 4.70

Stancor Replacement Power Transformers

Flush Mounting Replacements



These transformers fit the physical and electrical requirements of the majority of receivers. Heavy oversized laminations are carefully stacked. Tinned copper rust-proof mounting lugs are securely anchored to a fibre plate, which covers the bottom of the transformer coil. Skilifful engineering, best quality materials and high class workmanship are incorporated in every transformer. Cadmium-plated, rust-proof finish. Any combination of tubes may be used providing the current ratings of the windings are not exceeded. Diagram included with each transformer.

For 105-115 V.; 50-60 Cy. Oper.

For 6.3 Volt Tubes

For 2.5 Volt Tubes

OUR PRICE \$1.85

70 MA. 3 Amps. 3 14 Amps. 7 14 Amps.

\$2.03

90 MA. 3 Amps. 3½ Amps.

\$2.35

110 MA. 3 Amps. 314 Amps. 14 Amps.

\$3.23

Amps.

Plate 700 Volts, C.T. 70 M Fill. 1. 5 Volts, G.T. 3 Ar Fill. 2. 2 ½ Volts, G.T. 3½ Ar Ntg. Area 3½ x3¾ 14 Ar Ntg. Centers 2½ x3¾ 13 F3873—82½ x3¾ 15 F3873—82½ x3¾ 15 F285 X3 14 Y 15 F285 X3 14 Y 15 F285 X3 15 Your Price, 33.45 X3 15 Your Price X3.45 Your Price Y3.45 Your Price X3.45 Your Price Y3.45 Your Price Y3.45 Your

Plate 700 Volts, C.T. 90 M Fil. 1. 5 Volts, C.T. 33 Ai Fil. 2. 2½ Volts, C.T. 33½ Ai Fil. 3. 2½ Volts, C.T. 34½ Ai Mig. Centers 2½ 131½ 3 3F3874—Stancer type P-2860. List Price, \$4.00. YOUR PRICE \$2.00

10 to 12 Tubes
Plate 700 Volts, C.T.
Fil. 1. 5 Volts,
Fil. 2. 2½ Volts, C. T.
Fil. 3. 2½ Volts,
Mtg. Area 3½ '44½',
Mtg. Centers 3' x3¾'

YOUR PRICE ..

YOUR PRICE

YOUR PRICE

3F3875-Stancor type 1'-950. List Price, \$5.50.

Stancor Universal Output

Designed to couple any power tube or push-pull out put (except 2.33 and 5% tubes) to any vote coil load approximately 1, 4, 8, 15, or 30 ohms impedance. Instructions included, Size 1½" 22"x2½" high. 25-List, \$1.60.

Stancor Universal Input

A companion transformer to the above output. A sulfable replacement for either interstage, push-pull or straight Audio Ampillication. Center-tapped secondary for Input to Rids of any Class A power tubes. For either AC or DC receivers. Size: 1½ "x2"x2'2" high. Mig. centers: 2'8".

3F3924—List, \$2.20.

\$1.29

., \$1.60. 94¢

Plate 650 Volts, C.T. 40 MA. 5 Amps. Fil. 1. 2 1 Volts, C.T. 3 Amps. 11. 1 2 1 Volts, C.T. 11. 1 2 1 Volts, C.T. 12 1 X Amps. 13 1 X Amps. 14 Amps. 15 X A	4-Tube Fil. 1. 5 Volts, C.T. 40 MA. Fil. 1. 5 Volts, C.T. 3 Amps. Fil. 2. 6.3 Volts, C.T. 1.6 Amps. Mtg. Centers 2' x2'4' 1.8 Amps. 1.8 Amps.
Mtg. Centera 2" x234" 3F3869—Stancor type P-2750. List Price, \$1.95. YOUR PRICE	3F3878—Stancor type P-2751. List Price, \$1.95. YOUR PRICE
Plate 650 Volts, C.T. 40 MA. Fil. 1. 5 Volts, C.T. 3 Amps. Fil. 2. 254 Volts, C.T. 4½ Amps. Mtg. Area 25 33 Mtg. Centers 2 2244	A or 5 Tubes Plate 650 Volts, C.T. 40 MA. Fil. 1. 5 Volts, 3 Amps. Fil. 2. 6.3 Volts, C.T. 2 Amps. Mtg. Area 22 3737
3F3870—Stancor type P-2770. YOUR PRICE	Mtg. Centers 2' x2'4' 3F3877—Stancor typo P-2771. List Price, \$2.25. YOUR PRICE \$1.32
Plate 650 Volts, C.T. 40 MA. Fil. 1. 5 Volts, C.T. 3 Amps. Fil. 2. 2½ Volts, C.T. 1½ Amps. Fil. 3. 2½ Volts, C.T. 3½ Amps. Mtg. Area 2½ 'x3' Mtg. Centers 2' x2½'	Fil. 2. 6.3 Volts, C.T. 70 MA. Fil. 2. 6.3 Volts, C.T. 3 Amps. Mtg. Area 3½'x3½' Mtg. Centers 2½'x3½'
3F3871—Stancor type P-2868. List Price, \$2.45. YOUR PRICE	3F3878—Stancor type P-948. List Price, \$3.60. YOUR PRICE
File 700 Volts, C.T. 50 MA. Fil. 1. 5 Volts, C.T. 3 Amps. Fil. 2. 2½ Volts, C.T. 1¾ Amps. Fil. 3. 2½ Volts, 5¼ Amps. Mtz. Area 213 x 3¾ x 3¾	7 to 10 Tubes Plate 700 Volts, C.T. 120 MA. Fil. 1. 5 Volts, C.T. 3 Amps. Htg. Area 3½'x4½' Mtg. Centers 2½'x3½'
Mig. Centers 2 ¼ "x2 13 ¼" 3F3872—Stancor type P-2869. List Price, \$3.15. YOUR PRICE \$1.85	3F3879—Stancor type P-949, List Price, \$3.90. YOUR PRICE

Stancor Tube Checking Transformer



3F3880-Stancor Type P-1834 List Price \$3.20

> Your Price \$ 1 88

For construction of tube testers and for replacement. Secondary is tapped for 1.1: 1.5: 2.0: 2.5: 3.0: 3.3: 5.0: 6.3: 7.5: 1.2: 25 and 30 toils. Primary is tapped for 105: 115, and 125 volts. 12" coded leads. Height 2%", depth 2", length overall: 4n". Mig. centers 3%".

Stancor 30 Henry Filter Chokes



Guaranteed finest Quality. Silicon steel core. Care-fully stacked laminations. 5" Enameled leads. Ena

3F4200—30 Henries, 50 MA. Dimensions: Core ¾"x¾", Height 2", Depth 15%". Length overall, 3♣". Mounting hole centers 2投" Stancor type C-1003. List, \$1.25 YOUR PRICE

3F4201—30 Henries, 75 MA Dimensions: Core 76"7", Height 21", Depth 17", Length overall, 3\frac{3}{3}", Mounting hole centers 3\frac{1}{3}". Mounting hole centers 3\frac{1}{3}". List, \$1.55.

l or straight enter-tappet enter-tappet enter-tappet rids of any reither AC Depth 2". Length overall 4\u03be''. Stancer type C-1001.

\$1.29 List, \$1.85.

YOUR PRICE \$1.09

Fully Shielded Replacements



For 105-115 Volt: 50-60 Cycle Operation

P-1501—9 to 12 Tubes TUBES: 5-26's; 2-27's or 4-56's; 1 or 2-71A's; 1-80, 82: 83 or 5Z3. SECONDARIES:

(i)	600 Volts, C.T.	60 MA.
(2) OR	5 Volts, C.T.	3 Amps.
	2½ Volts.	3 Amps.
(3)	1 1/2 Volts, C.T.	1 Amp.
(4) (5)	1½ Volts,	4 Amps.
(5)	214 Volts, C.T.	4 Amps.
(6)	5 Volts, C.T.	34 Amps.
3F38	88 -List, \$4.40.	\$2 E0
	PRICE	\$2.59

P-1502-7 to 10 Tubes TUBES: 5-27's, 24's or 9-56's; 1-45 or 47: 1-80, 82, 83, or 5Z3.

	NDARIES:	
(1)	700 Volts, C.T.	70 MA.
(2) OR	5 Volts, C.T.	3 Amps.
ÒR	214 Volts,	3 Amps.
(3)	2½ Volts, C.T.	1% Amps.
(4)	214 Volts, C.T.	9 Amps.
3F38		62 04
YOUR	182—List, \$5.00. PRICE	32.74

P-1503—11 to 13 Tubes TUBES: 6-26's; 2-27's or 4-56's; 2-4 or 47's, 2A5's; 1-80, 82, 83 or 5Z3.

SEÇO	NDARIES:	
(1)	700 Volts, C.T.	120 MA.
(2)	5 Volts, C.T.	3 Amps.
OR	216 Volts.	3 Amps.
(3)	11/2 Volts, C.T.	1 Amp.
(4)	11/2 Volts,	5 Amps.
(5)	2 1/2 Volts, C.T.	4 Amps.
(6)	2 1/2 Volts, C.T.	314 Amps.
3F38	83-List, \$6.25.	CO LA
YOUR		34.07

Each shield is provided with two fibre grommets through which any or all leads may be brought out for wiring above the chassis. Insulated 6' leads out bottom. Rich baked black enamel finish. Diagram supplied. Tube combinations listed are merely suggested applications. Any combination may be used, provided the current ratings of the windings are not exceeded.

Dimensions

STANCOR	Width A	Depth B	Height C
P-1501	31/2	338	4 1/2
P-1502	3 1/2	33%	41/4
P-1503	3 18	3 %	51/4
P-1504	3 Hi	3 %	514
P-1505	3 118	3 %	51/4
P-1570 _	31/2	3 %	4 1/2
P-1	504 <u>—</u> 8 t	o 12 Tub	81
TUBES: 8	5-27's or	9-56's:	2-45's or

47'8, 2A5'8; 1-80, 82, 83, or 5Z3. SECONDARIES:

(1)	700 Volts, C.T.	120 MA.
(2)	5 Volts, C.T.	3 Amps.
OR	234 Volta.	3 Amps.
(3)	232 Volts, C.T.	1214 Amps.
3 F 3 B	84-List. \$5.85.	2 7 71111710.
	PRICE	\$3.44
TOUR	PRICE	・イン・ササ
		_

P-1505—10 to 16 Tubes
TUBES: 7-27's or 13-56's; 2-45's or
47's; 1-80, 82, 83, or 523.
SECONDARIES:
(i) 700 Volts C.T. 100 MA

YOUR	PRICE	\$3.56
3F38	85-List, \$6.05.	
(5)	2 12 Volts, C.T.	314 Amps.
(4)	214 Volts, C.T.	9 Amps.
(3)	21/2 Volts, C.T.	4 Amps.
OR	21/2 Volts.	3 Amps.
(2)	5 Volts, C.T.	3 Amps.
(1)	700 voits, C.1.	120 NIA.

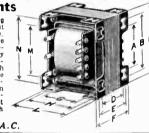
For 6.3 Volt Tubes

P-1570—7 to 10 Tubes
P-1570—1 to 10 Tubes
TUBES: For use with any combination of the new 6-3 voit tubes.
SECONDARIES:
(1) 700 Voits, C.T. 85 MA.
(2) 5 Voits, C.T. 3 Amps.
(3) 6.3 Voits, C.T. 3 Amps. 3F3886-List, \$5.50. \$3.23 YOUR PRICE __

Universal Replacements



For 105-115 Volt; 50-60 Cycle A.C.



Bracket Dimensions

TRANS	A	В	C	D	E	F	G	Н	L	M	N
P841 P844	211/6	311/4	434	284	3*4	41 g	2 1/4	3 1/4	3%	31/4	41/4
P848 P929 P930	2 1/4	211/4	31/4	17%	21/2	27%	111/4	211/4	316	21/4	31/4
P931	216%	311/6	414	216	314	354	2 1	3 1/8	334	316	41/4
		P-84	4		-			P-	929		

P848 P929 P930	2 1/4	216/4	31/4	17%	21/2	2 7/8	111/6	211/4	316	21/4	:
P931	2164	311.46	41/2	216	314	354	2 * in	3 1/8	334	316	4
TUBES 2-81's, SECON				6's; 2-	50's;	2-71A	NDA	26'8, 1 0, 82, 1 RIES:	83 or .		
(1)	1200 V	olts C	T.	150 M	A.	(1)	570	Volts.	C.T.	70	M

SECUI	NUA	KIES:	:		
1)		Volts		150 1	MA.
2)	712		, C.T.	214	Amps.
3)		Volts.			Amps.
4)			, C.T.	2 .	Amps.
5)	112		, C.T.		Amps.
			\$6.90.	64	.06
10 U R	PRI	CE		74	·VU
	_	D	-844	-	
			-044		

	P	-84	4	
TUBES:	6-27'8	or	10-56's:	2-50's:
2-81's.				
SECOND	ARIES	:		
. 11 10/	A 37-14	_	TD 1 = 0	2

17			s, C. I		O MIN.
2)	736	Volt	s, C.T	. 23	4 Amps.
2) 3)	715	Volt	9. C.T	. 21	4 Amps.
4)	214	Volt	s. C.T	. 101	4 Amps.
3F38	188-	-List,	\$6.95	i. 📀	4 00
OUR	PRI	CE .		3	4.09
				•	•

P-848			
TUBES: 6-27's or 10-56's;	1	or	2.
71A's: 1-80, 82, 83 or 5Z3.			
SECONDARIES:			
(1) 570 37-14- 0 70	Pro.	3 6 4	

SECO	NDARIES:	
(1)	570 Volts, C.T.	70 MA.
(2)	5 Volts, C.T.	3 Ampa.
OR	21% Volts.	3 Amps.
(3)	5 Volts, C.T.	34 Amp.
(4)	214 Volts, C.T.	1016 Amps.
3F38	389-List, \$4.35.	\$2.56
VALIB	PRICE	32.30

TUBE	S: 6-		-27 O	2-56'6	: I	or
2-71A1	8; 1-8	0, 82,			., -	
SECO						
(l) (2)		Volts,			MA	

	_		020	_	
OUR	PRI	CE	\$3.60,	ŲΔ	·• I &
F38	90-	List.	\$3.60,	61	111
i)			, C.T.		Amps
()			. C.T.	35	Amp.
()	236	Volts.	C.T.	2	Amps
R	24	Volts.	_	3	Amps
2)			C.T.		Amps

1	TUBES: 5-27's or 8-56'	s; 1-45 or 47;
ı	l 1-80, 82, 83 or 5Z3. l (1) 700 Volts, C.T.	70 MA.
ı	(2) 5 Volts, C.T.	3 Amps.
ı	OR 214 Volts.	3 Amps.
Ì	(3) 2 12 Volts, C.T.	1¼ Amps.
ı	(4) 2 ½ Volts, C.T.	834 Amps.
	3F389 [-List, \$4.00.	
1	YOUR PRICE	マー・ノノ

TUBE	S: 7-	27'в о	r 12-56	's; 2-	45's	or
47's; 1-	-80, 8	2, 83 c	r 5Z3.			
(1)					MA.	
(2)			C.T.		Amr	
OR	234	Volts,			Amp	
(3)	215	Volts,	C.T.	314	Ami	99.
(4)	214	Volts,	C.T.	1214	Am)6.
3F38	92	-List.	\$5.15.	01		~
YOUR	PRI	CE		. 71	3.0	3

P-931



Best De Luxe 6½" Dynamic

47C List. \$9.50. EACH 3F10470-\$158

TEN FOR \$14.95 With Output Transformer For Single 47, 2A5, PZ, PZH, 79, 89, 33, 68, GA Tubes Field Resistance 2500 ohms.

Full size Genuine Best

Full size Genuine Best Dynamic Speaker Chassis. Rust-proof aluminum finish. Strong, rugged construction. Overall diameter 632". Depth 234". Cone diameter 36". Power handling capacity 3 watts. Power dissipation of fields 5 watts. One-piece moulded cone. The output transformer can be easily removed and another one substituted for operation of this speaker with other types of tubes than those specified above. specified above.



Permanent Magnet Dynamic



4½" dcep. Voice pedance 4 ohms. List. \$7.65. List. \$7.65. YOUR PRICE. \$4.59

3F10494—10" diam., 514" deep. Voice coil impedance 35 ohms. List, \$10.00. List, \$10.00. YOUR PRICE. \$6.00

See listing of output trans-

formers Page 48.

formers Page 48.

Fine quality reproducers designed and constructed by R.C.A. Capable of handling enormous volume with true fidelity and no distortion. Require no field current. Specially suitable for extension speakers on public address systems. Used by R.C.A. in battery receivers and in centralized sound installations. Pressed steel frames. Excellent quality heavy permanent magnets. Entire assembly is coated with a silver lacquer.

Speaker Field Coils For APEX, GLORITONE U. S. Radio Television and Montgomery Ward Sets



High grade colls. Wound more accurately and impregnated accurately and impregnated more thoroughly than the orig-inals. The complete specifica-tions given below assure you of receiving exact coil needed.

Set	Fact. Spkr.							
Model	No.	No.	Ohms	LD.	O. D.			
20 26 26 A	2714 2286 2467	7900 *7901 *7902	5,935 11,500T 11,500T	114	214 24 24 214	78 112 134		
26P 26P	2758 2925	*7903 *7904	11,500T 11,500T	7 9	2 4 2 4	134		
261° 27 32 8A	3261 1936 2505 2801	7905 7906 †7907 †7908	1,000 11,000 700 6,600T	7 R 1 1 4 1 7 6	214 214 214 214	1° 14 1° 12 1° 13 1° 14		
10B 99A 31 24 46 54	3261	7909 7910 5694 5695 5696 5697	1,000 2,500 2,500 2,500 2,500 2,500	1 14 1 16 1 16 1 16	234 218 278 238 3 284	1 1 1 1 1 1 1 2 7 8 4 3 7 9		
7A 600 10C 47 12B	*:	3J7171 3J7172 3J7173 3J7174 3J7175	650 9,600T 5,000 2,250 2,500	156	23 8 3 284 284 284 314	1 7/6 7/6 1 3/4 2 7/6 2 1/6		
41 19 120	103	3J7176 : 3J7177 3J7178 :	2,250 1,350 T 7,600 T	114 114 116	21/3 2 \(\) 8	3 1,4 1,4		

*Tapped at 2400 ohms.

"Tapped at 450 ohms. †Tapped at 3000 ohms.

You Can Depend on Radolek

Radolek makes same day shipments of all cones and field coils listed and can give you twenty-four hour service on any field coils or cones not listed. See pages 42 and 43.



Output and Voice Coil Impedances

Output and Voice Coil Impedances
One variable switch is used to adjust the Dynatest
speaker so that it will operate with any combination of output tubes and the other permits
aperation with voice coils of from 1 to 16 ohm
impedance. Complete Unit is housed in a 12x12x6
inch leatherette covered case. Binding posts are
so arranged that straight wire leads or plug tips
may be used. Engraved indicating plates.

Color Coding Enamel

3F2072-Your Price. Complete

For color-coding ng coil terminal blocks, etc.
Five 14 oz. screw top
bottles: Green. Blue,
Yellow and Red, together with bottle of
thinner. Four brushes
are supplied. forms, jacks, so terminal blocks,



New Air Drying Black Crystallizing Lacquer No Baking or Heating Required



3J2472-2 oz. can YOUR PRICE 21¢ 312473—Pint can \$147

Gives any metal a professional crystalline (crackle) finish. Makes repair jobs look new. Easy to work with—just paint the panels and let it air dry. Dries in twenty minutes.

Cement for Bakelite Glass or Metal 3F2069-

YOUR PRICE, PER CAN 21¢ Made for sticking Bakelite to Bakelite, glass, metal parts, etc. For cenenting loose inserts, moldings, tube base, caps, etc. Finds many uses around the shop. Generous supply in metal can with directions.



OWOTA

Furniture Scratch Remover

3F2068-List, 50e. YOUR PRICE 30¢



Just a touch of stain with the brush and the scratch disappears forever. Always ready for use, suitable for any color finish. In-dispensable in Radio store, for touching up minor scratches and defects. Packed in permanent case, easily carried in the vest-pocket.

Ray-O-Vac Phix

For Filling Cracks and Holes in Radio Cabinets

3F2302-1/2 lh. can. YOUR PRICE 25¢

For filling holes or cracks in radio cabinets, for restoring carved or ornamental wood. For use with wood, bakelite, metal, stone, cement, plaster, etc. Mixes quickly with a little water—sets within a few minutes. Can brarved, planed, drilled, sanded, painted, or lacquered within a few hours. Prepanatural color. Can be used for reseatin Does not shrink and is non-inflammable. l-c Prepared in a

5000 Volt Insulating Cambric

312070-R o 11 of 200 square inches. List Price, 50e.



YOUR PRICE.... 29¢ For insulating and preventing grounds and shorts on field coils. transformers, resistors, condensers, wires, etc. Will safely withstand up to 5000 volts. A dry cambric.

New Dynatest Speaker

Tests all radio chassis without their speakers.
Determines whether set or speaker is at fault and eliminates blindly removing both chassis and speaker.
Matches any output tube combination. Either single, push-pull, parallel, Class A or Class B.
Three rotary switches select the proper field resistance, output impedance and voice coil transformer.
Haudling capacity of 5 watts continuously and from 8 to 10 watts for testing purposes.

3F10499—Complete Unit in portable casc. price, \$22.50.

3F10497 Laboratory Model without cover or handle YOUR PRICE \$12.64

3F10498--Panel Only Completely Wired. List Price, \$19.60. YOUR PRICE

\$11.51

Field Resistances

A heavy duty dynamic speaker having an over-sized field housing containing a multiple field tapped at 659, 1000, 1500, 2000, 2500, 3000, 5000 and 11,000 ohns with special taps at 300 and 2500 ohns. By means of a variable switch anyone of the fields can be brought into the circuit. Meets the requirements of more than 90% of the sets in service,

Speaker Centering Shims

3E7970-Your Price, Per Kit 36¢

Paper Rings and Felt Strips For Mounting Speaker Cones



3F7971-

Your Price, Per Set 29¢

An assortment consisting of 9 rings and 9 pieces of felt 6" long and \(\lambda' \) thick. One each of the following sizes: 5" 8" 7" 8" 9" 10" 11", 12" and 13" 10". 11", 12" and 13" in mounting of speaker on cabinet or baffle.

Radio Repair Cement

For Speaker Cones Wires Etc. 3E2066-

YOUR PRICE. Per Set

34¢



Extensively used by leading Radio Manufacturers for cementing speaker cones and voice coils, anchoring R.F. coil wires, etc. Waterproof. Makes extra strong durable joint. Ready for use. Sets almost instantly. Generous size metal can will last for months. Eastly carried in kit without danger of breakage. Brush for applying and can of thinner included. Thinner is also useful for loosening cemented wires and removing value coils. voice colls.

Cone Cement

In Handy Metal Tube 312064-YOUR PRICE 24¢

For cementing cloth and fibre cones, paper rings or felt to metal speaker frames. Dries in less than ten minutes and will hold permanently. Supplied in a metal tube containing three ounces.

Magnetic Speaker Coils

for RCA R-100, 30, and Western Electric 540AW
Magnetic Speakers 3E7968-Your Price, Per Pair 25¢

Your Price, Per Pair Exactly duplicate the original coils physically and electrically. Total Resistance 1500 ohms. Size 21/32" Outside diameter with A" hole. Thickness A". See Figure 52, Page 43, Gernsbach Manual Vol. 1.

For RCA R-100A, 100B and 103
D.C. resistance 1200 ohms. Size of each coil, 1½" outside diameter, ¼" hole diameter, ¼" thickness, For Speakers used in RCA Models 30A, 50 and 51. For use with any Speakers using this same size coil. 3E7969— 3E7969

YOUR PRICE, PER PAIR 29¢

THE RADOLEK COMPANY

REPLACEMENT SPEAKER CONES

REPLACEMENT SPEAKER FIELD COILS

Set, Sphr. Mod.		Stock	Your	Set, Spkr. Mod.		Stock	Your	Exactly duplicate istics of the orig withstand extreme	inals.	Thorou	ighly I	mpregnated. Will		7	A
or Part Num. RCA (Continued)	In.	No.	Price	or Part Num. Sparton (Continu	ln. ed)		Price	curate. Field Coils We can supply an	Supp	lied f	or Al	! Speakers		d	3
Pt. 9539, Models 135B, 235B (RCA R71)	71/4	11590	\$0.59	610(Magnavox 138) 410	714	11525 11592	\$1.47 1.47	ings. When orde model number of I	ring co both spe	ils not	Llisted	, give name and	VI,	1/2	7
Pt. 9588, Model 103, (RCA R37)		11683	.59	Steinite (All Models)	10	11597	1.70	Set or Speaker	Field Ohms			Set or Speaker	Field Ohms	Stock No.	Your
Rola F4 F6A	5	11663 11684	.88 1.03	Stewart Warner 200A, 445A, 565A, (2 Pt. Spider)	9	11598	1.62	Airline (Mont. Ward)				Majestic(Contin	ued) 720		52.94
F5 G12 Series F6, F8	61/4 12 8	11593 11625 11594	1.03 1.71 1.18	445A (3 Pt. Spider) 104A	9	11599 11600	1.62 1.47	7-D 64 62-72	1,500 5,000 12,500	7154 7155 7156	\$2.20 2.35	G14E G14F G19B	5,350 1,040 520	7952 7953 5660	3.53
(Old Model "J")	916	11595	1.62	Stromberg Carlson 40A 10, 11, 12, 14, 19,	10	11693	1.47	123 326W	1,250 5,500	7157	2.35 2.47 2.35	G19C G19F	710	5661 5662	1.62
D90, D110 Series "K" K7 F5B	8	11592 11688 11689	1.47 1.62 1.03	10, 11, 12, 14, 19, 20, 25, 26, 27, 641, 642, 846	12	11694	1.70	Apex Gloritone (See complete det lowing page).	ailed lis	ting o	n fol-	G19G G22A G22B	710 970 970	5663 5664 5665	1.59 1.62
Silver Marshall				Symington LL18 Speaker LL18	10 12 1/4	11690 11621	1.47 1.70	Atwater Kent 46, 53, 47 (Speaker F2) Early, Late				G22C G22D G22E	2,200 450 970	5666 5667 5668	1.62 1.47 1.85
A. B. C. D. E. EP, G. J. Q. Z. 726-S W. 773(Jensen D9)	1111/4	11521	1.62	Temple Auditorium Spkr.	-	11697	2.35	55K (Speaker F4) Early, Late 55,60	1,700 1,100	7911 7912	3.53	G26A G26C G26F	1,100 2,600 980	7161 7162 7163	.82 .82 .82
Ct. 33A, 34A, 35A, 36A, 40, 41, 30. 1021 (Jensen D8)		11531	1.71	U.S. Apex (Glori-				(Speaker F6) Early, Late 61.66	700	7913	3.53	Newcomb- Hawley	2,500	5698	3.82
850, 751(Rola J) 30(Rola J)	9 12	11595 11595	1.62	26. Speaker 2286 26A Speaker 2467 26P Speaker 2758	8 8	11603 11604 11605	1.18 1.18 1.18	Bosch 48	2.400 2.500	7976 7977	3.53	Philco 14, 15, 91(Pt.			
or(Symington) 782(Jensen D12)	10	11664 11541	1.47	26P Speaker 2925 26P Speaker 3261		11606 11607	1.32	5A Brunswick	2,000	7978	2.35	02803) 20,21 (Pt.2768)		7778 7779	1.59
Silvertone (Sears- Roebuck & Co.) Model 175	10	11789	1.47	27 Speaker 1936 8A Speaker 2801 99A Speaker 3261	8	11608 11609 11607	1.18 1.32 1.32	D11,12 16 15	2,400 2,500 600	7914 7915 7916	2.47 2.35 3.53	43(Tw. Spkr.)44, 71(Tw. Spkr.) (Pt. 02767)		7780	1.59
111,1322 (Sym.) 111, 1124, 109(Sym) 376, 1404, 1580,	10 12 1/4	11790 11791	1.47 1.70	7 31 5A	1136	11509 11508 11633	1.32 1.70 1.32	\$14, 821 \$14 814	5,000 2,150 4,700	7917 7979 7980	4.70 3.53 4.41	50, 51, 52(Pt. 02942)		7781	1.32
1582, 1586, 1588, 1589, 1650, 1670, 1590, 1592				Utah Cub(2Pt. Spider)	6	11633	1.18	Crosley M45	1,610 350	7981	2.29	54(Pt.36-3040) 57(Pt. 36-3081) 65, 76, 77, 86, 87,		7782 7783	1.41
(Colonial 37) 1640, 1652, 1722,	10	11660	1.47	Cub (3 Pt. Spider) Lge, Cub No. 2 (2 Pt. Spider)		11613 11509	1.18	M45 M45 269	1,500 2,500 10,000	7918 7992 7919	2.59 2.82 2.35	2850) (Pt.		7784	1.74
1732, 1722X, 1732X, 1721, 1726, 1726X, 1822, 1831				Lge. Cub No. 3 (3 Pt. Spider)	7%	11523	1,32	158 167	8,500 900	7995 7996	2.35	70, 70(A.V.C), 90 (With Spkr.), 470, 490, (Pt.			
(Colonial 71) 1597, 1598, 7050, 1722, 1732, 1705,	1134	11792	1,62	Little Giant No. 1 (Inside Spider)	734	11507	1.18	125 	2,500 1,300	7997 7998	2.35	80,81 (Pt.02667)		7954 7955	1.18
1709, 1750, 1715, 1760, 1708A, 7118		44707		Little Giant No. 3 (3 Pt. Spider) A-100, 0200	9	11506 11617	1.32 1.62	Echophone 84 Edison	3,000 4,500	7999 7920	3.88	90 (with Speaker) 112 (Pt. 02988)		7956	3.52
(Colonial 96) 1709, 1704, 7075	120	11793	1.32	Stadium(66A-66B) P10 Isodyne, 700, 749	81%	11508 11698 11507	1.70 1.18 1.18	Erla 510	2.000	5640	2.06	RCA 46 66 106	2,500 7,000 550	5670 7958 5671	2.35 2.79 2.47
1709, 1704, 7075, 7076, 7077, 7078, 7091, 7093, 7094 (Colonial 153)	43/4	11794	.88	D-200 (A-100) Victor	9	11617	1.62	Grunow 10A2 5A	1,450	7159 7160	2.35	106 41 RC3	6,000 500 3,000	7959 5672 5673	2.94 2.35 2.35
Simplex (N.E.)	6	11631	1.18	RE 32, 45, 75, 52 RE 57, 34, 35(RCA 106)		11526	1.18	Jensen D4-D5 D7-D8 D7-D8	2,250 1,500 2,500	5641 7921 7922	2.59 2.59 2.94	Rola F4	3,000	7960	1.62
(Peter Smith)	6	11691	1.18	Westinghouse WR4, 5, 6, 7(RCA- 106)	1016	11526	1.18	D9-D15 D9-D15	1,000	5642 7923	1.47	F5 F6 K	1,800 2,500 4,700	5674 5675 5676	2.06
Sparton 737, 931, 89A, 99, 101, 109, 110, 11,				WR10, 12, 15 (RCA 48)	10	11527	.88	D9-D15 D9-D15 D9-D15	1,650 1,800 2,500	5643 7924 7925 5644	1.53 1.53 1.47 1.47	K7 Silver Marshall	2,500	5677	2.20
301, 589, 591, 593 740, 750, 930(Mag- navox D7)	9	11550	1.62	Wright-Decoster 107 207	12	11631 11702	1.70 1.70	D10-D11 D12-D14 D16	720 2,300 1,000	7926	1.53	30 (Jensen) Silvertone	1,900	7164	2.59
737, 921 (Jensen D7) 600 Series (Jensen D 15)	111%	11531	1.71	Zenith 52, 72(LL18)	-	11621		K1 K2 K2	2,500 4.2 2,500	5646 5647 5648	1.47 1.29 1.47	(Sears Roebuck) 110 117 1408	900 800 1,650	5678 5679 5680	2.35
FOR AUT				Replaceme				K3 Kennedy 52A	3,200 2,500	5649	2.06	1322 1326	1,350 1,650	7165 7166	2.20
Arvin-10(Operadio)	5	11635	50 88	Philco 3 (Pt.02996)	1	1		Lyric 9 70, 73, 75	5.000	7927	4.12	Sparton 80 600 89A	2,000 5,000 5,000	7168	2.35 2.35 4.41
Atwater Kent		11760		5, 11, J (Nash, Stude), Hup., R (Chr. 6, Dodge,				Magnavox 9'(Med.)D7, D8	2,500	7928	3.82	Stewart Warner	2,250	5683	4.41
Clarion-AR100	5	11706	.88	Ply.) (Pt. 02861)	1	11751	.38	9'(Med.) D7, D8 Early Model 126	7,500 2,250 4,000	7929 5652 5653	4.41 3.73 2.35	950 R202	10,000 10,000 1,500	7962	2.35
Ford (Maj. G24) Ford (Zenith)	6 1/2	11678 11714	1,18 —	6, 7, 8, 9, 10, 10-122, 12, 800, 800-122, Pad, PBD, C (Nash, Stude), C-122				130	2,500	5655	2.03	102A 205A Symington 10'	1,000	7170	3.53
Gen. Elec., B40 Crosley	5	11588		Stude), C-122 (Stude.), D(Nash, Stude. Chr.), D-122 (Nash), E, G(Cry.				150 154 12'	4,000 2,500 2,500	5656 5657 5658	2,35	10' 12'5' LL18	2,500 2,500 2,800	5684 5685 5688	2.76
103, 167 Majestic-66(G24)	6	11662	1.03	6, Ply., Dodge, Chr. Airf., Des. Airf., Hup.), H, H- 122(Pt.36-3159)				Majestic G1 G2		7930 7931	3.86	TCA(Clarion) 51, 53, 55	800		
Motorola				700, G-122(Chr. 6,	714	11752	.47	G3 G4 G5	3,100 2,730 2,730 7,650 7,650	7932 7941 7942	4.70	80, 81, 90, 91, AC 94, 25-94, AC60, 100, 160	800	7967	
5T71, 6T12, 7T38, 7T47A (Jensen) 5T71, 6T12, 7T58,	814	11761		Ply, Dodge, Chr. Airf., Des. Airf., Hup.) Q (Nash, Stude) (Pt. 36-3157				G6 G7	1,000	7943	4.41	220, 240,241 320 340	800 1,200 1,200	7972 7973	1.91
88, 61 (Jensen) 6T'2(Jensen D14)		11762 11541	1.41	Stude) (Pt. 36-3157 RCA-M34	5	11753		G8 G9 G10B	1,250 1,250 1,750	7934 7935	4.41 2.35	Temple (All Models)	2,250	5689	
6T12 (Jensen J1) 88, 61 (W.D. 345) 61, (W.D. 155)	6 1/2 8 6	11526 11703 11701 11556	1.47	Sentinel-600 510 (Quam)	61/2	11713	1.03	G10C G10D	1,650	7937	2.06	Utah 9', A-100	2,250		
61, (W.D. 155) 55, 77(Mag, 150) 77A, 77B	6 7%	11715	1.32	United Motors 4037(Rola F5B)	61/2	11689			765 570 1,430	7940	2.20	Little Giant (Isodyne) Stadium 66A	2,500 2,500	7964	2.00
44 (Utah 5D) 44 (Mag. 165) Super 6 (Utah 6L)	5 5 61/4	11710 11677 11760	.88 .88 1.18	Wells-Gardner 052(Operadio)	5	11635	.88	G13B G13C	570 300 570	7933 7947 5659	1.94 1.94 1.94	Victor RE32-45-75	3,000		
34 (Quam) Dual 6 (Jensen) Twin 8 (Mag.)	5 6½	11707	1.03	Zenith-650 Jr. No. 7	61/2	11714 11764	1.18	G14 G14B	750 550 5 ,350	7948	3.53	Zenith 52	2,500 2,300		3.82

Make

For Majestic Speakers G1, G2

One piece moulded, seamless fibre. The original part in these Speakers is of heavy paper and does not provide reproduction at all comparable with that of these replaces the change and note lent.

For G1

For RE32, 45, 57, 75

Made of reinforced one piece fabric, coated with metalized lacquer. Apex is double reinforced, a feature not used in the original. Bakelite voice coil bobbin with 4 layers of precision wound wire Far superior to the original part.

improvement. 4F11560-For G1



Improved DeLuxe **VICTOR Cone**

YOUR PRICE. EACH 74¢



For Philco
4 J 1 1 7 2 6—F o r
Models 87, 65, 95, 76,
96, 77, 40, 111, 90, 112,
YOUR PRICE 68¢

4 J 1 1 7 2 2—F o r Models 90, 3, 7, 20, 21, 70. YOUR PRICE...53¢

See listing below for a Complete List-ing of Philco Cones.

WE CAN FURNISH CONES FOR ANY SETS NOT LISTED: Send in your old cone with voice coil at-tached.



One piece seamless cones. Due to improved molded astruction, these cones sur- the originals in tone quality

	pass the original and durability.	s in	tone	quality	P
1.32	3 - Coils are	mac		wound	
	of wire as original	nals.	ns a	nd siz	
1.32 1.71 1.47	Set, Spkr. Mod. or Part Num.	Dia .	Stock No.	Your Price	ı
1.47					ı
.82	RCA-Victor (Cont Pt. 8601, Models 48, R6, R7, R7A, R7LW, R8, R9, R9DC, R10, R12, R14, R15, RE16, RE16A, RE17, RE18, RE18A, RE- 19, R21, RO23, RAE26, CE29, R34, R42, R43DC RE73				ı
_	R9DC, R10, R10DC, R11, R12, R14, R15, RE16.				ı
.85	RE16A, RE17, RE18, RE18A, RE-			i ii	۱
.97 1.15	RAE26, CE29, R34, R42, R43DC RE73				ı
1.62		10	11527	\$0.88	ı
	Photophone Pt. 9023, M34, M105	14¾ 5	11586 11588	1.70 .59	ı
1.47 1.41	M103 Pt. 8987 Models R28, R28P, K22 R28EW, RE40, RE40P, 100, 101, 110, 111, 114, 115, M116, 300, 301				ı
1.41 1.47 1.47	R28EW, RE40, RE40P, 100, 101, 110, 111, 114, 115,				۱
1.70 2.35		5	11682	.59	١
1.03	Pl. 8916, Models R78, CRD9AC, CRD9DC, RAE-				ı
1.18		10	11589	.97	۱
.88 1.03	5, R24	734	11590	.73	۱
1.18	Pt. 8935, Models R74, R70, R73, R75, R76, R77, RE81, 128, 128E, 210, 211, 221, 223 224, 224 E, 322, 392E				١
1.18 1.76 1.32	R75, R76, R77, RE81, 128, 128E, 210, 211, 221, 223				
	224, 224E, 322, 322E	10	11591	.97	ı
47	Photophone	735	11587	.88	ļ
.47	Photophone Pt. 10801, Model R32, R35, E35, RE45, R52, R75, H135, E152, RE- 154, RE156 Pt. 7236, Models				l
.71	154, RE156 Pt. 7236, Models	9	11618	1.03	ı
	154, RE156 Pt. 7236, Models R5, RX5, R-5DC (RCA R71)	716	11590	.59	۱
.53		736	11590	.59	١
	Pt. 7594, Models R17-M, R-27,	72			۱
.53	Pt. 7442, Model R4, (RCA R71) Pt. 7594, Models R17-M, R-27, (Mag.) (Mag. 5) Pt. 7598, Models R-18W, R27,	5	11787	.59	١
.48	(Dyn.) (GE RL56)	634	11666	.59	ı
	Pt. 8359, Model R- 22, (RCA100) Pt. 8829, Models M30, P31,(RCA R71)	10	11615	.82	ı
		71/2	11590	.59	ı
.68	M32, (RCA71)	734	11590	.59	١
.38	Pt. 9869, Models RES0, AVRI, AVR-SA, R72, R73A, R75A, R90, R90P, 140, 141, 141F, 220, 222, 240, 242, 260, 261, 262, 280, 321, 327, 330, 331, 340, 340E, 341, 380 (RCA R74)				١
.32	AVR-SA, R72, R73A, R75A, R90, R90P, 140, 141.				ı
.88	141F, 220, 222, 240, 242, 260, 261.				ı
.88	330, 331, 340, 340E, 341, 380				١
.88 1.03 1.18		10	11788	.88	ı
	Pt. 8984, Model R-3B (RCA R71) Pt. 9432, Models	734	11590	.73	ı
1.18	B-3B (RCA R71) Pt. 9432, Models R-510, R53B, 135B, 235B, 236B		44.504	1.05	ı
	R.510, R53B, I35B, 235B, 236B (RCA R74) Pt. 9471, Model 91B, 102, (Mag. 5 in.)	10	11591		ı
1.18	5 in.) Continued on nex	t pa	11619 ge	.59	ı
_	Copyright 1930	5 by	W. C	. Brau	3
		-			

4FII560—For G 4FII561—For G YOUR PRICE, EA		8	34¢	1
Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price	
Airline (Mont. Ward) 28- 22: 28-95: 10,000; 6200; 14,000 (Utah A100) 15,000 1800; 14, 11	9 814 812	11617 11603 11608	\$1.62 1.18 1.18	
1800; 14, 11 1238, 1838, 13, 15, 16, 18 (Utah Large Cub No. 2)	734	11509	1.32	
2955, 3065 (Utah Stadhum) 52, 45, 47, 70, 72, 84, 94, 79, 49, 76	12	11508	1.71	
52, 45, 47, 70, 72, 84, 94, 79, 49, 76 (Utah Large Cub No. 3) 360(Magnavox 130) 24 (Jensen D 15)	7% 81% 81%	11523 11551 11529	1.32 1.47 1.32	
1420 (Utah Cub 2 pt.) 89, 24 (Jensen D9) 62, 43, 078 (Oxford) 96, 98, 104(Opera- dio)	6 1111/4 6	11633 11521 11634	1.18 1.62 1.03	
	5	11635	.88	ŀ
33-25; 62,000 11,000; 33-35 (Utah Little Glant No. 1) 2955 (Jensen D8) AE10 (Oxford)3 pt, 33-35(Rola F6)	8 1114 10 8	11507 11531 11632 11594	1,18 1,71 1,47 1,18	
Atwater Kent 43, 46, 55, 60, 66, 67, 64, F4, (Pt. No. 15142) 43, 46, 55, 60, 66, 67, 64, F2(Pt. No. 14374)	10¾	11500	1.18	
	10¾	11501	1.18	
80, 82, 84, 558, 627 87, 90, 92, 87, Early 83, 85(Pt. No. 19465)	83/8	11502	1.03	
H2, L, F, P, H(Pt, No. 18081) 77, 88, 89, 94, 96, 469, Late 83, 85 (Pt. No. 20737)	10%	11503 11504	1.18	
Best D5 D45 D65	5 5 6	11578 11765 11555	.97 .97 1,15	
Bosch 48, 58 31, 73, 20J 5A, 39A 7, P9, 36A 29A (Magnavox D7)	95 g 93 g 7 7	11510 11511 11512 11642 11550	1.62 1.62 1.18 1.18 1.62	
Brunswick 10 (Clarion 60) D. 11, 12 16, 18, 33, 17, 24, 25 S81, S82, 81, 82, 21, 31, S21, S31 S14, 14	8 3% 9 12	11514 11516 11517	1.47 1.47 1.71	
S81, S82, 81, 82, 21, 31, S21, S31 S14, 14	12 12	11519 11645	1.71 1.71	
Ciarion 60, 80, 81, 85, 90, 91 100, 120, 25-60 51, 53, 55, 25-51, 25-53, 25-55	83%	11514 11648		
	6	11515		١
220, 260, 25-260 240, 241, 280, 25- 240; 25-280 320 100 480	8 6 8¾ 10	11650 11652 11655 11656	1,41 1,18 1,47 1,62	
Crosley M45, 262, 428, 628, 408, 308, Dynacoli 124 (Utah Lge. Cub. No. 2) 124 (Jensen D9)		11520		
124 (Magnavox 144)	-	11509 11521 11522	1.32 1.62 1.32	
125(Utah Lge, Cub. No. 3) 127(Jensen D9) 148 249(Magnavox 138) 269 (Buddy Boy) 167	636	11525 11551	1.32 1.32 1.18 1.47 1.47 1.03	

					_		
Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price	Set, Spkr. Mod. or Part Num.	Dia . In.	Stock No.	Your Price
Everready 30,40 (Magnavox D7)	9	11550	\$1.62	Majestic (Contin G13B, G13C, 353, 215	ued) 12	11571	\$1.32
50	10	11664	1.47	G19—291, 293, 294, 303, 304, 324, 314	10	11573	1.18
Fada Deep, 20, 32, 25, 15, 15B, 15C KU45, 65, 41, 412, 42, 422, 44, 46, 47	814	11627	1.62	GJ16B—311(Jensen D16)	8	11534	1.32
42, 422, 44, 46, 47	101/2	11628	1.70	G5, 131, 132, 233, 61, 63, 163, G6, 51, 52, 53	12 10	11564 11565	1.71 1.47
General Electric T41, H31, H51,					10	11566	1.47
T41, H31, H51, H34, H72, S22, S132, K62, S42B, (RCA 106)	101/	11526	1.18	G7, 21 G24 G25—381 (Pirate Chest)	5	11678 11575	.82
J80, J85, J75 (RCA 48)		11527	.88		-		
B40, 65	5	11588	.59	G26A—411, 413, 411A, 413A, 371, 373, G26C "Best D5"—371	5	11577	.85
General Motors 120 (Rola "J")	91/2	11595	1.62	"Best D5"—371 373 "Best D65"—331	5	11578 11555	.97 1.15
"Little General" (Rola "K")	7¾	11592	1.53	Newcomb-Hawley	-		
Graybar Electric GB678, GB700, GB770, GB900; GB100 (BGA 100)				NH9(MagnavoxD7)	9	11550	1.62
GB770, GB900; GB100, (RCA 106)	101/4	11526	1.18	Joy Kelsey Type	10	11580	1.47
GB170, GB300, GB100, (RCA 106) GB8, GB989, GB9 GB7, GC14, GC13 GT8, (RCA 48)	10	11527	.88	Models 23 Joy Kelsey Type 23, 31, 59, 24 2 pt. Spider(oval) 23, 31, 59, 24 70, 72, 67	Q.	11580 11679 11579	1.41
G18-30(RCA R71)	71/2	11590	.73	2 pt. Spider(oval) 23, 31, 59, 24	10	11581 11632	1.47 1.47 1.70
Grunow 801, 701, 752, 751, 753, 671, 1152,				70, 72, 67 Auditorium	12 14	11582 11680	1.70 2.35
753, 671, 1152, 1162	10	11766	1.62 1.47	Oxford (No. Chgo) Inside Spider	6	11634 11681	1.03
7A, 700 501, 550,(Utah 5D) 500, 504	8 5 6	11767 11710 11768	.88 1.18	2 pt. Spider	8	11636	1.32
650, 651, 750, 661,				Oxford Radio Co. (Chicago) 6A	6	11780	.88 1.03
670	8 1/2 7 3/4 12	11769 11770	1.47 1.32	Model 8A Model 11A	10	11781 11782	1.18
450, 660, 662 901, 902, 1101 1151, 1161	12	11771 11772	1.70 1.70	Model 11MB Model Auditorium Model 12MB	10 14 11	11783 11784 11785	1.18 1.76 1.32
Jensen D4, D5 D7, D8	914	11530	1.71 1.71	Philco Home Sets	-		
D9(Outside Spider)	1114	$\frac{11531}{11532}$	1.71	Philco 14, 15, 18, 19, 43, 47			
D9(Inside Spider) D15 D16	11 ¼ 8¼ 8	11521 11529 11534	1.62 1.32 1.32	14, 15, 18, 19, 43, 47 (D.C.),71, 89 91 (Part #36-3159)	714	11719	.47
DA5, DA6 Aud, DA7 Aud.	13 13	11535 11773	2.94 2.94	16, 17(Part #35- 3061)	10	11721	.71
J1, J2 343, T3 D19 Short 3 pt.	61/2	11536 11537	1.93	20, 21, 46(D.C), 70 70 (A V.C), 90			
D19 Short 3 pt. Spider	10	11538	1.62	20, 21, 46(D.C.), 70 70 (A.V.C.), 90 (2-45's), 90(1-47), 90(2-47's), 470,490 (Part ±02996)			
D19 Long 3 pt. Spider	10	11774	1,62		81/2	11722	.53
D19 Inside Spider D12, D14 K1, K2 P.M. 1	10 8 1/2 6 1/2	11775 11541 11672	1.41	35(Batt.), 37(Batt.) 35, 37, 50, 51 (Pt. #02887)	81/	11724	.53
P.M. 1	872	11542	1.32	38(Batt.), 60 Part #36-3157)		11725	
Series "R" Series "R"	8	11776 11777	1.03			-	
Series "R" Ortho-Dynamic	12	11778 11779	1.76	42(D.C.), 65, 76, 77, 87, 90(2-45'8), 90			
Lyric D No. 9 S-7 (Jensen D15)	1014	11545 11529	1.47	40(D.C.), 41(D.C.), 42(D.C.), 65, 76, 77, 87, 90(2-45's), 90 (1-47's), 90(2-47's) 95, 96, 111, 112 (2-45's), 112 (2- 47's) (Part #36- 3170			
S-6 (Jensen D15) S-8	832	11529 11548 11549	1.32	47's) (Part #36- 3170	10	11726	.68
S-80	10	11549	1.32	48(D.C.), 50, 51, 52 80, 81(Pt 409861)	5%	11727	.38
Magnavox D7, D8, D6, 80, 90, 100	9	11550	1.62	48(D.C.), 50, 51, 52 80, 81(Pt.#02861) 53(Part #36-3000) 54, 57, 58, 59, (Part #36-3029)	54	11728	.32
130 Series, 136 130 Series, 138, 401	814	11551 11525	1.47	#36-3029) 86 (Part #02935)	81/2	11729 11730	.35
140, 144 150 195	7 1/4 6 5	11522 11556 11557	1.32	Quam-Nichols			
Mainstie	-	21331		2 pt. Spider 2 pt. Spider 2 pt. Spider 2 pt. Spider	5	11707 11763	.88 1.03
G1-71, 72 G2-71, 72, 91, 92,	9	11560	l .	2 pt. Spider	8	11786	1.18
G3 90 91 93 101	9	11561 11562	1	RCA-Victor	8	11585	1.18
102, 103 G4—130 G10B—151, 153.	10	11563	1.18	104, 105 Pt. 8558, Speaker 106, Models RE20.	1	1133	1
G10B—151, 153, 154, 155, 156 G11B, G11C, 251, 253, 254, 201, 203 204, 211, 214	71/2	11569	1.18	106, Models RE20, R34, R35, R39, R50, R55, RE57, RAE59, RAE79,			
253, 254, 201, 203 204, 211, 214	10	11570	1,41	RAE59, RAE79, R80, R82, R86	10%	11526	1.18

or Part Num.	Dia. In.	Stock No.	Your Price	2-
Majestic (Contin 313B, G13C, 353, 215 319—291, 293, 294, 303, 304, 324, 314	ued)			con pas
215 319—291, 293, 294,	12	11571		and
303, 304, 324, 314	10	11573	1.18	scn of
GJ16B—311(Jensen D16)	8	11534	1.32	_
GJ16B—311(Jensen D16) G5, 131, 132, 233, 61, 63, 163, G6, 51, 52, 53	12 10	11564 11565	1.71	Set,
37. 21 324 325—381 (Pirate	10	11566 11678	1.47	RCA Pt. 8
Chesty	5	11575	.82	4N, 1871
G26A-411, 413, 411A, 413A, 371,				R91 R16 R14
G26A—411, 413, 411A, 413A, 371, 373, G26C 'Best D5"—371 373 'Best D65"—331	5	11577	.85	R14 RE RE
373 'Best D65"—331	6	11578 11555	.97 1.15	19. RA R34
Newcomb-Hawley NH9(MagnavoxD7)	9	11550	1.62	Phot
Oxford				Pt. 9
oy Kelsey Type Models 23 oy Kelsey Type 23, 31, 59, 24	10 8	11580 11679	1.47 1.41 1.41	Pt. 8 R28 R28 RE
oy Kelsey Type 23, 31, 59, 24 pt. Spider(oval)	814	11579	1.41 1.47 1.47	R2
3, 31, 59, 24 pt. Spider(oval) 3, 31, 59, 24 0, 72, 67	10 12	11581 11632 11582	1.47 1.70 2.35	110 M1
Auditorium Oxford (No. Chgo)	6	11680	1.03	Pl., 8
nside Spider pt. Spider	8	11634 11681 11636	1.18	R78
Oxford Radio Co.	6	11780	.88	84 Pt. 8 R71, 3, 1
Chicago) 6A Model 8A Model 11A	8 10	11780 11781 11782	1 02	
Model 11A Model 11MB Model Auditorium Model 12MB	10 14	11782 11783 11784	1.18 1.76	Pt. 8 R7 R7 R1
	11_	11785	1,32	210 224 322
Philco Home Sets				322
14. 15, 18, 19, 43, 47 (D.C.),71, 89 91 (Part #36-3159)	736	11719	.47	Phot Pt. R3
16, 17(Part #35- 3061)	10	11721	.71	R3: RE H1: 154 Pt. 7
20, 21, 46(D.C.), 70 70 (A.V.C.), 90				Pt. 7 R5. (R0
20, 21, 46(D.C.), 70 70 (A.V.C.), 90 (2-45's), 90(1-47), 90(2-47's), 470,490 (Part #02996)	816	11722	.53	Pt. 7
				(R)
35, 37, 50, 51 (Pt. #02887)	81/8	11724	.53	Pt. R1 (M Pt.
35(Batt.), 37(Batt.) 35, 37, 50, 51 (Pt. #02887) 38(Batt.), 60 Part #36-3157)	7 1/2	11725	.48	R-I
40(D.C.), 41(D.C.), 42(D.C.), 65, 76, 77,				
40(D.C.), 41(D.C.), 42(D.C.), 65, 76, 77, 87, 90(2-45's), 90 (1-47's), 90(2-47's) 95, 96, 111, 112 (2-45's), 112 [2-				Pt. 8 22, Pt. 8 M3
95, 96, 111, 112 (2-45's), 112 (2- 47's) (Part #36- 3170				R7
3170	10	11726	.68	M3
48(D.C.), 50, 51, 52 80, 81(Pt./02861)	5% 5%	11727 11728	.38	Pi.
80, 81 (Pt. #02861) 53 (Part #36-3000) 54, 57, 58, 59, (Part #36-3029)		1	l l	RF AV R7 R9
86 (Part #02935)	5 8½	11729 11730	.88	141 240 261
Quam-Nichels		1170		262 330 340
Quam-Nichols 2 pt. Spider 2 pt. Spider 2 pt. Spider	5 6 8	11707 11763 11786	.88 1.03 1.18	(R
2 pt. Spacer	-	11/06	16	Pt.
RCA-Victor 104, 105 Pt. 8558, Speaker	8	11585	1.18	Pt. R-
Pt. 8558, Speaker 106, Models RE20,				13. (R Pt.
Pt. 8558, Speaker 106, Models RE20, R34, R35, R39, R50, R55, RE57, RAE59, RAE79,				911 5 i
R80, R82, R86	10%	11526	1.18	Cor

No Koil Dynamic Speakers



No Field Coil or Current

Due to a revolutionary discovery in the compounding of metals, we are now able to offer you a dynamic speaker that operates absolutely independent of field excitation susplies. An exceptionally fine unit

citation supplies. An exceptionally fine unit for multi speaker P. A. Installations in Schools, or as an extension speaker on A.C. sets. Performance superior to old style permanent magnet ity Dynamic Reproducers using field current. Non-Magnetic Metal Covering over magnet.

8 Inch Speakers

814" dia., overall depth 34". Voice coil will handle up to 5 watts power.
3110425—With Universal Output Transformer. Matches all tubes single or push-pull.

3J10426-With 1000 ohms tapped at 500 ohms line Output Transformer for P.A. Installations. List Price Each, \$7.60.

YOUR PRICE \$3.72

6 Inch Speakers

6½" Dia. Overall depth 2%". Voice coil will handlo up to 3 watts power. 3110427—With Universal Output Transformer matches all tubes single or push-pull.
3110428—With 1000 Ohms tapped at 500 Ohms Line Output Transformer for P.A. Installations.

List Price Each, \$7.00. \$3.43

Magnetic Speakers



In Square Type Cabinets
3F10534—Cabinet with 5" magnetic speaker fitted with 6' cord. 7" square by 4" deep.

\$2.18 PRICE

3F10535-Cabinet speaker fitted with 6' cord, 7" square by 4" cord. deep. YOUR

PRICE

3F10536—Cabinet with 8½" magnetic speaker fitted with 6' cord. 9½" square by 5" deep. ntted with PRICE

Especially desirable where large coverage is required of a single speaker. A grille in the back cover on the cabinet also permits installation in walls where it is desirable to serve more than one room with a single speaker. Both the front and back grilles are of the same attractive design and are backed up with gold bronze silk cloth. Cabinets are sturdily constructed and reinforced with glue blocks. Base is fitted with felt mounting feet. Entire cabinet, including the back grille, finished in beautiful dark walnut.

With Volume Control

With Volume Control
Speaker and cabinet exactly the same as above
units except equipped with volume control and
on-off switch. Allows complete control of volume
from minimum to maximum right at the speaker.
When volume control switch is turned off loading
resistor is thrown across line to take place or
speaker resistance so that volume of other speaker
on line will not be affected. Particularly recommended for Multi-Speaker Public Address Installations in Schools. Hotels, Office Call Systems,
etc., or as an extension speaker on any radio.
31105377—5" mannetic speaker. enhinet and

3J10537-5" magnetic speaker, eablinet and volume control unit completely assembled.

YOUR \$3.50 PRICE

3110538-6" magnetic speaker, cabinet and control unit completely assembled. YOUR

PRICE 3]10539-81/2" magnetic speaker, cabinet and volume control unit completely assembled.

YOUR \$4.55

Speaker Grill Cloth



Especially constructed of good quality fabrics properly woren so as to enhance the accountic qualities of the receiver. Colorful black and gold pat-tern. For use behind speaker crills grills. 3J2366-Supplied cut 12"

PRICE, Each Piece. 18¢

3J2367-Supplied any length. Width 52 inches \$1.39 YOUR PRICE, Per Yard

Dynamic and Magnetic Speakers

Miniature Speaker Cabinets



EACH ... Ten for \$13.50 Gothic design. Solid.

Gothic design. Solid, rigid construction. Natural walnut veneer front in rich hand rubbed brown finish. Sultable for 5" Magnette and Dynamic Speakers. Handsome appearance. Provides excellent baffic. Overall size 9" wide, 7" wide, 3½" all size 9" wide, 3½" high, deep.

New Walnut Cabinet



For Magnetic Speakers Dynamic Speakers
Takes any Speaker Not
Over 8½" Diameter.
14F10481—Cabinet
Only. List Price \$3.50. Only, List Price \$3.50. Your Price, \$1.40

TEN FOR \$13.50

Attractive new design cablnet, Genuine Walnut front and sides In rich warm walnut brown fin-

warm walnut brown finish. Neat grille with fine, dark gold, figured, two tone grille cloth. Very strong and rigid yet light in weight. Veneer back cover drilled with six 14" holes makes for a finely finished job and insures best acoustic properties. Height 11". Width 10%", Pepth overall 6½". Strew holes omitted so that properly finished job can be made with any speaker. with any speaker.

83/8" Magnetic Speaker



4F10450-List Price \$4.50. Your Special \$179 Price, Each .

Ten for \$17.90

Ten for \$17.90

A highly efficient speaker that gives more volume on less energy input. Finest tone quality with true fidelity. Operates at peak with about 0.7 watts power input. Extra heavy magnet with balanced semature unit which is electrically centered. An ideal speaker for original installation in battery set or for use as an extra extension speaker in sets

ideal speaker for original installation in battery set for for use as an extra extension speaker in sets using dynamic speaker. Mounted in Walnut cabinets we supply, hits speaker makes a very high grade installation on Hotel and P. A. jobs. D.C. resistance about 1000 ohms. Overall diameter 8% inches. Depth 4%? Rigid steel frame with mounting holes in outer diameter.

Special 41/2" Dynamic



250 Ohm Field, Voice Coil 6/8", 2 Ohms Impedance 4E10555-List Price \$2.50.

YOUR PRICE. EACH

Ten for \$6.50 The Smallest Satisfactory Dy-nande Speaker Made. Three Peint 2 inch micarta-spider-web Low resistance Hum-Bucking

roice coil support. Low resistance Hun-Bucking coil. Handles 1½ watt signal with surprising tone quality for such a small reproducer. Extends 2½" back or baffle. Output Transformer not included. Instruction sheet explains how to add this speaker to existing circuits without use of transformer, as a "second" or "high frequency accentuating" speaker. Low resistance field coil permits substitution of field in place of first filter choke in maintity of receivers. majority of receivers

Balanced Armature Type Unit

A good quality aluminum diaphragm unit with a hardened steel magnet, constructed for rough hard usage. Suitable for use on 500, milligatt, autout.



3C2370-YOUR NET PRICE TEN FOR \$3,48

5 Inch Magnetic



Ten for \$8.85

Improved design. Midget type speaker. Sturdly built. Very fine tone qualities. Overall diameter 5½". Overall depth 2". Heavy pressed steel frame, cadmium plated. Heavy magnet with mounting lugs. Recommended as a replacement speaker in Midget A.C.; A.C.; D.C.; Battery Sets; for Hotel Room or other P.A. multi-unit installations; for extension speaker on any home or auto set. Handles about 1½ watts without blasting. D.C. resistance about 1000 ohms.

6 Inch Magnetic

Magnetic Speakers



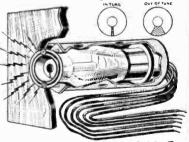
Your \$3.18

3F 0533 Cahinet with 8½" magnetic speaker securely mounted and fitted with 6' cord. Size over-111 12½" h igh, 10" wide, 5" deep. Your \$3.92

The Cabinets, Solid rigid construction. Walnut finished veneer front and sides. The attractive grille backed with gold bronze silk grille cloth is in contrasting darker tone. Glue block reinforcement prevents warping or breakage. Feit mounting feet on base.

The Speakers, High quality magnetic reproducers of latest improved design. Sturdily built, leavy pressed steel cadmium plated frames, Heavy magnets with inaproved balanced armature until insure long life and dependable performance. Extra flexible diaphrams give true reproduction.

Electron Ray **Visual Tuning Indicator**



Assembled and Wired for Quick Easy Installation in Any Receiver 3J2548—Tuning Indicator complete with cable attached, escutcheen, Instructions and diagram. Tube not included, List Price, \$1.50.

YOUR PRICE
Servicement take advantage of the thousands of dollars that are heing spent on advertising new Magic Eye Tuning! Sell and Install the Visual Tuning Indicator on the many modern radio sets not already equipped with visual tuning. Replace troublesome meter types of indicators. You can easily obtain from \$5.00 to \$10.00 for each installation. Superfor in performance to other types of tuning indicators. Entirely electrical in action he ne e eliminates possibilities of mechanical trouble. Extremely accurate and sensitive. Designed for sets using Automatte Volume Control but can be used on other sets by changing circuit to A.V.C. Only five connections are necessary. Diameter of Tuning Eye escutcheon 1½". Space required back of panel only 6". Mounts with only two screws. Compactness permits installation in any Table model or Console model receiver.

Tuning Eye Tubes

31396—Sylvania 6E5, for sets using 6V. tubes. 31335—Sylvania 2E5, for sets using 2.5V. tubes.

Page 37

PRICE

6 Inch De Luxe



YOUR PRICE \$155

Less Transformer New Design-Superior Performance

Superior Performance
Carries full output of any power
tube delivering up to 4000 milliwatts. Inductive Shunt Hum
Bucking device permits the use
of the field circuit as part of
the power pack filter system.
Voice coil diameter, %". Inapedance 4½ to 6 ohms. Resistance 4 ohms. Frield
power 6 watts, Overall diameter 6%". Depth 3%".
Shipping weight 4 il.

Shipping weight 4 lbs.

	L, E 3 3	Output	I funsion mer	
YOUR	PRICE			1 22
EACH			.,	シャ・ココ

ien	for			
Stock Number	Field Ohms	Stock Number	Field Ohms	
14E10500 14E10501	1000	14E10503	1800 tapped at 300	
14E10502	2500	14E10504	4 ohms for 6 volt	

With Universal Output Transformer
Taps on transformer provide for matching speaker
to any combination of output tubes. Order field
Resistance wanted by stock numbers.
YOUR PRICE

TEN FOR\$17.50					
Stock Number	Field Ohms	Stock Number	Field Ohms		
14E10500T 14E10501T	1000	14E10503T	1800 tapped at 300		
14E10502T	2500	14E10504T	4 ohms for 6 volt		

6 Inch Standard Handles 41/2 Watts Audio Output

Less Output Transformer 14E10565-2500 ohm 6 Watt YOUR PRICE

With Output Transformer

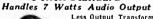
4E10565T-2500 o h m Watt Field. YOUR PRICE, EA. \$1.39

Specify type of tubes used and whether single or in push-pull.

in push-pull.

A low cost good quality full dynamic speaker, strong rugged construction, voice coil and splider are aligned before cementing the cone in place, thereby assuring freedom from chatter usually found in competitively priced speakers. Voice coil diameter %". Impedance 4½ to 6 ohms. D.C. resistance 4 ohms. Overall diameter 6½", 3¾" depth. Weight packed, 3¾ lbs.

8 Inch Standard



Less Output Transformer 14E t 0570—2500 ohm 6 Watt Field. YOUR PRICE EACH \$1.95

With Universal Output Transformer 14E10570T-2500 ohm 6 Watt Field. YOUR PRICE EACH \$2.25

Taps on transformer provide for matching speaker to any combination of output tubes.

This 8½ inch Standard quality Dynamic makes a suitable replacement for the majority of five and six tube, single or push-pull, midget radio sets. The voice coil impedance is 4½ to 6 ohms. Resistance 4 ohms, diameter of voice coil 7½". Speaker is 4½" deep. Shipping weight 5½ lbs. Special size field coils of less than 3000 ohms can be supplied on order for 50c each extra.

Universal 500 Ohm Line Matching Transformer



3E4140--YOUR PRICE 74¢ A flexible means of coupling I to 6 speakers to a 500 ohm Amolifier Output Circuit. Tapped secondary permits matching ratios within limits of 1 to 6 sneakers, of 6 ohm impedance transformer is the correspondent of the contractions of the contract

to a 500 ohm line. This transformer is the correct size for all speakers in this catalog baying an impedance of approximately 6 ohms and voice coll capacity of 6 watts or less. The Chart gives the taps which may be used to match 3, 6, 9 and 12 ohm impedance circuits to a 500 ohm line, instructions for connecting included with each transformer. See chart on page 104.

81/2 Inch De Luxe



YOUR PRICE FACH

Less Transformer
Brilliant Highs—
Rich Bass Tones:
A splendid overall performance characterizes these speakers. For use with single or push-pull power tubes delivering up to 6000 milliwatts audio input. New Inductive Shunt Hum Bucking device eliminates effecting device either system of o. Voice coil diameter %". Impedance hms. Resistance 4.2 ohms. Field power Overall diameter 832". Depth 434", weight 536 lbs. Radio. V Shipping weight 51/2 lbs.

		Output	Transform	ner
	PRICE			\$2.35
EACH			\$22.	
Stock		Field 1 s	Stock I	Field

T	en for	\$2	2.30
Stock	Field	Stock	Field
Number	Ohms	Number	Ohms
14E10520	1000	14E10523	1800 tapped
14E10521	2000		at 300
14E10522	2500	14E10524	4 ohms for 6 volt

With Universal Output Transformer Taps on Transformer provide for matching speaker to any combination of output tubes. Order field resistance wanted by stock number.

EACH	Ten for	
Stock	Field Stock Ohms Number	Field Ohms

Number	Ohms	Number	Ohms
14E10520T 14E10521T	1000	14E10523T	1800 tapped at 300
14E10522T	2500	14E10524T	4 ohms for 6 volt
	_		

NOTE: Field Coils of resistance other than stock sizes quoted can be supplied for 50c extra.

A.C. Dynamic Speakers Field Power from A.C.



Line using an 80 tube. Inductive Line using an 80 tube. Inductive Shunt Hum Bucking device eliminates hum of old style A.C. Dynamic Speakers. 2500 ohm field. Voice Coil diameter "\$\frac{7}{2}"\]. The pedance 5 to 7 ohms. Resistance 4.2 ohms. Handles 6 0 0 0 milliwatts audio power. Field 6 0 0 0 milliwatts audio power. Field rectifier operates on 115 volt, 60 cycle A.C. Overall Ditype 80 tube not in-154 lbs.

ameter 81/2". Depth 43/4". T cluded. Shipping weight 83/4

	81/2" DeLuxe A.C. Model
	575—Less Output Transformer
PRICE	S5.40
	\$5.40

14F10575T-With Universal Output Trans-YOUR PRICE \$5.68

11" De Luxe A.C. Model

11" overall diameter, 6" depth. Shipping weight 10 lbs. Electrical specifications same as above but responds to deeper touse better than 8½" Model. 14E10577—Less Output Transformer YOUR

PRICE \$6.45

14F10577T-With Universal Output Trans-

11 Inch De Luxe

For 6 Watt Output With 8 Watts in Field



PRICE \$295

Less Transformer

Less Transformer
The 11 Inch DeLuxe
Speaker is designed for
superior tone quality,
great volume, portability
and high efficiency. It
is particularly suited to
ballrooms and small theater installations where a
vell rounded tone is necessary to accommodate
the acoustics of undraped
walls an d constantly
changing aborption factons. Extra strong cone
edge by the heavy steel frame and at the anex
by a special resiliant spider. Inductive Shunt
Hum Bucking device is an integral part of this
speaker. Voice Coil diameter 7.º." Resistance 4.5
ohms. Inductive Shunt
tam special resiliant spider. Inductive Shunt
tam special resiliant spider. Inductive Shunt
tam Bucking device is an integral part of this
speaker. Voice Coil diameter 7.º." Resistance 4.5
ohms. Full 6 watt
carrying capacity. Overall diameter 11". Depth
51%." Shipping Weight 64. Ibs. A portable
housing or large baffle should be employed with
this speaker to properly reproduce low notes.

Less Output Transformer

OUR	PRICE	62 05
ACH	PRICE	34.75

Ten for.....\$28.00

Stock	Field	Stock	Field
Number	Ohms	Number	Ohms
14E10540	1000	14E105 3	2500
14E10541	1500	14E10544	3000
14E10542	2000	14E10545	6 V. 4.

With Universal Output Transformer Taps on transformer provide for matching speaker

		٠.	ortput	tubes.	
	PRICE				62.40
ACH					\$3.40

Ten for.....\$32.50

Stock	Field	Stock	Field
Number	Oluns	Number	Ohms
114E10540T	1000	114E10543T	2500
114E10541T	1500	114E10544T	3000
114E10542T	2000	114E10545T	6 V. 4.

NOTE: Special values of field resistance less than 3000 ohms other than stock sizes can be supplied for 75c extra.

SPECIAL NOTE: Universal 500 Ohm Line to voice coil matching transformer listed below for these speakers.



New 5 Inch Speaker YOUR PRICE \$1.32 Ten for

\$13.80 With Self-Adjusting-Ratio Coupling Transformer. 4E10560-2500 ohm field.

4E10561-3000 ohm field, 3 watts.

4E 10562—6 volt. 4 olms, 9 watts.
For use with tubes rated to deliver less than 3000 milliwatts output. The correct size for many of the new "Cigar Box" sets and Auto Radios. New Style construction assuring freedom from chattering. The Self-Adjusting-Ratio Output Transformer employs a special damping design which makes impedance matching non-critical. The following single output tubes operate properly with this transformer; 38, 41, 42, 43, 45, 47, 2A5, 71A and 89 triode. Volce coil resistance, 3 ohms, Impedance 3.5 to 4 ohms. Overall diameter 5", depth 2½". Shipping weight 245 lbs. Overall diameter weight 214 lbs.

FIELD EXCITER UNIT

For Excitation of D. C. Speaker Field from

110 Volt 50-60 Cycle A. C. Line

Rectifies 110 volt, 50-60 cycle A. C. Line

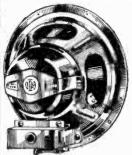
Rectifies 110 volt, 50-60 cycle A. C. to 110 volt D. C.

Supplies 15 watts of filtered direct current for field exeltation
of any 110 volt D. C. speaker having field resistance
tween 1000 and 3000 ohms. Uses type '80 rectifier tube,
tween 1000 and 3000 ohms. Uses type '80 rectifier tube,
socket. Mounted on cadmium plated steel base. Size
overall, 9" long, 34" wide, 414" high, 6 foot cord and
plug for A. C. line connection. Binding posts for speaker
connection. connection.

3F4000-Less Tube.



UTAH Dynamic Speakers



Finest Quality for radio receivers or public address installations. When speaker is ordered with outnut transformer be sure to specify type of output tubes used and how they are connected.

Have extra large field pots which bring out the utmost in the diaphragms and provides marvelous indelity of tone at high as well as low volume. Cadmium finished steel frames. Moulded ribbed diaphragms of special impregnated composition. Pdf. 9 watts. Voice coil diam. 1". Imp., 6 of the coil of the coil diam. 1". Imp., 6 of the coil di

Biameter 8". Overall Depth 476".

Less Output Transformer

4E 10250 - 2500 ohm field | List Price, \$5.65 4E 10251 - 1500 ohm field | PRICE \$3.32 With Output Transformer

4E10250T—2500 ohm field YOUR 4E10251T—1500 ohm field PRICE \$3.82

10 Inch Speaker Diameter 10". Overall Depth 4%".

Less Output Transformer

With Output Transformer 4E 10253T - 2500 ohm field 4E 10255T - 1500 ohm field 4E 10255T - 1000 ohm field 4E 10255T - 1000 ohm field

12 Inch Speaker
'. Overall Depth 6".

Diameter 12". Less Output Transformer

Less Uutput Transformer
List Price, \$9.00
4E | 0256-2500 ohm field |
4E | 0258-1000 ohm field |
4E | 0258-1000 ohm field |
With Output Transformer
4E | 02561-2500 ohm field |
4E | 025771-1500 ohm field |
4E | 025871-1500 ohm field |
4E | 025871-1500 ohm field |
4E | 025871-1000 ohm field |

UTAH 12" STADIUM SPEAKER



Less Ouput Transformer Especially suitable for DeLuxe Console and Public Address and Public Address in stallations. Handles 15 to 20 watts input without overloading, with 10 to 12 watts in the field. Cadmium finished steel frame. Improved moulded diaphragm. Large size universal trans-

\$6.61

size universal transformer, tapped to match any output tube combination. Diameter 12" overall height 12½", overall depth 6½". Field Ites, 2500 ohms, Pdf., 12 watts, Voice coll diam. 1½". Imp., 16 ohms. Pwr. 12 watts, Res., .8 ohm. For D.C. Field Power.

With Universal Output Transformer

| 14E| 0259-2500 field | List Price, | 14E| 0260-1500 field | YOUR | 14E| 0261-1000 field | PRICE | PRICE \$7.35

With Universal 500 ohm Line to Voice Coil Transformer (Permits use of 1 to 6 speakers on 500 ohm line). 14E10259T—2500 field YOUR 14E10261T—1000 field PRICE \$7.35

\$661

Abbreviations Used

Pdf.: Power dissipation of field.
Pwr.: Power handling capacity of voice coil.
imp.: Voice coil impedance at 400 cycles.
Res.: Voice coil resistance at 72° Fahr.
Diam.: Diameter of Voice Coil.

Radolek Chromatic "P. M." Speakers

For Battery Sets, Extensions and Public Address Installations

5 Inch Model YOUR PRICE..

6½ Inch 184.50. \$1.85. YOUR PRICE.....

8 Inch Model

Specifications Electrical and Physical

List. \$5.00. YOUR PRICE..... \$212

New Advanced Design

Improved Construcion

True high fidelity dynamic tone quality. Uses no field current. No output transformers required. Handles full volume without distortion. For improving battery radios, use in sound trucks or as extra speakers on any radio or P.A. System which does not provide field current.

Chrome steel permanent magnets. Heavy laminated silicon steel armature. Phosphor-bronze flexible torque supports. No armature pivots to clatter or stick. 5 and 6 inch sizes will handle up to 2 watts, 8 inch size about 3½ watts, 9 lepth of 5" speaker, 1½"; 6½" speaker, 2¾"; 8" speaker, 3¾". Specify Size and Impedance Wanted by Stock Number

5 Inch Speakers

61/2 Inch Speakers

8 Inch Speakers

4J10315—For High Imped, Tubes.
4J10316—For Med, Imped, Tubes.
4J10316—For Med, Imped, Tubes.
4J10317—For Low Imped, Tubes.
4J10317—For Low Imped, Tubes.
4J10320—For S00 ohm P.A. Line.
4J10322—For Low Imped, Tubes.
4J10322—For 1000 ohm P.A. Line.
4J10323—For 1000 ohm P.A. Line.
4J10323—For Med, Imped, Tubes.
4J10324—For Med, Imped, Tubes.
4J10323—For High Imped, Tubes.
4J10323—For High Imped, Tubes.
4J10323—For High Imped, Tubes.
4J10323—For High Imped, Tubes.
4J10324—For Med, Imped, Tubes.
4J10325—For Low Imped, Tubes.
4J10326—For Med, Imped, Tubes.
4J10325—For Low Imped, Tubes.
4J

For correct selection of "P. M." speakers see listing of tubes according to High, Low, or Medium Impedances in center of page.

High Impedance Tubes

Types 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 46, 47, 79, 59, 89, 2A5, 6A4, LA, 6A6 in push-pull and single types 38, 49, 12A7. For any type of Output tubes in single or push-pull having a total primary load impedance of 12,000 to 18,000 ohms.

Medium Impedance Tubes

Types 43, 45, 71A in nush-pull and single types 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 43, 46, 47, 49, 59, 89, 2a5, 6A4, 6A6, 12A5, 1A. GA, PZ. For any type of output tube in single or push-pull having a total primary load impedance of 7000 to 12,000 ohms.

Low Impedance Tubes

Types 48, 2A3 in push-pull and single types 43, 45, 59, 71A, 12A5. For any type of tube in single or push-pull having a total primary load impedance of 3000 to 6000 ohms.



UTAH 5" and 6"

Dynamic Speakers

Excellent for replacement speakers in radios or with small P.A. amplifiers. If transformer is desired specify output tubes used and how they are connected.

5 Inch Speaker

Dlameter 5", Overall Depth 2\%", Pdf., 5 watts. Voice coil dlam. \%", Imp., 5 ohms. Pwr. 3 watts. Res. 2.7 ohms.

Less Output Transformer

Less Output Transformer \$2.90.

4E | 0262 – 3000 ohm field | VOUR \$1.71

4E | 0263 – 2500 ohm field | PRICE \$1.71

With Output Transformer 4E | 0262T – 3000 ohm field | VOUR \$4.000 ohm field | PRICE \$2.20 List Price, \$2.90.

6 Inch Speaker
Diameter 6". Overall Depth 3". Pdf., 7
Voice coil diam. %", Imp., 3.8 ohms. I
watts. Hes. 3.1 ohms.

Less Output Transformer

Less Output Transformer

4E | 0275-2500 ohm field | Your \$4.40.
4E | 0276-1500 ohm field | Price \$4.40.

With Output Transformer

4E | 0275T-2500 ohm field | Your \$2.59

4E | 0276T-1500 ohm field | Your \$3.09

UTAH ORTHOVOX "P. M." SPEAKERS

For Battery Receivers or for use as extra speakers on any Radio or P.A. System which does not provide field current.
Uses no field current and does not require out put transformers. Derequire output transformers. De-livers good volume without distortion. True dynamic tone quality. Chrome steel permanent magnets. Heavy laminated silicon dynamic tone

landinated silicon steel armature. 5" and 6" sizes will handle up to 2 watts, 8" size about 3½ watts, 12" size about 6 watts.

5 Inch Speakers
4]10290—For High Impedance Tubes.
4]10291—For Medium Impedance Tubes.
4]10292—For Low Impedance Tubes.
List Price, \$4.00.

6 Inch Speakers

4JI 0280—For High Impedance Tubes. 4JI 0281—For Medium Impedance Tubes. 4JI 0270—For Low Impedance Tubes. 4JI 0279—For 500 ohm P.A. Line. 4JI 0272—For 1000 ohm P.A. Line. List 1'rice, \$4.50. \$2.06 YOUR PRICE

8 Inch Speakers

4J10283—For High Impedance Tubes. 4J10284—For Medium Impedance Tubes. 4J10285—For Low Impedance Tubes. 4J10282—For 500 ohm P.A. Line. 4J10273—For 1000 ohm P.A. Line. List Price. \$5.00 YOUR PRICE

12 Inch Speakers

4J10286—For High Impedance Tubes, 4J10287—For Medium Impedance Tubes, 4J10288—For Low Impedance Tubes, 4J10289—For 500 ohm P.A. Line, 4J10274—For 1000 ohm P.A. Line, List Price, \$7.50.

YOUR PRICE\$3.53

Replacement Coils for Utah Speakers are listed on page 34.

Exact Duplicate Repair Parts For Fada and Freed-Eisemann Receivers



FADA Tuning Bracket Casting

For all of the older models of Fada receivers. Same as original part. Will exactly fit chassis. Part number stamped on casting. Shpg. wt. 1 lb.

Part No. 858MP Part No. 872MP YOUR PRICE, EACH

75¢

FADA Dial Scale and Drum

Same as original Fada Part num-ber 871MP. For all early models, Seale riveted to drum. Shog, wt. 3 7 005-Part No. 871MP.

\$1.10 PRICE



FADA Tuning Drum

Same as original number 1716X. For all early models 4½" diameter, ½" track. Shpg, wt. 1 lb. 317009-

YOUR PRICE 85¢

FADA Friction Drive Shaft

For use with drum dial number 871MP illustrated at left. Supplied complete with all washers, spring, etc. Assembled ready for use. Shop, wt. 1 lb, 317011—24¼" long. Part No. 1724X 317012—24½" long. Part No. 1724R 317013—23½" long. Part No. 1724B YOUR PRICE,

50¢

FREED-EISEMANN Volume and Tuning Dial Castings





Exactly duplicates the original Freed-Eiseman Part Numbers 24-45 (tuning dial) and 24-46 (volume control) castings. Will exactly fit chassis, no chaines are necessary to install. Made of cast fron, finished in gill. Will not break or crack. Numbers 24-45 (tuning control) castings. Will changes are necessary iron, finished in gilt. Shpg. wt. 2 lbs. each.

3J7014-Volume Control Casting. Part YOUR PRICE 85¢ 3J7015-Tuning Dial Castling, Part No.

YOUR PRICE 90c

Dial Drive Assembly



For R.C.A. Victor Receiver For R.C.A. Victor Receiver
IR.C.A. part 2999. Complete tuning dial drive shaft with mounting screws, lock washers and
friction rubber. Eract replacement for R.C.A. Victor models:
R.T.A. R.-91D.C. R.-43. R-11. R.
T.D.C., R.-71.W., R-10. RE-18.
RAE-26. RE-16A, R-10D.C., R-7.
R-9, R-4, R-6 and R-8.
3F6821—List. 40c.
246

24¢ YOUR PRICE ...



Head Phone Cords

Unit Headphenes For Double connecting two headphone units to output of o receiver or other apparatus. Fine quality ble mercerized braid covering. Light, 5 ft.

3C23O5—With pin tips on both ends.
3C23O6—With spade tips on phone unit end, pin tips on other end.

Two Conductor Cords

For Speakers or Single Unit Headphones Finest quality glossy mercerized covering, Lgth. 5 ft. 3C23O8-Pin tips one end, EACH spade tips other.
3C23O7-Pin tips both ends. 8¢

Ten for 76c

Replacement Coils for **Utah Orthovox Speakers**



Exactly duplicates the physical and electrical specifica-tions of the original magnetic coils used in the 5°, 6°, 8° and 12° Utah Orthovox Speakers. Better insulation and higher safety factor than the originals. All coils are need. Where speaker is used

upplled supplied center tapped. Where speaker is used with a single output tube disregard center tap.

For High Impedance Tubes
3J7982—Types 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 46, 47, 79, 59, 89, 245, 644, LA, 6A6 in push-pull and single types 38, 49, 12A7. For any type of Output tubes in single or push-pull having a total primary load impedance of 12,000 to 18,000 ohms.

For Medium Impedance Tubes
3J7983—Types 43, 45, 71A in push-pull and single types. 10, 12A, 18, 19, 20, 31, 33, 38, 41, 42, 43, 46, 47, 49, 59, 89, 2A5, 6A4, 6A6, 12A5, LA, GA, PZ. For any type of output tube in single or push-pull having a total primary load impedance of 7000 to 12,000 ohms.

For Low Impedance Tubes
3J7984—Types 48, 2A3 in push-pull and single
types 43, 45, 59, 71A, 12A5. For any type of
tube in single or push-pull having a total primary
load impedance of 3000 to 6000 ohms.
List Price, 75c.

For Utah Orthovox Speakers

Used with P.A. Amplifier
3J7985-500 ohm impedance coll.
3J7986-1000 ohm impedance coll.
List Price, 75c. YOUR PRICE 44¢

Replacement Coils for **Best Kinematic Speakers**



Supplied center tapped. When speaker is used with a single output tube disregard center tap.

NOTE—See above listing for classifica-tion of output tubes according to their



Thoroughly reliable high quality full size headphones. Responsive to weak signals. Adjustable woren web covered headbands. Complete with cords. Aluminum shells, practically unbreakable bakelite caps that are more sanitary and will not dirty the ears even in warm weather. Very light and comfortable to wear. 372355—2000 ohms
YOUR PRICE. \$1.22

\$1.22

FROST FONES



Frost Fones satisfy the exacting demands of those wishing to obtain extremely sensitive instruments. Light in weight, comfortable to wear and easily adjustable. All materials used are of the very highest quality, and these phoness are made by careful scientific workmen. For testing radio parts or complete sets—for linits up condensers—for peaking intermediate transformers or any similar uses these any similar uses these phones may be depended upon to give perfect satisfaction.

3F2357—Frost No. 174 2000 ohm headset. Alum YOUR PRICE \$1.48 num shell. List, \$3.08. 3F2358 Frost No. 175, 3000 ohm headset shell \$1.65 List. \$3.50. YOUR PRICE

Genuine Nathaniel Baldwin **Phones**

Type C 3D2360— ur Very Speelal Price Set

\$2.89 Ten Pairs for

Ten Pairs for \$27.50
World famous for many years because of their extreme sensitivity and great efficiency. Balanced armature units accurately matched and carefully tested. Used extensively by U. S. Signal Corps. Navy, and by professional operators. Moulded bakelite cases enclose units. While very sensitive they are very rugged and will stand up under hard usage. Complete with adjustable head-band and connecting cord. Fitted with MICA diaphrams.

Genuine Baldwin Units

New Stock—Guaranteed Perfect New Stock—Cutaranteed Perject
Wonderful bargains at our prices. All are of the
highly efficient Baidwin balanced armature type. Very
sensitive and carry great volume without distortion.
Very rugged. Excellent for battery type radio receivers and for use on Public Address horn speakers. Maximum undistorted power limit, 500 M.W.

Baldwin Concert

Generally known as the best. Each unit hand made, carefully adjusted and tested. Precision made

at every step. Widely imitated, but not excelled for its faithful, consistent reproduction. Threaded to fit all standard speakers and horns. Concentric corrugated diaphragms to handle strong signals without blasting. 5-foot cord with tips. Shipping wt., 2 lbs.

3F2362-Baldwin Concert Unit. Not Shielded. NET

\$1.95

Baldwin Rival



Ideal for all console and morning glory type horns. Handles enormous volume with rare faithfulness of reproduction. Shipping wt., 1 lb.

3F2364—Without Shielda 75¢

Baldwin Lyric

An especially desirable unit for outdoor use. Fully encased. No parts exposed. Very sensitive, yet sturdy and strong. Concentric corrugated diaphrams to handle strong signals without blasting. Slightly larger than the Concert or Rival.



3C2365-List, \$6.00 YOUR SPECIAL PRICE

Brush Crystal Headphones



Plezo electric head phones for use where high fidelity, high impedance, non-magnetic head phones are required. Frequency response 60 to 10,000 c.p.s. Impedance 50,000 ohms (phones are sponse 60 to 10,000 c.p.s. Impedance 50,000 ohms (phones are sponse for the property of the program of the program of the program monitoring, measurement work and other headphone usage. Brown Octagonal bakelite cases. Small, light-weight 6 oz. headphones. 5 ft. ords. Adjustable head band.

3J2372—List Price, \$9.00.

\$5.29

3J2373—Single phone with head band. List Price, \$5.00. YOUR PRICE



Ear Phone Cushions 3C2371-YOUR PRICE 22¢

TEN PAIR FOR \$1.95
Made of soft sponge rubber. Very light and comfortable. Ease pressure from head set yet preserve best hearing. Fit all phones.

Professional Type INSTRUMENT CASES

High quality walnut or oak cases. Natural finish, hand rubbed and lacquered, designed for en as to m built test entirely appearance. They give to your equipment that horofesslonal laboratory appearance. Exceptionally strong and sturdy. Rugged but graceful, Interlocking cornerpoints, Rugged but graceful, interlocking cornerpoints, Rugged but graceful, and the commodate standard sizes of "(" batteries and to allow ample clearance below meter study and for resistors, switches, etc.

Standard Model—Less Cover



Oak or Walnut 4E10441 — For Panel 434"x7". Inside lize: 4" wide, 614" long, 3½" deep.

PRICE .. \$1.50

4E10442 — For Panel 5½"x8½". Inside size: 43," wide, 7¾" long, 4½" deep.

YOUR PRICE,

\$1.75

Portable Model-With Cover



Oak or Walnut Cover allows 11/2" inside clearance above panel. Panel fits flush inside lower section. Cover is detachable. 4E10443 — For Panel 4% "x7". Inside size: 4% " wide, 7" long, 3½" deep. n I Î B

PRICE. \$1.90 4E 10444 - For Panel 51/2"x812". In-

1'anel 5½"x8½". Inside size; 5½" wide, 8½" long, 4½" deep. 8½" 10 VOLE PRICE, \$2.25 Each ..

Portable Case With Cover Imitation Leather



Covered Body built of thin but very strong wood. Covered outside and top rim with finest quality black leatherquality black leather-ette. Attractively grained. This case will stand years of hard service. Takes any 5½x8½" panel. Leather handle. De-tachable cover with cover with claso lock. 6½ inches. 4E 10440— Price, \$3.50

Price, \$3.50. YOUR PRICE

Black Bakelite Test Panels

For Instrument Cases

Polished Bakelite to fit Professional Type Instrument Cases. Supplied square. Corners must be filed round to fit exactly on the standard model

eases.
3F7487—¼"x4¾"x7 "
3F7488—&"x4¾"x7 "
3F7489—&"x5½"xx½"
3F7490—&"x5½"xx½"xx½"
3F7422—¼"x1 "x14" Net Each Net Each Net Each Net Each 52 c 59 c 67 c 79 c 89 c

Improved Analyzer Instrument Case



professional type carrying case for your portable instruments. Takes standard 7" x 14" x 14" 7" x 14" x 14" x 14" bakelite panel listed above. Partition for

\$245

Partitlon for panel panel panel panel support test leads, etc. Inside dimensions 8½"x14"x3½" deep. Sliphinged cover has 1½" inside elearance above panel. Metal handle, suitcase latch type catch. Lacquer finish without stain leaves the rich walnut grain with its natural appearance. This handy size case enhances the appearance of your custom built test equipment. Impress your customers by the professional appearance of your instruments.

Radolek-Triplett

0-1 MA Foundation Meters

31/2 Inch 3F8389-

51/4 Inch 3F8391-

\$667

Black Bakelite Cases d'Arsonval Movement

d'Arsonval Movement

Accuracy 2%
Dimensions: 3½2" meter;
Plange 3½"; body Diam.
23%"; depth back of panel
1½". Dimensions: 5½4" meter; Flange 5½"; body Diam., 4½"; depth back of
panel 1½". White enamel
dial with clear black figures.
Knife Edge Pointer: Assists
in the congested portions of
the obmic scale in determining the exact resistance value.
A front zero adjuster assures
a constant zero return of
pointer. Dust-proof construction.
steel magnet and sapplire jewelle

Tungsten steel magnet and sapphire jewelled bearings,

Designed particularly for use with external resistors and shunts to build up a multi-range D.C. voltmeter and a dual scale ohimmeter employing the wiring diagram Illustrated below. Meter has 50 ohms internal resistance and requires 1 milliampere for full scale de-

and requires in minimiper for for scale de-flection. Resistors for voltage ranges are cal-culated at 1000 olms per volt allowing the 50 olms of internal resistance as sufficient for 50 milli-volt. The meter may be made to read current by use of standard shunts for

Continental Carbon Resistor Kit

For use with the above Radolek Triplett Foundation Meter for obtaining all the ranges specified. Included are: 1-4000 ohm, 1-10,000 ohm, 1-40,500 ohm, 1-90,000 ohm and 1-400,000 ohm fixed resisors; 1-50 ohm semi-variable resistor and 1-1000 ohm Yaxley type C Potenticonter.

Carbon Kit-For Volt-Ohm-Milliammeter 3F8393—Guaranteed Accuracy 5% \$1.

Precision Kit-For Volt-Ohm-Milliammeter 394—Guaranteed Accuracy 2% Wound Precision Resistors. YOUR PRICE \$4.29 3F8394-Guaranteed

Circuit Diagram for Obtaining All the Meter Ranges Specified Above.

Radolek-Beede 0-1 MA Foundation Meter



Type 4½ Inch 3F9598 YOUR PRICE

Fan

\$441

Dial Scale Markings on All Meters OHMS

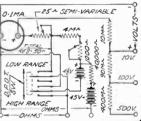
2005 2005 2006 2006

RADOLEK

Black Bakelite Case d'Arsonval Movement Accuracy 2%

Accuracy 2%
Dimensions: Body i e n g th
4½", height 3¾". Round
projection on back of meter
extends 1¾" and mounts in
a 2¾" round hole. Actual
scale length 3¾". Knife-Edge
Pointer. Sapphiro iewel bearings. Laterally wound colls.
Non-corrosive fatigueless ings. Laterally wound colls.
Non-corrosive fatty ueles.
Non-corrosive fatty ueles.
Sorrings. White enameled dial
face with clear black flucus.
A front zero adjuster assures
a constant zero return of
pointer. Dust proof construcsame as in the illustration at left.

50 ohm meter resistance or by use of hand calibrated manganin wire shunts. Special Ohm Scale: Tho low ohm scale assumes a current of 1 M.A. flowing through the meter and full scale deflection of the pointer. Shunting the meter with an unknown resistance causes a lower scale reading. (30 ohms appears at midscale.) The high ohm scale is the standard type requiring a 4450 ohm resistance in series with a 4½ volt battery. This scale indicates 4500 ohms at midscale and 100,000 ohms at the highest ohm marking.



Bakelite Bar Knobs

Tapered Pointer Type for Test Instruments



Replace old style round knobs. Have standard ¼" hole with set serew. White pin line indicator. Furnished in black or brown bakelite.

3E6815-114" Black. 3E6816-114" Brown. 3E6817-214" Black. 3E6818-214" Brown.

RICE, EACH., 9¢ VALUE 10 for 82c

Your Price, Each .. 10¢ 10 for 90c

Circuit Opening Twin Tip Jacks



Circuit opens when both pin tips are in place. Closed while either one alone is in position. Used in Selective Analyzers for opening circuits for current measurements between elements without opening circuit.

Mounts above or helow pane with standard \$\frac{5}{2}\$ erew. \$\frac{1}{2}\$" holes required with \$\frac{7}{6}\$" centers under panels less than \$\frac{7}{6}\$" thick.

3E6419 15¢ YOUR PRICE, Each

Bakelite Vernier Dial



No gears to strip. No back-tash, Friction drive-takes up its own wear. Ratio 14 to 1, 3 inch translucent scale marked 100-0-100 may be illu-minated from the rear. Fits ¼ inch shaft. Sup-plied in black bakelite.

3J6825-40¢

Full Wave

Copper Oxide Rectifier



drawing less than 5 struments. Insulated plainly marked. Cross section & square, Mountaing hole centers & 3.2.35

5 Militampere Capacity

Type B 20 Milliampere Capacity Size 78" round discs, 34" long.



Medium miniature size copper oxide rectifier for use in A. C. circuits of less than 5000 cycles requency and rectifying not over 20 milliamperes D. C. May be used for external connection to D. C. meters employed in special capacity measuring circuits. Has 6-32

3D4856 YOUR PRICE \$1.88

Type C 40 Milliampere Capacity round disks, overall size 11/8"xi" Size 3/4"



Size 3/4" round disks, overall size 11/6"x1"

Copper oxide rectifier for A.C. circuits of less than 5000 cycles frequency and not to exceed 40 milliamperes D.C. current. Excellent for rectification of 110-115 volt A.C. current for field excitation of dynamic speakers with 2550 to 3000 ohm field.

Not recommended on circuits exceeding 600 volts. May be substituted for electrolytic rectifiers in Willard, Exide or Philico "B Eliminators" within 40 mill. limits. Only servicemen familiar with copper oxide rectifier principles should attempt this replacement.

3D4867-YOUR PRICE \$1.75

Page 33

Silver Plated Etched Meter Dial Scales

For Use with 1 Milliampere Movement Meters

Finely etched clear black numerals and scales on white silver background, and durability. Exactly replace scales on meters for which they are specified, Superior in appearance



Scale Num. 1. For Use on 1 Milliampere Movement Meters

ment Meters
Upper scale calibrated
in obus for use with
4½ volt battery. 50
divisions marked 50,
250, and 1000 for D.C.
Volt, and Milliamp. Ranges. 39¢

PRICE Model 301. Type 88. 3F8380—For Weston Model 301. 3F8381—For Jewell Type 88. 3F8431—For Jewell Type 54, 199, 117, 133, 154. 3F8382—For Triplett Model 321.

Diagram Number 1A.



Multi-Range D.C. Volt-Milliammeter-ohmmeter meter-ohnmeter
This shows a simple
and popular use of
dial to make up
Mutti-Range metter
reading at full scale
deletetion; 10, 50,
250 and 1000 volts
with resistance at
1000 ohms per volt;
5, 25 and 100 mitliam peres using
tapped shunt; and an
ohnmeter reading up

olumineter reading up

syntax sinat; and an onimneter reading up to 100,000 o hm s. Connections for this meter are made by plugging into insulated tip jacks.

The following materials in addition to 1 milliampere meter are required to make up this outfit: Meter Dial No. 1; 145 volt battery; 1 each precision resistor in ohms, 1450, 10,000, 40,000, 200,000, 750,000; semi-variable resistor to bring meter resistance up to 50 ohms; Van series shunt resistor, S. P. S. T. Switch; 11 pin jacks, panel, cabinet.

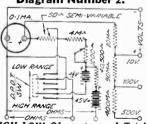
High—Low Ohm—Volt Scale Scale Num. 2.



Scale Num, 2.
Upper scale is for 4½
volt Ohmmeter. Middle scale indicates ohms
when unknown resistance is shunted across
50 ohm movement carrying 1 M.A. Lower
scale has 50 uniform
divisions marked, 10,
100, and 500 volts.
Use Manganin wire or
a semi-variable resis-

a semi-variable resis-tor in series with me-than 50 ohms resistance. YOUR PRICE
3F8388—For Weston Model 301.
3F8432—For Jewell Model 38.
3F8434—For Jewell Model 54, 199, 117, 113, 154.
3F8434—For Triplett 3½" 321.
3F8435"—For Triplett 5½" 521.
'Same face regularly supplied on Triplett meters. YOUR PRICE

Diagram Number 2.



HIGH-LOW Ohmmeter and Triple
Range D. C. Voltmeter
A high range ohmmeter reading to 100,000 ohms and 1 megohm and a low range ohmmeter reading to 500 ohms, combined with a 3 range voltmeter reading 10, 100 and 500 volts. A switch provides for either low or high ohmse readings. Easy to assemble and calibrate regardless of type 0-1 milliampere meter employed. The following material, in addition to a 1 mil. meter, are required to construct this multi-range meter. Meter Dial No. 2; DPDT Yaxley jack switch; a 50 ohm Type C Yaxley potentiometer; 4½ and 45 volt batterles; 25 ohm semi-variable resistor or sufficient manganin wire to make R + Meter resistance equal 500 ohms; 4000, 10,000, 10,500, 90,000, and 400,000 ohm Electrad 1-watt precision resistors; 6 insulated pin jacks; panel; cabinet, 35F8390—All of the above materials supplied in a kit with hook-up wire, but without meter, meter dial scale (make your selection of scale required from above listing), panel or case.

Scale Num. 4.



For use with Weston Universal A.C.-D.C. Meter or equivalent Mil, meters equip with copper oxide r equipped tiflers. Offset s c a l e permits reading A.C. values on D.C. calibrated Range. 50 scale divisions marked 50, 250, 1000, volts or Milliamperes according Top Scale in ohms

to external circuit employed. Top S for 4½ Volt battery.
3F8396 For Weston Model 301.
3F8397—For Jewell Model 88.
3F8397—For Triplett Model 321. 39¢ YOUR PRICE, EACH

Continental Carbon Semi-Precision Resistors



Popular sizes of re-sistors for use as meter range multi-pliers, 1 watt, 5% tolerance. Average tolerance. Average variations elose to 2%. The resistors marked with allow for the 50 ohn internal resistance of the meter. When used with 0.5 Mill meters, divide voit range by 2.

West, 301; Je 88,

l'attern

Jewell

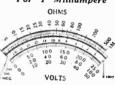
Stock Num.	Resist. Ohms	at 1 M. A.	Stock Num.	Resist, Ohms	Nolts at 1 M. A.
3F9358 3F9359 3F9360 3F9361 3F9362	1450 2950 3500 4450 4950	*1.5 *3 3.5 *4.5 *5	3F9376 3F9377 3F9378 3F9379 3F9380	50,000 60,000 75,000 85,000 90,000	50 60 75 85 90
3F9363 3F9364 3F9365 3F9366 3F9367 3F9368 3F9369	5000 5500 5950 7450 8500 8950 9950	5.5 *6 *7.5 8.5 *9	3F9381 3F9382 3F9383 3F9384 3F9385 3F9386 3F9387	100,000 150,000 200,000 250,000 300,000 450,000 500,000	100 150 200 250 300 450 500
3F9370 3F9371 3F9372 3F9373 3F9374 3F9375	10,000 13,500 15,000 25,000 30,000 40,500	10 13.5 15 25 30 40.5	3F9388 3F9389 3F9390 3F9391 3F9392	600,000 750,000 800,000 900,000 1 Meg.	600 750 800 900 1000

List 1'rice, 30c. YOUR PRICE, EACH 18¢

See pages 31 and 53 for listings of Wirewound Precision Resistors.

Continental

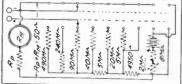
Milliammeter Modernizing Kit For 1 Milliampere Movements Build a Volt-Ohmmeter using any Weston Mod-



131 arterns 88, 54, 444, 448, 469, 199, 133, 133A, 210, 538, 137, 137A, 574 or Triplett Model 321 meters remeters reampere for full scale deflection. The simplified dual scale multi-range circuit is below. Ranges at 1000 ohms per volt—500, 250, 100, 50, 25, 10, and 5 volts; two ohm scales—0 to 1000 and 0 to 1 meg, with midscale readings of 50 and 9000 ohms. 3F8385—Kit of 9 Continental Carborite 5% Resistors including Printed Dial Scales for all meters specified. Circuit diagram and instructions including. List, \$3.60.

YOUR PRICE Additional Parts

7—2 Gang 10 pt. Rotary Switch ...\$0.94 —Electrad 2000 Ohm Potentiome-232 — Electrad 2000 Ohm Potentiometer ter ter ter ter ter 22c ea. 3F61 | 6—Eby "+" Binding Post 3F61 | 7—Eby "-" Binding Post 3F4842—10 feet Resistance Wire 3F68 | 5—Bar Knobs, 9c ea. 3F10442—5½"x8½" Walnut Case 3F7489—Black Bakelite Panel



Make Your Own Shunts with Manganin Resistance Wire

Standardize your milliammeters by making all have the same internal resistance! As 50 ohms is the standard value usually employed, we suggest adding insulated Manganin wire in series with the movement to secure the total of 50 ohms. Employ the 30 gauge for all series multiplier purpuses. The 26 gauge is suitable for shunts carrying less than 50 MA. Employ 22 gauge for shunts of less than 1000 milliamperes. This round wire is suitable for use as shunt and multiplier resistance for all styles of meters, wheatstone bridge slide wires, resistance hoves of standard value, etc. Temperature co-efficient 0.00025 ohms per C. Practically no thermal co-efficient in contact with copper.

tact with copper, 22 Gauge B&S. 0.452 ohms per foot. 100 foot spool, Double Silk Covered.

30 Gauge B&S, 2.899 ohms per foot. 300 foot spool, Double Slik Covered. 3D4842—YOUR PRICE

Bare Resistance Wire

For use at extreme high temperatures in heater elements, of ranges, radiant heaters, toasters, rheostats, bleeder reststances, etc. Temperature co-efficient 0.000112 ohms per °C up to 500° (1022° F.) and there remains fairly constant to 1000° C (1812° F.). Non-oxidizing in air. Non-magnetic. Bright finish, Round. Supplied without insulation, 22 Gauge R&S, 1.015 ohms per foot, 100 foot spool, bare wire,

32 Gauge B&S, 10.15 ohms per foot. 500 foot spool, bare wire.

\$1.00 3D4844-YOUR PRICE

"VAN" SHUNTS

Very small and compact. Size about 14," long, S₈" wide. Resistance elements of non-corrosive with temperature co-efficient of practically nil. These shunts are intended for use in converting 0-1 milliamper movement meters for reading higher range currents with maximum milliamps specified.

Multiple Shunts



For 1. Mil. Weston D. C. Mod. 301 27 Ohms Meter Resistance List \$1.50.

50 100 500

88¢

YOUR PRICE... 88¢ Stock Number 3D4878 3D4879 3D4880 D. C. Milliamps Number 3D4875 3D4876 3D4877 Milliamps 100

For Triplett Model 321 and 324
30 ohms Meter Resistance
List Price, Each \$1.50. 88¢

YOUR PRICE..... Stock Stock D. C. Milliamps Milliamps 5 10 Number 3D4859 3D4860 3D4861 Number 3D4862 3D4863 3D4864 100 500 For Beede and Jewell 54 Stock

or Beeae 35 Ohms Meter Res 13 C. Stock Resistance D. C. Milliamps Milliamps

Stock Number 3D4865 3D4866 3D4867 3D4868 3D4869 3D4870 10 Each \$1.50. YOUR PRICE

Single Range Shu for 50 Ohm. 1 Mil. Shunts List \$1.50. YOUR PRICE ..88c Stock D. C. Stock D. C. Milliamps Milliamps Number 3D4884 3D4885 3D4886

27 ohms m. Sistance. Tapped sistance. Tapped 10-100 mils. 1,1st \$2.50. YOUR PRICE \$1.47

Model 301. 50 ohms m. Sistance. Tapped 10-100 mils. 1-100 mils. 1-76 Series Tapped Shunts

3D4891 For Universal Model 301, 50 ohms Meter Resistance, Tapped for 5-25-100 mils, List \$3.00. YOUR PRICE. \$1.76

Series Tapped Shunt

Series Lapped Snumr
For Beede, Hoyt, Triplett, and Weston 1 milliamnere meters having 50 ohms internal resistance or
with meters of lower resistance having an external
series resistance of manganin wire to secure a net
50 ohms, Tapped for 10 and 100 milliamperes,
3E4892—For 50 ohm, 1 Mil. meters \$1.47
YOUR PRICE

For Test Instruments

Especially designed for protection of delicate equipment. Break circuit in 1/100 part of time required to burn instruments. May be used on 250 Volts D.C. or A.C. The smaller sizes have been used without arcing up to 1500 volts D.C. on a 2KW supply. Illustration is actual size. Length 1 inch. Diameter ¾ inch.

						U	se to Prote	ct—
Stock Num.	Rat- ing Amps.		Aver. Resis. 5M.A. Load	Your Price Each	Your Price Dozen	Volt- meters Ohms per volt	Millian All Magnetic Move- ments	meters Thermo- couple Move- ments
3F6925 3F6926 3F6927 3F6928	1/100 1/100 1/10 1/10 1/10 1/10	10 25 60 100	20 5.0	12c	\$1.32	1000 & up 500-1000 100-500 20-100	Up-1 1-10 10-25 25-75	Up-10 10-25 25-60 60-115
3F6930 3F6931 3F6932 3F6933	1/4 9/8 1/5 9/4	200 300 400 600	6.2 3.0 2.5 .40	9c	\$1.00	10-20 5-10 3-5	75-150 150-250 250-350 350-500	115-200 200-300 300-400 400-600
3F6934 3F6923 3F6935	1116	1000 1500 2 000		6c	65¢		500-750 750-1000 1000-1500	600-1000 1000-1500 1500-2000
Littelfuses								



Glass enclosed 3AG type. These radio fuses have many points of merit which are distinctly Litteffuse features. Approved by the Under-Line. Locked end caps. No cement to loosen.

or Radio Receivers

Glass enclosed 3AG type. These radio fuses have many points of merit which are distinctly features. Approved by the Under-Little features to loosen.

For Amplifiers For Radio Received

250 Volts				ror	500 Volts	ers	
Stock Number	Rate Amps.	Max. Load Watts	Your Price	Stock Num.	Rate Amps.	Peak Load Mills.	Your Price
3F6936 3F6937 3F6938 3F6939	1 1 1 1 1 2 2 3	60 80 150 200	Each 5C Dozen 50¢	3F6940 3F6941 3F6942 3F6943	1/4	75 mils. 150 mils. 300 mils. 500 mils.	Each 9C Dozen \$1.00
-							

Mountings For Littelfuses and 3AG Type Fuses **Extractor Fuse Post** Fuse Retainer



use. Cadmium plated stee; such to which shielding can be soldered. Bayonet lock end. Takes cable up to A' diameter. Also sultable for aerial connector.

3F6948—For 3AG Type Fuses 2½"x3%" dia.

Antenna Coupler

Connects auto radio

Connects auto radio to antenna on auto sets. Two plece me tal container with bayonet lock ends, powerful spring contact insures perfect electrical connection. Insures a neat installation and is an aid when set is serviced.

"Meter-Back" Mounting



Mounts directly on one meter binding post. Will not touch other post on smallest standard meter. Linen bakelite base.

ard meter. Linen bakelite base.

3F6914 For Instrument Littelfuses.

Size 1"x114"x26". YOUR PRICE, EACH 12¢

Standard

Tinned shake-proof terminals and extra quality phosphor bronze, nickel-plated fuse clips. Molded clips.

bakelite base.
3F6944—For 3AG Type Fuses.
1%x½x¾ inches. YOUR PRICE, EACH.... 10 for \$1.10

3F6945—For instrument Littelfuse

Panel Type



For use where concealed wiring 1 concealed wiring is required. Studs 1 inch long, threaded %2 full length. Nuts and washers included. 3F6946—For Instrument Littel-fuses Only. Size

12¢ EACH



3F6924-For 24¢ EACH

Metal Covered Fuse Mounting 316906-Your 12¢ 7 7

Designed and built for use in metal tube equipped sets! Prevents burn outs or overloading of tubes, transformers, condensers, etc., in case of shorts. Made for standard 3AG fuses. Compact—2½.7% "x¾" overall. Requires no mounting screw. Easy and quick to install. Entirely shielded. Meets Underwriters' approval.

Universal Gryp Connector



For 3AG Type of Instrument Littelfuses

Designed for temporary hook-ups, experimental set-ups, etc., in the laboratory or classroom where time is valuable. Made of nickel plated spring brass, the connectors slip on the fuse caps with a snug fit. The large hole, in the caps with a snug fit. The large hole, in the large hole inding posts of most instruments.

3F6947—List Price per pair, 15c PRICE, per pair

Standard Radio Fuses

Fuse element enclosed in glass tube with brass caps on ends. Size 11/4"x1/4". Will blow at a 50% overload. Type 3A.G.



3F6915—1	Amp,
3F69I6-11/2	Amps.
3F69I7-2	Amps.
3F6918-3	Amps.
3F6919-4	Amps.
3F6920-5	Amps.
3F692I-10	Amps.
3F6922-15	Amps.

YOUR 14¢ Per Hundred, \$2.65

Fusible Plug

3F6905-Your Price, Ea. 22¢

Takes place of regular connecting cap on extension cords. Ideal for radio dealers and servicemen for fusing radios not already protected, and for genprotected, and for ken-eral use around the la-boratory. Takes two standard size 3AG type fuses, or Instrument Littelfuses. Fuscs ar

tuses, or Instrument
Littelfuses. Fuses are inserted at
each side of plug in the base. Constructed of rich colored brown molded
bakelite. Equipped with knurled
finger grips and %" cord hole.

Fusible Trio Tap 125 to 250 Volts 6 Amperes 3F6907-



Your Price, Ea. 24¢ Three fused con-nections from one Bro nutlet bakelite body. Makes positive connections. Takes either 3AG Type Fuses or Littelfuses.

6

Rotary Tap Switches

For Test Instruments 36" Regulres hole, in 1/4"

thinner panel.
Single deck
type extends Single type extends 1" back of panel with %" for each extra deck. Insulated knob shaft,

diam. 1/2" long knob shaft, 4," diam. 4," long, Double wiping spring contacts. Ball bearing pressure spring insures positive stop on each position. Low contact resistance permits use of this switch in circuits controlling milliammeter shunts and volt-ohmmeter circuits. Built very rugged mechanically. Supplied in Non-Shorting and Shorting types.

Eleven Active Contacts Per Deck. Non-Shorting Your Shorting
 Stk. No.
 Decks

 \$0.59
 3E6329
 1

 .94
 3E6330
 2

 1.35
 3E6331
 3
 Stk. No. De'ks



6

Wire Wound Potentiometers Made

Ideal for test Instruments

midget ohm-meters. Diameter less than a half dollar, only 1.4". Extends 16" back of panel. %" mounting hole, %" threaded shank, %" shaft, %" beyond shank. Linear resistance. Knob

Stock	Res.	Max.	Your
Number	Ohms	Mils	Price
3 J 3438	50	200	59c
3E3425	200	100	
3E3426	400	70	
3E3427	1,000	45	
3E3428	1,500	30	
3E3429	3,000	25	73c
3E3430	5,000	20	88c
3E3431	6,000	18	88c
3E3432	10,000	14	88c
3E3433	15,000	11	88c

Bakelite Test Case



3F2455-With top panel.

YOUR PRICE 95¢

Polished brown bakelite with beveled bakelite top plate mounting with two insulated screws. Size of Inside depth

case 4%"x27%"x1%". Inside depth 1%". 2%" between inside panel supports. Supplied with six %" holes for small pin jacks, or wires. This is the ideal size small instrument case for small ratio apparatus.

Watt Midget Precision Multiplier Resistors



Only %" diameter, 4" wide. May be stacked on a 6-32 threaded stud as illustrated. The smallest precision resistors. Accurate within 1%.

Stock | Resist. | Volts | Your Num. In ohms lat 1 MA | Your Price |

Num.	in ohms	at 1 MA	Price
3F8448 3F8398 3F8399 3F8400 3F8449 3F8401 3F8416 3F8402	2500 2950*	1 1/4 2 1/4 3 3 4	41c
3F8403 3F8404 3F8404 3F8406 3F8406 3F8408 3F8408 3F8408 3F8410 3F8418		4 14 4 14 5 5 14 6 6 7 7 14 7 14 7 14	44c
3F8411 3F8412 3F8413 3F8414	8500 8950* 9950* 10,000	81/3 9 10 10	45c
3F8419 3F8420 3F8421 3F8422 3F8423 3F8330 3F8424	25,000 30,000 40,500	15 15 20 25 30 35 45	49c
3F8425 3F8426 3F8427 3F8428 3F8415 3F8429	60,000 70,000 75,000 90,000	50 60 70 75 90 100	59c

*Resistors matched to 50 ohm meter having | M.A. full scale deflection meters



Hoyt Model 557 0.1 D.C. Miliammeter 3F2549-

Your Special Low Price \$3.95

50 Ohms Resistance
Moving coil type D'Arsonal Movement. Accuracy within 2%. Case
Clamater 2½ inches. Flange Dismment. Accuracy with Diameter 2½ inches. Flange eter 3¼ inches. Metal case

Jeweled Pilot Light **Brackets**



Used as short in-dicators, signal light on test panels. Makes excellent solderpanels. Makes excellent solder-ing Iron pilot when connected across 3 ohm resistance in series with a 100 watt from. (2½v, bulb required.) Brackstandard slower 2." hole on any over 2." blick Red Iswal

et takes standard sized pilot light bulbs. Mounts in ½" hole on any panel not over \vec{x}_0 " thick. Red Jewel

3J6765-YOUR PRICE, EACH...... 16¢

Jewels For Pilot Light

Jewels For Pilot Light
Colored jewel on threaded shank with
mounting nut. Require '4" hote in
panel not over '4". Very attractive
when used in front of small neon or
flament pilot lights.
3F6766—Red
3F6767—Amber
316768—Green

YOUR PRICE EACH 10¢

Reflector Type Panel

Light 3E6769— Less Bulb. YOUR PRICE 30¢

Takes standard tubular pilot lights. Illuminates meters on a test panel. Mounts in a '%' hole in &" panels. (Genuine Mazda pilot lights listed on page 86.)



Handles and plug coverings are trude of strong, durable, moided rubber. Pliable and unbreakable. Bakelite moided plugs are of exceptionally strong construction. Shockproof. Will withstand all weather conditions. Short handle is 1½" long, medium handle plug is 2½" long and the long handle plug is 3½" long.

Long	Handle	Male	Plugs
Stock	Num		YOU
Number	of Pr	ngs	PRIC
3F7130	4)	
3F7131	5	ł	17¢
3F7132	6		1/>
3F7133	7 Sm	all	

Medium	Handle	Male	Plugs
3 F 7 1 3 4 3 F 7 1 3 5	4 5]	
3F7136 3F7137	6 7 Sm	an	15¢
Short	Handle	Male	Plugs

3F7133

3F6100 3F6101 3F6102 3F6104	4 5 6 7 8	small }	12¢
31 0104		, mail	

Long	Handle	Female	Plugs
3 F 7 1 3 8	4	3	
3F7139	5	}	26¢
3F7140	6		ZOC
3F7141	7 8	mall	•

Medium Handle Female Plugs

3F7143 3F7144 3F7145	5 6 7 Small	21¢
----------------------------	-------------------	-----

Bakelite Cable Plugs





Sultable as cable connectors or cable plugs. Molded bakelite sockets and plugs can be quickly removed from the insulated steel caps for making connections. Rubber grommet with a %" hole protects cable where it passes through the cap. Female section has cadmium-plated phosphor bronze contacts. Diameter 1½", length 1½".

Male Section	Female Section	Number Contact:
3F6032 3F6033	3F6038 3F6039	4 5
3 F 6 0 3 6 3 F 6 0 3 7	3F6040 3F6041	6 7

15¢ Ten Pieces for \$1.35 NOTE. No Overall Lockable Sleeve Included at above Prices.

Overall Lockable Metal Connector Sleeves Only

Consists of two threaded drawn steel cadmium plated shells. Shells slip over the male and female parts of the above connectors and are screwed to-gether so that the plugs cannot come apart. Especially desirable on public address, airplane and automobile in-stallations.

3F6019-Set of 2. YOUR PRICE 15C

Sub Panel Sockets Wafer Type



With Tube Locating Ring **MIdget Size**

Tubes easily and quickly inserted. Firm positive contacts. With mounting holes 1½ inch centers. Overall length 1%". Width 1%".

Number	Prongs	Price Each	Ten For
3F6190 3F6191 3F6192	5	5c	45c
3F6193 •3F6194	7 ; 8 (Octal)	6c	}55c

*For New Metal Tubes

Standard Size

	20110	5.15	
Mounting Overall 1	holes ength 2	1 % inch	centers.
Stock Number	Number Prongs	Price Each	Ten For
3F6195 3F6196 3F6197	4 5 6	5c	45c
3F6198 3F6199	78 71,		450

Speaker and Analyzer

Finger Grip Type Bakelite body and cap. Finger grip cap covers con-nections, and unnections, and un-screws from body.

	Male	Plug
F6059-		
3F6060- 3F6061-	-5 pron	2
F 6063-	-7S	- j

3F6057-8	(octal).	Each.	29c

YOUR 18¢

Female Pluss

F6065—4 prong F6066—5 prong F6067—6 prong F6069—7S	1	YOUR PRICE 24¢

3F6070-8 (octal), Each 29c Flat Speaker Plugs

-	_
306049-3	
306050	
306051-	
306052-	
3F60487	
316047-8	Octal.

... 9¢ TEN FOR 85 c

Rakelite

Take up minimum space. Bakelite body. (prongs.

Standard Speaker Plugs



.....15¢ TEN FOR \$1.45
Bakelite cap and base screw apart.
Connections easily made by soldering in hollow prongs of base and are covered by cap.

Tube Bases



Moulded, polished black bakelite. Standard size. Moulded, polished black bakelite. Standard size. Hollow brass prongs, polished nickel finish. Easy to solder leads on Inside of prongs. Overall diam. 134". Cavity size—126" diam: 48" deep.

-	u	•	diam,	14	deep.
E60 F60)89-)90- 86	-5 -6 -7	prong prong prong prong si prong le	nall	PRICE 5C
. 00	07-	-,	prong R	ILKe	EACH

Multiposition Bakelite Sockets

Made of moided Bakelite with tube locating groove. Mounts without screws or rivets: held to chassis with locking ring of spring steel. Requires less space than the tube base. Mounts in 15% hole (large size 7 prong and 7 comb. in 15% hole). Very easy to mount. For use in material not over 5% thick.

	Supplied in Black and Red					
	Your Price Each	Ten For	Number of Prongs	Num.	Your Price Each	Ten For
3F6719 3F6720 3F6721 3F6722 3F6723	6¢ 6¢	55¢ 55¢ 55¢ 55¢ 55¢	4 5 6 7 small 7 large	3F6743 3F6744 3F6745 3F6746 3F6747	7¢ 7¢	65¢ 65¢ 65¢ 65¢ 65¢
3F6717 3F6718		65¢ 65¢	7S-7L† 8*	3F6748 3F6749	8c Rc	75¢ 75¢



Correct Size Chassis Punch Listed on Page

r New Metal Tubes. †Combination Universal Adapter_Plate



Steel plate with hole for the Multi-position socket.

Analyzer Multiple

Tube Sockets With Moulded

Ears

Receives all

Receives

Sockets

With

Slotted mount-centers from 11/2" to 2". or 4, 5, 6, 7 small and 8, or 7 large and 7 comb. hole

Moulded bakelite sockets. Called combination sockets because they tak bination sockets because they take tubes of more than one type of prong arrangement. Mount in 1.3." diameter hole. 143" mtg. hole centers.

4-5-6 4-5-6 3F6730—Code 456. 4, 5 and 6 prong tubes

3F6736—Code 477. Receives 7 prong large and 7 prong small tubes. List Price, 50e. YOUR PRICE, EACH.....29¢

Small Space Panel Mount

5-6-7 Small 3F6734—Code 567A. Ro 5, 6 and 7 prong small tubes.

Tube Shield Base



3F6724-PRICE, EACH ... 2¢ TEN FOR 18c When used with above moulded bakelite sock-

ets securely binds the shield base to the chassis without the use of any rivets or screws, Cadmium plated rust proof metal. Fits all standard size shields. No socket included

Multiposition Steatite Sockets



Exceptionally high di-electric strength. low power factor and high electrical resistivity. Easy to mount. Metai adapter plate can be screwed or riveted to panel or removed and socket mounted directly into chassis with wire retainer ring. Socket mounts in 1.6% hole (large size seven prong in 1.6% hole). Slotted holes in steel adapter plate 1½% to 2% mounting centers. Approved by U.S. Army and Navy. Used in the United States Signal Corps and wherever a low loss high quality socket is required.

Stock Number	Number of Prongs	Price Each	Ten For
3J6710 3J6711 3J6712 3J6713	4 5 6 78	24c	\$2.28
3J6714 3J6715	7I.	29c	\$2.75

*For New Metal Tubes

3F6701 3F6702 3F6703 3F6704 **Improved Panel Mount Sockets**

150

Same as abore with new type perfect contact. Good for two million tests. Will out last any tube checker, set analyzer or other piece of apparatus.

3F6002 4 3F6003 5 3F6004 6	24¢
3F6005 7L 3F6007 7S 3F6008 8	Ten for \$2.30
*For New All	-metal Tubes.



3 F 6 7 0 0

Compact Sockets Moulded black bakelite.
Guiding groove for tube
prongs. Tubes can be

Outding groove for tube prongs. Tubes can be quickly inserted. Perfect contact on each prong. Center hole for screw mounting. 1½ Inch diameter exactly fits inside standard tube base. § inch high. Solder lugs project downward for wiring below base.

3F6705 3F6706	5	Each	Ten for
3F6707 3F6708* 3F6709†	6 71, 78	12c	\$1.15
(*) Medit (†) Small			
Fo. 3F6699 8		Metal 24¢	Tube \$2.30

Composite Type 3F6738 4-5-6 3F6739 5-6-78 29c \$2.75

	Fith			
Mo	ulded Ears		Number of Prongs	Price
Mould hakelite. Body fits 14." jects %" above mounting A" below top of mounti Solder lugs project through	surface and ng surface.	3J6710	4 5 6 78	24
fiber washer. With 111 Mountin	g Ctrs.	3J6714 3J6715	7L 8*	29
Stock Con- Price	Ten For	*For Ne	w Metal Tu	bes

Bakelite Sockets

Moulded black Moulded black bakelite. Have guide for tube prongs. Tube a quickly and easily inserted. Easy to nount above panel or not over a linch thick. Mounting holes have 118"



Stock	Prongs	Price	Ten
Sumber		Each	For
F6120 F6121 F6122	4 5 6	15c	\$1.45
F6123*		22¢	2.10
F6124†		22¢	2.10
F6130		23¢	2.20

*†These are combination sockets.

Isolantite Sockets



insulating High High insulating qualities. Espe-cially effective on high frequencies. Slotted mounting groove 1 %" to

Stock	Number	Price	Ten
Number	of Prongs	Each	For
3J6125 3J6126 3J6127 3J6129	4 5 6 78	25c	\$2.35

For Octal All-Metal and Glass Bulb Tubes

Modernizing Adapters For Substituting New Tubes in Place of Older Types



Replace 45's With 47's

Single or Push Pull. 3F6029—List, \$1.00. YOUR PRICE, 29¢ Ten for\$2.75



Replace 24's with 57's 35's or 51's with 58's Improves selectivity and sensitivity. Just plug in adapter and new tube. List, 50c. 3F6010 O10- 29¢

Adapters for Replacing Kellogg Overhead Heater



Type Tubes 401 with 27's 401 with 56's 403 with 2A5

tis now possible to replace all the old type expensive Kellogg Tubes with the latest types of more efficient and lower priced tubes. It is less expensive to buy these adapters and new type tubes than to replace with old style Kellogg tubes. tubes

To Replace 401 with 27 -Na-Ald 954K27 To Replace 401 with 56 3F6132 Na-Ald 954-401. To Replace 403 with 2A5
3F6133—Na-Ald 964-403.
List Price, \$1.00.
58¢

Replace Large UV Tubes With Small UX Tube



To use the circums uve of the state of the state of the circums uve of the circums upon the

I. C. A. Vacuum Tube Voltmeter Kit



Contains the complete assortment of materials required to build the Vacuum Tube Volt Meter recently announced by RCA using the new Acorn Type No. 954 Pentode. For servicement, laboratory ment, experimenters, etc. The small size of the No. 954 tube and the novel structure of the meter permit the tube itself to be placed at the noint of measurement, thus avoiding long leads and high Input capacitances. Measurements can then be made at radio frequencies with put capacitances. Measurements can then be made at radio frequencies with a minimum effect on the constants of the circuit under measurement. Kit supplied complete including 6" x 5" x 13" shielded weeks civilies and supplied complete including 6" x 5" at 18" shielded metal cabine and Flexible Probe but less indicating metor for which external connection provisions are made.

312545—Complete with instructions and Diagrams. Less Micro-annucler and Tube.

YOUR PRICE\$5.88

3J981 1-Triplett 0-500 Micro-ammeter Model 321. meter Model 321. YOUR PRICE 3J716—RCA-954 Acorn Tube.

Adapter Tops and Bottoms

Make Any Style Tube or Test Adapter

Permits any style tube or test adapter to be made quickly. The top is a standard molded bakelite socket. The base is molded with hollow prongs. Connecting wires when attached to adapter top and pulled through hollow base prongs and soldered, hold the two sections neatly and securely together. Desired connections from top to base can be made quickly and easily. A job equal to a factory product at a great saving in cost. A hole on the side of the base measuring \(\frac{1}{2} \), we permits taps from any circuit to be brought out. Body size 1\(\frac{1}{2} \) inches. Height of top and bottom assembled 1 inch.



Ton Se

Bottom Sections			To	p Section	S		
Stock No.	No. Prongs	Your Price	Ten For	Stock No.	Number of Holes	Your Price	Ten For
3F6155 3F6156 3F6157 3F6158 3F6159 3F6173		10¢	95¢	3F6160 3F6161 3F6162 3F6164 3F6163* 3F6174	5 6 78 78-7L 8	12¢	\$1.10

Knock-Down Adapter Kit

An essential adapter kit for every serviceman. Contains 5 standard molded sockets and 5 bases—one socket and base each 4, 5, 6, 7 small and 7 large. Supplied complete with all necessary hardware for quick assembly of any desired adapter. \$1.02

List, \$1.75. YOUR PRICE



NA-ALD 950XYLA Multi-Adapter

3F8001-List Price, \$5.00. Your Price \$2.94

Tests Over 120

Tests Over 120

New Glass Bulb Tubes

If your tube-checker will not check
any of the following tubes, you need
this adapter: 1, 1-Y, 2A5, 2A6 (Dio),
2A6 (Tr.1), 2A68 (DI), 2A68, (Tr.),
2A7, 2A7S, 2B7, 2B78, 2F7 (Pent.),
2A7, 2A7S, 2B7, 2B78, 2F7 (Pent.),
5Z3, 6A4, 6A7, 6A78, 6B7, 6B78, 6B78,
6C6, 6C7, 6D6, 6D7, 6E7, 6F7 (Pent.),
6C8, 6C7, 6D6, 6D7, 6E7, 6F7 (Pent.),
6F78 (Pent.), 6Z3, 6Z4, 12Z3, 11,
15, 18, 19, 2SZ5, 29, 33, 36, 36A, 38,
15, 18, 19, 2SZ5, 29, 33, 36, 36A, 38,
15, 18, 19, 2SZ5, 29, 55, 57, 57A,
57S, 58, 58A, 58AS, 58A, 59, 57,
57S, 58, 58A, 58AS, 58S, 59, 6B4,
64, 64A, 65, 65A, 68, 68A, 69B,
64, 64A, 65, 65A, 68, 68A, 69B,
75 (Dio.), 75 (Tr.1), 758 (Dio.),
758 (Tr.1), 77, 78, 80, 80M, 81M,
82, 83, 83-V, 84, 85 (Dio.), 85 (Tr.),
85AS (Dio.), 85AS, (Tr.), 858
(Dio.), 85AS, (Tr.), 87, 88, 88M, 89B,
99, 92, 95, 96, 98, 257, 291, 293,
295, 985, 986, AD, AE, AF, AG, G2,
C2S, G4, G4S, G84, G4, HZ29, Kill,
Kill, Ki

Speaker-Headphone Switching Adapters



esigned for connecting headphones in esigned for connecting headphones in the grid circuit of any receiver. Tog-tle type switch on control box permits changing from speaker to headphones as desired. Adapters fit under power tubes. Supplied for use with single or push-pull outputs. Ideal for DX reception on all-wave sets, deaf persons, hospitals, schools, etc. or wherever speaker operation is not desired.

Single Output

3.16.136.4. Prom. Adapter. For use

3J6136 4-Prong Adapter. For only with self-blased power tube.
3J6137—5-Prong Adapter.
3J6138—6-Prong Adapter.
YOUR For use

PRICE		\$1.4
	Push-Pull	Output
31613	9-4-Prong	Adapter.
31614	O-5-Prong	Adapter.
31614	-6-Prong	Adapter.
YÖÜR		\$1.6
PRICE		91.U

Mike or Phono Adapters



3F6180—5 Prong. 3F6181—6 Prong. 3F6182—7 Prong small. List Price, \$1.00.

YOUR PRICE

54¢

Split cathode connections. Used as a phonograph or microphone adapter by inserting under detector or 1st stage

Wafer Adapters



With Lug Taps
Two discs of bakelite riveted together. Holes punched for tube prongs. In each hole is a metal con-Holes tact connected

3F6145—4 prong. 3F6146—5 prong. 3F6147—6 prong. 3F6148—7 prong.

Lugs can be bent to any position.
6145—4 prong. List Each 50c.
6146—5 prong. YOUR PRICE Each 12c 10 for \$1.05

Universal Output Meter Adapter



Contacts plate prong. Insulated for shielded sockets. 5 foot lead with cord tip. 3F8021—List Price, 35c. YOUR PRICE 21¢

MEISSNER Equalizing

Condensers

Extremely small. Special treated alloy plates. Best alloy Mica Dielect.

Fine thread screw adjustment. High overall efficiency.

Capacity range 3 to 30 MMF.

3F7070—Ceramic Base Ea. 3F7071—Bakelite Base Ea

MEISSNER Junior Trimmers

for use as trimmers or padders in high and intermediate frequency circuits. Iso-

circuits. Isolantite base, Plates of special alloy with separators of finest grade mica. Fine thread screw adjustment. Capacity our

Stock Number Price 10 to 70 MMF 30 to 160 MMF 60 to 300 MMF 110 to 475 MMF 500 to 1125MMF 3F7072 3F7073 3F7074 3F7075

Grid Clips, Studs, and Adapters **Double Grid Clip**

For All-Metal Octal Tubes



Tubes
Permits grid cap connections to be made on both the regular glass bulb type and new All-Metal tube caps. Housed in a bakelite case. Completely insulated. Fitted with lead and tip lead and tip lead and tip iack.

3F6472—List Price, 30c. 18¢ 3F6473-Without Lead 12c

Grid Clip Adapter

Plugs into regular grid clip. Plugs into regular grid citp. Permits making grid con-nection on All-Metal tube grid caps without additional wiring. Clip end fits All-Metal tube grids. Solid end fits in standard grid clip. 3F6474-List Price, 15c.

YOUR PRICE



Double Grid Terminal Stud

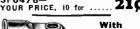
For attaching to the grid lead of analyzers in place of the single grid stud. Permits connecting on one end of the stud all of the regular glass bulb tube caps. The other end of stud is for connecting the smaller grid caps used on the All-Metal tubes.

3F6475 -List Price, 10c. YOUR PRICE

All-Metal



Spring tension. Positive contact. Brass, nickel plated. 3F6476





Solder Lug 3F6477—Grid clip with tubular metal terminal

for making convenient and neat solderconnection YOUR PRICE, 10 for 29¢

Socket Wrench Set and Screw Driver

314680

List Price, \$2.00



very complete outfit including all also one internal knuried socket to fit any 12 point Double Hex. nut between sizes &" and %". Knuried wooden handle with hexagonal shaft that serves also as a screwdriver. Metal parts hardened steel cadmium plated. All packed in substantial hox

Spring Steel 72 Inch Rule Roll-Away Type

A new semi-flexible steel rule, which may be bent, twisted or folded in practically any manner and will always spring back to its natural form The spring tape is so tempered and curved with the width of the rule that it holds its nearly rigid shape for all ordinary measuring purposes and may be bent or curved at will wifncut damage to the rule. Rolls up in a compact metal case 2" diameter. 1" thick.

3D4535-YOUR PRICE 49¢

Newest Analyzer Plugs and Adapters

Testing Adapters

All-Metal Tubes

For Testing 5Z4 In 80 Socket
8 hole top—4 prong
base. Tests the new
All-Metal 524 full-wave
rectifier in the type 80
socket, of any tube
checker. UTU

3F8101-Lin -List, \$1.00. 59¢

For Testing 6A8, 6B6, 6C5, 6D5, 6F6, 6J7, 6K7, 6L7, 6Q7, 6R7 and 25A6



in any 6 prong socket such as 41, 42, 43, 75, 77, 78, and 85 of any tube tester Octal top with 6 prong base, 3F8 02—List, \$1,00. YOUR PRICE



For Testing 6N7 In 6A6 Socket 8 hole top—large 7 base. Tests the new All-Metal Class "B" twin amplifier tube in the 6A8 socket of any tube checker.

3F8103—List, \$1.00.

59¢ OUR PRICE .

For Testing 6H6

In 85 Socket

8 hole top—6 prong base. Tests the new All-Metal tube type 6116 in the 85 diods socket of any tube checker.



3F8 | 04--List, \$1.00. YOUR PRICE ...

For Testing 6A8,6C5,6D5, 6F6, 6J7, 6K7, 6L7 In 36 Socket 6N7 in 37 Socket

base. Tests all the above new Althefat lubes in the 36 and 37 socket of any tube checker. Lend with new miniature grid cap attached. Regular control grid stud. in base. control grid stud, in b 3F8105—List, \$1.50.

88¢ YOUR PRICE . For Testing 6H6 (C)

In 36 Socket
hole top—5 prong
ase. Tests the new
ype 6116 All-Metal

Analyzer Adapters For All-Metal Tubes

For modernizing analyzers not originally designed to test receivers employing the All-Metal tubes.



8 Prong (Octal) Base—Small 7 Hole

Top

3F8131—For converting any small seven
prong analyzer plug
to analyze the circuits
of All-Metal tubes.

Hole (Octal)
Top—Small 7 Prong Base 3F8 | 29-F o r commodating all of of the All-Metal tubes in the small seven hole sockes of any set analyzer. List Price, \$1.00. YOUR PRICE, Each



Improved Latch-Lock Plug NA-ALD

With Improved Adapters

With Improved Adapters

New type of moulded bakelite analyzer plug and adapters for modernizing your present test equipment or for building your own analyzer. Five adapters are required for the 4, 5, 6, 7 large and 7 small prong glass bulb tubes, and one adapter for the new All-Metal (Octal) Tubes. Adapters are locked to analyzer plug by a latch type lock. A double control grid stud itts both the glass bulb type and All-Metal type tube caps. Plug base is fitted with a special key type guide making it impossible to incorrectly place into adapters. Body length of analyzer plug only 24," Adapter height less than ½", Diameter of plug base and adapters only 1½". Enters all closely shielded sockets and is no higher than the tube itself.

3F81||-Latch-Lock Type Analyzer Plug only with dual grid stud. Less cable.
List Price, \$2.50. YOUR PRICE \$1.47

3F8112—Latch-Lock Type plug with wired in dual grid stud and 5 ft. of nine wire cable attached. Completely assembled. List Price, \$4.00. \$2.31

3F8134-10 prong cable plug and ten hole socket for mounting on analyzer panel.

List Price, \$1.50 88¢ VOUR PRICE

COMPLETE Analyzer Plug, Cable, Cable Plug, Socket and Adapters

Latel-Lock type analyzer plug with 5 ft. nane wire cable and wired in dual grid stud. Cable is fitted with a ten prong finger grip type cable for mounting on analyzer panel. (Ninth contact in center). 6 associated adapters for testing both the new All-Metal Octal eight prong Tubes and regular glass built tubes new All-Metal Octal eight prong
Tubes and regular glass bulb tubes included. See listing of special adapters for use with Octal sockets not having 8 holes.

Special adapters for use with Octal sockets not having 8 holes.

3J8149 7 Metal 3J8140 6 Metal - 3J8145 7 Westel - 3J8145 7 Metal 3J81

\$6.76 YOUR PRICE

Associate Adapters

For use with the above analyzer plug in all glass tube sockets and All-Metal Tube 8 hole sockets.

Stock	Prongs	For	Price
Number	Base	Tubes	Each
3J8113 3J8114 3J8115 3J8116 3J8117 3J8118	5 6 7S 7L 8	Glass Glass Glass Glass Glass Metal	5 9 c

3J8139 3J8140 3J8141* 3J81421	7 6 5	Metal Metal Metal	59c
	5	Metal	
# 10 or 574			

Number	Base	Tubes	Each
3J8113	4	Glass	59c
3J8114	5	Glass	
3J8115	6	Glass	
3J8116	78	Glass	
3J8117	7L	Glass	
3J8118	8	Metal	

Latch-Lock Type Analyzer Plug and Adapter Kit



plug 3" long. Molded bakellt high bodies. Analyzer Plug 3J8 | 35—Analyzer plug only. No cable. List, \$1.50 YOUR

Complete Kit Assembled and Wired

Associate Adapters For Latch Type 7 Prong Plugs



Fit latch type small 7 prong analyzer plugs, Genuine bakelite bodies. Fit into shielded closely sockets.

*Fits Into Ocsockets not having 8 holes.

Such sets as Atwater-Kent, Zenith, etc., have sockets with blocked holes The regular 8 prong Octal adapter cannot be inserted in blocked Octal sockets.

For Glass Tube Type Sockets Stock Alden Number Prong Base Number 974DSA 975DSA 976DSA 977DSA 3J8018 3J8017 3J8016 3J8019 **44**e

For Octal Type Sockets 3J8130 3J8012* 1978MSAO 977MSAO 976MSAO 3J8013* 3J8014* 3J8015* 6 5 (5Z4) 5 (6F5) 975MSA 975MSA

950 GEM Universal Metal Tube Checking

Adapter 3F8127-List Price. \$6.50. Your Price

\$3.82



Permits testing all types of Ali-Metal Tubes in the 36 socket of any tube checker. A single unit containing three checker. A single unit containing three octal sockets for testing all types of the New All-Metal Tubes. Two toggle Switches permit a complete test on every metal tube including both plates of the 5Z4, 6H6 and 6N7 double plate Eliminates numerous tubes. dividual adapters. Complete unit is housed in an attractive moulded bake-lite case. Directions for testing are etched on a metal escutcheon plate. Case is fitted with large size stud terminal and the new small size metal tube grid cap. Dia. 3½", hgt. 2½". adapters.

Non-Locking Plug and Wired Adapter Kit



For Glass and Octal All-Metal Tube Sockets

Consists of a large 7 prong bakelite plug with detachable handle, five moulded bakelite wired adapters and a double grid terminal stud. Wired adapters have large 7 hole tops and 4. 5, 6, small 7 and Octal 8 prong bases. No cable is supplied for the analyzer plug. On page number 94 is listed suitable 8 conductor cable for making plug connections. Dual grid stud may be wired-in at plug and also connected to eight wire for grid connection at analyzer. Plug is only 2½ inches fligh. Diameter of adapters only 1% inches. Convert your "Point to Point" tester for use as an analyzer or modernize old test equipment with this kin. A Our low price on serviceman afford to be without it.

3J8072-List Price, \$3.50. Your Special Net Price **S1.95** Complete Kit, Only ...

Special Unwired Analyzer Plug and Adapter Kit



For Glass and All-Metal Tube Sockets

Sockets

Molded small 7 prong bakelite plug with detachable handle. Adapters have molded bases and tops which nortrude over the metal shell body. Analyzer plug body 2½" high. Adapter bodies 1½" high. Kit includes Analyzer Plug, Dual Grid Terminal Stud, Five Unwired Adapters for 4, 5, 6, 7L hole sockets and 8 prong Octal socket. Instructions for wiring analyzer plug and adapters included.

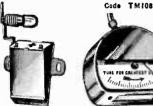
3F8071—Complete Kit. \$1.35

READRITE **Tuning Meters**





Code TM 102



Code TM 121

Code TM 103

For Accurate Visual Tuning
For replacements in A.V.C. sets or for modernizing
sets not equipped with A.V.C. High resistance
type milliameter. The circuit is brought into
resonance when the needle swings to its farthest
point. Insure tuning accurately with best tonal
quality. Bulb supplied with Model TM-121 only.

TM-103 Front or bottom Illuminated type with		Rear Light with opac	ing Type
орадие	dial	Stock	Scale
Stock	Scale	Number	M. A.
Number	M. A.	3F2658	0-5
3F2650	0-5	3 F 26 5 9	0-7
3F2651	Ŏ-7	3F2660	0-10
3 F 2 6 5 2	0-10	3F2661	0-15
3 F 2 6 5 3	0-15	TM-	424
		I IVI-	121
TM-1 Needle Shado with Transluc	у Туре,	Shadow Gra	oph Type; sonance al
Needle Shade	ent Dial.	Shadow Gra Indicates re Narrowest Stock	sonance at Point.
Needle Shade with Transluc	w Type, ent Dial.	Shadow Gra Indicates re Narrowest	oph Type; sonance al Point.
Needle Shade with Transluc Stock Number 3F2654	Scale M. A.	Shadow Graindicates re Narrowest Stock Number	sonance al Point. Scale M. A.
Needle Shade with Transluc Stock Number	Scale M. A.	Shadow Graindicates re Narrowest Stock Number	sonance at Point. Scale M. A.

Tuning Meter Prices

Choice of any type above. YOUR less escutcheon. List, \$1.50 PRICE

ESCUTCHEONS

E-1		
3F2663-For	TM102-3]	List
3F2664-For	TM108 }	Each
3F2665-For	TM121	30c

Your 18c

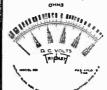
Multi-Deck Selector Switches



Especially designed for use in testing equipment. 19 active and 1 off positions per deck. Smooth operating, new positive elick type with low resistance contest. Lugs for solder connections. Single hole mounting. Bakelite insulation. Bakelite pointer knob included.

TEFFIL	Stock Number	Decks	List Price	Your Price
	3F2678	Onc	\$2.00	\$1.30
	3F2679	Two	2.50	1.63
	3F2680	Three	3.00	1.96
	3F2681	Four	3.50	2.29
Collisia.	3F2682	Five	4.00	2.62
	3F2683	Six	4.50	2.94
	3F2684	Seven	5.00	3.27

Triplett O-1 Milliammeters Fitted with Special V-O-MA Scales



100 ohms internal re-sistance. Equipped with knife-edge pointers and knife-edge pointers and zero adjusters. Supplied in polished black bakelite cases. Shunts and resistor for obtaining the various ranges specified are listed below each meter. Wirng diagrams supplied with each meter. Model 231-3½ "Meter. Scale reads: 30-300-600 volts; 1000 ohms.

30-300 miliamperes; 100,000 ohms. 3F9877 List Price, \$7.50,

YOUR PRICE Y TO
Shunts and Resistors for Above Meter
3F9878-(Code 30). Resistors mounted on
Bakelite for obtaining 30-300-600 volt ranges.
YOUR PRICE\$5.71
3F9879-(Code 31). Shunts mounted on Bake-
lite for 30-300 milliamperes. YOUR PRICE
YOUR PRICE
3F9894-(Code 64), Current Limiting Re-
sistor for 100,000 ohms.
sistor for 100,000 ohms. YOUR PRICE

Model 321-31/2" Meter. Scale reads: 10-50-250-500 v.; 10-50-250-500 milliamp.; 100,000 ohms. 3F9895—List Price, \$7.50. \$4.90 YOUR PRICE ... Model 521-514" Meter. Scale reads; 10-50-250-500 v.; 10-50-250-500 milliamp.; 100,000 ohms. 3F9896—List Price, \$10.50. \$6.86 YOUR PRICE

Shunts and Resistors for Above Meters 3F9897—(Code 10). Resistors mounted Bakelite for obtaining 10-50-250-500 volt range YOUR PRICE S5.71
3F9898—(Code 11). Shunts mounted on Bake-lite for 10-50-250-500 milliamperes. \$3.26 lite for 10-50-250-500 milliamperes. \$3.26
YOUR PRICE
\$3.26 Current Limiting Resistor for 100,000 ohms. 65c

Triplett Resistance Instruments Scale Markings as Listed Below Model 321-31/2" Meter Bakelite Case

Stock		ange	List	Your	
Number	Volts Ohms		Price	Price	
3F9650	0-1.5	0-1000	\$7.00	\$4.58	
3F9651	0-1.5	0-100,000	8.25	5.39	
3F9652	0-4.5	0-50,000	8.25	5.39	
3F9653	0-4.5	0~150.000	8.25	5.39	
3F9687*		0-100	6.75	4.41	



Resistance Meter Readrite Model 501 3E2685--YOUR PRICE ... \$1.62

Direct reading voit ohmmeter. 0.4½ voits, 0.10,000 ohms, 2" flange type meter. Requires three small flashlight cells which with resistance to be measured are connected in series with the meter. Accuracy within 10% with fresh batterles.



Portable Volt Ohmmeter Pocket Size

312503-YOUR PRICE ... \$2.30

Convenient as a pocket watch. 3" Diameter, 1½" deep with 24" test leads. Hange 0-10,000 ohms, 0-300 D.C. volts. Self contained flash light cells.



New Triplett Twin Meter

Combination A.C.-D.C. Volt-Ohm-Milliammeter
3F2593—Triplett Model 120 Combination Meter. List Price, \$15.50. \$1012

ter. List Price, \$15.50.

YOUR PRICE

This combination meter together with the accessories listed below can be used to build a Precision Testing Instrument providing all the readings required for Radio Service or Engineering work. Consists of two separate complete 3½" meter movements mounted in a single rectangular bakelite case, size 47½"x2"½"x1"¾" deep, with overall flange size, 5½"x3"½". The D.C. meter is a d'Arsonval jewelled bearing moving coil type resistance 2,000 ohms per voit, having multiple ranges of; 0-10-50-250-500-1000 Volts; 0-1-10-50-250 Mills; 0-1500-1½ meg.-3 meg. Ohms. The A.C. meter is a moveable iron repulsion type with sapphired jewelled bearings having multiple ranges of 0-10-50-250-500-1000 Volts. Knife edge pointers. Easily read scales. This is the same duplex meter as supplied in the Model 1200 Triplett Master Unit. Accuracy of both A.C. and D.C. meters within 276.

Essential Parts

Required with Above Twin Meter for Building A.C.-D.C. Volt-Ohm-Milliammeter

3F2594—Complete kit of resistors and shunts. List, \$10.75.

YOUR PRICE

\$7.01

3F2679—Selector Switch (2 deck, 20 points).
List, \$2.50.
YOUR PRICE \$1.64

YOUR PRICE \$1.64
3F2603—5 Mfd. Condenser for output measurements. List, 50c.
YOUR PRICE 32C
3F2601—Complete set of Blue Prints and Instructions. List, \$1.00.
YOUR PRICE
Special Telegraphy

YOUR PRICE 56C

Special Triplett Twin Instruments
The New Twin Triplett Instrument Illustrated above is furnished in any combination of A.C. or D.C. instruments. Both meters are mounted in the Bakelite case which requires a minimum of space and offers greatest convenience in service. The price of the Twin instrument is the sum total of the prices quoted for the two separate 3½ inch instruments selected as listed on the opposite page.





Other Special Triplett Meters

Radolek can supply you promptly with every type, of Triplett Instrument whether or not listed on these pages. Send for Triplett bulletin if you do not have the list prices or sufficient information. Your discount is uniformly 33½-2% from Triplett List Prices.

Compact Volt-Ohm Meters

Exceptionally compact circuit testing instruments; easily fits into the pocket. Service engineers will find them especially useful, handy and convenient, where larger and expensive instruments require more space and time. The units have self contained batteries and 30" test leads strucked. Batteries are easily replaced by removing the back. Dimensions either instrument: 1%x2%x3% in.



Simplex

Model 271 List Price, \$5.50. 3/2690-

YOUR \$ 323

Voltage ranges, 0-3, 0-30 and 0-300 D.C. Resistance range, 0-10,000 ohms. Magnetic vane type meter. This instrument

is adapted for purposes where precision is not necessary and low resistances are handled. An ideal instrument for estimating service calls. Attractive calls. Attractive walnut bakelite case.



Precision Model 272 List Price, \$13.25 312691-

YOUR \$779

Voltage ranges, 0-50, 0-50 and 0-500 D.C. resistance range, 0-500,000 ohms. Moving coil type meter.

1,000 ohms per volt. Ohmmeter has screw type full scale adjuster to compensate for gradual reduction of hattery voltage. Attractive black bakelite case.



Triplett 51/4" Giant Meters

Giant Panel Test Instruments Flush Mounting in 4%" hole requires 2%" to 3" clearance Knife Edge Pointers. Mirror back seales. All ranges available. Most popular sizes are listed below. A.C. models employ repulsion type movable iron vain action. D.C. models use standard d'Arsonval jewelled hearing movements with chrome steel permanent magnets. Supplied in bakelite cases. D.C. scale length: 31%". A.C. scale length: 27%". Accuracy 2%.

Prices are for meters without mirror scales and knife edge pointers. Add \$1.33 net extra if mirror scale and knife edge pointer is desired. Special scales and double range meters can be supplied at additional cost.

	Model 521	D. C.			Model 53	LA.C.	
Stock Number	Range	Resist. in ohms		Stock Number	Range	Resist. in ohms	Your Price
1E9585 1E9586 1E9587 1E9588 1E9589	1 M.A. 0.5 M.A. 0.2 M.A. 10 Amp. 300 Volts	33 156 185 .905 .3 meg.	8.33 11.27 5.49	1E9591 1E9592 1E9593 1E9594 1E9595	10 M.A 250 M.A. 3 Amps. 10 volts 150 volts	1950 1.2 .02 160 151,500	\$6.54 5.49 5.49 5.49 6.54

TRIPLETT



PRECISION METERS

Guaranteed Accuracy Within 2% at 72° F. Genuine d'Arsonval Moving Coil Type

2' Model 223

31/2" Model 321

Rugged dependable meters for radio or Metal dustproof cases with glossy service, experimental, and educational use. Standard in size, range and appearance. Clear white enameled dials. Balanced aluminum indicating pointer. Genuine polished sapphire jewelled bearings. Bakelite meter lines.



2 Inch Models 223 D.C.-233 A.C. (Flush Mounting)

Model 321 D.C.—331 A.C. Flush Type, wide flange. 3½" dlameter. Scale length 2¾". Mounting hole centers 2¾".

Model 223 D.C.—233 A.C. Flush Type. Fits into 2" hole. Metal case has narrow rim and mounts with rear elamp. Bakelite ease has wide flange with 2 5/64" Mounting centers.

72 214	CII MOQ	C10 341	33-	centers 2
3 1/2"	Model	321 2	Mode	1 223
Stock Number	Your Price	RANGE	Stock Number	Your Price
	D. C. M	ILLIAMN		S
E9610 E9611 E9612	\$4.55	0-1 Mils. 0-1.5 0-3	3E9654 3E9655 3E9656	\$3.75
E9613 E9614 E9615 E9616	3.75	0-5 0-10 0-15 0-25	3E9657 3E9658 3E9659 3E9660	2.94
BE9617 BE9618 BE9619 BE9620	3.75	0-50 0-75 0-100 0-200	3E9661 3E9662 3E9663 3E9664	2.94
E9621 E9622 E9623 E9624 E9625	3.75	0-250 0-300 0-500 0-750 0-1000	3E9665 3E9666 3E9667 3E9668 3E9669	2.94
E9626 E9627 E9628 E9629 E9630 E9631	\$ 5.39 3.75 6.86 6.86 6.17 6.17	.5-05 100-0-100 0-1-10 0-1-25 0-15-150 0-25-250	3E9670 3E9671 3E9672 3E9673 3E9674 3E9675	\$ 4.33 2.94 5.83 5.83 5.17 5.17
	D. C	. AMMET	TERS	
3E9676 3E9677 3E9678 3E9679 3E9680	\$3.75	0-1 Amps. 0-3 0-5 0-10 0-25	3E9700 3E9701 3E9702 3E9703 3E9704	\$2.94

11/4 INCH Models 321—331

3E9626 3E9627 3E9628 3E9629 3E9630 3E9631	\$ 5.39 3.75 6.86 6.86 6.17 6.17	.5-05 100-0-100 0-1-10 0-1-25 0-15-150 0-25-250	3E9670 3E9671 3E9672 3E9673 3E9674 3E9675	\$ 4.33 2.94 5.83 5.83 5.17 5.17
	D. C	. AMMET	ERS	
3E9676 3E9677 3E9678 3E9679 3E9680	\$3.75	0-1 Amps. 0-3 0-5 0-10 0-25	3E9700 3E9701 3E9702 3E9703 3E9704	\$2.94
3E9682 3E9683 3E9684 3E9685 3E9686	3.75	1-0-1 5-0-5 10-0-10 20-0-20 30-0-30	3E9706 3E9707 3E9708 3E9709 3E9710	2.94

100	D.	c. 1	MICROAMM	ETERS	
3E9811 3E9812	\$	6.0 7.8	4 0-500 M.A. 4 0-200	3E9815 3E9816	\$ 5.04 6.86

Stock	Your	1	Stock	Your				
Number	Price	RANGE	Number	Price				
D. C. VOLTMETERS 125 Ohms Per Volt								
3E9712 3E9713 3E9714 3E9715	\$3.75	0-1Volts 0-3 0-5 0-10	3E9750 3E9751 3E9752 3E9753	\$2.94				
3E9716 3E9717 3E9718 3E9719 3E9720	3.75	0-15 0-25 0-50 0-100 0-150	3E9754 3E9755 3E9756 3E9757 3E9758	2.94				
3E9721 3E9722 3E9723 3E9724 3E9725	\$ 4.58 4.58 5.39 6.04 7.18	0-200 0-250 0-300 0-500 0-750	3E9759 3E9760 3E9761 3E9762 3E9763	\$ 3.75 3.75 4.33 5.17 6.17				
3E9726 3E9727 3E9728 3E9729 3E9730	9.31 11.44 3.75 3.75 3.75	0-1000 0-2000 3-0-3 50-0-50 150-0-150	3E9764 3E9765 3E9766 3E9767 3E9768	8.33 10.46 2.94 2.94 2.94				
D. C. VOLTMETERS 1000 Ohms Per Volt								
3E9769 3E9770 3E9771 3E9772	\$5.39	0-5Volts 0-10 0-25 0-50	3E9797 3E9798 3E9799 3E9800	\$4.33				

3E9769 3E9770 3E9771 3E9772	\$5.39	0-5Volts 0-10 0-25 0-50	3E9797 3E9798 3E9799 3E9800	\$4.33
3E9773	\$ 5.71	0-100	3E9801	\$ 5.06
3E9774	5.71	0-150	3E9802	5.06
3E9775	6.53	0-300	3E9803	5.83
3E9776	7.18	0-500	3E9804	6.53
3E9780	7.18	0-15-150	3E9808	6.53
3E9781	10.78	0-250-750	3E9809	9.63
3E9782	10.29	0-15-60-	3E9810	9.14

D.	c.	M	LLIVOL	TMETER	3.5
3E9817	\$ 3	.75	0-50 M.V.	3E9821	\$ 2.94
3E9818	3	.75	0-150	3E9822	2.94

21/1	1. C. V	ane Typ	e Mete	rs
3 1/2"		331 2	" TYP	E 233
Stock Number	Your Price	RANGE	Stock	Your Price
21000		ILLIAMM		
3E9825		0-15 Mils.	3E9830)	
3E9826		0-25	3E9831	
3 E9827	\$3.75	0-50	3E9832	\$2.94
3E9828		0-250	3E9833	
3E9829		0-500	3E9834)	-
	A. C			
3E9835)		0-1 Amps.	[3E9842]	
3E9836	3 55	0-2	3E9843	2.94
3E9838	3.75	0-3	3E9844	4.74
3E9839		0-10	3E9846	
1		0-10	3E3040)	
3 E 9 8 4 0	\$ 4.47	0-25	3E9847	5 3.7
	A. C.	VOLTME	TERS	
3E9849)		0-1.5 Volts		
3E9850	\$3.75	0-3	3E9865	\$2.9
3E9851	43.13	0-5 0-10	3E9866	34.74
3 E 9832)		0-10	3E9867)	
3 E9853)		0-15	3E9868)	
3E9854	2 = -	0-25	3E9869	
3E9855	3.75	0-50	3E9870	2.94
3E9856)		0-100	3E9871)	
3E9857	\$ 4.55	0-150	3E9872	5 3.7
3E9858	5.39	0-300	3E9873	4.73
3E9859	7.18	0-500	3E9874	6.54
3E9860	8.26	0-750	3 E9875	7.51
3E9861	10.45	0-1000	3E9876	9.63
250000	7,52	0-7.5-15-		
3E9862				

D. C. RESISTANCE METERS
3E9823—Type 321. 0/1.5 volts. 0/1000 chms.
List, \$7.00. \$4.58
YOUR PRICE

Readrite Model 55 A. C. Meters

For 50 to 100 cycle Commercial A.C. circuits. Accurate within 5%. Requires 2%" mounting hole. Clamp maintains meter rigiding against panel from position in the rear. Readrite 5% A.C. meters are satisfactory for checking line voltage, amplifier tube filament current and voltage, current drain of radio sets, and refrigeration service work.



3C2787 0-25 3C2788 0-50 \$1.62

7 - 14	eters	11 0 - 161	A
oum	erers		A

Stock	Scale Volts	Your Price	Stock Number	Scale Amps.	Your Price
3C2778 3C2779 3C2780	0-4 0-6 0-10	.62	3C2792 3C2793 3C2794 3C2795	0-1 0-3 0-5 0-10	\$1.62
3C2781	0-15		3C2796	0-50	\$1.91
3C2782 3C2783 3C2784	0-150 0-300 0-600	\$2.65 3.23 3.82	Milli Stock Number	Scale	i <i>eters</i> Your Price
3C2785 3C2786	0-750 0-10-140	4.56 2.65	3C2787	0-25	\$1.62

Readrite Model 65 Flange

To Fit Model 55 Meters To Fit Model 55 Meters
Wide fiance 2% inches diameter. Fits over any type of
model 55 meter, converting it
into a fiange mounting model.
Three screw holes. Three 5%
long 4-38 screws with nuts included. Flange and screw heads
in matte black finish.

3C2799—List, Each 15c. YOUR PRICE.



Filament Meter

Very Special Value Oxidized Bronze Finish, flanged cases 2% in. diam. Mount 2-in. 3F2698-0-10 volts D.C. List, \$1.00. YOUR PRICE 29¢

Readrite D.C. Without Zero Adjustment

eadrite Model 55

Panel Meters With Zero Adjustment



Without	Zero	W Did	ood service tithin 5% is urposes exce ounting hole lamp inclu- crew connec DJUSTME? hich control	n both typt pecisic. White ded to litions with TYP is idle p	on engi	Suitable fineering. clack lette eter tight ing nuts screw n of meter	Requirering, metagain rear again in rear again a	e 2-5/64' etal shell st panel : ZERC on face		Wirs Adju	
Stock Num.	Your Price	Scale Volts	Ohms Resist,	Stock Num,			Vous	Scale M. A.	Ohms Resist,	Stock Number	Your
3 C 2735 3 C 2736	E00	0-3	30 175	3D7735 3D7736 3D7737	-	3C2766	\$1.32	0-5 0-10	2,160 700	3D7766 3D7767	\$1.47 1.32
3 C 2 7 3 7 (3 C 2 7 3 8)		0-6	550 410	3 D7738	730	302766	F0-	0-15 0-25 0-50	295 85 20	3D7768 3D7769 3D7770	73c
3C2739 3C2740 3C2741 3C2742		0-8 0-10 0-15 3-0-3	850 1,475 2,914 550	3D7739 3D7740 3D7741 3D7742	73c	3C2771) 3C2772)		0-100	3.3	3 D7771)	
3C2743	\$1.62	0-25	7,720	3 D7743	,	3C2773 3C2774 3C2775	5 70	0-200 0-300 0-400	1.9 .8 .5	3 D7773 3 D7774 3 D7775	73c
3C2745 3C2746 3C2747	.59 1.91	0-50 0-50 0-100	3,250 15,440 6,500	3D7745 3D7746 3D7747	.73	3C2776 3C2777		0-20-100 0-15-150		3D7776 3D7777	1.32 1.32
3C2748 3C2749		0-100 0-150	30,888 9,750	3D7748 3D7749	2.06	1	D. C		C. Ammeters Scale Stock Your		
3C2750 3C2751	1.91	0-150 0-300	46,320 92,640	3D7750 3D7751	2.06	Number	Price	Amps.		Number	Price
3C2752 3C2753 3C2754 3C2755	2.65 3.23	0-500 0-60-300 0-750 0-8-160	154,400 92,640 231,600 850/16,200	3D7752 3D7753 3D7754 3D7755	2.79		59c	0-1 0-3 0-5 0-1		3D7757 3D7758 3D7759 3D7760	73c
3C2756		0-20-60 300-600	180,000	307756		3 D2761 3 D2762 3 D2763 3 D2764 3 D2765	5 9 c	1-0-1 3-0-3 6-0-6 10-0-10 20-0-20		3 D7761 3 D7762 3 D7763 3 D7764 3 D7765	73c

Dependable Tube and Condenser Tester

With Large 41/2" Fan Type Meter



Tests all types of glass bulb and All-Metal Octal tubes without adapters. New laboratory fan type meter with knife edge pointer has English reading scale marked "Poor", "Doubfull" and "Good". Five sockets on panel. Extra points on switches for wiring in sockets to test future new tubes. Only three adjustments for tube quality test. Tests both plates of full-wave rectifiers. Line voltage adjustment meter.

Short and Leakage Test

Shorts or leakage between any tube elements are indicated on a sensitive neon lamp. A ten point switch makes possible individual tests of all tube elements. A special hot Cathode leakage test in addition to the "Neon" leakage test is provided. This test positively detects tubes that cause fading, noise, and either permanent or intermittent distortion.

Condenser and Resistance Tester Tests all paper, mica, and electrolytic condensers for capacity, leakages, shorts or opens. Capacity range .001 to .25 and .1 to 10 Mfd.; Resistance 100 to 10,000 to 100,000 ohms. Supplied with

Portable Model

charts.

The above model housed in leatherette covered combination counter and portable carrying case. Removable hinged cover. Space for tubes and tools. Size: 14x11½x7½".

3J2648—Model 305P. Completely

YOUR PRICE \$2401

3J2649—Complete kit of parts not wired, with carrying case. \$19.45



Dependable Model 403A Multitester

\$17.30

3J264 | - Model 305C Assembled and wired complete. Housed in sturdly constructed, fabricoid covered wood case. Etched metal sloping panel.
Size 14x9 1/4x8".

Counter Model Kit 3J2635—Model 305KC—Complete Kit of parts for constructing above tester.

YOUR PRICE

PRICE

A modern, low cost instrument for porta-ble service work and

\$2151



PRICE \$10.44

Muter Wheatstone Resistance Bridge



A portable Wheatstone Resistance Bridge for measurement of all resistances from .01 ohms to 11 megohms with a limit of error of approximately one percent. Rheostat has three decades with a total range of 11,100 ohms adjustable in ten steps. Ratio arms are controlled by a single switch providing decimal multipliers of 0.001, 0, 0, 0, 1, 1, 100. 1000. Uses a highly sensitive galvanometer which is fully protected against overload damage by a special circuit design. Meter has an internal resistance of 115 ohms with a sensitivity of 7 microamps. per division. Heavily plated silver whoing contact snap switches assure minimum resistance losses. Mounted in a hand rubbed Walnut Case with leather carrying handle. Size: 9%x8%z5½ inches. Weight, 6 pounds.

Dependable Multitester

Model 405A



An efficient unit for making measurements of voltages, currents, and resistances. Handy to have on the service bench where space does not permit larger equipment. The following ranges are provided: Volts, 0-2.5-25-125-750 D.C.; milliamperes, 0-25-125 D.C.; ohms, 0-100-100,000. 2½" meter has D'Arsonval moving coll and zero adjustment, accuracy 2%. Zero ohms adjustment is provided for battery deterioration. Self contained batterles. Switch makes change from low to high ohimmeter and milliampere ranges. All markings are plainly etched on black bakelite panel. Enclosed in black fabrikoid covered wood case. Size, 7½ xix3 inches. A good quality instrument suitable for ordinary service work where extreme accuracy is not required. A good service quired.

"Million" Neon Glow

Tube and Condenser Tester

3F2645-YOUR PRICE

\$**8**45



A low priced instrument which provides essential receiver testing and analyzing functions. Uses a sensitive neon glow indicator. Tests all tubes including the new octal Metal Envelope types by the cathode emission method. Requires only three simple adjustments of coded societ leads to make any test. Tube quality is accurately indicated by neon lamp when emission control is properly set. Positive indication of inter-element leakages and shorts up to 6 megohms.

Condenser and Resistance Tester

Condenser and Resistance Tester
Tests all paper and Mica condensers for shorts
and leakages and electrolytic condensers for leakage
and polarity. Has facilities for external leakage
and resistance tests up to 6 megohms with neon indicator. Measures resistance directly up to
10,000 ohms and to 6 megohms by comparative
neon lamp readings. Can be used as neon resistance indicator for coll alignment.

Line Adjustment

Transformer primary tapped for operation on any line voltage from 90-120 volts 50-60 cycle A.C. Rugged metal black crackle finished case. Very compact, only 7x7x3".

Dependable Analyzer



Model 501-P

Tests Standard Glass and Octal

3J2637 - Wired

Your Price. \$ 1 122

312638-Kit of Your \$9.06

Price. . Your Provided the provided and provided and provided analysis. Selector switches make circuit connections. Free reference point analysis of voltages and resistances can be made between any two tube elements. Jacks on instrument panel for current measurements. Ten wire analyzer cable and extra points on switches permit future alterations. Complete with separate Gnd. wire, analyzer cable and connector and 5 "Sure-Pull-Out" adapter plugs. Portable leatherette case. Size: 8%x8%x14%".

Dependable Analyzer

Model 6416



Up-to-date system of analysis for all tube circuits including new octal tubes. Analyzer consists of model 501-P Analyzer until tisted above and an improved multi-tester employing a large 3½" D'Arsonval moving coil meter. 500 micro-ampere movement with 2% accuracy. Ranses are D.C. volts; 0-5-0-250-750 at 2000 ohms per rolt; A.C. volts; 0-5-750; D.C.-M.A., 0-5-50-250; Ohms; 0-2000; 0-200,000, Self contained batteries. Shunts and multipliers are of 1% accuracy. Future atterations provided for. Portable leatherette case. Size: 15x5½x5".

Assembled and Wired Complete
3J2633—Complete with all plugs, adapters, test leads and batteries.

\$ 2837 YOUR PRICE Kit of Parts and Carrying Case

3J2634—Complete kit of parts, not wired, for constructing above model. Less batteries. \$24.01

Meter Repair







AFTER

BEFORE

Guaranteed Precision Meter Repair Service for burned out or mechanically damaged meters.

Erratic movements corrected. Any make, any range of A.C. or D.C. movement may be repaired in our special Instrument Laboratory. Typical rates given below, on special sizes send meter for quote. Send Prepaid. We return Collect.

1. Burned out or open armatures of standard 301 type 3¼" meters, including polishing of jewels, position correction, three point calibration.

YOUR COST. \$3.75

2. Repair of Sluggish or Erratic movement of A.C. or D.C. meter where armature is not burned or shorted, includes cleaning and calibration.

tion.

YOUR COST

3. Replacement of cracked or broken Glass in addition to any of the other services, add to cost of other services

The prices above are only for the replacement of parts specified as being supplied in each repair service. Any additional parts required, such as pointers, springs, zero adjuster, Jewel screws, case, etc., will be charged for at the lowest prices.

New Philco Model 088 All-Wave Signal Generator



3F2632-With tube, less batteries. All necessary cables and Instructions included.

Battery Operated

A completely self-contained, and portable All-Wave oscillator for aligning i.f. and r.f. circuits in all types of receivers. Generates fundamental frequencies from 110 to 20.000 kilocycles. No harmonics. Five overlapping wave bands give continuous coverage. All frequencies are clearly marked on the full vision scales in large easy to read numerals. No charts, graphs or curves to bother with. A 5 to 1 ratio smooth ball bearing vernier control drive permits accurate settings. Plainly marked range selector switch on front panel. The electron coupled circuit employes one type IC6 dual purpose tube. One section of the tube produces a 400 cycle note which modulates the r.f. oscillator. Two binding posts are provided for the output circuit which is attenuated by a smooth control of the potentiometer type. Coils are individually adjusted with non-drift paiders which provides precision calibration. Batteries required are 1-22½ volt "B" and 1-4½ volt "C". Entire assembly is housed in a black crackle finished metal case. Satin finished, chromium plated panel. Extremely attractive appearance. Will produce a precision of alignment on any type Radio receiver. Sizo: 10"x6% "x6" wide.

DAYRAD Model 58 Universal Radio Set Tester

Point to Point with Socket Analysis

New set tester suitable for all requirements of point to point tests, plus additional feature of receiver circuit analysis at tube socket. Simplified circuit climinates selector switch method. All "point to point" tests are made at the analyzer in tlp jacks on panel. Incorporates grid shift tube test for all tubes. Completely analyzes standard glass tube, all-metal tube and octal "G" tube circuits. Latest R.M.A. tube socket numbers and data used with this unit. Spare socket holes and tip jacks provides flexibility for any future alteration. Large 4" square Universal Meter, has 31/4" scale, 1000 ohms per volt, D'Arsonval movement, and zero adjustment. Scale calibrated with multi-purpose scale readings of 0-3000 ohms, and 0-5, 0-25, 0-125 for casier reading of voltages and currents.

4" Universal Meter Ranges

Batteries for all



3,12540—Complete with analyzer plug and all adapters, test prods, output leads, and batteries.

675 YOUR PRICE

DAYRAD Model 36 All

A.C.-D.C. volts, 0-5-25-125-500-1250; D.C. M.A., 0-5-25-125-500-1250; Ohms 0-3000; 0-30,-000; 0-3000; 0-3 megodims. Full scafe adjustment for battery deterioration. Batteries for all ohimmeter ranges are self contained. A.C. Ranges cover complete output requirements. Rotary Switch on panel provides rapid change from D.C. to A.C. readings. Black leatherette case with removable hinged cover. Size; 12x11x5½". Weight 13 lbs.



3J2541 Complete with tubes, shielded output leads and two insulated alligator test leads.

leads and two insulated alligator test leads.

YOUR
PRICE

Sall

Extremely wide range, 60kC to 60 Mc, all on fundamentals. Six overlapping hands. Ideal for building and testing "Trans-Ceivers" and all wave receivers. These section attenuator controls botl "Low" and "High" outputs, calibrated 0-10. 490 cycle note available for inodulation and other audio applications. Uses three high efficiency tubes: 1-606 and 2-33"s. For operation from 110 voit 60 cycle A.C. lines. On-Off switch on front panel.

Direct Reading Dial

Full vision direct reading dial has 38" scale (six divisions) with 6-1 drive ratio. Fine knife edge pointer. Dial calibrated 60-190 Ke, 160-550 Ke, 500 1700 Ke, 1.5-5 me, 4.5-18 me, 17-62 me. Rotary type selector switch.

Built-In Output Indicator

Neon type output inilicator provides sensitive means of output comparison. Adjust output control for minimum glow then align radlo for maximum glow. Control provided on panel.

Effective Shielding
Cast aluminum case with individual compartments provides utmost in shielding Removable back.
T-ansformer isolates oscillator from Nower lines, thus eliminating R.F. line leaked. Aboute minimum signal possible. Black crystal finished case. Etched bakelite panels. Carrying handle. Controls plainly marked. Size: 10x7x4½".

DAYRAD Model 20 Tri-Test Tube Tester



3J2542-For operation on 100 to 130 volt 50-60 cycle operation. YOUR PRICE\$3111

New "Index" Locator

Buill-in Rotary Index that quickly indicates
settings of the three controls for testing each type
of tube. Index wheel is turned to tube type number desired and control settings are listed opposite,
index chart is illuminated. Blank spaces provided
for writing in any new future tube type numbers
with control settings.

with control settings.

Large Scale Meter

Large 4" square, D'Arsonval Movement Meter has zero adjustment and 3\(^n\) scale calibrated Good-Bad, 0-d0 voits D.C., and 0-d0,000 ohns, utilizing it as a voltmeter and ohmmeter (4\(^1\)2. V. battery required). Tests resistors, pilot lights, condensers, etc. Zero ohms adjustment. Tip Jacks on front panel for connections. Open taps on selector switches and space on panel for additional tube sockets permits future alterations. Line voltage adjustment. Walnut case with removable cover. Size: 12x11x5\(^1\)2. voltage adjustment. W. cover. Size: 12x11x5½

Volt-Ohm-Milliampere **Foundation Meter**



Weston Model 301

—For Custom
Built Testers 3D9409. List Price, \$10.00. YOUR PRICE

\$7.35

Designed expressly for

Designed expressly for use with external resistors and shunts, to voits up to 1000 voits (1000 ohms per voit external resistors and shunts, to voits up to 1000 voits (1000 ohms per voit external resistors required for this purpose) or D. C. milliamperes up to 100 mils (using an external 50 M.V. shunt—Van Model 3E4891, tapped at 5-25-100 mils), and ohms up to 100,000, (in conjunction with a 4½ voit battery and a 4450 ohm resistor).

1 Milliampere Full Scale Deflection when used without external resistors or shunts. Internal resistance of meter, 50 ohms (50 Millivolts).

Bakelite case, zero adjuster, etched metal dial with black figures on allver background. 50 scale divisions with figures at each 10 divisions. Figures at full scale are 50-250-1000, for use on wolt ranges. Divide by 10 for use on milliampere ranges. Top ohm scale graduated in 100 ohm steps to 2000, 5000 ohm steps to 10,000, 1000 ohm steps to 2000, 5000 ohm steps to 60,000, the next divisions being 100,000 and infinity.

Black bakelite case has front flange 3%" diameter. Case body diameter 2%". Case depth back of flange, 1", with screws 1%". Only two binding posts with proper polarity marking.

New THORDARSON



Build your own portable, professional type condenser analyzer. Measures condenser capacity and determines condenser quality. Also indicates condenser leakages, shorts, and open circuits. Measures transformer ratios, line and voice cell impedance. Accurate Wheatstone Bridge measuring circuit. Sensitive Neon Glow lamp leakage indicator. Four capacity measuring ranges: 0.001 to 0.05 mfd. .01 to 5 mfd. and 1.0 to 50 mfd. and 1.0 to 50 mfd. which is secured from receiver "B" supply or separate power unit. Voltage thru neon builb and high impedance choke automatically polarizes condenser. Headphones or Output meter may be used to determine the minimum hum position that designates balance point of the capacity bridge. of the capacity bridge.

Foundation Kit

3F2624—Thordarson Foundation Kit Consisting of a solid Walnut portable carrying case, Etched and Drilled Panel with an accurately calibrated capacity and ratio scale, matched panel mounting screws, instructions and assembly\$2.65

Kits of Essential Parts

helow are required and can be purchased separately or in complete kit form.

Frank of the Foundation Unit the parts listed below are required and can be purchased separately or in complete kit form.

Frank of the following of t specified above....

Aerovox Condenser Kit

List Price, \$5.75.
YOUR PRICE \$3.22

1936 Improved Cathode-Ray Equipment

Clough-Brengle Improved Model CRA Oscillograph



Many new features have been added to this very popular model which is now used by hundreds of servicemen, the U.S. Army and Navy etc. 312613—Cathode-Ray Os-cillograph complete with all tubes including 3-inch Cath-ode-Ray tube.

VOLLE PRICE

Cathode-ray equipment has proren its value to the serviceman. Modern high fidelity receivers with variable selectivity, more complicated A.V.C. this and the increasing use of dual function tubes demand new and more scientific

use of dual function tubes demand new and more scientific methods.

For Service Engineers now, backed by the new Clough-Brengle "Cathode-Ray Servicing Manual" which brings you the complete procedure for not only receiver align when the procedure for not only receiver align ment, but also the newly developed methods of tube, with rator, condenser testingment, but also the newly developed methods of tube. The procedure for not only receiver alignment, which brings and the newly developed methods of tube. The procedure for not only receiver alignment, but also the newly developed methods of tube. The procedure for not only receiver alignment, but also the newly developed methods of tube. The procedure for the application, and for seven the procedure specifically amplifier, vertical amplifier, and complete power supply for the 3-inch Cathode-ray tube. This improved series has all operating controls mounted on the front panel carries added designations that greatly simplify operation. Contents provide for adjustment of sweep frequency, beam focus, brilliancy and centering, horizontal and vertical amplification, and for lock-in to secure stationary image. Tubes furnished are one type 906 Cathode-ray tube, one type 57, one type 2.45, one type 885, one type 806 cathode-ray tube, one type 57, one type 2.45, one type 885, one type 80 and one type 81. Dimensions: 14" high, 8" wide and 18" deep.

Clough-Brengle Model OM Frequency Modulated Signal Generator



3J2614-\$5660 PRICE ...

Specially developed for producing receiver selectivity eurves, accurately calibrated in kilocycles width, when used with any standard ostellograph. May also be used as a standard osellator for ordinary alignment procedure. Essentially similar to the Model OC described in detail on the opposite page, with the addition of the exclusive "fixed-sweep" frequency modulator circuit which gives

addition of the exclusive "fixed-sweep" frequency modulation of the exclusive with which gives it the necessary wabble or scanning action of the r.f. output for use with a Cathode-ray socilloscope. A built-in 670 k.c. oscillator, which is wabbled (when which will and minus 15 k.c. the variable from 100 k.c. to 30 mc. which will always have a uniform frequency modulation of plus and minus 15 k.c. this makes possible ester frequencies variable from 100 k.c. to 30 mc. which will always have a uniform frequency modulation of plus and minus 15 k.c. this makes possible accurate calibration of the resultant receiver selectivity curve which is formed on the Cathode-ray oscilloscope. Each instrument furnished with 11x1" hand calibrated chart, with a guaranteed accuracy of ½ of 1%. Ready reference chart at top of instrument contains settings for over ninety test frequencies. Suppled complete with built-in motor driven modulator and all necessary tubes, three 76s, one 6Af, and one 80, all of which are aced and laboratory testes. For 110 v. 60 cycle a.c. operation only. Dimensions: 9" high, 11%" wide and 12%" deep. Shipping wit. 32 lbs.

Clough-Brengle Model 81 Calibrated Frequency Modulator



3J2611-Complete with YOUR PRICE .. \$33.57

Converts any oscillator for use with any standard Cathode-ray oscillograph. Requires no alterations to the oscillator. Simply connect the oscillator output to the Model 81, and the Model 81 frequency modulated output to the receiver. Embodies the same calibrated sweep feature described above for the bodies the same carbovate award feature described above for the Model OM. Furnished complete for 110 v. 60 cycle operation. Uses one 76, one 6A7 and one 80 tubes. Dimensions: 11½" wide, 8" deep and 8½" high. Shipping wt. 20 lbs.

RCA Model TWV-122B Cathode Ray Oscillograph



For measuring hum and checking distortion in audio amplifiers, monitoring percentage modulation, checking modulated waveform for distortion and examining the phase shift for distortion and examining the phase shift in audio amplifiers are but a few of the problems which are easily solved through the use of the RCA Cathode Ray Oscillograph. A Visual presentation of practically all alternating eurrent circuit functions may be quickly and easily made. Visual alignment of r.f. and i.f. circuits and "flat-topping" of i.f. circuits can be accomplished by using this unit with the Model TMV-128-A RCA Frequency Modulator and RCA TMV-97-C oscillator or any good oscillator equipped with necessary connections. with necessary connections,

3J2504-Complete with All Tubes.

YOUR PRICE \$8450

RCA Piezo-Electric Calibrator

3J2506 Code 9572 Complete with crystal, tube and\$29.95 YOUR PRICE

Checks frequencies from 100 kc. to 20,000 kc. in 100 kc. steps, and from 1000 kc, to 50,000 kc. in 1000 kc. steps. Calibrator provides two fundamentals, 100 and 1000 kc. Calibrator provides two fundamentals, 100 and 1000 Ke, and a careles of strong harmonics. A properly ground and accurately calibrated crystal maintains its frequency more accurately than any other known device. Each calibrator supplied with individual crystal calibration showing temperature at which made. This makes possible the most accurate work in radio service, testing and design work.



RCA Universal A. C. Bridge



3J2507-Code 9600. YOUR PRICE\$4965

Quiskly and accurately measures Inductance (100 Microhenries to 10 Henries); Capacity (10 Microhenries); Capacity

RCA Testing Equipment

can promptly supply all RCA test apparatus at the lowest dealer Complete information covering any RCA item will be sent upon Radolek is the distributor for all prominent manufacturers. Radolek can

TRIUMPH Model 420 Tube Tester



Will give complete test of all present day tubes and has provisions for future tubes.

Accurately tests all types of tubes—glass, metal and meta-glass tubes. The circuit employed has been developed to conform with the recently pro-posed standards for tube testing by the Tube Standards Com-mittee of the Radio Manufac-turers' Association. A new mittee of the Radio Manufacturers' Association. A new triple load test. A separate load resistance is used for each tube group, covering the Normal or general purpose tube, the Rattery or "2 voit" group and the Dlodes. Faulty cathode structure is positively disclosed. Each element is selectively tested and a neon high sensitivity leakage test made while the tube is Hot.

For 90 to 135 Volts 50-60 Cycle A.C. Operation

3J2526-

Dual Purpose Case

Housed in a solid wainut cabinet. Can be used as either a counter type or portable cheeker. Supplied with a snap-on dust-proof wainut cover. Eiched two-tone sloping test panel colored in tory and black. Dimensions: 12½" x 7¾" x 10¾".

Only Five Sockets

One each for four, five, six, large and small seven, and octal tubes. All tests on any tube are made in only one socket. Only three simple adjustments for making all tests, including tests on all combination and double tubes. All test circuits are isolated from the power line. Line voltage adjustment.

Radolek can supply the com-plete line of Triumph Test Equipment at lowest prices, Write us for literature and prices on any Instrument in which you are interested.

Clough-Brengle *PROFESSIONAL* Service Instruments



Continuously Variable 60 k. c. to 60 m. c.

All on Fundamentals No Harmonics

- A.C.-D.C. Operation Guaranteed Accura-
- cy 1/2 of 1%

312616—Model OC Oscillator complete with tubes and hand drawn calibration curve.

YNIIR

25-INCH TUNING DIAL—Each of the six frequency bands 12 spread over a length of 25 inches by the dual acting band-spread dial employed in this

INSTRUMENT HAND CALL-EACH INSTRUMENT HAND CALI-BRATED—In the C-B Standardization laboratory, and a 11x17" calibration curve drawn. In addition, over ninety commonly used test frequencies are shown in the ready-reference chart mounted on the top of the instrument

wide output voltage range —starts at 2 Volts and by means of dual attenuators, may be reduced to a fraction of a microvolt, tar less than the input sensitivity of the best re-

MODULATED or UNWODULATED R.F. and 400 CYCLE AUDIO OUT-PUTS— over every need for receiver alignment as recommended by various manufacturers.

FREQUENCY STABILITY and NO LINE FEEDBACK—are assured by the use of a unique development of the electron-coupled circuit and a

triple capacity and inductance filtering

system.

ADAPTABLE FOR CATHODE-RAY
OSCILLOGRAPH—without any alterations when used in conjunction
with the Model 81 Fixed-Sweep Frequency Modulator described on the

adjacent page.
CONTROLS—on front panel across the top row are frequency setting and band selector knobs. Across lower row, are 110-volt line and modulation On-off switches, jacks for 400 cycle audio output and external audio modulation, and dual output attenua-

tors.

POWER SUPPLY—operates from any 110-volt line of any frequency alternating current or direct current. Adapter cord available for 220 volt. §2,40 net additional.

Adapter cord available for 220 volt, \$2.40 net additional. TUBES—furnished complete with one type '36 electron-coupled oscillator, one type '37 rectifier. All tubes are aged and tested in the C-B laboratory, DIMENSIONS—10%" long, 7%" high and 5%" deep, Shipping wt. 12½ lbs.

Model 82 All-Wave Signal Generator



Direct Reading

■ Large 8½" Scale Battery Operated

3J2615-Complete with two tubes but less batterles.

YOUR \$1951 3J67—Set of batteries for above PRICE 92¢

Combines features of many oscillators selling at far higher prices. An unusual value.

. WAVE CONTINUOUSLY

ALL.WAVE CONTINUOUSLY
VARIABLE—covers from 90 kc. to 20
m.c. all on fundamental frequencies,
Strong second and third harmonics allow use down to ultra short waves.
"BAND-SPREAD" TUNING SECURED BY USE OF SIX RANGES
—assures ample spacing of all frequencles for accurate setting, an invaluable feature on superheterodyne
alignment.

GUARANTEED STABILITY—ea D ACCURACY and each Model 82 is STABILITY—cach Model 82 is checked against crystal controlled os-cillators and a frequency accuracy of 3% guaranteed. The circuit employed, with separate radio and audio generator stages, is free from frequency shift due to output attensation or bat-

OTHER FEATURES—such as, constant impedance ladder type attenuator, pre-calibrated coils, triple shelding of r.f. circuits—make this instrument an outstanding value. CONTROLS—main tuning control is in center of front panel. Switches on either side control tube filaments and audio modulation. Wave-change switch, ladder-type attenuator and intercolating control are arranged as switch, ladder-type attenuator a interpolating control are arranged cross the lower section of the fi

panel.
TUBES—supplied with two type '30
laboratory tested tubes.
BATTERIES—requires one 22½-volt C for plates and one 4½-volt C for

filaments.
DIMENSIONS—8"
and 61/4" deep. S
lbs. ONS-8" high, 10" long deep. Shipping wt. 121/4

Cathode-Ray Testing and Analysis



by Kendall Clough

YOUR PRICE 25¢

Twenty-four pages of practical information on Cathode-Ray application to radio service, engineering and transmitting problems. Contains over 60 illustrations and wave shape diagrams. Shows you how to correctly align receivers with the Oscilloscope. The alignment of the newest receivers with variable high fidelity and selectivity is fully covered.

NOTE: This book provided without cost to purchasers of any Clough-Brengle Instrument,

Model OC All-Wave Signal Generator | C-B Instruments for the Sound Man



Beat-Note Audio Oscillator

MODEL 79—Beat note audio oscillator, continuously variable from 50 to 10,000 cycles. Output from 50 to 10,000 cycles. Output voltage level across entire frequency range within two decibels. Low distortion content. Output 27 volts at 5000 ohms. Has built-in amplifier, vacuum-tube voltmeter to indicate zero-beat and output level, and power supply for operation from 110 v., 60 cycle line. 312612—Complete with tubes.

beat indicator. Used by leading lab-oratories, broadcasting stations and telegraph companies the world over.

3J2610-YOUR PRICE \$109.26

Model UD Decibel Meter [Power Level]

Portable power level indicator of the improved constant impedance type for measuring the power level in an audio line, amplifier output type for measuring the power level in an audio line, ampiller output or for monitoring visually in theatre, broadcasting and recording work. Large three and one-half inch meter scale is hand calibrated directly in decibels. Constant impedance attenuator adds in steps of three decibels. Total range with attenuator, from minus 12 to plus 40 decibels. Complete in shielded metal carrying case, with built-in attenuator, 3126f9970UR PRICE



Model 85 Improved UNIMETER



A low cost point-to-point analyzer and all-purpose component tester.

component tester.

312620—Complete with battery.

YOUR

PRICE

This new C-B Instrument features new compact size
plus a larger fan-type meter having a 4-inch scale.

D'Arsonval movement meter. Zero adjustment. Knife

D'Arsonvai movement metei. Zeto substantiale edge pointer.

SCALES—separate scales for A.C., D.C. and OHMS readings are provided. A selector switch makes available the following ranges: 0-15-150-750 Volts D.C.; 0-1.5-15-15-150 MA, D.C.; 0-15-150-750 Volts D.C.; and 0-100, 0-20,000, 0-2,000,000 ohms. The 0-100 ohms scale is of the shunt type greatly reducing battery drain and allowing the reading of values down to ½ ohm.

reducing Dates of the state of

RECEIVER OUTPUT MEASUREMENT—terminal posts for inserting a conclenser in the A.C. voltage ranges to block out the direct current. EQUIPMENT—furnished complete with battery and pair of test prods and leads, one prod having a removable alligator elip. Black crackled finished heads, one prod having a removable alligator elip. metal case,

DIMENSIONS—8¾" high, 5" wide and 4¾" deep.

Shipping wt. 8 lbs.

How to Use Cathode-Ray **Equipment in Every** Servicing Problem

Published by Clough-Brengle Co.

Here is another great contribution to the progress of radio service engineering. This big volume of protein information has just been prepared by Cloude-Brence engineers in conception with F. L. Sprayberry, famed author of "The Practical Mechanics of Radio." Chapters cover the alignment of all types of radio sets, amplifier overload, component parts testing, and vibrator testing with the Cathode-Ray Oscilloscope. Supplied FikeE to Radolek customers with either the Model OM or Model 81, and with the Model CRA Oscillograph.



RADOLEK is First with new C-B Instruments

Every new engineering development of the Clough-Brengle laboratories is immediately available for shipment from the RADOLEK stock. In addition to the many instruments listed on these pages, we will gladly supply you at

C-B Instruments Available On Time Payment Plan

Now you can completely equip your whop with money making modern test model numbers of the instrument you desire to purchase and we will send Clough-Brengle Cathode-Ray Servieer. you complete information.

SUPREME INSTRUMENTS New Low Money-Saving Prices

Supreme 385 Automatic Analyzer and Tube Tester The Professional Radioman's Test Laboratory

An Up-to-date analyzer with the flexible "Free Reference Point System" of analysis for all tube circuits, including all

of the new 8-pin metal tubes.

An English-Reading Tube Tester which tests all tubes (without adapters and including all of the new metal tubes) under approximate load conditions.
"Neonized Tester" for detecting

for detecting any and all tube element leakages

Electrostatic Capacitor Leakage Tester, utilizing the

special Supreme "neonized" circuit.

An English-Reading Electrolytic Capacitor Leakage Tester.

A capacitor Tester for measuring the capacity of electro-

static and electrolytic capacitors.

Provides every electrical meas- tubes. It urement required in radio servicing.

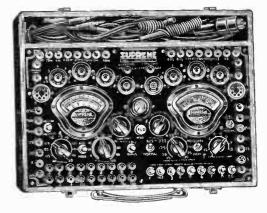
The sensitive 5-inch fan-shaped d'Arsonval meters are made to provide (1) six D.C. potential measuring ranges of 0/5/25/125/250/500/1250 volts D.C., (2) 9/5/25/125/250/500/1250 volts D.C. (2) six A.C. potential-measuring ranges of 0/5/25/125/250/500/1250 volts A.C. (3) six current-measuring ranges of 0/5/25/125/250/500/1250 milliamperes. D.C. six capacity-measuring ranges of 0/05/0.25/1.25/2.5/5.0/12.5 midis., and (4) resistance-measuring ranges of 0/005/2000/2000/2000/20 Meg./20 Meg. 2000/20.000/2000/20 Meg./20 Meg. chms; the four lower ranges of the ohmmeter are powered by a self-contained flashlight battery, and the two higher, or 0/2/20-megohm ranges, are powered with a self-contained miniature "power pack." One of the meters is, also, provided with a self-contained miniature "power pack." One of the meters is, also, provided with an English-reading colored tube testing scale, and a new English-reading electrolytic capacitor leakage scale, so that electrolytic capacitors can be tested for "GOOD" or "BAD" leakage characteristics in the same manner as that which has heretofore been practiced for testing

tubes. It is obvious to the professional radioman who uses one of these compactly-designed testers that he has, in two meters, the equivalent of six (6) single-range D.C. milliammeters. six (6) single-range D.C. milliammeters. six (6) single-range one of the six (6) single-range capacity meters. six (6) single-range capacity meters. six (6) single-range capacity meters. six (6) single-range nameters, one (1) English reading tube testing meters, and one (1) English-reading electrolytic capacitor leakage meter, or a total equivalent of thirty-two (32) single range meters in a compact "uni-constructed" tester.

All meter ranges are selected by convenient, plainly marked rotary tap switches on the instrument panel. Each range may also be obtained by inserting test leads in proper tip jacks on panel for continuity tests if desired. Requires only three simple adjustments to test any type tube. Push buttons on panel provide inter-element tube leakage tests when pressed! Meter and Rectifier all fully protected by a special circuit design. Rectifier replacements practically unknown. It is obvious to the professional an who uses one of these com-designed testers that he has,

163". Complete accessories are supplied including analyzer adapters, eight conductor cable and plug, test leads, complete operating instructions. Case has removeable cover. removeable cover.

Designed for 95-125 volt 60 cycle A.C. operation with line adjustment on meter for accurate measurements.

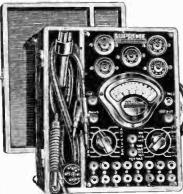


Furnished in rugged quartered oak case with carrying handle for portable use. Very compact, only 47%"x13%"x 16%". Complete accessories are supplied

3F2567-Model 385 Automatic, Complete.

VALIR PRICE....

Supreme 339 Standard Analyzer



Analyzes and checks all circuits of any radio receiver. Large 5" Laboratory type meter has A.C. and D.C. voltage ranges of 0/5/125/500/1250 volts at 1000 ohms per volt, D.C. current ranges of 0/5/125 M.A. and two resistance ranges of 0/2000/200,000 ohms. All A.C. voltage ranges are available for output circuit measurements, without adapters. Meter has large figures and plainly marked scales for ease in reading. All meter ranges are selected by a single 3 point 12 position rotary switch. Has Supreme's exclusive "Free Reference Point" System of Analysis providing complete flexibility of analyzer circuit and practically eliminates possibility of obsolescence. All voltage, current, and resistance measurements are made directly from the receiver tube sockets. An 8 conductor cable and plug are provided, with adapters, for plugging into the sockets eliminating the necessity of removing the Chassis from the cabinet. Designed for use with any circuit including those employing the new Octal metal (steel) tubes. Supplied with complete associate equipment including test leads, cable, adapters, instructions and Free Reference Point Charts. Quartered Oak carrying case, size 11½x10x1½ 13F2557—

inches. 3F2557— Supreme 339 Standard Analy-YOUR PRICE

Supreme 89 Standard Tube Tester



A New, High Quality, Low Priced tube tester that really sells tubes! Plainly shows your customer the actual condition of his tub in terms of "Good" on the large 5" Fan type English Reading meter. Tests a resisting radio tubes under actual operating conditions, including the new All-metal types. Circuit is designed to guard against obsolescence as new titles are developed Each tube is "double-checked" by the famous Supreme Neonized Leakage tand quality tests of this pass both the leakage and quality tests of this rester unless it will perform satisfactorily in a radio receiver. Requires only three simile adjustments to test any tube type. Has only 5 sockets and requires no adopters. Line Voltage adjustment for accurate tests provided by (apped transformer primary adjustment tetween 98-125 volts, 60 cycle A.C. Supplied in a handsome, sturdily constructed Quartered Oak case size 11½x 5½ with leather carrying handle for portable use. Eurnished with full intructions and complete tube chart. A low priced instrument sales.

3F2555—Supreme Model 89

3F2555—Supreme Model 89
Standard Tube Tester Complete, with instructions.
YOUR PRICE

New Supreme 189 Signal Generator



90 Kilocycles to 30 Megacycles

This new completely A.C. operated Signal Generator enables the user to align perfectly the most complex All Wave receivers. The tube circuit is electron-coupled, producing a strong, perfectly steady signal on all frequencies, from 90 Kilocycles to 30 Megacycles. Incorporates actual R.F. attenuation of Generator's signals as compared to audio frequency attenuation which is only variation of modulation from 0% to maximum %. Each instrument is individually calibrated, insuring precision circuit adjustments. Has self-contained 400 cycle beat oscillator capable of modulating radio frequency signal 50%. Entirely A.C. operated, 98-125 volt 60 cycle.

Direct Reading Dial Easy to operate. Only 4 controls.

Easy to operate. Unity 4 controls.

A large Full Vision, Direct Reading 4", 10 to 1 ratio Airpiane Dial with plainly marked divisions, entirely free from backlash, permits any frequency to be accurately located with ease. No charts or tables to refer to, Also has Band Selector and ladder attenuator scale approximately calibrated in micro-volts for effective control of the output and four position attenuator multiplier switch of 0-1/10/100/1000 microvolts. Completely shielded in metal case with convenient carrying handle for portable use. Power supply adequately filtered.

372.55.50—

3F2550— Complete with one type 36 \$ and two type 37 tubes. YOUR PRICE

EMEINSTRUMEN Engineering D

Model 89 DeLuxe Tube Checker and Tester



3F2552—Supreme Model 89 DeLuxe Tube Tester Complete with operating instructions

YOUR PRICE

(1) Tube Quality Checker (2) Tube Leakage and Short Tester (3) Electrolytic Condenser Analyzer

The Quality Tester

The Quality Tester

Accurately checks all tubes including the new 8 prong (octal) metal (steel) types, using only 5 sockets. Requires no adapters. Circuit design permits all tubes to be tested under actual operating load conditions. Indicates whether tube is "Good". "Bad", or "Doubful" on the large scale of the 5" English Rending "Fan" type meter. Only 3 simple adjustments are necessary for tube checking.

Neon Tube Leakage Tester

Neon Tube Leakage Tester
In addition to the quality test, each tube is checked for inter-element leakages and shorts. Neon lamp indicator detects leakages and shorts between all tube elements up to 100,000 ohms. Intermittent shorts are definitely detected. No tube can pass both the quality and leakage tests of the checker unless it will perform satisfactorily in a radio receiver.

Condenser Analyzer

An English Iteading condenser analyzer accurately and positively classifies all electrolytic condensers as either "Good" or "Bad". Also has a Neon condenser tester for determining leakage or shorts up to 100,000 chms in all paper, Mica and oil

(4) Paper Mica Cond. Checker (5) Multi-Range D.C. Voltmeter (6) Multi-Range Ohmmeter

Multi-Range Meter

Multi-Range Meter
Provides point-to-point resistance and D.C.
voltage measurements of the receiver circuit. Plainly marked pin jacks on instrument panel for inserting test leads. Voltage ranges 0-5-125-500-1250 D.C. volts.
Itesistance ranges 0-2000-200,000-200,000
ohms and 0-2-20 megohms. All ohms and
megohms ranges are energized by the selfcontained power supply.

contained power supply.

Easy To Operate

A range selector switch is provided for changing from one testing function to another in only one simple operation. Push buttons on panel alter circuit of tester to secure shorts and leakage tests between all tube elements when depressed. A ten step line voltage switch provides for adjustment of transformer primary from 95-125 volts 60 cycle A.C., so that accurate resistance and capacity measurements are secured on any line voltage. Bakelite Panel. Clear silvered captions. Entire unit is contained in a handsome quartered White Oak carrying case size 12%x11\[\frac{1}{2} \) inches. Compartment for line cord and other accessories is provided. Chart giving switch settings for each tube is mounted on the inside of the cover.

Supreme

A newly developed instrument for the advanced Serviceman who is also a P.A. and Sound Specialist.

Has many added features that provide for all tests required in servicing any Radio Receiver Chassis or P.A. Amplifier System.

With this Instrument you can earn additional Income by doing service work on P.A. Systems and Theatre Talkie Equipment Including Sound on Film types.

Measures all voltages, currents, resistances, capacitles and audio levels (calibrated in B.B.'s) directly from tube scekets through flexible cable and analyzer plug or through external connections by flexible test leads. Also provides cheek of tube quality including new metal "octal" types by comparative plate current-grid shift method, directly at chassis. Also measures Photo-Cell and Erciter lamp currents.

Multi-Range Meter

Easy to Operate

Rotary switches on panel enable selection of any meter range or function, or any circuit, by simple operation. All functions plainly marked so as to eliminate confu-

Many Special Features

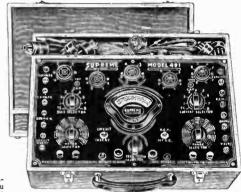
Incorporates new "riphon type" 0-4.5-45.0-volt battery which is extremely compact for resistance neasurements and for "grid shift" tube tests from operative radios. Self-contained power unit operates capacitor checker from 110/120-volt power supply system. Capa-sity-measuring functions protected against short-circuited capacitors by means of resistance circuits which allimate use of esistive circuits which eliminate use

Complete Accessories

Supplied with set of analyzer socket adapters, Supplied With set of analyzer socket adapters, pair of 4-ft, test leads, and pair of 27" test leads with insulated alligator test clips for capacity measurements. Large comparements back of panel provides ample space for carrying special adapters required for large tubes (bottles) used in some public address systems. Housed in hardwood carrying case with removable cover.

Service P. A. and Sound Equipment

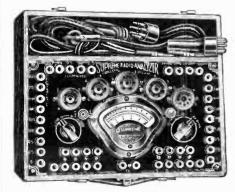
Service P. A. and Sound Equipment
Because of its many additional testing and analyzing functions, this instrument will help you
make more money through the extra installing
and servicing lobs of sound and P.A. apparatus,
it will enable you to do. This new, profitable
field is open to Servicemen with adequate, aecurate analyzing equipment, such as this. Be
one of the first to realize these additional profits.



3J2553-DeLuxe A -Supreme 491 Analyzer

YOUR PRICE

Supreme 339 Deluxe Radio and Tube Analyzer You Can Make More Money with This New Instrument



Ou Can Make More Money with This New Institution of the time of the conductor analyzer cable, plugged into the receiver sockets. Tests made without removing chassis from the cabinet. Test leads may be inserted into tip jacks on panel for continuity tests if desired. Has five sockets. Tests all tubes including the new 8 prong Octal metal (steel) types, direct from the receiver socket Flexible (Free References) point system of analysis is used by which the receiver chassis, or any element of the tube acts as a reference point for all measurements.

Checks All Circuits

Large "Labratory" 5" fan type meter has direct reading ranges for checking any circuit in the receiver. Both A. C. and D.C. ranges of 0-5-25-125-250-550-1250 M.A. Capacity ranges of 0-0.005-0.251.25-25-5.00-1250 M.A. Capacity ranges of 0-0.005-0.251.25-25-5.012.5 Mids. (for measuring both paper and electrolytic condensers), five resistance ranges of 0-2.000-20.000-20.000 and 0-2-20 megohms. up your service work

Buth resistance and capacity ranges are
energized by a separate built in A.C.
operated power supply. Circuit is designed
so that meter and reetilier are protected
against damage due to overload of current
or voltage. Makes tube cheeks by comparative plate current-grid shift method.
All voltage, resistance, current and capacity
ranges appear on one easily read scale—no
zigzag or offset A.C. scales to confuse the
user. Has single range selector switch for
selecting meter ranges and analyzing operations. Tip jacks are conveniently mounted
on pancl extending each range for a complete
external test. Zero ohms adjustment provided
for accuracy in resistance measurements.
Supplied with analyzer cable and plugs,
socket adapters, test leads, instruction
manual and "Tree Reference" point analysis
charts. Housed in hardwood carrying case
with removeable cover. Size: 13% x10½ x4%
inches.

RIPLETT INSTRUMENTS Portable · Compact · Best Values



Tube Tester Model 1500

(Power Output Type)

3J2628— List Price, \$55.00. YOUR PRICE

Tests all tubes, both metal and glass, ander actual operating conditions. Definitely and instantly rejects any tube that will not perform satisfactorily in a radio receiver. A large 4" square meter marked "Good" and "Bad" is employed. The "gain method" of tube analysis is used and gives the nearest approach to actual receiving set operation. The proper D.C. voltages are applied to tube elements. Includes A.C. test for rectifier tubes, and separate diode A.C. test. Supplies A.C. signal to control grid and indicates amplifications on the A.C. voltimeter. Neon short test detects the slightest leskages. Simple to operate, only three operations. Housed in attractive two-tone valnut case with removable cover. Sloping panel has tube testing data etched on metal panels on either side. For either portable or counter use. Size 11"x8½"x8". For 110 volt, 50-60 cycle operation.

Selective Analyzer

Model 1167-A



For Point-To-Point and Standard Analysis

\$37.50. List Price, \$37.50.
YOUR PRICE

\$2450

Your Price and the property of the property of

RADOLEK is First With New Triplett Instruments

The eatire Triplett line of test equipment is in our stock and we are prepared to make immediate shipment at the lowest dealer prices. For prompt shipment of new model instruments seed your order to us. We are one of the first distributors in the country to receive advance shipments of the new models when they are announced by Triplett.



Tube Tester Model 1310

YOUR PRICE
Tests all types of glass and all-metal tubes on a 3½ Inch meter with a scale marked "Good" and "Bad". Employs an improved emission type circuit. Simple to operate. Only four controls—Load, Tube Selection and Shorts, Line and Filament Voltages. Supplies separate diode test. Furnished in an attractive modernistic two-tone walnut case with removable cover. Sloping panel with handy metal charts on each side furnish all instructions for testing. Case measures 11"28½"x x x. For operation on 110 volts, 50-60 cycle current.

Model 1181-A Portable Laboratory 3 in 1 Tester



3J2575— List Price, \$57.00. YOUR PRICE

Three instruments combined in one case for complete circuit analysis, includes:

Point to Point Test

Model 1125 Universal Volt-Ohm-Milliammeter for testing receiver circuits directly at the receiver when accessibility permits and for localization. Contains direct reading ohms, output, AC-DC volts, and milliamperes; 34," 400 microammeter with 16 scale readings; AC-DC volts: 0-15-150-750 at 1000 ohms per volt; DC ma.: 0-1.5-15-150-750 at 1000 ohms per volt; DC ma.: 0-1.5-15.5-150; AC ma. 0-15-150; ohms: 0-1500-1.5 and 3 meg. All ranges controlled by selector switch.

Standard Analysis

Auxiliary Set Tester Model 1166A for free-point test and receiver analysis. For localizing set trouble without removing chassis from cabinet. Invaluable for estimating service calls. Includes test for new Octal Tubes.

Overall Performance

Model 1151 new improved All-Wave Oscillator for

Model 1151 new improved All-Wave Oscillator for alignment testing tubes and methods of increasing overall gain. Oscillator covers all frequencies from 110 KC to 18 MC with four bands on single scale reading (0-100). Supplied with frequency curves. Has self-contained batteries. Oak case has removable cover. Size: 16½x7½x4¾".

Model 1180 Oscillator Tester

This unit is like the Triplett Model 1181-A Por-table Laboratory only with the exception of the Free Point Analysis tester which is not included. Housed in the same case supplied with Model

Includes All-Wave Oscillator and Volt-Ohm-Milli-ammeter units described above. 3J2644—List Price, \$45.00.

\$29.40 YOUR PRICE



Multi-Purpose **Tube Tester** Model 1501

(Power Output Type)

J12626—
List Price, \$70.00.

YOUR PRICE
Combines in one instrument the equivalent of ten separate instruments. 1—Tests All Tubes, both glass and all-metal types under actual operating conditions in terms of "Good" or "Bad" speedliy and accurately on a large 4" square meter. 2—Neon Short Test, accurately detects all shorted or leaking tubes. 3—Separate Diode Tests, individually checks each section of multi-purpose tubes. 4—Neon Paper Condenser Tester, shows shorted, leaking or onen paper condensers. 5—Electrolytic Condenser Leakage Tester, indicates on "Good-Bad" scale if the condenser's filtering renders it suitable for further use. 6—D.C. Voltmeter—has scale reading 0-10-50-250-500-1000 ohms resistance per volt. D.C. Milliammeter 0-10-50-250. T—Ohmmeter, reads resistance directly on 1000, 10,000, 100,000, 1 meg., and 10 megs. scale. 8—A.C. Voltmeter, reads o-10-50-250-500-1000 volts at 400 ohms resistance per volt. 9—Decibel Meter, reads down 10 up 15 decibels. 10—Impedance Meter, for 60 cycle use and is furnished with the necessary charts. Supplied in an attractive walnut case with a removable cover. For counter or portable use. Operates on 110 volt 50-60 cycle current. 3J2626-

Battery and A.C. Operated Signal Generators



3J2629-Model 1231. For Battery Operation, with Tubes and batteries.

3J2630—Model 1232. For 110 volt-60 cycle A.C.

3J2630—Mode: ...
operation.
List Price, \$40.00.
YOUR PRICE
A new 1936 Master Unit signal generator. Provides complete coverage of all broadcast, shortwaye and I.F. frequencies. Six tuning hands cever from 110 kilocycles to 30 megacycles. All frequencies are fundamental, no harmonics are used. 12" vernier dial has direct reading scale marked in K.C.
Stabilized Circuit Design
Stabilized Circuit using a type generate the R.F. signal. A generate the R.F. signal. A clear 400 cycle are 100 cycle.

Stabilized Circuit Design

Special frequency stabilizing circuit using a type
30 oscillator tube generates the R.F. signal. A
second type 30 tube produces a clear 400 cycle
note modulating output signal approximately 50%.
Modulation can be cut in or out of circuit by
adjustment of toggle switch on panel. 400 cycle
audio note can also be used alone.

Variable Attenuator

Two range continuously variable attenuator circuit
employs three tip jacks for selection of either strong
or weak signal. Both ranges are controlled by a
variable resistor of the potentiometer type calibrated by a 0-100 etched scale. All parts are
completely shielded. Low loss switches used. Furnished in metal cases.

TRIPLETT MASTER UNIT TESTERS

Complete Master

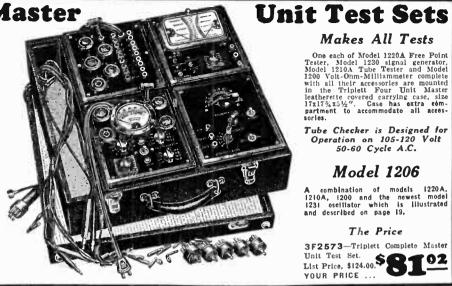
Model 1205A

The four essential Triplett Master Units have been combined in this one Complete Instrument with the idea of providing the simplest, most compact, accurate and most useful service equipment available, regardless of price. This new Master line of equipment contains many new and useful features which will enable the serviceman to speed up repairs on any radio set. A Complete Portable Laboratory, Nothing further is needed for the professional acristeeman to dethe most expert work. All types and classes of tests can be made—. Point to Point, Standard Analysis, Overall Performance. Equipped to service sets using either glass or metal tubes. Checks all Types of Tubes, with glass or metal envelopes. So arranged that New Types not yet on market can be checked also, Each unit represents the newest and most up-to-date equipment in its own field. See Below for complete description of units.

The Price

3F2582-Triplett Complete Master Unit Test Set

List Price, \$107.00. YOUR PRICE



Makes All Tests

One each of Model 1220A Free Point One each of Model 1220A Free Point Tester, Model 1230 signal generator, Model 1210A Tube Tester and Model 1200 Volt. Ohm-Milliammeter complete with all their accessories are mounted in the Triplett Four Unit Master leatherette covered carrying case, size 17x173,x5½", Case has extra tem-partment to accommodate all acces-

Tube Checker is Designed for Operation on 105-120 Volt 50-60 Cycle A.C.

Model 1206

A combination of models 1220A, 1210A, 1200 and the newest model 1231 osellator which is Illustrated and described on page 19.

The Price

3F2573-Triplett Complete Master Unit Test Set Unit Test Set. List Price, \$124.00. YOUR PRICE ...

The Four Master Units

Cases are built of metal, nicely finished in dull black. Size 7%"x6%"x4%" deep. Panels are etched black bakelite.



Free Point Tester

Model 1220A

Model 1220A
3F2585—
List 1ºrice, \$12.50.

YOUR PRICE
For servicing all sets using metal or glass tubes. Has five sockets—four with standard 11MA markings, one new eight prong for metal tubes. Fanel also includes eight automatic switch type and ten single action, jacks. Enables the making of voltage and resistance test between any tube elements or socket contacts, including chassis. The jacks are so arranged that the source of external voltage may be applied to any tube element. This permits testing tube characteristics. Automatic in operation. Used in conjunction with Model 1200 Volt-Ohm-Milliammeter. One end of the conductor cable is permanently connected to the switch type jacks, the other end terminates in a 7 prong latch type plug. 4, 5, large 7, small 7 and 8 octal prong latch type adapters are included. Instructions, guarantee and registration cards are furnished.



Signal Generator Model 1230

Model 1230
3F2583- \$1502
YOUR PRICE ...
A presision stabilized All-Wave continuously variable Signal Generator.
Frequencies controlled on six positions from 100 K.C to 18 meracycles. Either modulated or unmodulated. A special frequency stabilized circuit employing a type 30 tube generates the r.f. oscillation, while a second type 30 tube generates the r.f. oscillation, while a second type 30 tube generates a clear 400 cycle note. The small amount of current required is furnished by eme 22½ volt and three small amount of current required is furnished by eme 22½ volt and three is taken from the oscillator to be independent of the line radistion. Power is taken from the oscillator in amanner that does not upset the circuit function. Individual shielding provided whereever critical shielding is required. Range switch and knob con'rol frequencies. Attenuation controlled by three out-put jacks and at enuator. Tubes and batteries furnished. Connecting wires and six individual call-brated graphs on large size charts are included.



Tube Tester

Model 1210A

3F2584-List Price, \$30.00. YOUR PRICE \$1960

Tasts all types of tubes both netal and glass. Direct reading, Its large 3½"
Triplett D'Arsonval meter reads GOOD and BAD on three caloned scale. Cathode leakage test. Individual tests on diodes and full wave rectifiers. Only four sockets. Eas a new and exclusive circuit approved by leading tube engineers, with every essential for a dependable emission test of tube values. Only three simple operations required to test all types of tubes; only one operation for shorts. Two selector switchs provide for short, leakage, and quality tests without removing tube from socket. Innitiesmal leakages between elements indicated correctly on meier. A third selector switch selects proper flament voltage; the fourth switch is set for the type tube to be tysted. Charf furnished for all switch selector. Rectifier tube furnished. 60 cycle, 100-130 volts.



Volt-Ohm-Milliammeter With Tilting Meter

Model 1200

3F2587— List Price, \$32.50. YOUR PRICE ...

3F2587—
List Price, \$32.50.
YOUR PRICE

Has two instruments A.C. and D.C. in moided case. Instruments with Tilting Meter can be tilted to any reading angle while case sets level. Avoids errors. Scale markings in straight lines. Each instrument is best adapted to the specified use for which it is designed. This arrangement insures results superior to those obtainable when using a single combination instrument. Scale reading—D.C. 10-50-250-500-1000 voits at 2000 ohms per voit; 1-10-50-250 M.A.; 1500 ohms; 1.5 and 3 megohms. A.C. 10-50-250-500-1000 voits. Resistance measurements have individual zero adjustments. Three Jacks for VOLTS—OHMS—M.A.'s and OUTPUT measurements. Selector switch for all instrument readings. Simple, Fool proof. Accurate. Convenient. Always dependable. Answers every requirement for the Serviceman. Contains 22½ and 1½ v. batteries. Test leads included.

Cases for Triplett Master Unit Testers



Multi-Unit Cases Portable-Leatherette

Strongly made of plywood and covered with finest grade black grained leather-ette. Units fit snugly. Instrument compartments lined with soft green felt. Separate compartment for accompartments lined with soft green felt. Separate compartment for ac-cessories. Padded handle. Detachable covers. Single unit case is size 8%x 1045½" high. Others in oroportion.

Stock	Holds	List	Your
Number	Units	Price	Price
3F2588	one	\$6.00	\$3.92
3F2570	two	7.00	4.57
3F2571	three	8.00	5.22
3F2589	four	9.00	5.88

Counter Case For Tube Tester

For Tube lesser
An attractive sloping panel case,
Made of Quarter Sawed Oak. Fine
lasting Shish. Case size;—Length
12"; width 11%"; beight front
3%"; back 6%". Tube charts fastened to sloping panel.
3F2586—Counter Case only.
List Price. \$6.00.
YOUR PRICE.....\$3.92

3F 2563—Counter Case and Model 1210A Tube Tester, Checks all types of both metal and glass tubes.
List Price, \$36.00. List Price, \$36,00.
YOUR PRICE \$23.52



RADIO SERVICEMEN'S Readrite TEST EQUIPMENT

Point to Point Analyzer



Resistance Capacity Tester

Model 720A

With Readrite Meters

Model 730A

With Triplett D.C. 1000 Ohm Per Volt Meter

F2592— YOUR PRICE .

Flexible in Operation
Combines the latest principles of point to point testing with the older dynamic method of testing. You can now take advantage of the good points of both systems and need not be confined to either one or the other method of set analysis. Design and circuit arrangement make for quick and accurate location of set troubles. Current and voltages can be measured in any tube circuit and point to point tests can be made between the various tube socket terminals and ground. Will test all sets that have been released to date, including those using the new 8 prong Octal tube, without removing set chassis from cabinet.

Model 730A

Is the same as the No. 720A but is Flexible in Operation

Is the same as the No. 720A but is equipped with a Triplett D.C. voltmeter having 1000 ohms per volt re-

sistance.

Both Instruments are mounted in leatherette covered cases. Size 10% "x 8%" x4".

Separate A.C. and D.C. Meter

Separate A.C. and D.C. Meter
Two meters are used in tester; one
A.C. meter having ranges of 10, 25,
150, and 750 volts; a D.C. meter
having ranges of 15 and 150 Ma. and
15, 150, 300, and 600 Volts. Readings from both meters are selected
by means of a rotary tap switch with
connections brought out to two tip
jacks. Analyzer plug is furnished
with adaptors for 4, 5, 6, 7, and 8
prong tube sockets. Leads run from
plug to tube sockets on analyzer and
break in jacks are inserted in each
lead. By connecting meter into these
jacks all current and voltage measurements can be obtained. For point to
point testing a clip lead is attached
to ground of set. This lead terminates
in jack on analyzer to which one side
of meter is connected, other side of
meter is connected, other side of
meter is connected, other side of
meter is connected, other side of
meter is connected, other side of
meter is connected, other side of
meter is connected to the other jacks
for measuring of voltage or resistance
between the various tube elements and
ground. Test leads and complete instructions included.

New Tube Checkers

Models 430-431

- •Tests New Octal All-Metal and "G" Type Tubes
- Tests for Leaks and Shorts
- Tests Tubes Under Actual Working Conditions
- •Combination Counter and Port-able Case

Model 430

With Triplett Meter F2607-YOUR

Model 431 With Readrite Meter F2608— ST 41 PRICE

The new Readrite Model 430 is an upto-date tube checker in every respect. Tests all tubes that have been an nounced up to date including the new Cotal tubes. Two simple controls in conjunction with the English reading Good-Bad meter provide a complete and accurate test of the tube's condition. Only one button to push to obtain tube reading. Two additionadity line voltage and the other for adjusting line voltage and the uter for tube is at a name of the form accidental overloads. All parts mounted on metal counter and portable carrying case of outside the provided tubes. The form and postable carrying case of conditions. Meter gives an efficient and positive means for checking all The new Readrite Model 430 is an up-

shorts and the slightest leakages. Two meters are furnished in instrument: Triplett O'Arsonval type moving coli meter for tube te sts and Readrite Shadow type A.C. Voltmeter for adjusting line voltage. Meters protected against damage from accidental overloads. All parts mounted on metal panel with numerals and scales littographed. Contained in combination counter and portable carrying case of quartered Oak.

SET TESTER

Models 710A, 712A



Easily and quickly locate every kind of trouble without removing the radio chassis from the cabinet. Has self-contained battery for continuity testing of transformers, chokes, etc. Capacity and resistance charts are furnished for use in testing condensers and measuring resistances up to 100,000 chms. The 9 scale readings of the meters may be used separately with the jack terminals provided. Scale readings are 0-20-60-300-600 0.C. volts; 0-10-140-700 A.C. volts and 0-15-150 milliamperes. D.C. voltmeter resistance 300 chms per volt. Has new small sized plug with latch for the five adapters furnished for accommodating all 4, 5, 6, 7, and the new metal tube 8 prong sockets now in use. Substantial leatherette covered case size 10%x3½x8 inches. Removable cover.

Has sockets for all newer 4, 5, 6, 7, and 8 prong tubes. Makes all voltage, current, capacity and continuity tests required for any set and for the tubes in the set, regardless of current usedwhether A.C. or any type battery current.

Readrite Model 710A as described above with standard Readrite Meters. Complete with Test Leads, Battery, Adapters, Charts and Instructions.

F2606—List Price, \$27.50.

Readrite Model 712A differs from the Model 710A only in that it is equipped with the new Triplett D'Arsonval Voltmeter having 1000 ohms per volt resistance. The reading is 0-15-60-300-600 volts. (2% accuracy). F2590—List Price, \$37.00.

YOUR PRICE Copyright 1936 by W. C. Braun

S21.76

All-Wave Oscillator New Model 554-A



3J2643-Complete with tubes and batteries. List Price. \$24.00. YOUR

Incorporates all improvements and advantages of present day engineering. Speedy and accurate, Used to align RF gang condensers, locate defective RF transformers, adjust IF transformers, check oscillator stage, compare gain in tubes and determine the sensitivity of radio receiving sets. Merely adding a new cell provides for any new frequency range. For present and future requirements. All frequencies are fundamentals thoroughly stabilized. Modulator switch on front panel. Completely shielded and tube modulated.

Plug-In Coils

Special Plug-In type coils supplied for each of the present five frequency bands, covering 100-20,000 KC. Extra long sweeping scale assures accurate settings. Large calibration curves supplied for each frequency band. Self-contained batteries and two '30 tubes. Housed in attractive black leatherette covered case. Potentiometer type attenuator with high low adjustment. Dimensions: 12"x6\\\2"x5\\3"."

Readrite Output Meter

Portable full-wave copper oxide rectifier type DC voltmeter, for use with the above oscillator. Housed in a round steel case 4½ in diameter. Assembly includes voltmeter, rectifier, jacks, and condenser. Scale 0-10, two output ranges—low and high. Model 575. List Price, 38.25.

3J2642-YOUR PRICE

THE RADOLEK COMPANY

\$4.85

Resistance, Continuity and Capacity Tester Model 1000



F2622-List Price, \$34.00. YOUR

New and Different! Permits testing of any receiver without the tubes in the receiver and without the power turned on the set. Uses two plug-in cables—one to the rectifier socket and the other to each tube socket in turn. A master selector switch permits resistance and capacity tests between all important circuits.

The 3¼ inch D.C. Pracision Meter (1000 ohms per voit) of the moving coil type, has full scale deflection of 1 M.A., and is provided with a zero adjustment. The lower scale is divided into 60 divisions of 0-30, 0-300 and 0-600 O.C. voits and 0-30, 0-300 D.C. Milliamperes. The upper scale readings are available for resistance measurements, 0-500 and 0-50,000 ohms and 0-3 megohms. Can also be equipped to test up to 6 megohms, by adding a 90,000 ohm resistor and an extra 22½ voit battery.

ding a 90,000 ohm resistor and an extra 22½ volt battery.

A. C. Meter is calibrated for reading directly in microfarads either paper, mica or electrolytic condensers. The lower scale reading is .008 mfd. to .25 mfd. The upper scale reading is .1 mfd. to 10 mfds. Calibrated for use on 60 cycles at 110 volts. Rheostat regulates the correct voltage to be applied. This meter also will show voltage of input A.C. line. 2-22½ volt Batterles and flashlight battery provided for resistance readings. All parts contained in Fabricoid covered case size 13½ y 9½ x4½ inches. Complete with batteries, plugs, test leads and adapters for 4, 5, 6, 7 and 8 prong tubes.

Radolek Tube Chart [Rectifier Tubes]

Bottom View of Sockets	Tube Circuit Diagram	Туре	I.ist	Ригрове	Filament Volts	Filament Amps.	A. C. Plate Volts	Max. D-C. Output In Milliamps	Fil. Power Consumption In Watts
	x-(5)	& I-V	\$1,25 1.00	Half Wave M-V Rect. HI-Vac Rect.	6.3	0.3	350	50	1.89
	P	80	.70	Full Wave Rectifier	5	2	350	125	10
		BOM	1.55	Kenrad F. W. M. V. Rect. Sub. 83	5	2	425	125	10
	(2)	81	2.10	Haif Wave Rectifier	7.5	1.25	700	85	9.4
		81 M		Kenrad M.V. Half Wave Rectifier	7.5	1.25	750	85	9.4
	P	82	1.00	Full-Wave M-V Rect.	2.5	3	500	125	7.5
	p	83	1.00	Full-Wave M-V Rect,	5	3	500	250	15
- (T-)~	× (5)	84	1.35	Full-Wave M-V Rect.	6.3	.5	225	50	3.2
	p-(1)-p	5Z3	1.00	Full-Wave Rectifier	5	3	500	250	15
"CO"	x - (5)	6Z3	1.25	Full-Wave Rectifier	6.3	0.3	350	50	1.89
ACT CO	**	6Z5	1.90	Double Fil. Full-Wave Rectifier	6.3	0.8	230	60	5.04
() ×	x-(\frac{1}{2})	12Z3	1.10	Half Wave Rectifier	12.6	0.3	230	60	3.78
F1 (1 3) P2	A PI	1225	1.50	Full-Wave Rectifier	12.6	0.3	225	60	3.78
P1 (1 3) P2	P2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25.25	1.10	Full-Wave Rectifier	25	0.3	125	100	7.5
(7)_p	(1)	866	9.00	Half-Wave Rectifier	2.5	5	7500	600	12.5
	**	986	1.65	Full-Wave M.V. Rectifier	Б	0.5	500	200	2.5
(I)	x (5)	AD	1.50	Rectifier For Auto Sets	6.3	0.3	350	50	1.89
	-	AF	1.80	Spec. Arcturus Rectifler Substitute 82	2.5	3	500	125	7.5
	P	AG	2.05	Arcturus Type 83	2.5	3	500	250	7.5
LINE	A-(1)-K	874	4.90	Voltage Regulator	Operating Starting Operatin	Voltage Voltage ig Curre	ge ent	.90 Volt 125 Volt 10-50 M	8. 8. .A.
	1. 0 0 · 1.	BA	7.50	Full Wave Rectifier	Has no Filimnt	Max. A Volta Max. I Max. I	.C. Volt per pla D.C. Out D.C. Out	ts (RMS te. put 350 put 300) 350 M.A. Volts.
	7-00°7	ВН	4.65	Full Wave Rectifier	lias no Fil'mnt		A.C. Volt s per pla D.C. Out D.C. Out		

The New Metal Envelope ["Steel Octal"] **Rectifier Tubes**

المراقب المراق	× 3	024	1.75	Full Wave Rectifier			DC Voltage Output 300 volts Max. Start- ing voltage 300 volts min. Peak plate cur- rent 200 M.A. Max.
		5Z4	2.00	Full Wave Rectifier	5.	2.	A. C. Plate Voltage Per Plate (RMS) 400 volts Maximum Peak Inverse Voltage 1100 volts max.
P P N N N	*****	6X5	2.00	Full Wave Rectifier	6.3	.6	Max. A. C. Plate Volts (RMS) 350 Max. D. C. Output 75 M. a.
A STAN	* * *	2526	2.00	Voltage Doubler	25	.3	Max. A. C. Plate Volts (RMS) 125 Max. D. C. Output 85 M. s.

Elkon 5,000 Hour "B" Rectifier



Replaces rectifier tube in "B" Eliminator. Dry, solid, runged self healing. Just replace the fragile 1,000 hour tube with this sturdy 5,000 hour Elkon EBH and the change is made. Not affected by accidental surges or overloads. No adjustments required. Shog. wt., ½

3E85—For "B" Eliminators using Raytheon BH Tube. 70C List. \$6.00. YOUR SPECIAL PRICE ..



Genuine Raytheon Rectifier Tubes

Long Life. No Filament.

Greater economy and reserve power; enough to run a 10-tube set.
Uninterrupted service. No liquids.
Utilizes both haires of the alternating current for rectification. except in BR half wave model.

IEON	Stock Num.	Type	Mila.	List	Net
BILL	3E840	BR	50	\$2.75	\$1.49
VII.	3E839	BH	125	4.65	2.51
	3E838	BA	350	7.50	4.05

Genuine KELLOGG A. C. Tubes



The original top connection radio tube designed to operate on alternating current. Operates directly tube designed to operate on alter-nating current. Operates directly from house lighting current with step down transformer. Quiet opera-tion. No hum nor microphonics. Has excellent tone quality. Ex-tremely rugged construction insures long life and satisfactory service. Shpg. wt., each about 1 lbs.

List, \$4.00. YOUR PRICE \$2.33 3E876-Type 403. List, \$5.00. YOUR PRICE \$2.94

3E875-Type 401.

Kellogg McCoullough Type Tubes

Same type as used in many Sparton, Kellogg and other sets. Quality and a real value. 3E877-Type 401 Tubes.

List Price. \$4.00. YOUR PRICE \$¶<u>56</u>



RADIO SET SOCKET ERYOUT Mide

1971

1935

BARGAIN **Power Tubes**

Excellent quality guaranteed tubes. Wonderful values at our prices. You will find them very satisfactory for all work.

3E880-Type 210. 3E881-Type 250.

79c PRICE, EACH

New Revised R.C.A Socket Layout Guide 256 Pages

256 Pages

Shows the types of tubes and the number of each used in practically every standard make and model of Radlo Receiver now in use. Contains tube complements on all important Nets made between 1921 and 1935 and socket layouts of those built since 1932. An indispensable reference book for every Radlo Tube Counter and Service Shop. Shop. 3J5939-YOUR PRICE 50¢

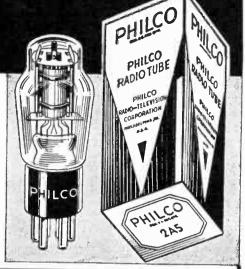
3J5940—With order for 100 R.C.A. Free Radio Tubes.

QUALITY RADIO TUBES

Latest Design—More Efficient Consume Less Current—And Last Longer

50,000,000 PHILCO Tubes are needed to put the 18,000,000 radios, now in use, in perfect condition this year! The market is tremendous. PHILCO Tubes are of the very latest type, design and construction. Scientifically engineered, precision built, and subjected to 100% thorough tests in every stage of their manufac-ture. PHILCO tubes furnish long, dependable and economical service. The line is COMPLETE—concentrate on PHILCO TUBES. Make EXTRA PROFIT, in addition to sales of radio sets.

Nationally advertised for replacement in all radio receivers and for replacement in over 5,000,000 PHILCO Receivers in use throughout the United States. Radio Dealers and Servicemen keep your stock of PHILCO Tubes complete. Order a stock of all the popular types now. Take advantage of the many merchanall the popular types now. Take advantage of the many merchan-dise offers on this page. A com-plete line of PHILCO Test Ap-paratus is listed in your PHIL-CO-RADOLEK Parts Catalog. If you do not have your copy of this



PHILCO Manual



Every Serviceman Needs This Manual!

This Manual!

The manual contains wiring diagrams, pictorial diagrams, parts lists, and essential service data on every Philico home receiver and auto set ever manufactured. Also includes the 1936 models of Philico Sets. Service information on new models of Philico receivers not yet announced will be forwarded by Philico from time to time to all purchasers of this manual. High-quality handsome black leathersteleose leaf binder. Size: 10x11½".

375935

3F5935-With Order for 15 Phileo YOUR PRICE.....

PHILCO Condenser Test Box



Condensers Quickly By Substitution Method Test

Substitution Method

For testing by-pass condensers in all receivers by the substitution method. Contains 15 different fixed condensers, which can quickly be connected through a multi-popular switch to obtain desired capacities from 00025 mfd. to 2 mfd. Two binding posts on the box provide the necessary connections for external test leads. Size: 4"x4"x6".

3J2520—Model 993.

List, \$144.0.

844

YOUR PRICE.

3J2521-Model 093. With Order for 40 Philes Tubes. \$5.95

	oook re	quest on	e on yo	our ord	er.		
Type Num.	Stock Number	List Price	Your Price	Type Num.	Stock Number	List Price	Your Price
01A 1A1 1C1 1A6 1C6	3F626 3F619 3F620 3F627 3F628	\$0.59 .89 .89 1.25 1.50	\$0.33 .51 .51 .71 .85	33 34 35/51 36	3F658 3F659 3F660 3F661	\$0.99 1.25 .89 .89	\$0.57 .71 .51 .51
1V 2 2A3 2A5 2A6	3F629 3F593 3F630 3F631 3F632	.89 .89 1.25 .99	.51 .51 .71 .57	37 38 39/41 40 41	3F662 3F663 3F664 3F624 3F665	.69 .89 .89 .69	.39 .51 .51 .39
2A7 2B7 4 5 5Z3	3F633 3F634 3F595 3F596 3F635	1.25 1.25 .89 .99	.71 .71 .51 .57	42 43 45 46 47	3F666 3F667 3F669 3F670 3F671	.99 .69 .99 .89	.57 .57 .39 .57
6 6A4 6A6 6C6 6D6	3F621 3F636 3F617 3F637 3F638	1.50 1.25 1.25 .99 .89	.85 .71 .71 .57	48 49 50 53 55	3F672 3F673 3F674 3F675 3F676	1.50 .99 1.50 1.25 .99	.85 .57 .85 .71
6A7 6B7 6F7 9	3F639 3F640 3F641 3F622 3F642	1.25 1.25 1.50 .99 1.50	.71 .71 .85 .57	56 57 58 59 71A	3F677 3F678 3F679 3F680 3F681	.69 .89 .89 1.25 .69	.39 .51 .51 .71
12A 12A5 12A7 12Z3 14	3F643 3F644 3F623 3F645 3F597	.69 1.50 1.50 .99 1.50	.39 .85 .85 .57	75 76 77 78 79	3F682 3F683 3F684 3F685 3F686	.99 .69 .99 .99	.57 .39 .57 .57
15 17 19 22 24A	3F646 3F625 3F648 3F650 3F651	1.50 1.50 .99 1.25	.85 .85 .57 .71	80 81 82 83 84	3F687 3F688 3F689 3F690 3F691	.59 1.50 .89 .89 1.25	.33 .85 .51 .51
25 2 5 26 27 30 31	3F652 3F653 3F654 3F655 3F656	.99 .59 .69 .69	.57 .33 .39 .39	85 89 X99	3F692 3F693 3F695 SPARTON 3F696	.99 .99 .99 TYPES	.57 .57 .57
32	3F657	1.25	.71	183 485	3F697 3F698	1.50 1.50	.85 .85
Deduc	t An Addi	tional 10	% Disc	on Or	ders for 2	or More	Tubes

D & S Tube Manual



Saves Time-Makes Money for You Contains all essential Sales and Service Tube information on every Receiving and Ballast Type Tube ever used in receiving sets, 250 of them with all essential information—base diagrams—characteristics—substitution data, and a tube index that alone is worth the price. Any one without radio experience, can use it—Sell Tubes with it—Recommend Interchangeable Types with Confidence. Tells how to substitute newer type tubes for older types. As new tubes appear owners of this manual can secure data on them. 200 loose-leaf pages, 8½x11. 3J299-YOUR PRICE

Tube Base Diagram Wall Chart

Tack this Handy Chart over your Service Bench. It's a Time Saver—keeps your bench clear—your hands free. Readable at a distance of 6 feet. Size: 4 feet long, 1½ feet high. It's complete—over 300 types included—50 diagrams.

3J292-YOUR PRICE ... 25¢

PHILCO Shadow **Output Meter**



Essential Output Indicator for Adjusting Receivers

Adjusting Receivers

Affords an accurate indication of output volume when adjusting compensating condensers. Connects to the output tube of any radio set. Maximum shadow width indicates maximum signal—strong signal producers a wide shadow and weak signal a narrow shadow, width of shadow is directly proportional to signal strength, thus permitting accurate adjustment of radio by means of shadow indication. Clips and leads provided. Size: 3%"25%".

3125522—Model 012.

3J2522—Model 012, List, \$12.50. YOUR PRICE.....

3J2523—Model 012. With Order for 30 Philo Tubes. \$5.25

PHILCO All Metal Tubes





Philco dealers and servicemen now secure a complete line of Philco All-Metal Tubes. Newest type of improved construction is used through-out. Each tube is guaranteed to be as high or higher in quality than any other metal tube now on the market.

Type	Stock	Price	Your
Num.	Number		Price
5Z4 6A8 6C5 6F5 6F6 6H6 6J7 6K7 6L7 6L7 25A6 25Z6	3J3006 3J3002 3J3003 3J3004 3J3005 3J3059 3J3060 3J3061 3J3062 3J3056 3J3057 3J3058	\$1.60 1.75 1.25 1.25 1.50 1.50 1.75 2.00 1.75	\$0.85 .92 .67 .67 .79 .67 .85 .79 .92 1.06

See Explana	ntory Note, S	ottom	of Pa	go III	8	8			13	9	Grid V.	Recommended Obma Blas Registor	cation r and Gain	Recommended Ohms Plate Loud A. C. Plate Res.	Output tite	Power aption
Bottom View of Sockets	Tube Circuit Diagram	Туре	List	Purpose	Filament Voits	Fliament Ampe.	Plate Voits	Plate Milliampe	Screen Volte Max.	Screen Milliampe	Neg. G Blag V.	Recom Ohms I Realisto	Amplification Factor and D. B. Gain	Recom Ohms I Lond , Plate	Power Output Milliwatts	Max.Power Consumption In Watte
	•	482B	\$1.65	Sparton P-P A. F. Triede	5 A. C.	1.25	250	18			-32.5	1805 4 Watt	5 11.6	4500 2250	1400	10.8
	e-	483	1.65	Sparton P-P A. F. Triode	А. С.	1.35	250	25.3			-40.5	1580 2 Watt	3,3 8.6	3900 1950	1600	14.1
» (1) ×	: (3)	485	1.45	Sparten Triode Quick Heater Replacing 484	3 A. C.	1.25	90	5			• 3	600 ⅓ Watt	12.5 #8	9600		•
٨	: 3	486	4.10	Sparton Special Triode	<mark>3</mark> С.	.25	90	3			- 3	1000 1 Watt	12.5 18.9	4000		1
1	c-(-)	584	4.00	Sparton Pwr. Output Same as 50	7.5 A. C.	1.25	450	55			-80	1450 10 Watt	3.8 9.5	4350 1800	4600	34
	· 💮	864	2.10	For Portable Oscillator and Preomplifiers	1.1 D. C.	.25	135	3.5			- 9	2575 or "C" Batt.	8.2	3500		.75
p () 50	c - 50	950	2.20	Power Amplifier Pentede	D. C.	0.12	135	7	135	2	-16.5	2000 %Watt		13,500	450	1.2
SC TO X	-	AE		Tetrode HI-Mu Output	12.6 A. C. D. C.	0.3	100	8.5	100	1.75	-13.5	1330 1 Watt	20 26.1	13500 81000	400	4.5
P (3 3) 8 G	c	GA	2.75	Arcturus Special Pentode	5 A. C. D. C.	.25	180	25	180	7.5	-10	307 1 Watt	60 35 6	7000 48000	800	7.1
P (1) SG	c 🐎 «	KRS		Kenrad Pwr. Output Pentode	6.3 A. C. D. C.	0.3	165	17	165	3.5	-11	537 2 Watt	100 40	8000 48000	1200	5.3
Party C		KR20	3.00	AVC Detector	2.5 A. C.	1	250	3.5					14 23	.1 Meg		3.4
م المراكب المر المراكب المراكب	2 - X	KR22	2.00	AVC Detector	6.3 A. C. D. C.	0.4	250	3.5					14 25	.1 Meg		3.4
SG (200) K	G	KR25		Pentode Output	2.5 A. C.	1.75	250	34	250	6.5	-16.5	407 4 Watt	220 46.9	9000 <i>54000</i>	3000	14,5
p (3.3) sc	c - \$ sc	LA	2.75	Pwr. Pentede Substitute 6A4	6.3 A. C. D. C.	0.3	165	17	165	3.5	-11	470 2 Watt	100 40	8000 80000	1200	5.3
عد ﴿ وَ وَالْمُ الْمُ	c Sec	PZ	1.30	Arcturus Number for Type 47	2.5 A. C.	1.5	250	32.5	250	7.2	-16.5	410 4 Watt	95 39 .6	7000 \$5000	3000	13.8
SC CONTRACTOR	G SG	PZH	1.60	Arcturus Number for Type 2A5	2.5 A. C. D. C.	2	250	33.5	250	8	-16.5	400 5 Watt	100 40	7000 35000	3500	15.5
(2))	8	MDII	1.25	Early Batt, Sets	1.1 D. C.	.25	135	3			- 9	"C" Batt,	6.5 16.3	18500		.68
	c	WX12	1.25	Gen. Purpose Triode Sub. 864	D. C.	.25	135	3			- 9	"C" Batt.	6.6	18500		.68
c (1/4) &	c - c	WUN	3.00	Twin Grid AVC. Det.	2.5 A. C. D. C.	1	250	7			-16.5	2360 ½ Watt	9.25 14.4	12000		4.25
2 (1) ×	G G	WUNA	3.00	For Auto Sets	6.3 A. C. D. C.	0.4	250	7			-16.5	2360 ½ Watt	9.25	12000		4.25

New Tobe Condenser Analyzer

Indicates "Opens"—"Shorts"—Identifies All Condensers as "Satisfactory" or "Replace"

Condensers as "Satisfactory" or "Replace"

A scientific test instrument developed by Tobe. All types of condensers are quickly and accurately tested under normal operating voltage conditions. Leaky, Open or Intermittent Units are easily detected. Easy to operate. The proper setting of the three controls adjusts the circuit for the condenser under test. Paper, mica and oil condensers are tested by measuring the D.C. resistance under voltage. A "Relaxation Oscillator" circuit using a 201A tube in a special rectifier circuit is employed. A special neon glow lamp is the indicator. Electrolytic condensers are rated voltage. Voltages up to 700 volts D.C. may be applied to any condenser under test.

Compact and Complete

Condenser Analyzer is suppled in a sloping panel metal cabinet. Black wrinkle finish. Two 30" long test leads are attached. Insulated alligator clip connections 6' Power supply cord and piug. Condenser Analyzer Operating Chart, Neon Glow Lamp and complete instructions included, 201A tube not supplied. Operates on 105-120 volt 50-60 cycle current.

Federal Condenser Analyzer

3F2625-Complete with rectifier tube and neon glow lamp. YOUR

YOUR
PRICE
Accurately tests and analyzes all mica, paper, electrolytle and oil condensers
under actual working conditions.
All canadista

ditions.

All capacities of condensers from .00005 mfd. to 16 mfd. tested under the same methods as used by leading radlo manufacturers. Large size, one watt neon bulb quickly indicates whether condenser under test is shorted, leaky or good. Voltage for leakage test is secured from bullin power supply which uses a type 80 rectifier tube. Condenser are automatically discharged when switch is turned to "off" position. Requires only three adjustments for leakage, A.C. to voltage and D.C. voltage. Furnished complete with two 24" clusted test leads with alligator clip connections, 80 tube, neon glow lamp and full instructions. Metal case is attractively finished in Black Crackle with permanent metal reference chart attached. Many receiver troubles can be directly traced to faulty R.F. and Audio By-Pass condensors and this useful instrument will soon pay for itself in the time and money it saves.

New Types of Tubes
Radolek stocks new types for you as soon as announced. Lewest
Dealer Prices will apply.

YOUR \$1140 PRICE \$1140

3F8505-



hampion

RADIO TUBES

Highest Quality At Lowest Prices

Champion precision built Tubes will give dependable and satisfactory performance. Guaranteed to equal characteristic standards set by leading tube manufacturers fereight and in perfect operating condition. Each tube is individually packed in the new style attractive Sealed Carton. Guaranteed for six months, burnouts and break age alone are excepted.

Champion tubes are available to you in a complete variety of demanded types at a Bigger Discount which in nost cases, represents a 10% to 15% More Profit for Orders for 25 Assorted Champion Tubes you on every sale. You sell at list price.

Quantity Discounts Do Not Apply to "Sampler" or "Champae" Assortments

or "Champae" Assortments

CHAMPION Resistance Tubes

Used by many manufacturers in place of a resistance line cord. Sell only for replacements of types used as original equipment in receivers. Designed for use in receivers using two 25 volt tubes and two 6.3 volt tubes.

Glass Tynes

	Citass Types (p						
Type Number	Stock Number	List Price	Your Price				
185R	3J517	\$1.00					
185R4	3.1483	1.10					
185 R 8	3J594	1.10	i				
165R	3J454	1.00	34c				
165R4	3J485	1.10	340				
165R8	3.1486	1.10	EACH				
140 R	3.1487	1.00					
140R4	3.1488	1.10					
140R8	3.1459	1 10					

	Metal T	ypes	
5A1 5A2 5B2 9A1 9A2 9B2 2A1	3J3135 3J3136 3J3137 3J3138 3J3139 3J3140 3J3140	\$1.00 1.10 1.10 1.00 1.10 1.10 1.10	49c EACH
2A2 2B2	3J3142 3J3143	1.10	



Triad 6B5 Power Amplifier 6.3 Volt Filament 3161622

2575

32

36

37

40

42

46

47

35/51

38 39/44

List, \$2.25. YOUR \$ 1 05 Combines advantages of Class A and Class B Ampliffer in one tube. Normally delivers 10 watts au dio output in push-pull circuit with 300 volts on plate or 20 watts with increased plate voltage. 6 prong base.

Triad 2B6 Power Amplifier 2.5 Volt Filament 31615-List, \$2.50.

YOUR \$ 19

Six watts of Audio Output may be secured from a single 286 or 15 to 18 watts from two in Push Pull with 400 volts on plates. Large seven props hase plates. Lar prong base.



				luantity	Discounts [o Not App	ly to "	Sampler'
	Type Number	Stock Number	List Price	Your Price	Type Number	Stock Number	List Price	Your Price
	00A 01A 1V/623 1A6 1C6	3J520 3J521 3J522 3J523 3J524	\$1.25 .59 89 1.25 1.50	\$0.62 .29 .44 .62 .75	71A 75 76 77 78	3J575 3J576 3J577 3J578 3J579	\$0.69 .99 .69 .99	\$0.34 .49 .34 .49
	2A3 2A5 2A6 2A7 2B7	3J525 3J526 3J527 3J528 3J530	1.25 .99 .99 1.25 1.25	.62 .49 .49 .62 .62	79 80 81 82 83	3J580 3J581 3J582 3J583 3J584	1.25 .59 2.00 .89 .89	.62 .29 1.00 .44 .44
	5Z3 6A4/LA 6A7 6B7 6C6	3J531 3J532 3J533 3J534 3J535	.89 1.25 1.25 1.25 1.25	.44 .62 .62 .62 .49	84/6Z4 85 89 V99 X99	3J585 3J586 3J587 3J588 3J589	1.25 .99 .99 .99	.62 .49 .49 .49
	6D6 6F7 10	3J536 3J537 3J538	.89 1.50 2.00	.44 .75 1.00	M	ajestic T	ypes	
	12A 12A5	3J540 3J518	1.50	.75	2A7S 2B7S 2S/4S	3J322 3J323 3J324	\$2.30 2.10 2.65	\$1.15 1.05 1.33
	12A7 12Z3 19	3J519 3J541 3J542	1.50 .99 .99	.75 .49 .49	2Z2/G84 6A7S	3J325 3J326	1.85 2.30	.93 1.15
ı	20	3J543	99	.49	6R7S	31327	2 10	1 05

3J544

3J546 3J547

3.1548

3J549

3J551 3J552 3J553

3J554

3J555

3J556 3J557 3J558

3J559

3.1560

3J561 3J562 3J563

3J564

1.25

99

.59

.69

.69

.69

1.25

1.25

.89

.69

.89

.69

.69

.99

.89 2.50

.34	2A7S	3J322	\$2.30	\$1.15
.75	2B7S	3J323	2.10	1.0
	2S/4S	3J324	2.65	1.33
70	2Z2/G84	3J325	1.85	93
.75	6A7S	3J326	2.30	1.15
.49	1	00020	2.00	
.49				
.49	6B7S	3J327	2.10	1.05
.62	6C7	3J328	1.90	.95
	6D7	3J329	1.75	.88
.44	6E7	3J330	1.75	.88
	6F7S	3J498	1.90	.95
.49		00.00	1.00	
.29				
.34	6 Y 5	3J499	1.90	_95
.34	6 Z 4(84)	3J500	1.25	.62
	6 Z 5	3J501	1.90	.95
.34	245	3J502	1.30	.65
.62	25 /25S	3J503	3.70	1.85
.49				
.62	275	0.1504		
.44		3,1504	.80	.40
	355/515	3.1505	1.40	.70
	46A1	3J506	1.10 1.10	.55
.44	46B1	3J507	1.10	.55
.34	55 S	3J508	1.70	.85
.44				
.44	56AS	3J509	1.30	.65
.34	56S	3J510	1.30	.65
	57AS	3J511	1.75	.88
.44	57S	3J512	1.75	.88
.49	58AS	3J513	1.75	.88
.49	58S	3J514	1.75	.88
.34	75S	3J515	1.70	.85
.49	85AS	3J516		.85
	OJMJ	93910	1.70	.85
.44				

48 49 50	3J566 3J567 3J568	2.50 .99 2.50	1.25 .49 1.25	Sparton Types						
53	3J569	1.25	.62	182B	3J590	1,50	.75			
55 56 57	3J570 3J571 3J572	.99	.49 34.	183	3J591	1.50	.75			
58 59	3J573 3J574	.89 .89 1.25	.44 .44 .62	485	3J592	1.50	.75			
Deduct An Additional 10% Disc. on Orders for 25 or More Tubes										

Champion Sampler



Buy the Champion Sampler Assortment of 18 tubes and save over 25%.

Save over 25%.

Your discount figures 60% on the "Sampler" package of Champion tubes. With such a discount there is big profit in them for you. You can sell these tubes at a discount if you want to, but you don't have to in order to move them. They are attractively boxed and will show up as well or better on your tube checker than any other standard brand... and your trade will accept them just as readily. Each tube is boxed in an individual sealed Champion carton and the entire assortment of eighteen tubes is packaged in a giant Jumbo sealed shipping carton. Order a "Sampler" today ... we know that Champion tubes will give your customers perfect, sweet-toned reception and that they will also longer.

Quantity	Type	List	List
3 3 3 3 3 3	24A 26 27 45 71A 80	\$0.89 .59 .69 .69 .69	\$2.67 1.77 2.07 2.07 2.07 1.77
	Total Lis	t Price	\$12,42 495

Champion Champacs

Special low net prices on quantities of popular replacement type Champion Tubes. Your discount figures approximately 80%. Each tube is packed in a sealed Champion container and the quantity of eighteen tubes is boxed in a glant Jumbo sealed shipping container. Eighteen tubes of one type must be ordered.

Stock	Consists	List	Net
Num,	of	Price	Price
3J311	18 type 01A	\$10.62	\$4.55
3J312	18 type 26	10.62	4.55
3J313	18 type 80	10.62	4.55
3J314	18 type 27	12.42	4.95
3J315	18 type 45	12.42	4.95
3J331	18 type 71A	12.42	4.95
3J332	19 type 24A	16.02	6.45

Radolek TUBE CHART With Blas Resistor Data and Total Power Consumption of all standard American Made Radio Receiving Set Tubes.

See Explana	atory Note, B	ottom	of Pag	e 111	, n	#		BC	lax.	82	Grid V.	nended	cation and Sain	nended fate 1. C. Res.	Sutput tts	ower
Bottom View of Sockets	Tube Circuit Diagram	Туре	List	Purpose	Filament	Filament Amps.	Plate Volts	Plate Milliampe	Screen Volts Max.	Screen	Neg. G Bias V.	Recommended Ohms Blas Resistor	Amplification Factor and D. B. Gain	Recommended Ohms Plate Load A. C. Plate Res.	Power Output Milliwatts	Max. Power Consumption
P2 (174) K1862 P2 (2 53) K2	GJ PJ PZ KNGZ XXXXX	2B6	\$2.50	Doube A-F Amp. Values for Dutput Sec.	2.5 A. C.	2.25	350	45			-24 +2.5	8000 540 14 & 5 W.	26.4	5000 11000	5000	21.4
56 (1) P2	S S S S S S S S S S S S S S S S S S S	287	1.35	AVC Duo-diode Pentode	2.5 A. C. D. C.	0.8	250	9	125	2.3	- 3	266 Watt	730 <i>3</i> 7	650000		4.5
	<i>-</i>	6A3	1.60	Power Amplifier Triode	6.3 A. C. D. C.	0.8	250 300	60 40	Sir Push- With	ngle Pull Indepen	-45 -62 d. Fixed	750 10 Watt Bias P. P. C	4.2 4.2 Output	2500 500 3000	3500 10000 15000	20
2 (3 · 3) 8G	c \$ 50	6A4	1.35	Pentode Pwr. Dutput Same as LA	6.3 A. C. D. C.	0.3	180	22	180	3.9	-12	463 2 Watt	100	8000 48800	1400	6.6
66366	CAN C	6A6	1.25	Class B Power Amplifier	6.3	0.8	300	125	per	plate	0	0 per	plate	10000	10000	42.6
4,500	K S			Class A Driver	6.3	0.8	250	6			-6	1000	35			6.5
CS-S CS-SCS CS-SCS-CS-CS	G4 63.5 G1 G2	6A7	1.35	Mixer Dscillator	6.3 A. C. D. C.	0.3	250	3.5	100 Anode 200	Grid #2	- 3	525 Watt		360000		3
2 C K	6 X	6B5	2.25	Single Power Amplifier Push-Puil	6.3 A. C. D. C.	0.8	300 440	45 45	per	plate	0	0 plate to	plate	7000 10000	Sgle. 4 P.P.10 20	18.5 25 pe Tube
SG PIPE	S 50	6B7	1.35	Diode Pentode	6.3 A. C. D. C.	0.3	250	9	125	2.3	- 3	265 Watt	730 <i>37</i>	850000		4.4
SG SUP G	SUP Sa	6C6	1.10	Var-Mu R. F. Pentode	6.3 A. C. D. C.	0.3	250	2.3	100	1	- 3	910 Watt	1500	1.5 Meg.		2.5
5 C P P P 2	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	6C7	1.90	AVC Diode Pentode	6.3 A. C. D. C.	0.3	250	5.5			- 9	1635 1635 Watt	20 26	10000		3.3
SC TO SUP C	SUP SG	6D6	1.00	Var. Mu R. F. Pentode	6.3 A. C. D. C.	0.3	250	7.5	100	1.75	- 3	324 ½Watt	1280 41	8000000		4
5G (3,3,0) S S p (2,3,0) K G	SUP SG SS.	6D7	1.75	R. F. Pentode	6.3 A. C. D. C.	0.3	250	2.3	100	1	- 3	910 %Watt	1500	1.5 Meg.		2.5
P FARGET	G West	6E5	1.60	Tuning Indicator	6.3 A. C. D. C.	.3	250	.25	250	4.5	-8					3
C K CI P PI	c	6E6	1.70	Twin Triode Power Amp.	6.3 A. C. D. C.	.6	250	36			27.5	770 1 watt	6 12	1400 1750	600	12.8
SG (17, SUP SS (2 5) K	SUP SG	6E7	1.75	R. F. Pentode	6.3 A. C. D. C.	0.3	250	7.5	100	1.75	- 3	324 ½Watt	1160	800000		4
SG (13) G1 A (13) X	S S S S S	6F7	1.60	Mixer, Ose. Triode Pentode	6.3 A. C. D. C.	0.3	250	6.5	100	1.5	- 3	375 32 Watt	900	850000		3.7
SC ST SK K		12A5	2.10	Double Heater Pentode	12.6 A. C. D. C.	0.3	180	40	180	9	-27	551 5 Watt		4500	2800	12.6

The New Metal Envelope ["Steel" "Octal" Tubes

	110	** 1		at Dila	rant		r ,	J LC			U	cas		uve	•	
		6C5	1.25	Det. Amp. Triode	6.3 A.C. or	0.3 D.C.	250	8			-8		20 16	10,000		3.9
G CAP	£ 5	6F5	1.25	Hi-Mu Triode	6.3 A. C. D. C.	0.3	250	.9			-2		100			2.2
56	G 55	6F6	1.50	Power Amplifier Pentode	6.3 A.C. D.C.	0.7	250	34	250	6.5	-16.5		220 Appro	7,000 x 100,000	3	14.7
A SOLVEN	× 5 ×	6Н6	1.25	Twin Diode	6.3 A.C. D.C.	0.3	A.C. 100 v.	D.C. o	utput cu	rrent 2	mill. ma	ximum		I———		
SG CAP	SP SC	6,17	1.60	Triple Grid Det. Amp.	6.3	0.3	250	2	100	.5	-3		1,500 plus	1.5 meg. plus		2.6
SG CAP	SP	6K7	1.50	Triple Grid Super Control Amp.	6.3 A.C. D.C.	0.3	250	7.	100	1.7	volts.	No. 13 Grid Nc. 3 o Cathode	1160	.8 meg.		3.9
SC CAP	SC MC	6L7	1.75	Used as Penta- grid Mixer	6.3 A.C. D.C.	0.3	250	3.5	150	8.	-6. 0	d No. 1 Grid No. 3, -20		2 meg.		3.6
SG SE CAP	SG	6L.7	1.75	Used as Amplifier			250	5.3	100 G 2&4	5.5	Gri	ds 1 & 3 -3		.8 meg.		3.8
C S COLD	GA GA	6A8	1.75	Pentagrid Converter	6.3 A.C. D.C.	0.3	250		Grids 3 & 5 100		Gr	ld No. 4 -3	(Grid	e grid volta No. 2) T errent 14 Mi	otal C	athode
	S -0	6Q7	2.00	100 Diode Triode Amp. Det.	6.3 A. C. D. C.	.3	100v. A. C. 250	1.2	D.C	. outp	ut curre	nt 2 m.a. m	aximum 70 30	59000		2.0
	5 - 0	6R7	2.00	Diode Triode	6.3 D. C. A. C.	.3	250	9			-8		16	15000 8600	280	4.1
SC CONTROL OF THE SCHOOL SCHOO	GSG	25A6	1.75	Power Amplifier Pentode	25 A. C. D. C.	.3	180	40	135	8	-20		96 33	5000 40000	2750	15.8

HYGRADE mia.

The Set Tested Tubes

Sylvania tubes have earned an enviable reputation for unerring uniformity of quality. Every Tube Is Tested Under Actual Working Conditions. Extensive national advertising has made Sylvania one of the most popular brands on the market. For a number of years, Sylvania has reached millions of consumers with various forms of advertising, including radio programs, newspaper and magazine advertisements. Through this means and through actual use, millions of homes prefer the Sylvania brand. A quality product, supported by financial strength to carry it through, makes clean merchandising possible

Sell At Full List Price

Sylvania Radio tubes are only advertised at full list price. Therefore, Sylvania tubes are the easiest to sell at the full list price. A complete line of quality merchandise, with strict resale policies, fair adjustment, and protection, insures a uniform profit. **Buy 25 Assorted Types**

Of Sylvania Tubes

And Receive an Additional 5%

Discount

When ordering Sylvania Tubes in lots of twenty-five or more deduct an additional 5% from the total net price of the tubes specified on your order. It is not necessary to buy twenty-five of one type tube in order to obtain the quantity discount. nunt

Type Num.

Stock

Number | Price

List



Sylvania Sales Helps



A Real Sales Help That Tells in a Flash!
Lithographed in five brilliant colors. Flasher socket intermittently illuminates sign. Reads "Buy Sylvania Set Tested Radio Tules" when flasher is on. For operation on 110 V. AC or DC. Size: 14½" wide, 11" high. 64%" deem.

or DU. Size: 1179 Wiley,

61½" deep.

3J293—Less Bulb. (With order for ten Sylvania Tubes.)

YOUR PRICE

Tube Stickers

Imprinted with Your Name 3F298

Your Price Roll of 2,000 \$1.00 Rolls of 2000 Stickers with

Stickers with spaces for no-tations of date sold or tested and the condition of the tube. Imprinted with three lines of copy—Your Name, Address and City or Phone Number. Print In-structions Plainly. Include Remittance with Order.

Tube Technical Manual



With Socket Layout Guide

37

39/44 41

311270

3H272

3H273

.80 1.00

1.00

1.00

A 100 page booklet full of valuable tube information. Covers the following subjects—Fundamental Properties of Vacuum Tubes. Classifications, Definitions, General Tube and circuit Information.

Heater Voltage Supplies, Volume Control Considerations, Definitions, General Tube and Ease Diagrams, Filtering. Tube and Base Diagrams, Symbols and characteristics of Sylvania Tubes. Handy Pocket size.

3F294-YOUR PRICE10c (With Order for 10 Sylvania Tubes)...Free

ble.	to obtain the	he quant	ity disc
Type	Stock	List	Your
Num.	Number	Price	Price
01A	3H232	\$0.70	\$0.34
1A1	3H228	1.00	.56
1A4	3H229	1.75	.98
1A6	3H233	1.35	.71
1B1	3H287	1.25	.70
1B4	3J344	2.00	1.08
1C1	3H288	1.00	.56
1C6	3H234	1.60	.85
1D1	3H289	1.25	.70
1E1	3H290	1.25	.70
1G1	3H333	1.25	.70
1V	3H235	1.00	.51
2	3H334	1.00	.56
3 4 5 2A3 2A5 2A6	3H340 3H341 3H342 3H236 3H237 3H238	1.10 1.00 1.10 1.35 1.10 1.10	.62 .56 .62 .71 .57
2A7	3H239	1.35	.71
2B7	3H240	1.35	.71
5Z3	3H241	1.00	.51
6	3H363	1.50	.84
6A3	3H286	1.60	.83
6A4/LA	3H242	1.35	.71
6A6	3H243	1.35	.71
6A7	3H244	1.35	.71
1B5/25S	3H285	1.35	.71
6B5	3H378	2.25	1.25
6B7	3H245	1.35	.71
6C6	3H246	1.10	.57
6D6 6E5 6E6 6F7 7	3H247 3H396 3H399 3H248 3H211 3H212	1.00 1.60 1.70 1.60 1.10 1.10	.51 .85 .85 .85 .62 .62
9	3H213	1.10	.62
10	3H249	2.10	1.12
12A	3H250	.80	.39
12Z3	3H251	1.10	.57
12A5	3H252	2.10	1.20
12A7	3H253	2.20	1.26
15	3H254	2.00	1.14
18	3H255	2.00	1.14
19	3H256	1.10	.57
20	3H257	1.10	.57
22	3H258	1.35	.71
24A	3H259	1.00	.51
25 Z 5	3H260	1.10	.57
26	3H261	.70	.34
27	3H262	.80	.39
30	3H263	.80	.39
31	3H264	.80	.39
32	3H265	1.35	.71
33 34 35/51 36	3H266 3H267 3H268 3H269	1.10 1.35 1.00 1.00	.57 .71 .51

42 43 45 46	3H274 3H275 3H276 3H277	1.10 1.10 .80 1.10	.57 .57 .39
47 48 49 50 53 55	3H278 3H279 3H280 3H281 3H282 3H283	1.00 2.60 1.10 2.60 1.35 1.10	.51 1.42 .57 1.42 .71 .57
56 57 58 59 71A 75	3H284 3H345 3H346 3H347 3H348 3H349	.80 1.00 1.00 1.35 .80 1.10	.39 .51 .51 .71 .39
76 77 78 79 80 81	3H350 3H351 3H352 3H353 3H354 3H355	.80 1.10 1.10 1.35 .70 2.10	.39 .57 .57 .71 .34 1.14
82 83 83 84 84 85 89	3H356 3H357 3H395 3H358 3H359 3H360	1.00 1.00 1.60 1.35 1.10 1.10	.51 .51 .85 .71 .57
V-99 X-99	3H361 3H362	1.10 1.10	.57 .57
s	parton T	ypes	
182-B 183 485	3H364 3H365 3H366	\$1.65 1.65 1.45	\$0.94 .94 .82
_		ypes	
2A7\$ 2B7\$ 2B7\$ 25/4\$ 25/4\$ 2Z4/G84 6A7\$ 6B7\$ 6C7 6D7 6E. 6F7\$ 6F7\$ 6Z4(84)	3H367 3H368 3H369 3H370 3H371 3H372 3H373 3H374 3H375 3H376 3H377 3H358	\$2.30 2.10 2.65 1.85 2.30 2.10 1.90 1.75 1.75 1.90 1.90 1.30	\$1.31 1.20 1.51 1.05 1.31 1.20 1.08 1.00 1.08 1.08

	_	
estic 1	ypes	
1367	\$2.30	51.31
H368	2.10	1.20
H369	2.65	1.51
H370	1.85	1.05
H371	2.30	1.31
H372	2.10	1.20
1373	1.90	1.08
1374	1.75	1.00
H375	1.75	1.00
1376	1.90	1.08
1377	1.90	1.08
1358	1.30	.71
1379	1.90	1.08
H380	1.30	.74
H381	2.70	1.54
H382	.80	.46
1383	1.40	.80
1384	1.10	.63
1385	1.10	.63
1386	1.70	.97
1387	1.30	.74
4388	1.30	.74
1397	1.75	1.00
1398	1.75	1.00
1391	1.75	1.00
1392	1.75	1.00
1393	1.70	.97

Free Price Lists and Service Booklets



Free with Order for Sylvania Tubes

3J295-List Price Folders. Twenty-five supplied. Free 3/1296—Service Hints. A 64 page booklet containing service informa-tion covering peculiarities of specific receivers and miscellaneous informa-tion covering Amplifiers, Auto Radios, Resistors, Transformers, Free Resistors, Transformers,
Tubes, Etc.

3J297 Auto-Radio Installation and Servicing. An 80 page booklet containing valuable information on Auto Radio Installation, Interference Suppression, Service Hints and Auto Radio Type Free Free uhes.

Flashlight Screw Driver



With Order for 25 Sylvania Tubes... Free

Light is focused on screw at point of driver. Nickel plated metal parts. Fine tool steel blade fits all radio screws. Clip attached for conveniently carrying in vest pocket. Supplied complete with battery.



Type Num.	Number	Price	Price
5Z4 6A8	3J3074 3J3073	\$1.60 1.75	\$0.89
6C5 6F5	3J3066 3J3067	1.25	.70
6F6 6H6	313068	1.50	.84
6J7 6K7	3J3070 3J3071	1.60	.89
61.7 6Q7	3J3072 3J3075	1.75 2.00	.98
6X5 25A6	3J3076 3J3077	1.75 1.75	.98
25Z6	333078	1.75	.98

3H392 1.75 1.00 As new types of All Metal Tubes are placed on the market. Radolek will promptly have them in stock for you at lowest prices.

.39 .51

.51 .51

6Z5

25 /25S 27S

355/51S 46A1

46B1

55S 56AS

57AS 57S 58AS

585

75S 85AS

31 31

31

31

31

3 31 31

31 31

31

Radolek TUBE CHART

With Bias Resistor Data and Total Power Con- Page III sumption of all standard Receiving Set Tubes.

See Explai	natory Note,	Bottom	of Pa	ge III	t t	l l		8	fax.	PG.	. Grid	nended slas	cation and	nended late 1. C.	Sutput tts	ower
Bottom View of Sockets	Tube Circuit Diagram	Туре	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliampe	Screen Volta Max.	Screen Milliampe	Neg. G. Blas V.	Recommended Ohms Blas Resistor	Amplification Fuctor and D. B. Cain	Recommended Ohms Plate Load A. C.	Power Output Milliwatts	Max. Power
P K	27	55	\$1.10	Diode Lo-Mu Triode	2.5 A. C.	1	250	8			-20	2500 ½ Watt	8.3 14	20000 7500	350	0 4
	: 🕏	56	.80	Improved Triode	2.5 A. C.	1	250	5			-13.5	2700 1 Watt	13.8	9500		3.
S C SUR C	SUP SG	\$7	1.00	Hi-Mu. Det. R. F. and Dsc.	2.5 A. C.	1	250	2	100	0.5	- 3	1200 1 Watt	1500	1.5 Meg		3
SG SUP G	SUP S G	58	1.00	VarMu R. F. Amp.	2.5 A. C.	1	250	8.2	100	2	- 3	294 14 Watt	1280	0.8 Meg		4
~6	10	59	1.35	3 Grid Triode	2.5 A. C.	2	250	35	250	9	-18	408	100	6000	3000	16
S G (S SUP)	SUP SG			Pentode	A. C.		250	26	As T	rtode	-28	1150	6	5000	1250	11
					-		400			Class 44		ļ		6000	20000	-
	<i>-</i>	71A	.80	PwrAmp. Triode	5 A. C. D. C.	.25	180	20			-43	2150 2 Watt	3 8	4800	790	4.
P CONTRACTOR	PI X	75	1.10	Double Diode Hi-Mu Triode	6.3 A. C D. C.	0.3	250	0.8			-2.	2500 14 Watt	50 26			2.
S C SUP G	SUP SG	77	1.10	HI-Mu R. F. Pentode	6.3 A. C. D. C.	0.3	250	2,3	100	0.6	- 3	1035 14 Watt	1500 48	1.5 Meg		2.
S C SUP G	SUP SG	78	1.10	Var. Mu. R. F. Pentode	6.3 A. C. D. C.	0.3	250	7	100	2	- 3	334 14 Watt	1160	0.6 Meg		3.
P S P CI	6 61	79	1.35	Class "B" Twin Triods	6.3 A. C. D. C.	0.6	180	7.5		.	Class	··B"	- -40	7000	5500	-
Property C	2 0 ~	85	1.10	AVC Diode Triode	6.3 A. C.	0.3	250	8	-		-20	2500 1 Watt	8.3	20000	350	3.
S C SUD C	SUP SG	87	1.65	R. F. Pentode Same as 57A	6.3 A. C. D. C.	0.4	250	2	100	1	- 3	1000 3 Watt	1250	7500		3.5
SS SUP C	sup sc	88	1.65	Var. Mu. R. F. Pentode	6.3 A. C. D. C.	0.4	250	8.2	100	3	- 3	270 ½ Watt	1280		-	4.9
SS SUP C	sup sc	89	1.10	Same as SSA -As a Triode or Pentode	6.3 A. C. D. C.	0.4	250 250	32 32	250	5.5	-31 -25	970 666	4.7	5500 6750	350 340	
SC SUP C	SUP SG	89	1.10	-As a Class "B" Amplifier	6.3 A. C.	0.4	180		-		0	1 Watt	34	9400	3500	-
<u> </u>	6 ()	UV99 UX99	1.10 1.10	Gen. Purpose Same as 299	3.3 D. C.	0.06	90	2.5			-4.5	"C" Batt.	6.6		-	-
~ (2) ~	(**)	181	- 1	Sparton Power Tube	3 A. C.	1.75	180	20			-32	1600 2 Watt	16.4	7000	1500	8.9
<u> </u>		401 403	4.00	Top Heater Kellog D'v'rhead Heater	3 A. C.	1	180	6			-13.5	2250 34 Watt	8.7	#170 14000		4
(2) Se	x-5	373 1A4	1.75	Triode Tetrode R. FI. F.	2.0 D. C.	.06	180	2.3	67	.7	-3	1000	14.5 720	7000		-
(10)		1A6		Amp.	-						 	1/8 watt	37	980000		
(10 3) C. S	61 0255			MixerOsc. Same as 15	D. C.	0.06	180	1.3	67.5 Anode 135	2.4 Grid #2 2.3	- 3	1037 16 Watt		0.5 Meg.		.6
	g-\$56	1B4	2.00	Based Detector R. F. Amplifler	D. C.	0.06	180	1.7	67	.4	-3	1500 14 Watt	780 36	1.2 Meg.		.4
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	200-000	255	- 1/	Det. Amp. Duplex Diode Triode	2.0 D. C.	.06	135	.8			-3	3750 1% watt	20 20	35000		.2
	<i>c</i>	2A3	1.35	Multi, Fliament Class "A"	2.5 A. C.	2.5	250 300	60 40	Push-P	ull ull	-45 -62	750 10 Watt d Bias. P-Pe	4.2 10	2500 5000 3000	3500 10000 15000	21.3
C) (C) C.	81 (35	1C4	1.60	Heptode Converter	D. C.	.13	180	2.8	67.5	0.1	- 3	_ arismli # -1			-5000	.6
SG (2, 2) X	£ 50	2A5]5	Pentode Dutput Same as 95 and PZH	2.5 A. C.	1.75	250	34	250	6.5	-16.5	407 4 Watt	220	780000	3000	14.5
Profit of the second se		2A6	1.10	Double Diode Hi-Mu Triode	2.5 A. C. D. C.	0.8	250	0.8			- 2	2500 14 Watt	50	1 Meg.		2.2
· ·	~ ()	2A7	1.35	Mixer, Dsc.	2.5 A. C. D. C.								26		L	

EXPLANATORY NOTE for Radolek Tube Charts

Watt rating recommended for bias resistor values is high enough to carry the A.C. component of the plate circuit. All bias resistors should be bypassed by sufficient capacity to handle 75% of the A.C. com-

ponent. Use the power consumption of tubes plus 15% for loss in resistors and bleeder circuits in determinating transformer size and power consumption.



RADIOTRON-CUNNINGHAM

Radio Tub

THE STANDARD OF COMPARISON

New Sealed Cartons

Cunningham Tubes and R.C.A. Radio-trons are identical in quality and trons are identical in quality and characteristics and are one and the same tube. The Radiotron and Cunsame tube. The Radiotron and Cunningham names are both stamped on the base of each tube. Both names appear on the new attractive red, white and black sealed cartons. Prices in effect at the time this catalog was printed are quoted. Price changes announced later will be promptly passed on to you. Fully guaranteed for six months, subject to the usual exceptions of burnouts and breakage.

Merchandising Aids

Merchandising Alds
More profit, greater volume, satisfied customers. Advertising builds confidence, as well as more business. Tie your firm name in with R.C.A. and profit by the millions of dollars R.C.A. spends on national advertising. You increase your customer's confidence in you when you handle reliable well known merchandise. The advertising pieces on this page have been selected because of successful results obtained on tests by leading servicemen. obtained on tests by leading servicemen. This is the most economical profit-producing publicity you can buy.

R. C. A. Sales Helps

Hammond Illuminated **Electric Store Clock**



4JI 1812-YOUR SPECIAL PRICE \$5

YOUR SPECIAL PRICE

A practical and useful sales help.
Every R.C.A. tube dealer should have
one. Harmonlously colored and artistically designed. Five attractive colors;
red, gold, black, blue and white. The
R.C.A. trademark is used to indicate
the hour markings. Entire case is
constructed of a heavy guage metal.
Heavy plate glass dial face. Large
size minute and, hour hands. Full
sweep second hand.
Securely mounted,
completely enclosed, Hammond synchronous movement. Also housed within the case are two 30 watt lamps for
night illumination. Metal case is
fitted with two eyelets for suspending
clock, 6' long cord and plug. For
60 cycle 90 to 125 volt operation.
Diameter 20", depth 6".

Dummy Cartons



For Display Only Exactly the same as the cartons regularly used on R.C.A. tubes. Shipped knocked-down. One entire side and bottom of carton

side and bottom of carlon is plainly marked, "For Display Purposes Only Not For Sale."

3793—Twe nty-five dummy cartons free with an order for 10 R.C.A. tubes.

RCA Metal Tube Manual



This manual con-This manual contains 27 pages of complete technical information covering features of the new R.C.A. All-Metal Radio Tubes.

31999-YOUR PRICE. 10¢

Type Num.	Stock Number	List Price	Your Price	Type Num.	Stock Number	List Price	Your Price
00A 01A 1A6	3F925 3F926 3F904	\$1.25 .59 1.25	\$0.73 .34 .73 .73	36 37 38	3F944 3F945 3F946	\$0.89 .69 .89	\$0.52 .40 .52
185/255 1C6 1	3J913 3F912 3F927	1.25 1.50 1.25	.88	39 40 41	3F947 3F948 3F949	.89 .69 .89	.52 .40 .52
1-V 2A3 2A5	3F931 3F900 3F901	1.25 .99	.52 .73	42	3F951 3F9 53	.99	.58
2A5 2A6 2A7	3F902 3F903	.99 1.25	.58	44 45 46	3F947 3F955 3F956	.89 .69 .99	.52 .40 .58
287 5Z3	3F915 3F920	1.25	.73 .52	47	3F957 3F958	2.50	1.47
6A4 6A6 6A7	3F907 3F910 3F911	1.25 1.25 1.25	.73 .73 .73	49 50 53 55	3F959 3F960 3F962 3F963	2.50 1.25 .99	.58 1.47 .73 .58
6B7 6C6 6D6	3F918 31 905 3F906	1.25 .99 .89	.73 .58	56	3F964	.69	.40
6E5 6E6 6F7	3J916 3J917 3F908 3F928	1.50 1.50 1.50 2.00	.88 .88 .88	57 58 59 71A 75	3F965 3F966 3F967 3F972 3F974	.89 .89 1.25 .69	.52 .52 .73 .40
WD-11 WD-12 112A 12Z3 19	3F929 3F930 3F932 3F922 3F909	1.25 1.25 .69 .99	.73 .73 .40 .58	76 77 78 79 80	3F975 3F976 3F977 3F978 3F979	.69 .99 .99 1.25 .59	.40 .58 .58 .73
20 22 24 A 25 Z 5 26	3F933 3F934 3F935 3F921 3F936	.99 1.25 .89 .99 .59	.58 .73 .52 .58 .34	81 82 83 83 V 84	3F980 3F981 3F982 3F971 3F983	2.00 .89 .89 1.50 1.25	1.18 .52 .52 .88 .73
27 30 31 32 33	3F937 3F938 3F939 3F940 3F941	.69 .69 .69 1.25	.40 .40 .40 .73	99 V 99 X	3F984 3F986 3F987 3F988 3F973	.99 .99 .99 .99 4.90	.58 .58 .58 .58
34 35	3F942 3F943	1.25	.73 .52	876 886	3F989 3F985	6.70 6.75	3.94 3.97
Deduct	An Additi	onal 100	7. Disc	on Ore	dore for 25	or More	Tubes

Deduct An Additional 10% Disc. on Orders for 25 or More Tubes Write for Prices in Larger Quantities

Radiotron New All-Metal Tubes



Designed by General Electric and developed and manufactured by R.C.A. Radiotren. The new all-metal tubes feature, unusual sturdiness, compactness, perfect shielding, quiet operation, better reception of short waves, new self-aligning octal base. The ness, perfect shielding, quiet opera-tion, better reception of short waves, onew self-aligning octal base. The new metal tubes are not interchangeable

Stock Your Number Price \$1.60 \$0.94 3J30253J3024 3J3017 3J3018 3J3019 3J3020 $\frac{1.75}{1.25}$ $\frac{1.25}{1.25}$ 1.03

with conventional glass types and should be only used as replacements in sets using metal tubes and in circuits especially designed for them. As new types of all-metal tubes are introduced, Radolek will promptly have them for you at the lowest prices.

The New Metal Radio Tube that's

"Sealed in Steel"

Every type in stock-

ready for Immediate shipment

Type Num. Stock Price Number 6J7 6K7 6L7 6Q7 25A6 3.13021 \$1.60 50.94 1.50 1.75 2.00 1.75 1.75 3J3022 3J3023 3.13026 3.13027 25Z6 3J3033

R. C. A. Sales Helps

Tube Stickers



Roll of 2000 Tube Stick-ers. Imprint-ed with your name, ad-dress and city city.

3F996-Your Price \$1.00

Every time you test a tube, nut on an R.C.A. Tube Test Sticker. Sew up the renewal sale. Makes every tube a selling agent for you. The cost is negligible, the value great. Has space for date sold, date lested, satisfactory, doubtful and unsatisfactory indications. Imprinted with 3-lines (Your name, address and city.) Print name plainly on your order.

Metal Flange Sign



3F994 YOUR PRICE

S TOO YOUR NAME HERE

four-colored enamel job A four-colored enamel job on nearly durable metal. Harmoniously lithographed on both sides. Your name will be individually hand-lettered on both sides of bottom panel. Sign is easily attached to building. Size overall 27" high, 20" wide.

name desired on sign clearly.

RCA De Forest Transmitting Tubes

Stock	Type	Your
Number	Number	Price
3J701	203A	\$17.50
3J702	211	17.50
3J703	800	10.00
3J704	802	3.90
3J705	801	4.50
3J706	841	3.25
3J707	845	20.00
3J708	852	16.40
3J709	860	35.00
3J710 3J711 3J712	864 865 866	1.60 12.75
3J712 3J713 3J714	868 885	2.25 6.00 2.00
3J715	906	18.00
3J716	954	5.80
3J717	955	3.75

							700	errinį	3 361	Tubes	•					
Bottom	Tube	Botton	of Pa	ge III	Filament Voits	Filament Amps.		Plate Milliamps	Screen Volts Max.	n tmpe	Grid V.	Recommended Ohms Blas Resistor	Amplification Factor and D. R. Gain	Recommended Ohms Plate Lead and A.C.	Power Output Milliwatts	Max. Power Consumption
View of Sockets	Circuit Diagram	Туре	List	Purpose	Filar	Filar	Plate Volts	Plate	Scree	Screen Milliamps	Neg. Blass	Recor Ohms Resist	Ampl Fact	Recon Ohms Load	Power	Max. Consu
SC CONTRACTOR	\$ 50	35	\$1.00	Var. Mu. Same as 51	2.5 A. C.	1.75	250	6.5	90	2.5	- 3	333 Min.	420 37	\$50000		6.2
SC C	i 50	36	1.00	Gen. Pur. Tetrode Same as 64A,	6.3 A. C. D. C.	0.3	180	3.1	90	1	- 3	750 ½ Watt	525 38	300000		2.9
D (1) X	: (5)	37	.80	Triode Same as 67A	6.3 A. C. D. C.	0.3	180	4.3	-	_	-13.5	3150 1 Watt	9.2			2.8
SC C	g - sc	38	1.00	Pentode Same as 68A	6.3 A. C. D. C.	0.3	180	14	180	2.4	-18	1100 2 Watt	120	11600	1000	4.8
p of or	c sc	39	1.00	Var-Mu Pentode Same as 44 and 65A	6.3 A. C. D. C.	0.3	250	5.8	90	1.4	- 3 Min.	417 14 Watt	1050 40			3.5
	g-(2)	40	.75	Early HI-Mu Triode	D. C.	.25	135	0.2			- 1.5		30	1.5 Meg.		.8
	r-(^)	40 501	6.00	Arcturus-Dia, T, Sonora Spec.	15 A. C.	0.35	180	21			-40.5	"C" Batt.	3	4000		9
20 30 0 ×	s sc	41	1.00	Pwr. Output Pentode	6,3 A. C. D. C.	0.4	180	18.5	180	3	-13.5	627 2 Watt	150	9000	1500	6.4
\$6(1, 1)K	c	42	1.10	Pwr. Output Pentode	6.3 A. C. D. C.	0.7	250	34	250	6.5	-16.5	407 4 Watt	220	7000	3000	14.5
SC SX	G SG	43	1.10	AC-DC Pwr. Output Pentode	25 A. C. D. C.	0.3	100 135	20 34	100 135	4 7	-15 -20	625 488	90 80	4500 4000	900	13
50 0 0 N	csc	44 (39-44)	1.00	Vari-Mu or R. F. Det.	6.3 A. C. D. C.	0.3	90	5.6	90	1.6	- 3	3 Watt 417 ½ Watt	360	45000		2.5
- GJ	o-(3)	45	.80	Pwr. Output Triode	2.5 A. C.	1.5	250	34			-50	1470 3 Watt	3.5	375000 3900	1600	12.3
- Gran	\$	46	1.10	Dual Grid	2.5	1.75	250	22			-33		5.6	1610 6400		
P (3 4) SC	6-00			Class "B"	A. C.		300		l	CI	nss "B"	·	0.0	5800	20000	9.9
e (3) 56	csc	47	1.00	Pentode Output Same as PZ	2.5 A. C.	1.75	250	31	250	6	-16.5	446 4 Watt	150 \$4.5	7000	2700	13.6
SC () C () K	csc	48	2.60	AC-DC Pentode Output	30 A. C. D. C.	0.4	95	47	95	9	-20	357 4 Watt	28	2000	1600	17.3
-000	7 0	48		Arcturus-Dia, T.	15	0.35	90	4.5			<u> </u>		22	10000		
	6-(-)	RAI	4.50	Sonora Spec.	A.C.	0.00		2.0			- 4.5	"C" Batt.	10.9 20.8	18000 9000		6
P (3) 3G	6 56	49	1.10	Dual-Grid Pwr. Output	D. C.	0.12	135	5.7			-20	3500	4.5	11000	170	1
	+0	50	2.60	Extra Heavy	7.5	1.25	180			CI	ass "B"	ı 		12000	3500	
	g-(+)		2.110	Powr. Output	7,5 A, C.	1.20	100	55			-70	1275 10 Watt	3.8 9.5	3670 1800	3400	31.4
P(3.13)K	g = Sc	51	1.00	Var. Mu R. F. (Substitute Type 35)	2.5 A. C.	1.75	180	6.3	90	2.5	- 3	410 Min.	305			5.7
SC SUP C	SUP SG	52	1.70	Tetrode Class "B" (Substitute	6,3 A. C. D. C,	0.3	100	42		<u> </u>	Clare	"B" only a		300000	l	
	R P	53	125	Type 89)			200					_ Jiiiy 2	,		,	
P2 (2, 50) P1	CI GZ	-35 	1.35	Twin Triode Class "B"	2.5 A. C.	2	300			Cla	ss "B"		21.9	10000	10000	
															1	

R.C.A. Radio Tube Manual



Page 8

3F991—R.C.A. Cunning-ham Radiotron Tube Manual and 17x22 Tube Chart.

YOUR PRICE

20c

The Manual contains 154 pages of complete information covering all current types of Receiving Tubes;
—31 pages with diagrams covering theory of tube operation and illustrations showing processes of manufacture;—109 pages covering technical details, specifications, installation and application information, characteristic charts and base layout diagrams;—10 pages of circuit diagrams showing tube uses;—Complete index giving in detail various subjects covered. Size 6 by 9 inches, Finely printed on heavy paper, The 17x22 Chart has all technical details in compact form. Very convenient for hanging on wall of Service Shop for quick reference.

R.C.A. Cabinet Refinishing Kit



Every Serviceman Needs One 3F2071 YOUR

\$2.90

R.C.A. has made up a kit of the essential materials used by their own cabinet refinishers and packed them in a folding leatherette case. All the necessary material for repairing scratched, dented, bruised and otherwise marred furniture are included. Deep scratches and cuts can be easily repaired.

Contents of Kit

1-can Refco Oil for cleaning; 1-can of Lubricant for rubbing; 1-can of Tripoll for an abrasive powder; 1-assortment of sandpaper; 1-assortment of stick shellac; 2-packages Anliline Stain powders; 1-touch-up brush; 1-spatula; 1-rubbing block; 1-instruction sheet. Packed in a durable 9½"x1½"x2½" leatherette case.

R.C.A. Output Indicator

Model TMV-121A
For Use with Any Oscillator 3F2500—Complete with Neon Lamp.

VOUR PRICE ... \$4.00

High Sensitivity
No Burn-outs in normal Use
Use It on any receiver
Has three impedances
Sturdy and foolproof
Attractive bakelite case
The R.C.A. Output Indicator
is a small. compact, visual
output indicator designed for
use with an oscillator when
aligning radio receivers. The
instrument consists of a
tapped step-up transformer,
a potentiometer, a glow tube and three binding
posts for connecting the output of the receivers
to the transformer, Three input impedances are
available, namely, 0.6 ohm. 1.5 ohms and 4 ohms,
which cover practically all receivers manufactured.
The neon lamp glows when a signal is impressed
on the output indicator, showing variations in
frequency and intensity, Attractive die-cast bakelite case. Size: 5%xz%xz% inches.

THE RADOLEK COMPANY



4-Pillar Construction

Raytheon 4 Pillar Construction is Superior Raytheon 4 Pillar Tubes come to you exsattly as they leave the laboratory. Four Strong Pillars keep the elements in place, maintaining the hairline accuracy with which they were assembled. Because of their unique construction, they will stay that way throughout their long life. Heavy that way throughout their long life. Heavy wibrations caused by the Dynamic Speaker, knocks and bumps incident to store-handling—the slight mishaps that impair and even ruin ordinary Tubes leave Raytheons unaffected.

Free Advertising Material

arresting window displays, window streamers, displays, window displays, window streamers, display stands, consumer leaflets, data charts, etc., are issued by Raytheon. If you can use this material please advise us when placing your order for advise us when placing your order for Raytheons and we will place your name on the list to receive advertising material.

Nationally Advertised

It will never be necessary for you to "sell" a customer Raytheon 4-pillar Tubes—The millions of advertising dollars that have, and are, being spent to impress the public with this exclusive patented feature, have firmly established Raytheons in the minds of Set owners as the standard of quality by which other Tubes are judged. With such tremendous nationwide publicity and universal public acceptance behind them, Raytheon 4-pillar Tubes will sell themselves. Tubes will sell themselves.

Complete Selection
Raytheon 4-pillar Tubes are made in all types—including spray-shield—to fit any set. With this line you have a Tube for every customer—no lost sales.

6 Month Guarantee

Each Raytheon tube is fully guaranteed for 6 months, subject to the usual excep-tions of burnouts and breakage.

Walnut Parts Cabinets



YOUR PRICE \$1.95

An attractive and convenient storage place for small radio repair parts such as resistors, condensers, botts, makes, solder lugs, small coils, etc. Six drawers, each with three removable partitions. Securety fastened knobs. Has sufficient space to hold up to 500 l-Watt carbon resistors. Two or more cabinets may be placed side by side or on top of each other to make a chest of drawers of any desired storage earnactiy. Constructed of ¼" Genuine Walnut. Will stand hard usage. Tremendously useful and adds to the anpearance of any service bench. Overall size 6%" wide. 8%" high, 5%" deep.

GLØBE

Radio Batteries



Highest Quality materials and workmanship. Extra heavy thick plate construction holds charge much longer than ordinary batteries of similar capacities. Longlived—Especially designed for 6 Volt Farm Radio Sets. Sturdy leakproof one piece containers. Equipped with heavy bale handle. F.O.B. Shipping Point Near You.

6 Volt Batteries

90 Ampere Hours 125 Ampere Hours

90 Ampere Hours 125 Ampere Hours 12 Mo. guarantee 3J15— 18 Mo. guarantee 3J17— Your Price. \$4.90 Price \$7.23

150-175 Ampere Hours, 18 Months

guarantee.
3JI6—List Price, \$17.25. \$9.95

Type Num.	Stock Number	List Price	Your Price	Type Num.	Stock Number	List Price	Your Price
00-A	3H781	\$1.35	\$0.68	33	3H797	\$1.10	\$0.55
01-A	3H782	.65	.33	34	3H798	1.35	.68
OZ3	3H841	1.35	.68 .50	35/51 36	3H799 3H800	1.00	.50 .50
1-V 1A4	3H783 3J764	1.00	.88	36	3H801	.75	.38
1A6	311765	1.35	.68	38	3H802	1.00	.50
1B4/951	3 J 762	2.00	1.00	39/44	3H803	1.00	.50
1B5/25S	311808	1.35	.68 .80	40	3H804	.75	.38
1C6	3H610	1.60	.00	41	3H805	1.00	.50
2A3	3H766	1.35	.68	42	3H806	1.10	.55
2A3-H	3H611	1.35	.68	43	3H807	1.10	.55
2A5	3H767	1.10 1.10	.55 .55	45	3H809	.75	.38
2A6 2A7	3H768 3H769	1.35	.68	46	3H810	1.10	.55
2B7	3H770	1.35	.68	47	3H811	1.00	.50
				48	3H812	2.60	1.31
5 Z 3	3H771	1.00	.50 .68	49 50	3H813 3H814	1.10 2.60	.55 1.31
6A3 6A4/LA	3H815 3H772	1.35	.68	30	311014	2.00	
6A6	3H612	1.35	.68	52	3H816	1.70	.85
6A7	3H773	1.35	.68	53	3H817	1.35	.68
6B5	3H859	2.25	1.13	55 56	3H818 3H819	1.10	.55 .38
6B7	3H774	1.35	.68	57	3H820	1.00	.50
ece	3H775	1.10	.55	58	3H821	1.00	.50
6D6	3H776	1.00	.50				
6E5	311889	1.60	.80 .85	59 71A	3H822 3H823	1.35	.68
6E6 6F7	3H890 3H777	1.70	.80	75	3H824	1.10	.55
U				76	3H825	.75	.38
6 Z 4	3H833	1.35	.68	77	311826	1.10	.55
10	3H784	2.10	1.05 .68	78	3H827	1.10	.55
WD11 WX12	3H785 3H786	1.35	.68	79	3H828	1.35	.68
12A	3H787	.75	.38	80	3H829	.65	.33
12A5	3H778	2.10	1.05	81	3H830	2.10	1.05
1227	211012	2.20	1.11	82 83	3H831 3H614	1.00	.50
12A7 12Z3	3H613 3H779	1.10	.55	83V	3H832	1.60	.80
15	3H872	2.00	1.00	1			
19	3H788	1.10	.55				
20	3H789	1.10	.55	84 85	3H833 3H834	1.35 1.10	.68
22	3H790	1.35	.08	89	3H835	1.10	.55
24A	3H791	1.00	.50	V99	3H836	1.10	.55
25 Z 5	3H780	1.10	.55	X99	3H837	1.10	.55
26	3H792	.65	.33	950 951(1B4)	3J761 3H762	2.20	1.10
27 30	3H793 3H794	.75	.38	BA BA	3H838	7.50	3.77
31	3H795	.75	.38	BH	3H839	4.65	2.34
32	3H796	1.35	.68	BR	3H840	2.75	1.38
Ra	vtheo	n Ne	w	5Z4	3J3045	\$1.60	\$0.89

Raytheon New .98 .70 .70 3.13044 1.75 1.25 1.25 1.50 3J3037 3J3038 3J3039 **Metal Tubes** 1.25 1.60 1.50 1.75 2.00 .70 .89 .84 3J3040 3J3041 3J3042 3J3043 3J3048 6146 .98 1.12 6 X 5 6 Q 7 25 A 6 25 Z 6 0 Z 4 1.75 2.00 1.75 1.75 1.75 -98 3.13049 1.12 .98 .98 3J3046 3J3050 3J3051 3J3047

Buy Raytheon Tubes in Quantities

In lots of 25 or more there is an additional discount of 10% from prices specified on Glass, All-Metal and "G" type tubes.

Tube Stickers

Raytheon Tube Stickers Imprinted with Your Name Your Price One roll 1000 Stickers

\$1.00

3F874
Rolls of 1000 Stickers with spaces for notations of "Date Sold"—"Date Sold"—"Date Sold"—"Date Sold"—"Date Sold"—"Date Sold"—"Date Sold"—"Date Sold space for imprinting of dealers name. A good reminder for the consumer when ne needs new tubes. Imprinted with 3 lines of copy, (Your Name, Address, and City or Phone Number). Imprinting requires 30 days delay. Write Instructions plainly 31873—Roll of 1009 Stickers without your imprint. . . Free with order for Raytheon Tubes.

Dealer Price Cards

Shows prices for complete line. Also shows interchangeable tube types, 3F303—Free with order for Raytheon Tubes.

Technical Data Chart 3F305-Free with order for Ray-

Display Card

For counter or window display. Lithographed on a heavy cardboard in five attractive colors.
Size: 19%" high
and 11%" wide.
Card is fitted with
an easel for standing on counter.

3F304-Free with order for Raytheon tubes.





RAYTHEON **Octal Base** Glass Tubes Glass Tubes with Octal Bases

Octal Bases
Identical in electrical
characteristics and base
connections to the new
all-metal tubes, but
with glass envelope, Interchangeable with allmetal tubes having corresponding type num-

Type Num.	Stock Number	List Price	Your Price
5Y3 6A8-G 6C5-G 6F5-G	3J3126 3J3127 3J3128 3J3129	\$1.00 1.60 1.10 1.10	\$0.56 .88 .61
6F6-G	3J3130	1.30	.73
6H6-G 6J7-G 6K7-G 6L7-G 6Q7-G	3J3131 3J3132 3J3133 3J3134 3J3124	1.10 1.40 1.30 1.60 1.30	.61 .78 .73 .89

Copyright 1936 by W. C. Braun

							Rec	o/v/ng	Set 7	Tubes	•					
See Explar	natory Note, I	Bottom	of Pa	ge III	#	l l		Bdi	ſax.	be	Grid V.	nended	Amplification Factor and ap- prx. D.B. Gain	nended late nd A.C.	Sutput	ower
Bottom View of Sockets	Tube Circuit Diagram	Туре	List	Purpose	Filament Volts	Filament Amps.	Plate Volts	Plate Milliamps	Screen Volts Max.	Screen	Neg. G Bias V.	Recommended Ohms Bias Resistor	Amplific Factor	Recommended Ohms Plate Lond and A.C. Plate Res.	Power Output Milliwatts	Max. Power Consumption
	c-	00A	\$1.35	Detector Only	5 D. C.	0.25	45	1.5			5		20 21	30000		1.3
	•	01A	.70	General Purpose Triode	D. C.	0.25	135	3			- 9	3000 ½ Watt	8	10000		1.7
	e 📛	10	2.10	Power Amplifier Oscillator	7.5 A. C.	1.25	425	18			-39	2170 2 Watt	8	10000	1600	17
	<i>c</i>	12A	.80	Amplifier Detector	D. C.	.25	180	7.7			-13.5	760 34 Watt	8.5	10000	260	2.6
SC CC	g 36	14	1.50	Philco Special DetAmp.	14 D. C.	0.3	180	4	90	1.7	- 3	525 14 Watt	400	47000		5.1
SC C C	5 Sec	15	2.00	Mixer-Osc. Sub. 1A6	D. C.	.205	135	1.85	67.5	0.6	- 1.5	610 1 Watt	530 54.5	500000		.7
P () X		17	1.50	Philico Special Det,-Amp.	14 D. C.	0.3	135	4.5			- 9	2000 ½ Watt	9	200000		4.7
SC S	c Sc	18	2.00	Philco Power Pentode	14 D. C.	0.3	250	34	250	7.5	-16.5	400 4 Watt	220	9000	3000	14.6
C, (2, 3)	61 62	19	1.10	Class "B" Output	D. C.	0.26	135	25			0		40.0	10000	2100	3.9
	c ()	20	1.10	Early Batt. Triode	3.3 D. C.	0.132	135	6.5			-22.5	Batt.	3.3	6500 6300	110	1.3
(S) c	c \$ sc	22	1.35	Early Batt. Tetrode	3.3 D. C.	0.132	135	3.7	67.5	1.3	- 1.5	"C" Batt.	160	325000		1
SC C	g → sc	24A	1.00	Screen-Grid DetAmp.	2.5 D. C.	1.75	250	4	90	1.7	- 3	525 % Watt	630	600000		5.9
(2)°	<i>-</i>	26	.70	R. F. or A. F. Amplifier	1.5 A. C.	1.05	180	6.2			-14.5	2320 1 Watt	8.3	7500		2.6
P () X	2	27	.80	General Purpose Triode	2.5 A. C.	1.75	250	5.2			-21	4100 1.5 Watt	9	9250		5.8
	200	29		High Mu Oetector	2.5 A. C. D. C.	1	180	4.5			- 3	6675 1 Watt	30	300000		3.3
(2) (2) (3)	o-(5)	30	.80	General Purpose Triode	D. C.	0.06	135	3			- 9	3000 ½ Watt	9.3	10300		.53
	<i>c</i> ⊕	305		Spec. Triad S-W Tube	D. C.	0.06	135	3			- 9	3000 ½ Watt	9.3	10300		.53
	c ()	31	.80	Pwr. Amp. Triode	D. C.	0.13	135	8			-22.5	2800 or "C" Batt.	3.8	7000 4100	185	1.4
POSC C	c sc	32	1.35	R. F. Amp. Tetrode	D. C.	0.06	135	1.7	67.5	0.4	- 3	1425 or "C" Batt.	610	950000		.38
P (5) SG	c (sc	33	1.10	Pwr. Output Pentode	D. C.	0.26	135	14.5	135	3	-13.5	770 or "C"	70	7000	700	2.81
	c \$ 56	34	1.35	Var. Mu. R. F. Amp.	D. C.	0.06	135	2.8	67.5	1	- 3	800 or "C"	360	50000		.56
												Batt.	38	600000	ļ	

Electric "Neon-Effect" Sign A Business Stimulator that Brings RESULTS



3F10733-YOUR PRICE ONLY ... \$198

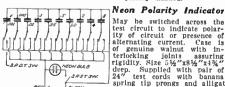
YOUR PRICE ONLY
This sign tells every passerby the location of your business. A sales help you need. The greatest sign value of this type ever offered. Sturdily constructed of metal. enameled black with aluminum finished time Background on glass is black and the words "Eadlo Serie are in red "neon-effect". Interior illuminated with single samp. Economical to operate. Easily read from a great distance. Lamp socket and attaching cord included. No lamp bulb included.

Size 15'x7'x5"

Radolek Condenser "Box"

Supplies from 0.0001 to Over 15 Mfd! A Device for Quickly Substituting Capacity Values in a Circuit Suspected of Having an Open

Values in a Circuit Suspected of Having an Open Condenser.
Contains a calibrated straight line variable condenser of 0.001 Mfd. maximum capacity and the following non-polarized 450 volt condensers: 0.005; 0.01; 0.25; 0.5; 1; Mfd. Three electrolytic filter condensers rated for 450 volt circuits: 2, 4, and 8 Mfd. respectively. Any of these capacities may be combined in parallel to secure a net value, the sum of the individual capacities. Each condenser is controlled by a SPDT toggle switch. This switch automatically discharges its individual condenser when not in use. Switches are plainly marked.



May be switched across the test circuit to indicate polarity of circuit or case is of genuine walnut with interlocking joints assuring rigidity. Size 5½" 28½" 24½" 24¼" deep. Supplied with pair of 24" test cords with banana spring tip promss and alligator spring clips. This is the best value on the market in a Condenser Test Bex.



Your Radio Dollar

Radolek's Determined Policy

"WHOLESALE ONLY"

It is the affirmed purpose of Radolek to solicit orders only from those commercially and actively engaged in the radio industry, and from a few other trade units which are recognized as entitled to receive wholesale prices. Radolek is primarily a Service Supply House catering to the Radio Merchant, Service Technician, Design and Research Engineer, Industrial and Institutional Laboratories, Public Utilities, Schools, Colleges, and those recognized as engaged in developing the Art of Radio. We also solicit and accept orders from certain Federal, State, County, Municipal and other Governmental Bodies and Institutions. You can Depend on Radolek.

Radolek Offers Only First Grade Standard Merchandise

New, Fresh, Clean Stocks. Every item listed in the Profit Guide is of dependable quality, and is guaranteed to give you the service you have the right to expect. We steadfastly avoid offering our customers "job-lot" or questionable merchandise regardless of how attractive the price may seem. Radolek does not take the word of any manufacturer as to quality or performance. Every single item that we offer you is first subjected to the most exacting investigation in order to make sure that you are getting merchandise that will give long and satisfactory service. Radolek offers merchandise of highest standard and quality at the right prices. You can Depend on Radolek,

Quality and Dependability at Reasonable Cost

Radolek has gone far in building advanced engineering and technical developments into practical Public Address apparatus. During the last year we have designed and produced an entirely new line of Public Address amplifiers which are being offered for the first time in this catalog. Every Radio Serviceman and every Radio Dealer should investigate this field. P.A. work offers attractive profits for the sale of installations and a steady income on rentals and maintenance work. Remember Radolek when you have a P.A. prospect. Radolek leads in the P.A. field. You can Depend on Radolek.

Complete Displays of Newest Radio Merchandise

Our Display Room has been remodeled to serve you more efficiently. A new sound in-sulated demonstration room for Public Address Amplifiers and Equipment will aid you

sulated demonstration room for Public Address Amplifiers and Equipment will aid you to compare and choose the most appropriate system for your installations.

An enlarged Radio Set section will help you to make a selection of the models most suitable for your trade. Our City trade and our visiting Out-of-Town Customers will appreciate the prompt and courteous service that we are organized to extend in the City Sales Division. You can Depend on Radolek,

We are located just 5 minutes from the center of the downtown "Loop" business district on the corner of Randolph and Jefferson Streets—no parking restrictions.

The Radolek Exchange Policy

We are most liberal in our Policy of rectifying any possible errors on your orders or in replacing defective merchandise. We observe a most fair and square unequivocal attitude on these points. You may depend on it, we will take care of any proper adjustments promptly and in a manner that will please you. However with the exception of errors on order filling, defective items or items sent in for repair we must insist that before returning any other goods to us that you first obtain our permission to do so. Simply write us, stating what you want to return, the reason for the return, the date of purchase, condition of goods, etc. We will answer you promptly giving you any necessary instructions. You can Depend on Radolek.

Convright 1936 by W. C. Braun

Copyright 1936 by W. C. Braun



THE RAIDOLES CO



"Bigger Value for

Restricted Catalog

Radolek Prices are Confidential

We at Radolek firmly believe that Radio Dealers and Radio Servicemen are entitled to We at Radolek firmly believe that Radio Dealers and Radio Servicemen are entitled to a Fair Trade Profit on every Service Call and on all Radio Merchandise sold by them. We try to help the Radio Trade get that fair Margin of Profit and to do all in our power to protect the private Trade buying advantages of our Trade Customers. We exercise painstaking vigilance to restrict the circulation of our catalog exclusively to those, who, in our opinion, are legitimately entitled to buy Radio Materials at wholesale prices. We go to great lengths in conscienciously trying to enforce this policy. We advertise only in Trade and Technical Publications and accept applications for our catalog only after careful checking or investigation. You can Depend on Radolck.

Repair Materials for Every Receiver

The most comprehensive stock of Radio parts in the country has again been amplified to include practically every conceivable radio item that you will require. Over 8000 separate items consisting of Repair Parts and Material, Test Equipment and Instruments, National Brands of Radio Tubes, Public Address Amplifiers and Systems, and a complete selection of Radio Ecceivers. Never before have such extensive listings of Replacement Transformers, Condensers, Resistors, Volume Controls and other Repair Parts been assembled under one cover and stocked complete by one organization dedicated to your service. cated to your service.

Depend on Radolek for Your Rush Orders

Depend on Kadolek for Your Kush Urders
Radolek is organized to handle your orders speedily and with intelligent personal attention. Radolek gives you service that satisfies. The thoroughly trained Radolek personnel understands your need for fast service and the entire Radolek organization is geared to fill your orders accurately and ship them rapidly. You can expect your orders to be on their way back to you the same day they are received by us. We can, and believe we do on the average, give to Radio Dealers and Servicennen within a radius of 500 miles of Chicago FASTER DELIVERY on Radio Merchandise than they can secure through any other channel of trade. Shipments can be laid down OVER-NIGHT in this area! Based on our own experience and a thorough understanding of the actual experience of others, we believe that our method of serving purstanding of the actual experience of others, we believe that our method of serving purchasers of Radio Material is the most satisfactory and economical ever devised.

Radolek Offers Best Values

Radolek prices are the lowest prices at which quality merchandise can be sold. Radolek prices give you the biggest value for your radio dollar. "Your Price" quoted through this catalog is the net wholesale price with all Trade and Cash Discounts deducted. You will find no ambiguous "quantity prices" featured in large type to mislead you. You know at a glance what each item costs you—and the prices quoted here are as low or lower than those quoted elsewhere for like quality high grade merchandise. "List Prices" given are either manufacturers List Prices or are intended by us as a suggested Retail Price. You can Depend on Radolek.

We have made large purchases and heavy committments for merchandise and materials. We expect to he able to maintain prices quoted during the life of this catalog. However we reserve the right to revise prices should market conditions compel us to do so. Should any prices advance we will protect you against increased prices for as long as is reasonably possible. We pledge ourselves not to profiteer — we will not raise prices unnecessarily. But where prices are advanced and as our stocks become exhausted we may be obliged to make adjustments. We hope no increase in prices quoted in this book will be necessary but there may inevitably be some adjustments.

Copyright 1936 by W. C. Braun

replaced. We are oble to make of the course of the control of the TELESTIC OF THE STATE OF THE ST

The RADOLEK

GUARANTEE

We guarantee purposed intendise to operate purposed intendise the for which with the purposed intendise to operate purposed intendise and for the purposed all merst desects it was a sarantee a gainst desects we guarantee by us against desects against des

We guarantee all merchandise to the color of the color of

in material and workmanship not does not which if returned or article arantee, repaired make this guarantee only because we proplaced water this guarantee

5 TUBE AC-DC DELUXE Your Choice of T.R.F. or Superhet Model

● Either Model Best In Its Class ■ Tunes 2 Bands 75 to 540 Meters

■ Gets Police Calls and Amateurs

Illuminated Airplane Dial

High Gain Dual Purpose Tubes

● Full 5 Inch Dynamic Speaker

An Exceptional Dual Wave Value

Thest are the finest 5 tube A.C.-D.C. Values we've offered. We selected these Quality Radios as the most powerful 5 tube A.C.-D.C. Deluxe Receivers. For those who want something "better" in a small set. Combines the highest type of fine reception with beauty and convenient portability. At this low money-saving price, no other Radio Receivers offer you all these superb features.

General Specifications of Both T.R.F. and Superhet Models
Operates on either 105-120 volt, A.C. or D.C. current—Tunes 2 Bands: 75540 Meters, receives Standard American and Canadian Broadcasts, Police
Calls, Amateurs—Illuminated Airplane Dial—Tapered Volume Control—Pentode Audio System and Full size Dynamic Speaker, produces tone quality far above average for receivers of this type.

Superhet Model

The High Gain Powerful Superhetero-dyne Receiver has greater Selectivity and Sensitivity, More Power and has and Sensitivity, More Power and has twice the distance getting ability of even the finest T.R.F. models. Easily cuts through locals. Automatic Volume Control counteracts fading. Built-in Filter. Built-in Line Buffer, Humless. 5 High Efficiency tubes: Types 6A7: 6D6; 75; 43; 25Z5.

BJ10926—Complete with Tubes. List Price, \$27:50.
YOUR LOW
PRICE

The T.R.F. Model

For those who want a Receiver for local reception and with a distance getting ability of from 500 miles to a maximum of 1500 miles, this Receiver will prove entirely satisfactory.

N better T.R.F. value or performance is offered at anywhere near this low price. 5 High Efficiency Tubes are used including 2 Dual Purpose Tubes. Types: 6C6. 6D6. 25Z5, 43, 50-A2. Blid Price. \$25.00.

List Price, S YOUR LOW PRICE



DeLuxe Walnut Cabinet
Both the Superheterodyne Model and the
T.R.F. Model are supplied in a Genuine Walnut Cabinet of artistic modern design. Beautifully grained and gorgetusly figured iront
panel. Straight grained Walnut top and sides.
Hand-rubbed, soft brown walnut finish. Size
overall: 11" wide, 8" high, 61/4" deep.

BE All-Wave SUPE





DeLuxe Super Performance

• Tunes 3 Full Bands

Superheterodyne Circuit

Automatic Volume Control Illuminated Airplane Dial

High Gain Dual Purpose Tubes

Double Tuned I. F. Coils
 Large 3 Gang Condenser

• 6 Inch Dynamic Speaker

The Radio Value Supreme. Greater Volume, Greater Distance, Better Selectivity! Performance and appearance that will please the most careful buyer. Has EVERYTHING you need . . . will bring in EVERYTHING you want to hear. Tunes 3 bands . . 550 to 1650 Kc., 1650 to 5200 Kc., 5700 to 17.500 Kc. Gets Foreign Reception sharp and clear. Amazing Long Range Reception on Broadcast, Amateurs, and all Clear. Amazing Long Kange Reception on Produced and Long Police bands, full volume and perfect tone. Illuminated Airplane Tuning Dial: with large, readable, well-spaced numerals for accurate tuning.

ing Dial: with large, readable, well-spaced numerals for accurate funing. Powerful Pentode Audio System:
Tremendous Power Output. Clear natural tone. Standard Quality Electro-Dynamic Speaker: 6½" diameter. Extra heavy construction of the cabinet and proper mounting of the speaker, produces tone quality far above the average. Tapered Volume Control: Automatic Volume Control: (A.V.C.) Live Rubber Condenser Mounting.

Balanced Superheterodyne Circuit:

Exceptional Sensitivity and Selectivity. New Type I.F. coils give more efficient operation. Power Line Noise Rejector: Built-in Line Buffer keeps line noises out of radio. 6 High Efficiency Tubes; Types 76; 6C6; 6D6; 75; 42; 80; giving eight tube performance. Both Circuits and tubes metal shielded throughout to attain maximum efficiency.

Price Table Model

For Operation on 105-120 Volts 50-60 Cycle A.C. Current.
BJ10933—6 Tube Superheterodyne Cemplete with tubes.
List Price, \$39.50. YOUR LOW PRICE

Beautiful Walnut Cabinet

Instrument panel is of heautiful pencil striped walnut flanked by columns of walnut finished in a contrasting darker shade. American walnut top and walnut finished sides. Beautiful hand rubbell piano finish. Size: 14½" high, 11¾" wide, 8"

Copyright 1936 by W. C. Braun

COMPAN



Superb Walnut Cabinet Beautiful Walnut Cabinet. Sturdily constructed. Front panel has handsome grain, Airplane Dial. Size: 11" Wide. 8" High. 512" Deep. BJ10931—4 tube AC.-D.C. Compact Receiver Complete with tubes. List Price, \$24.50.

In Lots of 3, Each, \$9.60

YOUR LOW PRICE, EACH

4 TUBE AC-DC COMPACT

- Tunes 540 to 175 Meters
- Illuminated Airplane Dial
- 5" Dynamic Speaker
- Gets Police Calls
- High Gain Tubes
- Fine Walnut Cabinet

An Honestly Built Quality Radio

The finest 4 tube AC-DC value we've ever offered. Dozens of samples were tested before we selected this Radio as the "top" in 4 tube AC-DC values. It is small —light—easy to operate—performs perfectly and is very attractive in appearance. The ideal "Personal" Receiver. Easy to carry anywhere. Operates on 105-120 volts A.C. or D.C. current. Gets Police Calls and regular American and Canadian Broadcasts. Excellent for use as a "second" or "spare" set in the Den, Bedroom, Kitchen, Sun Porch. etc. Has a full mellow tone and will bring in many distant stations with real wallop and without distortion. Built of quality materials, carefully assembled and thoroughly tested. This Superb Receiver will outperform similar instruments selling at much higher prices. selling at much higher prices.

Major Tone Features

Pentode Audio System: Clear natural sweet tone. Standard Quality Electro-Dynamic Speaker. Full Size. Extremely sensitive. Extra heavy construction of cabinet, and proper tremely sensitive. Extra heavy construction of cabinet, and proper mounting of the speaker, produces tone quality far above the average for receivers of this type.

Major Tuning Features
Receives Standard Broadcast and Police calls: 540 to 175 Meters. Illuminated Airplane Tuning Dial: With large, easy-to-read, well-spaced numerals for quick, accurate tuning. Tapered Volume Control: Even the strongest local stations easily controlled from lowest to highest volumes. trolled from lowest to highest volume. Extremely fine selectivity.

Electrical Features

High Gain T.R.F. Circuit: Exceptional Selectivity and Sensitivity. More efficient operation. Power Line Noise Rejector: Built-in Line Buffer keeps power line noises out of radio, 4 High Efficiency tubes: Types 6D6: 6C6: 43, 25Z5; giving six tube performance. AC-DC Power Supply: Operates on either 105-120 volt, 60 cycle AC or 110-115 volts DC current. Rigid Chassis Base: Provides a permanently rigid mounting for all units. Perfect alignment of all parts. Completely Shielded: Both Circuit and tubes shielded throughout to attain maximum amplification and stability.

Gll-Wave S

Larger Size Superior Performance

• Tunes 3 Bands 17 to 565 Meters • Ten Tuned Circuits High Gain Superhet Circuit
 ■ 3 Gang Tuning Condenser

● Automatic Volume Control ● Illuminated Airplane Dial

 15 to 1 Ratio - Zone Tuning ● Full 6½" Dynamic Speaker • 7 Tube Performance Dual Purpose Tubes

A super-powerful A.C. 5 tube "World Wide" Superheterodyne, Positively the greatest Radio "Buy" ever offered. Never before have you been able to secure so much Radio Value for so little money! Incorporates every feature that you will had in receivers selling for double this price. Receives Foreign Stations. American Broadcast, World News, Police Calls. Amateurs, and Airplanes with remarkable clarity and volume. Extremely sensitive . . extra wide tuning range . . marvelous lifelike tone. Incorporates the newest developments in Superheterodyne Circuit and newest High Gain Tubes.

LOOK AT THESE FEATURES

Tunes 3 Bands: 510 to 1800 Kc: 1690 to 5500 Kc. 5500 to 18,000 Kc. large 5 inch Illuminated Airplane Tuning Dial with "Zone Tuning" for quick reference tuning. Tapered Volume Control. Automatic Volume Control (A.V.C.) to counteract fading of distant stations and "blasting" of local stations. Balanced Superheterodyne Circuit: 10 Tuned Circuits-Exceptional Sensitivity and Selectivity. Pentode Audio System; Quality 61/2" Electro-Dynamic Speaker: Clear natural undistorted tone on speech and music. Built-in Filter prevents radiated interference from other near-by sets. 5 Tubes: Types 6A7; 6D6; 75; 42; 80.

Walnut Table Cabinet

of modern design and outstanding in workmanship and beauty. Instrument Panel is selected, walnut grain with attractively grained panels on each side finished in a darker shade. Soft brown hand-tubbed lustrous finish overall. Cabinet Size: 14½" II, 12" W, 7½" D.

Price Table Model

For 105-120 Volt 50-60 Cycle A.C.



Copyright 1936 by W. C. Braun

