

LAFAYETTE RADIO

25TH ANNIVERSARY

INDUSTRIAL ELECTRONICS • RADIO PARTS & TUBES • AM & FM RECEIVERS • TEST EQUIPMENT •
TELEVISION • PUBLIC ADDRESS • HAM EQUIPMENT

Lafayette Radio

RADIO WIFE TELEVISION, INC.

catalog no.

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100 SOUTH AVENUE, NEW YORK 13, N. Y.
110 FEDERAL STREET, BOSTON 10, MASS.
24 CENTRAL AVENUE, NEWARK 2, N. J.
542 E FORDHAM ROAD, BRONX 58, N. Y.

NEW YORK, SUNDAY, MAY 22, 1927.
LINDBERGH DOES IT!
PARIS IN 33½ HOURS;
 COULD HAVE GONE 500 MILES FARTHER

Gasoline for at Least That Much More
 Flew at Times From 10 Feet to
 10,000 Feet Above Water.

Home Run Record
 YOUTH CRASHES GOING
 TO SET NEW RECORD



**FOR OUR FIRST
 25 YEARS**

...We Thank You

Doorn Boos As Ex-Kaiser
 Takes Bride
**KING VICTOR BOWS
 TO FASCIST POWER
 CALLS MUSSOLINI**
 Nationalist Chief Is Summoned
 to Rome to Head the
 New Cabinet.
THE NEW YORK TIMES
 Copyright, 1942 by The New York Times Company
 NEW YORK, TUESDAY, AUGUST 7, 1945.

**ATOMIC BOMB DROPPED
 ON JAPAN,**
**PRESIDENT OPENS FAIR
 VAST SPECTACLE OF COL
 THRILLS ENTHUSIAS**
**Jack Dempsey Rec...
 Million-Dollar Offer**
DOUGLAS FAIRBANK

HARDING MESSAGE HIM
PEACE MOVE; CLEMEN

In any industry, if you manage to thrive for 25 years, it proves that you supply an honest dollar's worth for a dollar, treat your customers better than just fairly, and work hard at your job. As we look back from this milestone of our 25th Anniversary to our modest beginnings—back through years of boom, depression, war and, now, peace—we glow with inner pride. We're proud of the way we've grown to our accepted position as leader in the radio and electronic supply industry. We're proud that we've kept pace with every advancement in electronics and served countless thousands in every field and walk of life. But our greatest source of satisfaction arises from the loyalty and acceptance with which our friendly customers have rewarded us.

Ior that reason, we do not stress here, as we have repeatedly, our swift service, our vast stock of radio merchandise, and our 30-day money-back guarantee. We're certain all that is well-known to you. Instead, we wish to express our sincere gratitude for having been privileged to serve you throughout these 25 years. The effort and thought we've devoted to servicing you has been amply rewarded by your constant loyalty. As we go to press, the status of the national price structure remains unsettled, so that prices contained in this catalog are subject to change without notice. We pledge ourselves to continue to improve our service, to increase our stocks though our walls bulge, and to supply, as always, your greatest dollar's worth in radio.

Lafayette Radio

RADIO WIRE TELEVISION INC.

Landru Convicted; to Die by Guillotine
 Next Congress Much Wetter
 House...
 Million-Dollar Offer
 YET HE FEARED WOMEN
 DOUGLAS FAIRBANK



Lafayette 5-TUBE* PLASTIC SUPERHET

Good entertainment is less expensive than ever before! Available now . . . for the first time since 1941 . . . a new idea in cabinetry for a personalized radio. Sturdy, rugged, durable plastic molded into a modern design and color. Beautiful "Marbelized" pastel shades and Ivory to choose from. Shades that blend into their surroundings. When you see and hear this set, you'll want it. Therefore, we are extending to you our 30 day home trial offer—at our risk. The good tone quality, selectivity characteristics, high sensitivity, the extra power are all made possible by the excellently engineered superheterodyne circuit which includes the following Lafayette features:

FINE SENSITIVITY: By using the latest most advanced circuits and tubes, improved operating characteristics have been provided.
"BEAM POWER OUTPUT": This results in virtually distortionless power output—the reason for the excellent tone quality afforded. Multi function tubes used are the 12SA7 Converter, 12SQ7 2nd Detector and 1st Audio, 12SK7 IF Amplifier, 50L6 "Beam Power" Output, and 35Z5 Rectifier.
BROADCAST COVERAGE is from 550 to 1600 kc including all domestic stations in the area.
ALNICO 5 SPEAKER for exceptionally good tonal reproduction which makes for better listening and smoother response.

NO ANTENNA NECESSARY! The J-50 comes equipped with an antenna hank—an aerial which you can set out in any room when and where you want. There is no need to string outside aerials.
AUTOMATIC VOLUME CONTROL compensates for weak and distant stations.
PLASTIC CABINET for table, shelf or desk measures 8 1/4" x 4 3/4" x 5 3/4".
Direct Drive Dial for full view tuning.
MODEL J50-M: LAFAYETTE 5-Tube* Plastic Superhet complete with tubes. For operation on 110 Volts AC-DC. Code: AUKER.
MODEL J50-Y: Same as above but Ivory. Shpg. wt. 8 lbs. Code: ANNOY.
YOUR COST **\$16.25**
EITHER ABOVE EACH.....
 220 Volt adapter cord.....\$1.10
 * Including Rectifier.



Lafayette 5-TUBE* AC-DC TABLE SUPERHET

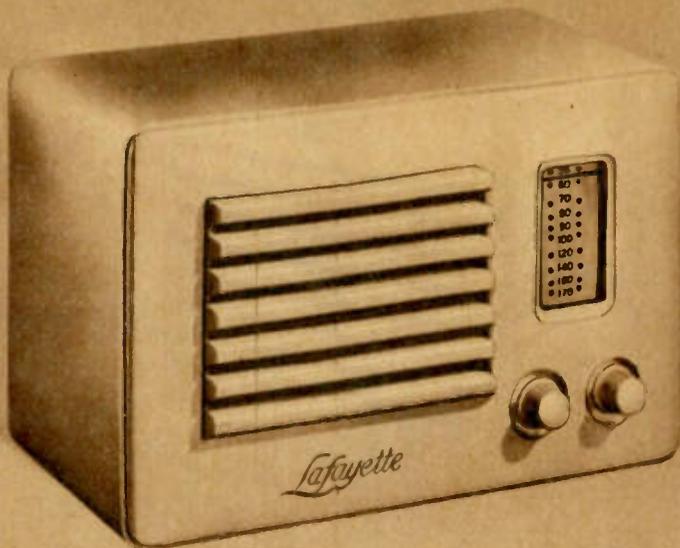
Here is the radio styled right to the minutest! Here is the set with "personality"—the radio you'll choose for your den, bedroom or office. Its styling is so distinctive and the entertainment it offers so varied you'll acclaim it the moment it arrives at your door. During our 30 day home trial plan you too will discover its high performance and design. The fine tones, sensitivity and selectivity characteristics, the extra power—all are made possible by Lafayette engineering. The MC-10 is the 5-tube* set that is the small "extra" set you have been looking for.

GOOD SENSITIVITY, greater station getting ability, is provided by the superhet circuit.
5 MINIATURE TUBES: These new multi-function tubes are modern and superior to any tubes previously used. This circuit uses the 12BE6 Converter, 12BA6 IF Amplifier, 12AT6 2nd Detector and 1st Audio, a 50B5 "Beam Power" output and a 35W4 Rectifier.
PLASTIC CABINET: The receiver is housed in a beautiful case that is available in either gleaming Black or Ivory. 8" x 5" x 5".
SPEAKER: The Alnico 5 PM speaker affords fine tone quality and exceptional volume.

AVC, for a more even audio response.
BROADCAST BAND covering from 540 to 1720 kc includes all domestic programs.
BUILT-IN ANTENNA of loop design practically guarantees noiseless reception. Lugs for outside aerial for finer rural reception.
BEAM POWER OUTPUT in the circuit of the MC-10 odds volume and cuts distortion.
MODEL MC-10B: LAFAYETTE 5-Tube* Super complete with tubes in gleaming Black. For operation on 110 Volts AC-DC. Shpg. wt. 8 lbs. Code: ANODE.
YOUR COST **\$18.95**
MODEL MC-10Y: Same in Ivory. **\$19.75**
 Code: ANTHO. **YOUR COST**.....
 220 Volt adapter cord.....\$1.10
 * Including Rectifier.

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Lafayette 5-TUBE* AC-DC SUPERHET

It's neat—it's durable—and it's a good performer. That's why this new Lafayette 5-tube* model is so well suited to every modern home. It is housed in a beautiful cabinet of half inch thick American walnut which adds remarkably to the fine tone of the receiver. The appearance of this smart looking set will harmonize with all surroundings. We want you to compare this set with others in the same price range—so take advantage of our 30 day home trial plan to examine it. Check all of its outstanding features and prove to yourself that the FA-15 is the Lafayette you want. It employs many advanced features among which are the following:

5 MODERN MULTI-FUNCTION TUBES: The 12SA7 converter, 12SK7 IF Amplifier, 12SQ7 2nd detector and 1st Audio, 50L6GT "Beam Power" output and 35Z5 Rectifier.

ALNICO 5 PM SPEAKER which makes for better listening and smoother concert tones.

MODERN CIRCUIT DESIGN, for durability and efficiency. 110 Volt AC-DC 50/60 cycles for universal operation.

ANTENNA: The built-in-loop assures virtually noiseless reception. Lugs are provided for an outside aerial. The outside aerial gives smoother and clearer reception in rural and outlying areas.

IF TRANSFORMERS for increased selectivity.

ILLUMINATED VERTICAL SLIDE RULE DIAL for accurate tuning and full-visibility.

AMERICAN WALNUT CABINET with fully enclosed back. Size: 5" x 6" x 9 1/2".

BROADCAST BAND: 540-1720 Kc (220 to 530 meters) includes all domestic stations.

AUTOMATIC VOLUME CONTROL for an even audio response.

MODEL FA-15W: LAFAYETTE 5-Tube* Superhet complete with tubes in walnut cabinet. For operation on 110 volts AC-DC. Shpg. wt. 10 lbs. Code: ANTC.

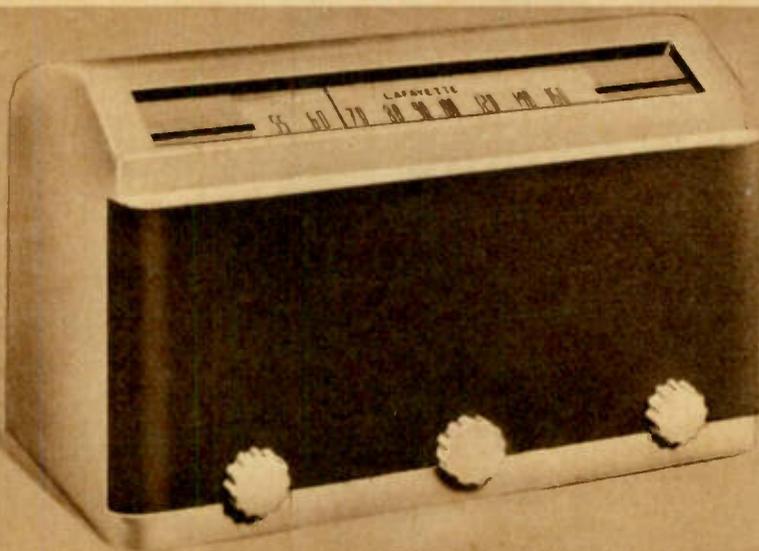
YOUR COST.....\$20.45

MODEL FA-15Y: Same as above but with baked on Ivory enamel finish. Code: ANTRE.

YOUR COST.....\$21.25

220 Volt adapter cord.....\$1.10

* Including Rectifier.



Lafayette 6-TUBE* AC-DC SUPERHET

If modern lines are your forte—if rich, and mellow tones thrill you—if space and budget are limited... this is your radio. Combining all the features you'd expect to find in a Lafayette radio—including tone control—the MC-11 is now available to you on our 30 day home trial plan. A handsome molded plastic case that comes in two brilliant colors—gleaming Black and sparkling Ivory with knobs to match. The MC-11 is not modern for modernness alone—it combines modernness with technical advancement. A radio that will truly delight you—more beautiful than most.

MODERN CIRCUIT DESIGN: Leads to durability and greater efficiency of operation and years of dependable listening—a grand value!

AUTOMATIC VOLUME CONTROL: Eliminates fading and makes for even audio response.

ALNICO 5 PM SPEAKER: For a full-range frequency response and exceptional tone quality.

BEAM POWER OUTPUT: In the circuit of the MC-11 adds volume and cuts distortion. It also assures fine tone.

THE ADVANCED SUPERHET CIRCUIT: 2 12SK7's as 1st and 2nd IF, 12SQ7 Mixer-Converter, 1st RF, 12SA7 2nd Detector, 1st Audio,

35L6 Beam Power Amplifier, 35Z5 Rectifier.

BROADCAST BAND: 550 to 1600 Kilocycles.

TOPE CONTROL is featured for greater listening pleasure.

LOOP ANTENNA assures you virtually noise-free reception. Lugs for outside aerial.

CABINET measures 11 1/2" x 7" x 6 1/2" depth.

MODEL MC-11B: LAFAYETTE 6-Tube* Superhet complete with tubes, Black plastic, for operation on 110 volts AC-DC. Shpg. wt. 12 lbs. Code: ANURA.

YOUR COST EACH.....\$24.75

MODEL MC-11Y: Same as above but in Ivory. Code: ANVIL.

EACH.....\$25.50

For 220 volt adapter, add.....\$1.10

* Including Rectifier.

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Lafayette 6-TUBE* 2-BAND AC-DC SUPERHET

Once more Lafayette engineering has taken the lead in the parade towards tomorrow's "big set" table radio. A splendid 6-tube* 2-band superhet that comes in a smartly designed and finished modern walnut cabinet that is only 8 1/4" high. Take advantage of our 30 day home trial plan to examine its fine features and see for yourself why the J62 is the Lafayette leader of the year.

IMPROVED CIRCUIT DESIGN: Modern engineering advancements are incorporated to assure efficiency, dependability and long range. **AUTOMATIC VOLUME CONTROL:** The AVC circuit eliminates fading and makes for a more even audio response.

FOREIGN TUNING: Tunes from 6 mc to 21 mc (18 to 49.5 meters) and receives Europe, South America, amateur, police, aircraft, ships, and weather stations.

ALNICO 5 PM SPEAKER: For fine frequency response and good tone quality and better listening.

"BEAM POWER OUTPUT": With Beam Power in the circuit you are assured of fine tones with excellent volume and a minimum of distortion on all stations.

THE ADVANCED SUPERHET CIRCUIT uses the following tubes: two 14A7's as 1st and 2nd IF, 14Q7 as Mixer-Converter and 1st RF, 14B6 2nd Detector and 1st Audio, 35A5 Beam Power Amplifier and 35Y4 Rectifier.

BROADCAST BAND covers from 550 to 1650 kilocycles for domestic reception.

TONE CONTROL is featured in the J62 to insure listening pleasure.

ANTENNA: This set contains a built-in loop antenna that brings in domestic broadcasts. Lugs provided for outside aerial, required for best short wave and rural reception in most areas.

CABINET: The hand-rubbed walnut cabinet measures 13" x 8 1/4" x 7 1/2" deep.

MODEL J-62: Lafayette 6-Tube*, 2-Band Superhet complete with tubes. For operation on 110 volts AC-DC. Shpg. wt. 13 lbs. Code: AORTA.

YOUR COST EACH **\$34.95**
For 220 volt adapter.....\$1.10
* Including Rectifier.



Lafayette 6-TUBE* 2-BAND SUPERHET

Housed in an attractively molded plastic case that adds charm to its surroundings, the MC-12 is a radio Lafayette is proud to offer and which you will be proud to own. Not only will you be able to hear your favorite domestic programs but foreign stations as well. Practically all forms of radio entertainment are yours for this fine radio is capable of picking up most of the best and powerful transmitters from all over the world. The complete cabinet of this set and all components have been thoroughly tropicalized. Try the MC-12 in your home on our 30 day home trial plan.

TONE CONTROL: The MC-12 features a tone control for your listening pleasure.

TUBE COMPLEMENT: The advanced superhet circuit uses the following—2 12SK7's, 1 12SQ7, 1 12SA7, 1 35L6, and 1 35Z5 rectifier. Circuit design is an outgrowth of long time "know how."

ALNICO 5 PM SPEAKER: For good frequency response and fine tones.

2-BAND RECEPTION: In addition to the regular domestic 550-1650 kc band the second band ranges from 6-21 mc (18-49.5 meters) for European, amateur, police and aircraft.

CABINET 11 1/2" long x 7" high x 6 1/2" deep.

ANTENNA: Terminal lugs for connecting an outside antenna are included for best short wave and rural reception with the MC-12.

AUTOMATIC VOLUME CONTROL: The AVC circuit eliminates fading.

THE MC-12 IS TROPICALIZED: The entire receiver and cabinet have been treated so as to be moisture and fungus proof.

MODEL MC-12B: LAFAYETTE 6-Tube* 2-Band in Black Plastic complete with tubes, 110 volts AC-DC. Shpg. wt. 12 lbs. Code: APACE.

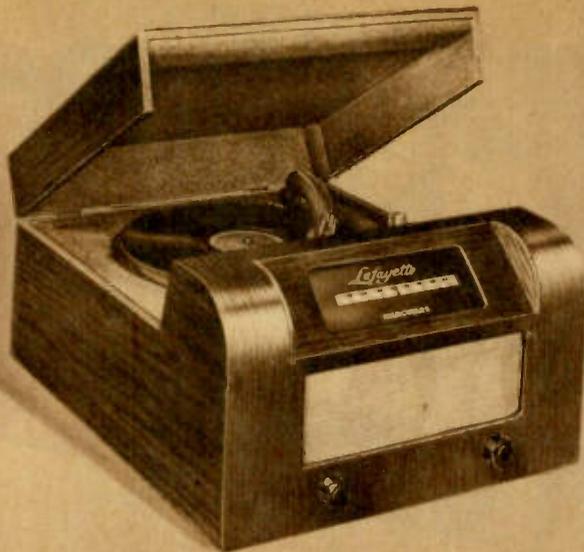
* Including Rectifier.

YOUR COST EACH **\$29.95**

MODEL MC-12Y: Same as above but in Ivory. Code: APART.

EACH **\$30.75**
For 220 volt adapter, add.....\$1.10

ALL LAFAYETTE Radios are R. C. A. and Hazeltine Licensed



Lafayette 6-TUBE* PHONO-RADIO

Play the record of your choice or tune in your favorite comedian, commentator, dramatic show or any of the popular bands that make radio listening time—radio pleasure time. The Lafayette J61 provides you with all of these and then some. You will appreciate its compact construction—the set can be placed on any convenient table and it is easy to move from place to place. The walnut cabinet houses a truly fine Superhet radio, and a modern, high quality phonograph portion that will give you many untold hours of joy and entertainment. We'd like you to prove to yourself that it is a fine performer—try one for 30 days on our home trial plan. The J61 is truly a wonderful set.

BEAM POWER OUTPUT: Beam Power in the circuit means added volume with a minimum of distortion. Tube complement of the J61 includes two 14A7's as 1st and 2nd IF, 14Q7 Mixer, Converter and 1st RF, 14B6 2nd Detector and 1st Audio, 35A5 Beam Power Amplifier and 35Y4 Rectifier.

BROADCAST BAND: The J61 carries the standard domestic stations band of 550 to 1650 Kc. **AUTOMATIC VOLUME CONTROL** compensates for weak and distant stations fading.

ALNICO 5 PM SPEAKER: For the discriminating listener—fine, smooth tones.

MODERN WALNUT CABINET measures 14 $\frac{3}{4}$ " x 8" x 17 $\frac{1}{4}$ " deep for table, desk or shelf.

PHONOGRAPH: Crystal pickup, of the latest featherweight type. Reproduces your most cherished 10" and 12" records with fine fidelity. Has a rim driven motor with 9" flocced turntable. Tones are sharp, clear and highly accurate.

ANTENNA: A built-in-loop antenna which furnishes you with excellent, virtually noiseless reception. Terminals are provided for connecting an outside aerial for best reception in outlying districts.

MODEL J61: LAFAYETTE 6-Tube* AC Phono-Radio combination complete with tubes. For operation on 105/125 volts AC only. Shpg. wt. 25 lbs. Code: APEAK.

YOUR COST EACH **\$47.50**
For 220 volt operation, add..... **\$4.50**
* Including Rectifier.



Lafayette 5-TUBE* 3-IN-1 PORTABLE

Easy on the eye—easy on the ear! That's the JS1P. Lafayette 1947 3-way portable superhet. Compact construction and expert engineering have combined to make this three power set a desirable companion wherever you go. Let this fine little receiver provide you with good entertainment at all times, and because of the self-contained batteries and built-in-loop antenna there are no connections to make. At home you merely plug in the line cord (concealed in case when not in use) to any 110 volt line AC-DC. Leatherette case with locking snap. Use our 30 day home trial plan to examine it.

"BEAM POWER": Low drain, multi-purpose tubes are used in the highly sensitive and selective superhet circuit. 1A7 or 1R5 Mixer-Oscillator, 1N5 or 1T4 IF Amplifier, 1H5 or 1S5 Detector-RF Amplifier-AVC, 3Q5 Power Amplifier or Audio Amplifier, and 117Z3 Rectifier. **LOW BATTERY DRAIN:** A pack consisting of 9 volt "A" and 90 volt "B" is given long life by low drain tubes. Provides approximately 200 to 250 listening hours with normal usage. **CARRYING CASE:** This truly modern case delights the eye with its coloring, sturdy structure, and bolted handle. 11" x 9 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ ".

MATCHED PM SPEAKER reproduces voice and music with good fidelity. Speaker is fronted by a neat perforated grille.

TUNING RANGE covers standard American broadcast band from 550 to 1700 kc.

OTHER FACTORS: AVC to cut fading, lugs for external antenna, legible dial, 6 to 1 reduction drive tuning ratio, and automatic power shift cuts off battery pack.

MODEL JS1P: Lafayette 5-Tube* 3-In-1 portable superhet complete with tubes and battery pack. 110 volts AC-DC. Shpg. wt. 18 lbs. Code: APHIS.

YOUR COST EACH **\$37.95**
Additional battery pack. Each..... **\$4.50**
220 volt adapter cord..... **\$1.10**
* Including Rectifier.

ALL LAFAYETTE Radios are R. C. A. and Hazeltine Licensed



Lafayette 6-TUBE* AUTOMATIC PHONO-RADIO

Glorious tone reproduction, graceful cabinetry design are yours with this new de-luxe Lafayette combination phono-radio. A table model which stands only 8 1/4" high, this hand-rubbed walnut cabinet houses a truly fine two band radio (American broadcasts plus short wave), and a modern twin-post record changer of the most advanced design. For the living room that is missing "just one piece"—for the record lover who desires top reproduction and fidelity, the J62C is the combination. Yes, this is the automatic Phono-Radio Combination that has everything a combination should have. Our 30 day liberal home trial plan gives you ample opportunity to see it and hear it perform.

ANTENNA: The built-in-loop antenna furnishes excellent virtually noise-free reception. Terminals for connecting outside aerial for better short wave and rural reception.

BEAM POWER OUTPUT in the circuit for added volume with minimum distortion. Tubes used are two 14A7's as 1st and 2nd IF, 14Q7 Mixer-Converter and 1st RF, 14B6 2nd Detector and 1st Audio, 35A5 Beam Power Amplifier and 35Y4 Rectifier.

SHORT WAVE RECEPTION: In addition to the regular domestic 550-1650 kilocycles band the second ranges from 6.21 mc (18.49.5 meters), for European, amateur, police, aircraft, and Government stations.

ALNICO 5 PM SPEAKER: True speaker tones for the discriminating listener.

AUTOMATIC RECORD CHANGER: Trouble-proof, velvet-smooth, rugged and noiseless. Plays, changes twelve 10 inch or ten 12 inch records in one setting with top down. The featherweight crystal pickup uses any standard needle. Reject, selector, and automatic-manual switches are on the changer base.

MODERN WALNUT CABINET measures 16" x 8 1/4" x 20 1/2" deep for desk, table, or shelf.

MODEL J-62C: Lafayette 6-Tube*, 2-Band, A.C. automatic phono-radio complete with tubes. For operation on 105/125 volts A.C. only. Shpg. wt. 40 lbs. Code: APORT.

YOUR COST EACH **\$74.50**
For 220 volt operation, add **\$4.50**
* Including Rectifier.



Lafayette 5-TUBE* AC AUTOMATIC PHONO-RADIO

Here's Lafayette's answer to the great demand for a popular priced radio-phonograph combination. We offer this truly versatile value, capable of providing you with excellent radio and recorded entertainment. This combination set has many fine features—most important of which is its fine sound reproduction ability. You own a "box seat" to a world of entertainment with an MC-13. You will be delighted with its exacting tones, its compact, attractively finished mahogany veneer cabinet and best of all its high value at low cost. Try the MC-13 on our famous 30 day home trial plan.

ALNICO 5 PM SPEAKER provides good volume and exceptional reproduction of tone.

MULTI-PURPOSE TUBES are used in the modern superhet circuit: 12BA6 IF Amplifier, 12BE6 Converter, 12AT6 2nd Detector and 1st Audio, 50B5 Beam Power Output, and a 35W4 Rectifier. **STANDARD BROADCAST BAND** ranges from 550 to 1650 Kilocycles.

BUILT-IN-LOOP ANTENNA eliminates the need for an aerial and ground for good reception. Terminals for an outside aerial are provided to give better and clearer reception in rural areas.

EXCELLENT RECORD CHANGER is fully automatic. The changer is of the newest design and plays twelve 10 inch or ten 12 inch records at a single stacking without reloading.

FEATHERWEIGHT PICKUP affords wide response and reduces record wear.

AUTOMATIC VOLUME CONTROL for a more even audio response.

MAHOGANY VENEER CABINET stands 16 1/2" x 13" x 11 1/2"

MODEL MC-13: LAFAYETTE 5-Tube* Superhet automatic phono-radio with tubes. 110 Volts AC only. Code: APPAL. Shpg. wt. 30 lbs.

YOUR COST EACH **\$59.95**
For 220 Volt operation, add **\$4.50**
* Including Rectifier.

ALL LAFAYETTE Radios are R. C. A. and Hazeltine Licensed

DESIGNED FOR GRACIOUS

Custom

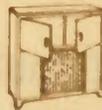


MASTERPIECES OF CRAFTSMANSHIP—to please the exacting connoisseur of fine furniture or devotees of the modern cult. Besides the models shown, we have many others in finish or trim you prefer: bleaches, pastels, various woods, differently shaped knobs of brushed chrome, aluminum or bronze, models with angled faces, graceful contours, half or full hinge top lifts, etc. Really a custom-built line! If you have a penchant for the unique, let us know—we will surprise you with our talent for crystallizing your original ideas. At nominal cost you can have a custom-built cabinet to blend with your home surroundings to best advantage. Crating and out-of-town delivery charges extra.



Model P-2005

An outstanding example of superior wood craftsmanship. Fabricated with the finest $\frac{3}{4}$ " thick stock and natural grain mahogany veneers. Access to the radio is from the front—a top lift exposes the record changer. The radio compartment measures $23\frac{3}{4}$ " x 26 " x 16 "; record changer space is $23\frac{3}{4}$ " x $6\frac{1}{2}$ " x 16 ". $25\frac{1}{2}$ " x 18 " x $39\frac{1}{4}$ " overall. Mahogany. Model P-2005—**\$122.00**
Your Cost.....
Crating and delivery extra. Prices for other woods and finishes sent on request.



Model P-2006

Modern and graceful, this 2-door model is typical of our superior cabinet art. Made by master craftsmen of choicest extra-thick oak wood and veneers—hand rubbed to a brilliant satin gloss. Radio and record changer compartments each measure $16\frac{1}{2}$ " x 12 " x 16 ". Overall size is $36\frac{1}{4}$ " x $37\frac{1}{2}$ " x $17\frac{3}{4}$ ". Natural Oak. Model P-2006—**\$135.00**
Your Cost.....
Crating and delivery extra. Prices for other woods and finishes sent on request.



MODEL No. P2005



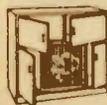
Model P-2009

This skillfully patterned replica of period design furniture incorporates the popular spill top lift feature. You enjoy easy access to either the radio or record changer section. Built by superior craftsmen of solid $\frac{3}{4}$ " thick stock and surfaced with carefully matched sections of natural grain mahogany veneers—all hand rubbed to a glistening finish. The radio and record changer compartment meas-

ures 36 " x $6\frac{1}{2}$ " x $15\frac{1}{2}$ ". Overall size is 39 " x $47\frac{1}{2}$ " x $15\frac{1}{2}$ ". Two built-in compartments hold your favorite record albums. Four gracefully contoured wood supports add charm and dignity to this splendid cabinet. Mahogany. Model P-2009—**\$145.00**
Your Cost.....
Crating and delivery extra. Prices for other woods and finishes sent on request.

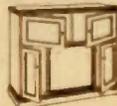


MODEL No. P2003



Model P-2007

A carefully styled cabinet for those who prefer the modern touch in their home surroundings. Built by master craftsmen and surfaced with the finest Primavera veneers. A natural ("blonde") finish, hand rubbed to a glossy sheen, fully exploits the inherent beauty of the wood. Radio and record changer compartments each measure 21 " x $16\frac{1}{2}$ " x 12 ". Overall size is 44 " x 37 " x 18 ". Two built-in sections provide record album space. Model P-2007—Primavera, natural finish—**\$197.00**
Crating, delivery extra. Prices for other woods on request.



Model P-2003

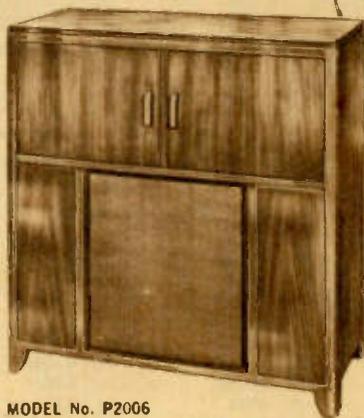
Lafayette craftsmanship at its best—in this handsome period type combination cabinet. This model is fabricated with choice $\frac{3}{4}$ " thick stock with natural grain mahogany veneers—hand polished to an enduring lustrous finish. Radio and record changer compartments are each 21 " x 12 " x 16 ". $45\frac{1}{2}$ " x $38\frac{1}{2}$ " x $18\frac{3}{4}$ " overall. Two built-in record compartments. Model P-2003—Mahogany. **\$197.00**
Your Cost.....
Crating, delivery extra. Prices for other woods on request.

NEW BEAUTY in FURNITURE

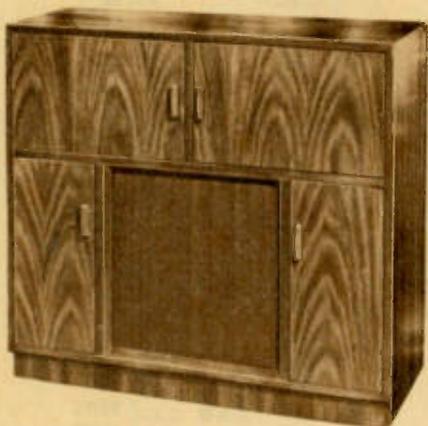
LIVING

Cabinetry

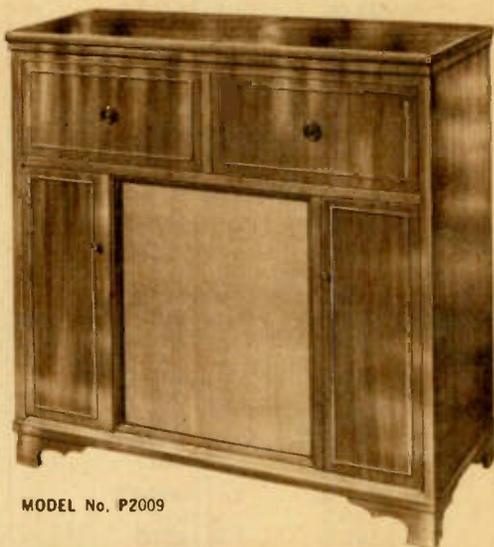
A LAFAYETTE EXCLUSIVE



MODEL No. P2006



MODEL No. P2007



MODEL No. P2009



Model P-2001

The Lafayette credenza! A magnificent reproduction of period design furniture—to grace the finest home. Fashioned by master craftsmen from $\frac{3}{4}$ " thick stock and surfaced with beautifully grained mahogany veneers. Each piece is individually matched and hand-rubbed to a rich, lustrous finish. An attractive wire grille and brass knobs enhance the warm appearance of this superb credenza. Designed not only as a flattering complement to the home beautiful, but for convenient use, there are four separate compartments—one to house the radio you wish to install, one for a record changer, and two large compartments for your favorite record albums. The radio and record changer compartments each measure 18" long, 12" high and 16" deep; the dual-section album compartments are each 30" high, 14" deep and 10" wide. Overall dimensions are 64 $\frac{1}{2}$ " x 18 $\frac{1}{2}$ " x 39". Takes speakers up to 15" diam.

Model P-2001—Mahogany. \$275.00
 Your Cost.....
 Crating and delivery extra. Prices for other woods and finishes sent on request.



MODEL No. P2001

for your RADIO or COMBINATION



Lafayette RADIO

Six Months Guarantee

All Lafayette and Radiotron tubes are guaranteed for 6 months from date of purchase (except burnouts and broken tubes).

Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price
0A4G	\$1.33	2X2/879	\$1.60	6F7	\$1.10	6U7G	\$.68	12K7GT	\$.68	35/51	\$.68
OZ4	1.10	3Q4	1.10	6F8G	.90	6V6	1.33	12K8	1.10	35A5	.90
OZ4G	1.10	3Q5GT	1.10	6G6G	.90	6V6G	.75	12K8GT	.90	35L6GT	.68
1A3	.90	3S4	1.10	6H6	.75	6V6GT	.75	12Q7GT	.63	35W4	.58
1A4P	1.10	3V4	1.10	6H6GT	.75	6V7G	.90	12SA7	.68	35Y4	1.10
1A5GT	.75	5T4	1.33	6J5	.63	6X4	.75	12SA7GT	.90	35Z3	.90
1A6	.90	5U4G	.68	6J5GT	.63	6X5	1.10	12SC7	.90	35Z4GT	.55
1A7GT	.90	5V4G	1.10	6J6	1.33	6X5GT	.68	12SF5	.75	35Z5GT	.58
1B4P	.90	5W4	.75	6J7	.90	6Y6G	1.10	12SF7	.90	36	.68
1B5(1B5/25S)	.90	5W4GT	.63	6J7G	.75	6Z7G	1.33	12SG7	.90	37	.58
1B7GT	.90	5X4G	.75	6J7GT	.75	6ZY5G	.90	12SH7	.90	38	.75
1C5GT	.90	5Y3GT	.48	6K6GT	.68	7A4	.90	12SJ7	.75	39/44	.68
1C6	.90	5Y4G	.53	6K7	.75	7A5	.90	12SJ7GT	.75	41	.58
1C7G	.90	5Z3	.75	6K7G	.75	7A6	.90	12SK7	.68	42	.58
1D5GP	.90	5Z4	.90	6K7GT	.68	7A7	.90	12SK7GT	.75	43	.75
1D7G	1.10	6A4/LA	1.10	6K8	.90	7A8	.90	12SL7GT	1.10	45	.55
1D8GT	1.33	6A6	1.10	6K8G	.90	7AG7	1.10	12SN7GT	.90	45Z3	.75
1E5GP	1.10	6A7	.68	6K8GT	.90	7B4	.90	12SQ7	.68	45Z5GT	.75
1E7G	1.60	6A8	.90	6L5G	.75	7B5	.90	12SQ7GT	.75	46	.75
1F4	.90	6A8G	.68	6L6	1.33	7B6	.90	12SR7	.90	47	.75
1F5G	.90	6A8GT	.68	6L6G	1.33	7B7	.90	12SR7GT	.90	50A5	1.33
1F6	1.10	6AB5 6N5	1.10	6L7	1.10	7B8	.90	12Z3	.68	50B5	.90
1F7G	1.10	6AB7 1853	1.33	6L7G	1.10	7C4	1.60	14A4	1.33	50L6GT	.75
1G4GT	.90	6AC5GT	.75	6N7	1.10	7C5	.90	14A5	1.95	50Y6GT	.75
1G5G	.90	6AC7/1852	1.33	6N7GT	1.10	7C6	.90	14A7/12B7	1.33	53	1.10
1G6GT	1.10	6AD7G	1.10	6P5GT	.55	7C7	.90	14AF7/XXD	1.10	55	.75
1H4G	.68	6AE5G	.90	6Q7	.90	7E5	1.33	14B6	1.10	56	.55
1H5GT	.75	6AE6G	.90	6Q7G	.63	7E6	.90	14B8	1.33	57	.63
1H6G	.90	6AE7GT	.90	6Q7GT	.63	7E7	1.10	14C5	1.33	58	.63
1J5G	1.33	6AF5G	.90	6R7	1.10	7F7	1.10	14C7	1.33	59	1.10
1J6G	.90	6AF6G	1.10	6R7GT	.63	7F8	1.33	14E6	.90	70A7GT	1.60
1L4	1.10	6AG5	1.60	6S7	1.10	7G7/1232	1.33	14E7	1.10	70L7GT	1.33
1LA4	1.60	6AG7	1.60	6S7G	1.10	7H7	1.33	14F7	1.33	71A	.63
1LA6	1.60	6AK6	1.10	6SA7	.68	7J7	1.33	14H7	1.33	75	.58
1LB4	1.60	6AL5	.90	6SA7GT	.75	7K7	1.33	14J7	1.33	76	.63
1LC5	1.60	6AQ5	.90	6SB7Y	1.33	7L7	1.33	14N7	1.33	77	.63
1LC6	1.60	6AQ6	.90	6SC7	.90	7N7	1.33	14Q7	1.10	78	.63
1LD5	1.60	6AT6	.75	6SC7GT	.90	7Q7	.90	14R7	1.10	79	1.10
1LE3	.90	6AU6	.90	6SD7GT	.90	7R7	1.33	14S7	1.33	80	.48
1LG5	1.60	6B4G	1.33	6SF5	.68	7S7	1.33	14W7	1.60	81	1.33
1LH4	1.60	6B5	1.33	6SF5GT	.68	7V7	1.60	14Y4	1.33	82	.90
1LN5	1.60	6B6G	.75	6SF7	.90	7W7	1.60	15	1.33	83	.90
1N5GT	.90	6B7	.90	6SG7	.90	7X7/XXFM	1.33	19	.90	83V	1.33
1P5GT	1.10	6BA6	.90	6SH7	.90	7Y4	.90	24A	.63	84/6Z4	.75
1Q5GT	1.10	6BE6	.90	6SH7GT	.90	7Z4	.90	25A6	1.33	85	.63
1R5	1.10	6B8	1.33	6SJ7	.75	10	1.95	25L6	1.10	89	.68
1S4	1.10	6B8G	.90	6SJ7GT	.75	12A6	1.33	25L6GT	.75	117L7/M7GT	1.60
1S5	1.10	6C4	.75	6SK7	.68	12A6GT	1.33	25Z5	.68	117N7GT	1.60
1T4	1.10	6C5	.75	6SK7GT	.75	12A7	1.33	25Z6	.90	117P7GT	1.60
1T5GT	1.10	6C5GT	.68	6SL7GT	1.10	12A8GT	.68	25Z6GT	.68	117Z3	.90
1U4	.90	6C6	.68	6SN7GT	.90	12AH7GT	1.10	26	.53	117Z6GT	1.10
1V	.68	6C8G	1.10	6SQ7	.68	12AT6	.75	27	.48		
2A3	1.33	6D6	.68	6SQ7GT	.75	12AU7	.90	30	.68		
2A4G	1.60	6D8G	1.10	6SR7	.75	12BA6	.90	31	.68		
2A5	.68	6E5	.75	6SS7	.68	12BE6	.90	32	.90		
2A6	.68	6F5	.75	6ST7	1.10	12C8	1.33	33	.90		
2A7	.75	6F5GT	.68	6SZ7	1.10	12F5GT	.68	34	.90		
2B7	.90	6F6	.75	6T7G	.90	12H6	.75	32L7GT	1.33		
2E5	.90	6F6G	.63	6T7G } (6Q6G)	.90	12J5GT	.68	33	.90		
2V3G	1.95	6F6GT	.58	6U5/6G5	.90	12J7GT	.75	34	.90		

10% DISCOUNT IN LOTS OF 25 (MAY BE ASSORTED)

TUBES



In Factory Sealed Cartons

All Lafayette and RCA Radiotron tubes are packed in factory sealed cartons. They reach you in perfect condition.

Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price	Tube Type	Net Price
0A4G	\$1.56	2X2/879	\$1.80	6F7	\$1.29	6U7G	\$.79	12K7GT	\$.79	35/51	\$.79
OZ4	1.29	3Q4	1.29	6F8G	1.06	6V6	1.56	12K8	1.29	35A5	1.06
OZ4G	1.29	3Q5GT	1.29	6G6G	1.06	6V6G	.88	12K8GT	1.06	35L6GT	.79
1A3	1.06	3S4	1.29	6H6	.88	6V6GT	.88	12Q7GT	.73	35W4	.68
1A4P	1.29	3Y4	1.29	6H6GT	.88	6V7G	1.06	12SA7	.79	35Y4	1.29
1A5GT	.88	5T4	1.56	6J5	.73	6X4	.88	12SA7GT	1.06	35Z3	1.06
1A6	1.06	5U4G	.79	6J5GT	.73	6X5	1.29	12SC7	1.06	35Z4GT	.65
1A7GT	1.06	5V4G	1.29	6J6	1.56	6X5GT	.79	12SF5	.88	35Z5GT	.68
1B4P	1.06	5W4	.88	6J7	1.06	6Y6G	1.29	12SF7	1.06	36	.79
1B5(1B5/25S)	1.06	5W4GT	.73	6J7G	.88	6Z7G	1.56	12SG7	1.06	37	.68
1B7GT	1.06	5X4G	.88	6J7GT	.88	6ZY5G	1.06	12SH7	1.06	38	.88
1C5GT	1.06	5Y3GT	.56	6K6GT	.79	7A4	1.06	12SJ7	.88	38/44	.79
1C6	1.06	5Y4G	.62	6K7	.88	7A5	1.06	12SJ7GT	.88	41	.68
1C7G	1.06	5Z3	.88	6K7G	.88	7A6	1.06	12SK7	.79	42	.68
1D5GP	1.06	5Z4	1.06	6K7GT	.79	7A7	1.06	12SK7GT	.88	43	.88
1D7G	1.29	6A4/LA	1.29	6K8	1.06	7A8	1.06	12SL7GT	1.29	45	.65
1D8GT	1.56	6A6	1.29	6K8G	1.06	7AG7	1.29	12SN7GT	1.06	45Z3	.88
1E5GP	1.29	6A7	.79	6K8GT	1.06	7B4	1.06	12SQ7	.79	45Z5GT	.88
1E7G	1.88	6A8	1.06	6L5G	.88	7B5	1.06	12SQ7GT	.88	46	.88
1F4	1.06	6A8G	.79	6L6	1.56	7B6	1.06	12SR7	1.06	47	.88
1F5G	1.06	6A8GT	.79	6L6G	1.56	7B7	1.06	12SR7GT	1.06	48	2.29
1F6	1.29	6AB5/6N5	1.29	6L7	1.29	7B8	1.06	12Z3	.79	49	1.06
1F7G	1.29	6AB7/1853	1.56	6L7G	1.29	7C4	1.88	14A4	1.56	50	1.88
1G4GT	1.06	6AC5GT	.88	6N7	1.29	7C5	1.06	14A5	2.29	50A5	1.56
1G5G	1.06	6AC7/1852	1.56	6N7GT	1.29	7C6	1.06	14A7/12B7	1.56	50B5	1.06
1G6GT	1.29	6AD7G	1.29	6P5GT	.65	7C7	1.06	14AF7/XXD	1.29	50L6GT	.88
1H4G	.79	6AE5G	1.06	6Q7	1.06	7E5	1.56	14B6	1.29	50Y6GT	.88
1H5GT	.88	6AE6G	1.06	6Q7G	.73	7E6	1.06	14B8	1.56	53	1.29
1H6G	1.06	6AE7GT	1.06	6Q7GT	.73	7E7	1.29	14C5	1.56	55	.88
1J5G	1.56	6AF5G	1.06	6R7	1.29	7F7	1.29	14C7	1.56	56	.65
1J6G	1.06	6AF6G	1.29	6R7GT	.73	7F8	1.56	14E6	1.06	57	.73
1L4	1.29	6AG5	1.88	6S7	1.29	7G7/1232	1.56	14E7	1.29	58	.73
1LA4	1.88	6AG7	1.88	6S7G	1.29	7H7	1.56	14F7	1.56	59	1.29
1LA6	1.88	6AK6	1.29	6SA7	.79	7J7	1.56	14H7	1.56	70A7GT	1.88
1LB4	1.88	6AL5	1.06	6SA7GT	.88	7K7	1.56	14J7	1.56	70L7GT	1.56
1LC5	1.88	6AQ5	1.06	6SB7Y	1.56	7L7	1.56	14N7	1.56	71A	.73
1LC6	1.88	6AQ6	1.06	6SC7	1.06	7N7	1.56	14Q7	1.29	75	.68
1LD5	1.88	6AT6	.88	6SC7GT	1.06	7Q7	1.06	14R7	1.29	76	.73
1LE3	1.06	6AU6	1.06	6SD7GT	1.06	7R7	1.56	14S7	1.56	77	.73
1LG5	1.88	6B4G	1.56	6SF5	.79	7S7	1.56	14W7	1.88	78	.73
1LH4	1.88	6B5	1.56	6SF5GT	.79	7V7	1.88	14Y4	1.56	79	1.29
1LN5	1.88	6B6G	.88	6SF7	1.06	7W7	1.88	15	1.56	80	.56
1N5GT	1.06	6B7	1.06	6SG7	1.06	7X7/XXFM	1.56	19	1.06	81	1.56
1P5GT	1.29	6BA6	1.06	6SH7	1.06	7Y4	1.06	24A	.73	82	1.06
1Q5GT	1.29	6BE6	1.06	6SH7GT	1.06	7Z4	1.06	25A6	1.56	83	1.06
1R5	1.29	6B8	1.56	6SJ7	.88	10	2.29	25L6	1.29	83V	1.56
1S4	1.29	6B8G	1.06	6SJ7GT	.88	12A6	1.56	25L6GT	.88	84/6Z4	.88
1S5	1.29	6C4	.88	6SK7	.79	12A6GT	1.56	25Z5	.79	85	.73
1T4	1.29	6C5	.88	6SK7GT	.88	12A7	1.56	25Z6	1.06	89	.79
1T5GT	1.29	6C5GT	.79	6SL7GT	1.29	12A8GT	.79	25Z6GT	.79	117L7/M7GT	1.88
1U4	1.06	6C6	.79	6SN7GT	1.06	12AH7GT	1.29	26	.62	117N7GT	1.88
1V	.79	6C8G	1.29	6SQ7	.79	12AT6	.88	27	.56	117P7GT	1.88
2A3	1.56	6D6	.79	6SQ7GT	.88	12AU7	1.06	30	.79	117Z3	1.06
2A4G	1.88	6D8G	1.29	6SR7	.88	12BA6	1.06	31	.79	117Z6GT	1.29
2A5	.79	6E5	.88	6SS7	.79	12BE6	1.06	32	1.06		
2A6	.79	6F5	.88	6ST7	1.29	12C8	1.56	32L7GT	1.56		
2A7	.88	6F5GT	.79	6SZ7	1.29	12F5GT	.79	33	1.06		
2B7	1.06	6F6	.88	6T7G	1.06	12H6	.88	34	1.06		
2E5	1.06	6F6G	.73	6Q6G	1.06	12J5GT	.79				
2V3G	2.75	6F6GT	.68	6U5/6G5	1.06	12J7GT	.88				

10% DISCOUNT IN LOTS OF 25 (MAY BE ASSORTED)

BURGESS BATTERIES



Used for many years by leading laboratories, governmental departments, commercial organizations and others demanding tops in quality. All Burgess cells are made of the best material obtainable. Each cell has a seamless drawn zinc can of 99.9% pure zinc which resists perforation. The cells are separated by moisture-resistant egg-crate partitions and a wrapping of paraffined paper. Individual cells

are totally covered with pitch to seal each cell and to bind them together into a rugged unit. Chrome preservative is included in each cell to preserve the zinc surface and retard corrosion when not in use. To insure uniformity only high quality cells pass acceptance tests. These features plus rigid laboratory control make Burgess batteries the accepted standard.



Portable "A" Batteries

No.	Burgess	Voltage	Dimensions	Wt.	Each
K19850	4F	1 1/2	2 3/8 x 2 3/8 x 4 1/8	2 lbs.	\$0.63
K20634	6F	1 1/2	3 1/8 x 2 3/8 x 4 1/8	2 1/2 lbs.	.87
K20635	8F	1 1/2	3 1/8 x 2 3/8 x 5 1/8	3 lbs.	1.12
K20636	8FL	1 1/2	3 3/8 x 2 3/8 x 5 1/8	4 lbs.	1.18
K20633	4FL	1 1/2	3 3/8 x 1 3/8 x 5 3/8	2 1/2 lbs.	.51
K19854	2F	1 1/2	2 3/8 x 1 3/8 x 4 1/8	1 lb.	.39
K20610	G3	4 1/2	4 x 1 3/8 x 4 1/8	2 lbs.	.46
K19851	F4L	6	3 1/8 x 1 3/8 x 5 3/8	2 lbs.	.63
K19842	F4PI	6	2 3/8 x 2 3/8 x 4	2 lbs.	.63
K20640	2F4	6	3 3/8 x 1 3/8 x 5 3/8	4 lbs.	1.19
K20613	2F4L	6	3 3/8 x 1 3/8 x 10 1/8	4 lbs.	1.26
K19843	G5	7 1/2	3 3/8 x 2 1/8 x 6 x 3/8	3 lbs.	.77

Portable "B" Batteries

Burgess portable "B" type batteries are extremely light and compact. The XX45 is the battery for all "personal" or camera type portables. The A30M primarily for Garod.

No.	Burgess	Voltage	Dimensions	Wt.	Each
K20646	A30	45	3 1/2 x 2 1/4 x 4 1/8	2 1/2 lbs.	\$1.50
K20645	A30M	45	4 1/8 x 3 1/8 x 2 1/8	2 1/2 lbs.	2.45
K20614	B30	45	2 1/8 x 4 1/8 x 5 1/8	4 lbs.	1.50
K20616	Z30	45	3 1/8 x 2 1/4 x 4	1 1/2 lbs.	1.80
K20617	M30	45	5 3/8 x 3 1/8 x 1 3/8	3 lbs.	1.50
K19837	XX30	45	2 1/8 x 1 3/8 x 3 3/8	2 lbs.	1.23
K20627	XX45	67 1/2	2 1/8 x 1 3/8 x 3 1/8	1 1/2 lbs.	1.71

Portable "A" and "B" Batteries

Stock No.	Burgess No.	Voltage	Dimensions	Wt.	Each
K19871	5DA60	1 1/2 & 90	5 3/8 x 2 1/8 x 6 7/8	6 lbs.	\$3.35
K19874	6FA60	1 1/2 & 90	11 1/8 x 6 1/8 x 1 3/8	7 lbs.	3.35
K19875	4GA42	1 1/2 & 63	9 x 9 x 4 3/4	6 lbs.	2.46
K20618	G4B50	60 & 75	4 1/8 x 1 2/8 x 2 1/8	7 lbs.	3.15
K20624	6TA60	1 1/2 & 90	9 1/8 x 2 1/8 x 4 3/8	6 lbs.	3.60
K20626	4GA41	1 1/2 & 61 1/2	9 1/8 x 3 3/8 x 2 1/8	6 lbs.	2.73
K19838	G5A42	7 1/2 & 63	9 1/8 x 2 3/8 x 4 3/8	6 lbs.	2.95
K19839	F6A60	90 & 90	2 3/8 x 9 1/8 x 4 1/8	7 lbs.	3.35
K19870	G6M60	90 & 90	3 3/8 x 10 1/8 x 4 1/8	7 lbs.	3.74
K19876	G6B60	90 & 90	13 1/8 x 7 1/8 x 2 1/8	9 lbs.	3.74

Farm "A" Batteries

The Burgess batteries listed here are of a heavy-duty type and are designed for farm radio service. America's farms know the Burgess well.

No.	Burgess	Voltage	Dimensions	Wt.	Each
K20675	19G	1 1/2	7 1/8 x 5 3/8 x 4 3/8	9 lbs.	\$2.05
K20600	20F	1 1/2	7 x 7 3/8 x 2 1/8	8 lbs.	2.05
K19828	20F2	3	11 1/8 x 3 1/8 x 6 1/8	16 lbs.	3.31
K19891	12F3	4 1/2	3 1/4 x 1 1/8 x 2 1/8	15 lbs.	3.19

Farm "B" Batteries

Well known in all American rural areas as one of the sturdiest, heavy duty radio batteries. The Burgess battery is hard to beat for dependability.

Posts	Plug-In	Burgess No.	Dimensions	Voltage	Wt.	Each
K19829	K19825	2308	8 x 2 1/4 x 7 1/8	45	9 lbs.	\$1.80
K19831	K19824	10308	8 x 4 x 7 1/8	45	12 lbs.	2.19
K19832	K19822	21308	8 1/8 x 4 1/8 x 7 7/8	45	15 lbs.	2.48
	K19900	D60	8 1/2 x 13 1/8 x 3 1/8	90	16 lbs.	4.80

Farm Combination Packs

No longer need you struggle along with a hit-or-miss combination battery pack. Here is an outstanding opportunity for you to get big city high-powered reception on your Zenith, Emerson, Crosley and Grunow farm sets. No longer will you have to endure interrupted service or periodical breakdowns because of faulty and exhausted batteries.

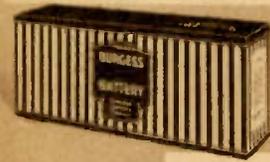
Stock No.	Burgess No.	Voltage	Dimensions	Shpg. Wt.	Your Cost
K19901	3G6D60	90 & 90	8 1/8 x 13 1/8 x 4 1/8	25 lbs.	\$5.62
K20619	17GD60	1 1/2 & 90	15 1/8 x 4 1/8 x 7 1/8	24 lbs.	5.62
K19902	398	60 & 90	4 3/8 x 8 3/8 x 15 1/8	29 lbs.	6.60
K19903	739	7 1/2 & 90	4 3/8 x 8 1/8 x 14	29 lbs.	6.60
K19904	F90D6	135	13 1/8 x 7 1/8 x 8 3/8	38 lbs.	7.84

BURGESS Hearing Aid Batteries

We can now make available to you at this time, a full assortment of Burgess hearing aid batteries. Burgess engineers have produced a series of small lightweight batteries that provide hearing aid users with maximum personal comfort in addition to maximum quality. Every

Burgess battery in this series was built to provide the tops in operating economy. They are packaged in subdued label shades to be less conspicuous on the person. Dealers, cut yourselves in on this battery bonanza. Kit HA73 contains an assortment of 73 fast selling batteries.

Stock No.	Metal Cap	Plug In	Burgess No.	Voltage	Dimensions	Shpg. Wt.	Each Your Cost
K19905	X	X	K20E	30	1 1/4 x 3/8 x 2 1/8	1/2 lb.	\$ 1.05
K19908	Complete Kit		HA73	Hearing-Aid Assortment		19 lbs.	13.35
Consisting of:							
K19907	X		30 #1ES	1 1/2	1 1/8 x 3/8 diam.	3 lbs.	.06 1/2
K19908	X		34 #2ES	1 1/2	2 1/8 x 1 1/8 diam.	6 lbs.	.06 1/2
K19909		X	12 #TE	1 1/2	3 3/8 x 1 1/8 diam.	4 lbs.	.16 1/2
K19910		X	6 #XX30E	45	2 1/2 x 7/8 x 3 7/8	3 lbs.	1.15
K19911		X	1 #XX22E	33	2 1/2 x 7/8 x 3 3/8	1 1/2 lbs.	.96





A name that has been in the public eye ever since the word "radio" became known, RCA batteries have aided battery operated radios to more efficient reception and clearer tones. For a dependable source of power supply

the RCA can't be beat. You need have no fears when you purchase an RCA—you get one of the finest batteries made today. Construction of the RCA batteries is excellent.

Portable "A" Batteries						
Stock No.	RCA No.	Voltage	Interchangeable With Burgess	Dimensions	Shipping Weight	Your Cost Each
K20103	VS001	1½	#2	2¼x1½	1 lb.	50.06½
K20104	VS004	1½	4F	2½x2½x4¼	2 lbs.	.63
K20105	VS007	1½	6F	3½x2½x4¼	3 lbs.	.87
K20106	VS008	1½	8FL	3¾x1¾x10¾	4 lbs.	1.19
K20107	VS002	4½	G-3	4x1¾x4½	2 lbs.	.52
K20108	VS009	6	F4PI	2½x2½x4¼	2 lbs.	.66
K20109	VS011	6	2F4L	3½x1¾x10¾	4 lbs.	1.26
Portable "B" Batteries						
K20110	VS014	45V "B"	A-30	3¼x2¼x4¼	2 lbs.	1.61
K20111	VS013	45V "B"	M-30	3½x1½x5½	3 lbs.	1.50
K20112	VS012	45V "B"	B-30	4½x2¼x5½	4 lbs.	1.50
K20113	VS016	67½V "B"	XX-45	2½x1¾x3½	1 lb.	1.71
Farm "A" Batteries						
K20114	VS024	1½	20F	7¼x2¼x7½	8 lbs.	2.31
K20115	VS025	3	20F2	12x4x6½	16 lbs.	3.42
Farm "B" Batteries						
K20116	VS027	45	10308PI	8¼x4¼x7¾	13 lbs.	1.87
K20117	VS026	45	2308PI	8¼x4¼x7¾	9 lbs.	1.75
Farm "A-B" Batteries						
K20118	VS022	1½ "A" 90 "B"	17GD60	15¼x4¼x6¾	23 lbs.	5.62



BURGESS BATTERIES

Flashlight Batteries

Guaranteed by the date mark on ever cell. Burgess batteries are fresh-dated at the factory and stay fresh for long and economical service. Available in all popular sizes.

Stock No.	Burgess No.	Voltage	Dimensions	Shpg. Qty.	Wt. Lbs.	Cost Each
K20622	#2	1½	2½x1½ dia.	50	13	6½c
K20621	#1	1½	1½x1½ dia.	96	7	6½c
K20623	Z(Penlite)	1½	17x9 dia.	192	9	5c
K19884	F4H	6	4½x2½x2½	Ea.	2	47c

Ignition Batteries

Burgess 4FH and 4F2H are both of a new modern design. Eliminates complex connections. 4F4H and 4F5H are assembled in rugged metal containers for outdoor use. Posts insulated.

Stock No.	Burgess No.	Voltage	Dimensions	Shpg. Qty.	Wt. Lbs.	Your Cost
K19858	4FH	1½	4½x2½x2½	2	2	\$0.33
K19846	4F2H	3	5½x3½x2½	4	4	.78
K19853	4F4H	6	6¾x9¼x2¾	8	8	1.60
K19848	4F5H	7½	6¾x7½x4	9	9	1.97

Standard Battery Plugs

Fit any dry battery. Check specifications carefully. When in doubt, give make and

Stock No.	Illus.	Description
K20591	(1)	3-prong "B"
K20592	(2)	3-prong "C"
K20593	(3)	5-prong "C"
K20590	(4)	2-prong "A"
K20595	(5)	2-prong "A"
K20596	(6)	3-prong "B"
K20597	(7)	4-prong "A & B"
K20598	(8)	2-prong "A"
K20599	(9)	4-prong "A & B"
K20566	(10)	3-prong "B"
K20567	(11)	8-prong "A & B"
K20568	(12)	4-prong "A & B"
K20570	(13)	2-prong "A"

model number of battery so that we can determine correct type of plug you will require.

Used With	Each	10 for
45V. "B" Batteries	9½c	85c
4½V. "C" Batteries	9½c	85c
22½V. "C" Batteries	16c	\$1.44
4½V. "A" Batteries	6½c	59c
1½V. "A" Batteries	6½c	59c
Portable "B" Batteries	6½c	59c
Comb. 1½V. "A" & 90V. "B" Packs	8c	72c
6V. "A" Batteries	6½c	59c
Comb. 6V. "A" & 90V. "B" Packs	8c	72c
45V. Portable "B" Batteries	6½c	59c
7½V. "A" & 90V. "B" Port. Batteries	13c	\$1.17
Comb. 6V. "A" & 75V. "B"	8c	72c
3V. "A" Batteries	6½c	

Industrial and Test Equipment Batteries

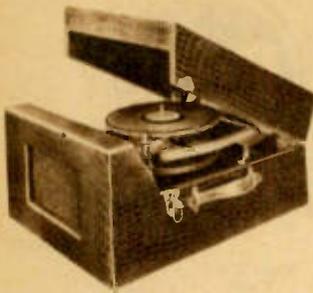
Small light weight batteries particularly designed for use in portable equipment including radios, test equipment, aircraft, etc. All with binding post terminals. Some have insulated terminals others plain brass. All give exceptionally long service for their weight. Burgess No. 5360, 2370, 5540, and 5156 are standard

"C" batteries designed for receivers and amplifiers, etc. Also used in test equipment. 2370 and 5156 are available with either knurled top binding posts or with sockets to take standard battery plugs. Z30NX recommended for portable medical equipment.

Stock No.	Posts	Plug-In	Burgess No.	Voltage	Dimensions	Shpg. Wt.	Your Cost
K19849			2FBP	1½	2½x1½x4¼	1 lb.	\$0.48
K19844			F2BP	3	2½x1½x4¼	1 lb.	.48
K19845			2F2H	3	2½x2½x3	2 lbs.	.60
K20603			422	3	2½x1½x1½	¾ lb.	.21
K20604			432	4½	2½x2½x1½	¾ lb.	.31
K20602			532	4½	2½x2½x1½	1 lb.	.31
K19867		K19827	2370	4½	4x3½x1½	2 lbs.	.52
K19866			5360	4½	3x2½x1½	2 lbs.	.30
K19868			5540	7½	3½x4x1½	2 lbs.	.63
K19863			4156	22	3x3½x2½	3 lbs.	.91
K19862		K19826	5156	22	3½x4½x2½	2 lbs.	1.19
K19860			A15ST	22	3½x2½x2½	2 lbs.	1.07
K19861			5308	45	5½x4½x2½	4 lbs.	1.50
K19865			Z30NX	45	1½x4½x4¼	2 lbs.	1.65



record players and accessories



Lafayette Portable Record Changer-Amplifier

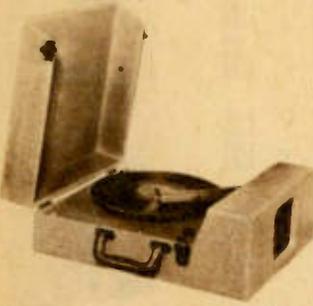
A fine portable record changer-phonograph amplifier. Latest model record changer. Plays a stack of ten 12" or twelve 10" records at one loading. Just one control for Start, Stop, Reject and Manual operation. Noiseless constant speed motor. High impedance crystal pickup feeds into built-in amplifier. Amplifier tubes are 1-35Z5, 1-50L6 and 1-12SK7. Has tone and volume controls. 5 1/4 inch PM speaker. Simulated alligator case, 16" x 19 1/4" x 9". Shpg. Wt. 23 lbs.

K22341
Your Cost **\$55.95**

Open Top Model

Same fine components as above on open top sturdy metal base, 20 lbs.

K22363
Your Cost **\$39.95**



Lafayette Portable Phono Player-Amplifier

Special portable record player and amplifier. Housed in a handsome airplane luggage carrying case. Includes a three-tube amplifier using 1-50L6, and 1 35Z5 tube. Five-inch Alnico 5 permanent magnet speaker. Tone and volume controls. High quality crystal pick-up. Rugged motor. Turntable is covered with brown flock, easy on your favorite records. Plays ten-inch or twelve-inch records. Case size is 15" x 15" x 7 3/4" high. Well-placed carrying handle. All this adds up to a swell buy, so send your order in now. Shipping weight 15 lbs.

K22245
Your Cost **\$32.95**

Lots of 3 or more—
Your Cost, EACH phonograph **\$27.45**

Crystal Pickup Replacement Cartridges



A comprehensive lineup of replacement cartridges for all standard makes of crystal pickups as recommended by the manufacturers. Each cartridge is precision made and individually tested for rated frequency response and output voltage.

ASTATIC Crystal Cartridges

Stock No.	Astatic No.	Replaces Cartridge No.	Output Voltage	Cut-off C.P.S.	Min. Needle Press. oz.	Terminals	Your Cost
K150	L-24A	L-36A	2.95	6500	2 3/4	Lug	\$3.26
K13973	L-26A	L-22A, L-27A, L-32A	1.4	4500	2 3/4	Lug	2.62
K13965	L-40A	L-41A	0.6	4500	1 1/2	Lug	2.62
K151	L-46A	L-50A	3.5	4000	1 1/2	Lug	3.91
K13963	LP-6		0.85	4500	1	Lug	5.23
K13964	LP-21	LP-23	0.85	7000	2 1/4	Lug	5.23
K233	M-22	M-23	2.9	6500	2 3/4	Lug	3.26
K13406	B-2	B-1, B-3, B 4	2.5	4000	2 3/4	Lug	3.26
K152	L-70A	L-25A	1.0	4000	1 1/2	Pin	3.26
K154	L-71A		1.0	8000	1	Pin	3.91
K155	L-72A	L-50	3.5	4000	1 1/2	Pin	3.91
K156	L-75A		0.75	6000	1 1/2	Pin	3.26
K162	Nylon 1-J	MLP-1J	1.00	8000	1 1/2	Pin	1.76
K165	Special replacement needle for Nylon 1-J cartridge						

FREE Absolutely free—with purchase of an ASTATIC cartridge or pickup, on request, the publication "The Crystal Phonograph Reproducer—Its Application and Care."
K166—NO CHARGE.

SHURE Crystal Cartridges

Stock No.	Shure No.	Replaces Cartridge No.	Or Replaces	Case	Output Voltage	Min. Needle Press. oz.	Your Cost
K167	W56A	P89	Any Standard	Almn.	4.3	2 1/2	\$3.20
K168	W7A	P87, P93	Flat-Type	Almn.	1.6	2 1/2	2.62
K13968	W58A	P90, P94, W42	Cartridge of	Steel	1.6	1	2.62
K13975	W59A	P88, W40, W41	Equal Output	Steel	2.5	1	2.62

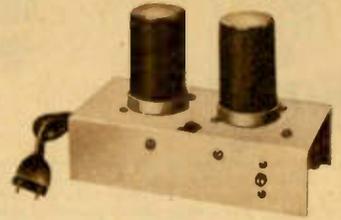
WEBSTER Crystal Cartridges

Stock No.	Webster No.	Replaces Cartridge No.	Voltage 1000 Cyc.	Min. Needle Press. Oz.	Response C.P.S.	Leads In.	Your Cost
K510	C2	X79A, X80C	2 2.5	2.5	40 5000	1 1/2	\$2.35
K169	D2	X81C	2 2.5	2.5	40 5000	None	3.18
K13970	D4	X81CH	0.7 0.9	1.25	40 5000	None	3.18
K170	N2	99-182	0.9 1.1	1.25	40 5000	None	2.62
K13966	N3	X82CH	0.7 0.9	1.25	40 5000	None	2.62

RCA Crystal Cartridges

Stock No.	RCA No.	Replaces Cartridge No.	Output Voltage	Min. Needle Press. Oz.	Response C.P.S.	Leads In.	Your Cost
K215	31050		1 1/2	2.7			\$2.47
K13424	31156		1 1/2	3			2.79
K280	33122		1 1/2	2.7			2.47
K277	33217		1 1/2	2.7			2.47
K249	37156	35171, 33905	1 1/2	3			2.79
K171	38610		1 1/2	2			3.26
K174	39550		1 1/2	2			4.26
K175	9890	Magic Tone Cell Kit					4.91

Wireless Phono Oscillator Kit

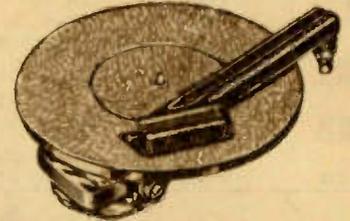


Permits your record player to play through your radio without connecting wires. Kit consists of: punched aluminum chassis, two EF-50 tubes, two tube sockets, and all necessary parts and instructions. Shipping weight 2 lbs.

K142 Complete Kit **\$5.45**

K144—Same as above, completely wired and tested.
Your Cost **\$6.25**

Build-Your-Own Record Player Kit

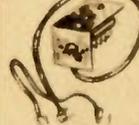


Complete Outfit Motor, Turn-table, Crystal Pickup } **\$6.75**

It's fun to build your own all-electric record player with this essential parts kit—and you'll save money doing it! Can be mounted in a console cabinet with your present radio. It's so simple to put together that anyone can do it in jig-time! Kit consists of: (1) Constant speed (78 rpm) rim-drive motor with 9-inch flocked turntable, for 110 volts 60 cycles a. c. only, self-starting type; (2) Offset head latest type crystal pickup with excellent response characteristics. Arm is nine inches long; unit plays all ten inch and twelve inch records. Shpg. Wt. 5 lbs.

K690 Complete Kit
Your Cost, Only **\$6.75**

Record Player Switch



A complete unit consisting of a panel-mounted switch and jack complete with cables, suppression condensers and resistor. Easy to install. Shpg. wt. 1 1/2 lbs.

K22006—
Your Cost **\$1.32**

Junior Microphone



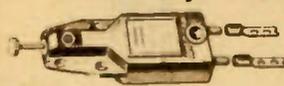
Easy to attach to any radio, and it works. In brown finished metal case with attachment cord. Has a push switch to cut radio out whenever desired. Wt. 1 lb.

K13379 Each **67c**

Hand Microphone

Same mike as above, with sturdy black wood handle for hand use.
K13831 Your Cost **90c**

CR-1-A Crystal Cartridge



The American Microphone Co. CR-1-A pickup cartridge is a standard re-

placement cartridge for pickups using lightweight Shure, Astatic, Webster, and other cartridges. Its improved design prevents rinning of the crystal while soldering leads. Just remove lugs from terminal pins, solder leads to lugs, and replace lugs on pins. Efficient and safe. High output.

K13961 Shpg. wt. 1 lb.
Your Cost **\$2.35**

automatic record changers



GARRARD Table Cabinets

A beautiful hand-rubbed table model phono case. Striking mahogany finish. Will look well in any room. Motor board cut to take Garrard Model 60 Record Changer. Shpg. wt. 9 lbs.
K19462—Model TM-6. \$25.00
 Your Cost.....

K19643—Model TM-1 with blank motor board for any changer. \$25.00
 Your Cost.....



De-Luxe Changer Case

Attractive, compact, lightweight. De-luxe case of solid wood construction with covering of extra fine simulated-alligator fabricoid. Sawn leather-covered edges. Nickel-plated locking snaps with key. Blank covered motor board. Inside dimen. 17" x 14 1/2" x 11".
K22343—Shpg. wt. 10 lbs. \$13.95
 Your Cost, Case Only.....



Portable Record Changer And Amplifier Case

An excellent buy for those who want both record changer and amplifier in one unit. Takes any record changer. All wood. Alligator leatherette cover with matching hardware. For 5", 6" or 8" speaker. Overall size 21" x 16 1/2" x 9 3/4". Motor board 15" x 16 3/4". Below panel depth 3", above panel 5 3/4". Shpg. wt. 9 lbs.
K22360—RMS PALC-300. \$12.95
 Your Cost, Case Only.....



Wood Table Model Cabinet For Phono And Amplifier

Brown-crackle, for record player or changer, room for amplifier, speaker, 15 3/4" sq. x 7 1/2" high, 8 1/2" opening in top. Removable bottom. 4 1/2" diam. grills.
K19452—Shpg. wt. 6 lbs. \$5.69
 Your Cost.....

GARRARD RC-60

This de-luxe "mixer" automatic record changer is of radically different design. You can adjust to perfect operating speed (78 rpm), or accelerate or retard the tempo. 10" and 12" records may be mixed in any sequence. Swift, gentle changing regardless of record warpage. The non-slip spindle is available only on Garrard. The true-tangent pick-up has a ball bearing, jewelled mount and pivot. Cabinet measures 15" x 13" x 9 1/2" overall clearance. Shpg. wt. 20 lbs.

Model 60/LC—AC Model, 110/130 volts, 50/60 cycles; with low pressure crystal pickup and permanent stylus. **\$66.50**

K20985—Your Cost.....

Model 60/LR—AC Model as above, with crystal pickup for use with replaceable needles. **\$66.50**

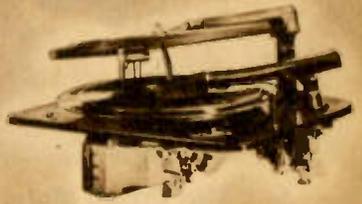
K20991—Your Cost.....

Model 60/LM—AC Model as above, with Garrard magnetic pickup for use with replaceable needles. **\$66.50**

K20986—Your Cost.....

Model 60/UR—Model 60/LR modified. Has AC-DC dual voltage, 110/130 and 200/250 V., 25-60 cyc. **\$79.50**

K20992—Your Cost.....



WEBSTER

Model 70 Mixer-Changer

Plays full 1 1/2" stack of 10-12 inch records intermixed—or a stack of either size. And for the first time—automatic release of drive mechanism when the machine is not running—o long-awaited solution for thumps caused by long periods of non-use. Model 70 automatically turns off after the last record has been played. Manual control switch permits playing home recordings or "inside-out" records. The cushioned spindle protects records. It is easily removable for easy handling of played records. Concealed mounting hardware. 14" square mounting base. Overall depth 10 1/2 inches. Shpg. wt. 25 lbs.

K20908—Less needle and base. \$42.34

Your Cost.....

Metal mtg. base, 14" x 14" x 4". **\$3.45**

K19469—Your Cost.....

Model 56 Record Changer

Here's a new record changer in the famous Webster tradition. Plays ten 12" or twelve 10" records at one loading. Automatic stop after last record. Feather-light crystal pickup. Velvet-soft turntable—gentle on your records, quiet in action. Only one button for all operations. Offset spindle increases record life—no cracked or chipped edges. Cushion-mounted motor eliminates rumble or "wow." Heavy-duty parts for lasting performance. 14" square mounting base. Overall depth above and below mounting board, 9 inches. Shpg. wt. 21 lbs.

K20909—Model 56, less needle \$26.66

and base. Your Cost.....

Metal Mounting Base for Model 56. **\$3.45**

K19464—14" x 14" x 4", wt. 6 lbs. \$3.45

Your Cost.....

Model 50 Record Changer

Compact and efficient. Fast change cycle—about 4 seconds. Feather-light horizontal and vertical needle pressure. Automatically plays all standard records; twelve 10" or ten 12". Quiet record drop on velvet soft heavy-pile turntable covering. Durable stainless steel spindle, cushioned for record protection. Heavy duty plated metal parts. Ideal in small radio-phonograph combinations. 12 1/2" square mtg. base. Depth above and below mounting board, 9 inches. Shpg. wt. 20 lbs.

K20903—Model 50, less needle \$21.17

and base. Your Cost.....

Metal Mounting Base for Model 50. **\$3.45**

K19465—12 1/2" x 12 1/2" x 4", wt. 4 lbs. \$3.45

Your Cost.....

DETROLA 550C

Trouble-free, simple and foolproof. Ideal for original installation or replacement. Perfect for reconversion of older models and, with suitable connections, will serve to make an automatic record changer out of the average radio set. Silent operation, free of rumble and "wow." Automatically plays ten 12" or twelve 10" records. Sturdy, 78 R.P.M. motor requires no oiling. High quality crystal cartridge pickup has excellent frequency response. Mtg. board is 12" x 11", 6 1/2" depth. Shpg. wt. 17 lbs.

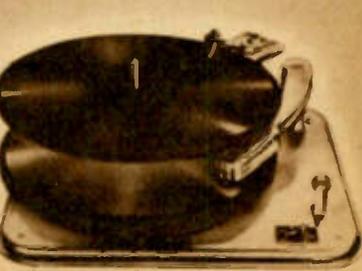
K20914—Model 550C, less base. \$18.26

Your Cost.....

Metal base for above. 12" x 11" x 4". Brown crackle. **\$3.30**

K19466—Shpg. wt. 4 lbs. \$3.30

Your Cost.....



phono motors and turntables



G-I Rim Driven Motors

Made by General Industries. Insulation between motor and mounting plate and turntable for quiet operation. Oilless bronze bearings. Two-pole high-speed motor. 9" turntable. 78 rpm. 110 V. 60 cycles AC. Wt. 8 lbs. Model LX.

K101—Your Cost Each \$4.00
 Model MX. Same as above but with idler arrangement. Shpg. Wt. 4 lbs.
K123—Your Cost Each \$4.23
 Model RX. Similar to above, but 4-pole.
K124—Shipping Weight 5 lbs. \$5.53
Your Cost Each
K135—Automatic Stop Switch 87c

Standard Two-Speed Motors

Incorporate silent laminated spiral cut bakelite gears completely enclosed and run in oil. Oversized self-lubricating bearings. Will not overheat in closed cabinet. With speed dial, hardware, and speed indicator. Will operate on 110 V. 50/60 cycles AC.

K100—Two-Speed (78 and 33 1/3 rpm). With 10" turntable. Shipping Wt. 13 lbs. Your Cost Each \$15.58
K188—Two-Speed (for 78 and 33 1/3 rpm). Equipped with a 12" turntable instead of the 10" turntable as listed directly above. Shipping Weight 13 lbs. \$16.12
Your Cost Each

ALLIANCE "Even Speed" Phono Motors

Model 80: Rim drive phono motor. 9" turntable. Constant speed (78 rpm). The motor is self-starting and forced draft air-cooled. Equally well suited for 10 or 12" records. Will operate on 110 volts, 60 cycles AC only. The durable heavy-duty turntable is smoothly covered with brown flocking. Since it is a synchronous motor, the speed is maintained constantly at 78 rpm. The shipping weight is 4 lbs. Model 80 Alliance "Even Speed" Phono Motor and Turntable.

K176—Your Cost Each \$3.83



E-L Phono Motor Inverter

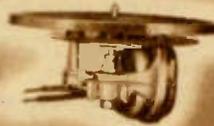
The Model 2120 phono motor inverter will convert 115 volts DC to 110 volts 60 cycles AC. Maximum output capacity is 3.5 volt-amperes and the unit will operate over a normal power range of 12 to 24 watts at 60 to 80% power factor. Built on a channel-type chassis with all components securely fastened. Has a normal life of 1000 hours, for the vibrator which is the only moving part. Vibrator is a plug-in type, easily removable for replacement. Mounts out of sight in radio cabinet. Size: 4 1/2 x 4 x 2 1/4". Shpg. wt. 2 lbs.
K15704—Phono Motor Inverter \$7.97
Your Cost Each

GARRARD Model 201-V

The new Garrard dual-speed motor is the improved post-war model of the internationally famous Model 201T. Operates at either 33 1/3 or 78 rpm with absolute constancy and without waver or rumble. Governor-controlled and equipped with a speed regulator. Self-starting induction type. Because of its heavy rotor, which is slow running, the resulting torque makes this motor amazingly smooth and silent. Lubricate all main bearings in the gears through single oiling point in spindle top. Shippg. wt. 22 lbs.
K20984—AC, 110v, 40-60 c. \$54.00

WEBSTER Model M-15 Phonomotor

Designed to operate on 105-125 V. 60 cycle AC, and can be made to operate on 50 cycle by replacing the 60-cycle drive sleeve with a 50 cycle drive sleeve. The heavy gauge steel turntable has an accurately made drive rim to give it smooth speed and continuous power. Covered with soft heavy-pile electrostatic flock. A mounting template is supplied with each assembly. Shpg. Wt. 12 lbs. Turntable 9 inches. Shaded, 4-pole heavy-duty motor.
K127—Model M-15. \$5.00
Your Cost Each



BALLANTINE Phono Motor

The Russell-Ballantine phono motor is a rim-driven motor combining low cost and high quality. The two-pole high-speed motor drives the turntable at a constant speed of 78 rpm. Oilless bearings guarantee long, trouble-free operation. Rubber shock insulation between motor and mounting plate and between motor and turntable insures silent action; forced draft air cooled. 9" diameter turntable is covered with brown flock. For 110 volts, 60 cycles AC. Shipping weight 3 lbs.
K105—Ballantine Phono Motor \$4.35
Your Cost Each

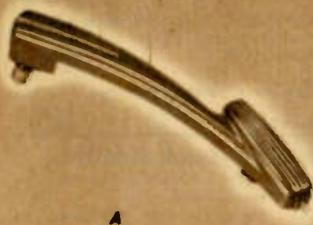
Constant Speed Motor Model CX

A gear-driven motor. Operates at 78 rpm for 10" and 12" records. Self-starting induction type. Fully enclosed helical cut gears in oil. Fan cooled. Dimensions: 4 1/2 x 4 1/2 x 3 1/4". Will operate on 110 volts, 60 cycles AC. With 10" turntable and all necessary hardware. An excellent motor for general phono use. This is a constant speed motor, free of all "wow" or waver. The turntable is of the heavy duty type, well flocked. Will equal performance of many higher priced types of phono motors.
K128—Model CX. Wt. 6 lbs. \$7.97
Your Cost Each

GARRARD Type "V" Phono Assembly

Garrard's finest single record assembly. The type V assembly features a new unique mounting arrangement. AC 110/130V 50/60 cycles with low pressure.
K20987—Type V/LC. Crystal pickup, permanent stylus. Wt. 15 lbs. \$30.00
Your Cost Each
K20988—Type V/LM. Magnetic pickup. Wt. 15 lbs. \$30.00
Your Cost Each
K20995—Type V/UR. Universal Model AC-DC., 110/130 and 200/250V., \$43.00
 25/60 cycles, Each

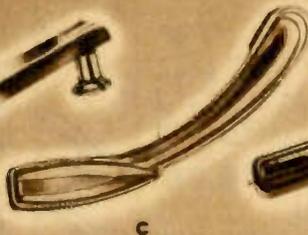
pick-ups and accessories



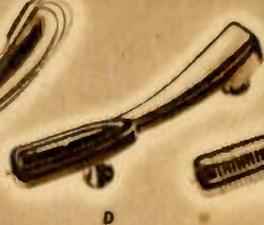
A



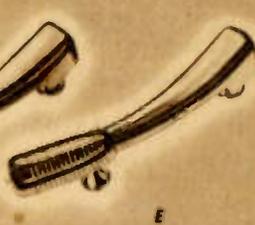
B



C



D



E

A) AMERICAN J-1

The curved arm with off-set head was designed to provide optimum tracking for both ten and twelve inch records with minimum wear of record and stylus. Includes arm & CRIA cartridge. 1/4 oz. needle pressure. 4 V at 1000 cps. 50-6000 cps. Pin plug terminals. Needle thumb screw. High needle point compliance and minimum chatter.

K247-Model J-1.
Your Cost.....\$3.23

B) WEBSTER AE

Excellent design and performance. Balanced to track at less than 2 oz. Range 40 to 8500 cps. Stamped steel construction finished in brown enamel, with rubber cushioned mounting. Wt. 3 lbs.

K523 - AE-10 with natural sapphire needle.
Your Cost.....\$4.41
K529 - AE-10-1. Same as above but less needle.
Your Cost.....\$3.59
K427-AJ-1.....\$4.26

C) SHURE Glider Pickup

Lightweight crystal pickup. Needle force 1 1/2 ozs. Output 1.6 volts. Response 60-6000 cps. Employs the new lever-type cartridge. Smooth response, low surface noise. Low mass tone arm. Has extremely low needle - point stiffness but still has sufficient output to replace old-fashioned, heavyweight arms.

K13417-Model 93A.
Your Cost Each.....\$3.59

D) ASTATIC Crystal Pickup

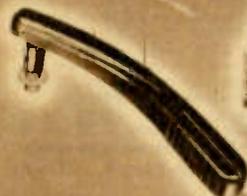
In this newly styled, carefully engineered crystal phonograph pickup, Astatic combines low cost with high performance. Ideally designed for use with manually operated players. Axial cushioned die-cast arm, offset head. Uses L-40 cartridge. Response: 50 to 4500 cps. 1 1/2 oz. needle pressure. Wt. 1 1/2 lbs.

K220-Model 507.
Your Cost.....\$3.23

E) ASTATIC Model 510

A high output crystal pickup. Ideally designed for use with manually operated players. Employs the new L-72 crystal cartridge. Axial-cushioned die-cast arm, offset head attractively designed and beautifully finished in light brown enamel. Will add to appearance and performance.

Shpg. wt. 1 1/2 lbs.
K221-Model 510.
Your Cost.....\$4.41



F



G



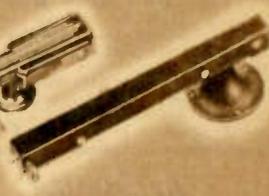
H



J



K



L

F) WEBSTER "T"

Lightweight. Low inertia. Braced for rigidity. Uses N-11 cartridge. 1V at 1000 cps. 1 oz. min. tracking pressure. Flat to 6000 cps. Cartridge weighs 25 grams. Arm attractively fluted. Grey-tan enamel finish. Flawless performance, maximum satisfaction.

K243-Webster T.
Your Cost.....\$3.82

G) CLARKSTAN Gauge

Measures phono needle pressure. Has only one moving part. Reads either grams or ounces up to 4 oz. Completely visible and ruggedly built - indispensable to engineers, manufacturers, servicers and radio salesmen. Warns at excessive wear to valuable recordings.

K219-Your Cost \$1.80

H) ASTATIC Model 508 Nylon

Improved appearance and performance. Semi-permanent sapphire-tipped replaceable needle. Response: 50-8000. Needle pressure 1 1/2 ounces. Arm is spring counter-balanced. Finished in light brown enamel. Shpg. wt. 1 1/2 lbs.

K224-
Your Cost.....\$10.79

J) ASTATIC Low-Pressure Crystal Pickups

Designed for high-standard performance. With permanent built-in jewel-tipped styli. Response: 50 to 4500 FP-18-50 to 7000 cycles. K239-FP-8 2 lbs. Your Cost Each \$10.79 K223-FP-18 2 lbs. Your Cost Each \$10.79 K228-FL-48 2 lbs. Your Cost.....\$8.17

K) ASTATIC AB-8, AB-8M

Wide range performance. Offset head. Model AB-8M has a hinged head. Ideal for sound trucks and mobile units. Employs 8-2 crystal cartridge. Smooth enamel finish. Response: 50 to 4000 cps. Wt. 2 lbs. K119-Model AB-8. Your Cost.....\$6.56 K242-Model AB-8M. Your Cost.....\$8.17

L) ASTATIC S-8, S-12

Employs type B cartridge. Standard black wrinkle finish. Response: 50 to 4000 cps. Needle pressure 2 3/4 ozs. Shpg. wt. 2 lbs. Equipped with axial cushioning. K161-Model S-8. For records up to 12". Your Cost.....\$6.56 K147-Model S-12. For records up to 16". Your Cost.....\$8.17



M



N



P



Q



R

M) G-E Reluctance Pickup

A variable reluctance pickup cartridge designed for high fidelity reproduction. Reduced hum, unusually low mechanical impedance and smooth high-frequency. Low level output of 11 millivolts. Natural sapphire tip stylus.

K218-
Your Cost.....\$4.47

N) ASTATIC Studio Master

Crystal pickup for use on lateral transcriptions and intended primarily for broadcasting and recording studio use. Response: 50 to 7000 cps. Nylon Model 400 response 50 to 8000 cps. Wt. 2 lbs.

K238-Model 400.
Your Cost.....\$14.70
K236-Nylon 400.
Your Cost.....\$14.70

P) BRUSH PL-20

Designed for use with lateral cut records, including broadcast transcriptions. Flat ±2 1/2 db to 6000 cps; slightly rising to 10,000 cps. 1.7V/.001" stylus displacement for const. amp. recordings. Force 30 gms. 14 1/2" lg. For records up to 16" diam. Black plastic & satin chrome.

K13462-PL-20.
Your Cost.....\$29.40

Q) ASTATIC Model B-16

An especially fine crystal pickup. Offset head reduces tracking error. Uses a 8-2 crystal cartridge. Free from mechanical resonance throughout audio range. Response: 50 to 4000 cycles. Wt. 4 lbs. K173-Model B-16. For records up to 16". Your Cost.....\$14.70 K172-810-records to 12". Your Cost.....\$11.47

R) AUDAX Pickup Assemblies

Model L-Flat ±2 1/2 db to 6500 cyc. 48 gms. press. -25 db. High imped. Withstands temp. and press. K210-L18. To 18" records. 13 1/2" lg. \$23.70 K13457-L17. To 12" records. 12" lg. \$16.50 Microdynes-Flat ±2 1/2 db to 7500 cyc. 43 gms. press. -25 db output. Imped. 200 ohms. May be used with jewel pt. K217-D39H. To 18" records. 14 1/2" lg. \$38.85 K13458-D38H. To 12" records. 12" lg. \$29.85 Pro-5-Designed for and equipped with special sapphire needle. Small moving mass reduces vibratory momentum. Flat ±2 db to over 10,000 cps. -35 db output. 35 gms. press. 200 ohms. K208-Pro-5-Your Cost.....\$81.00

phono needles, albums and recording discs

Long Playing Phono Needles For Commercial Records

- (A) Sapphire needle with offset shank for minimum wear and low scratch level. Shadowgraphed. Play about 2500 sides without need for change. **79¢**
K195—Your Cost Each
- (B) Lafayette. Excellent 4000 play needle. Low surface noise. **59¢**
K443—Your Cost Each
- (C) Norris flame-tipped needle. Good for thousands of plays. **\$3.00**
K179—Your Cost Each
 —Card of 10 \$15.00
- (C) Norris all-sapphire needle. **\$5.00**
K180—Your Cost Each
 —Card of 6 \$15.00
- (D) RECOTON Supra—finest quality sapphire, streamlined shaft minimizes record wear. **\$2.94**
K113—Your Cost
- (D) RECOTON Primus—long-life sapphire. **\$1.47**
K114—Your Cost
- (D) RECOTON sapphire playback needle. Especially designed for plastic records or home recordings. **\$3.53**
K116—Your Cost

Playback Phono Needles For Standard Commercial Records

- (E) High fidelity shadow tested steel needle. Each good for 10 sides. **8¢**
K430A—Package of 12, Your Cost
- K430B—Package of 30, Your Cost** 16¢
- (E) RCA steel phonograph needles.
- K159 Soft Tone (Pkg. of 75)** Any Package 10 Packs for 75¢
- K153 Full Tone (Pkg. of 100)** 10¢
- K160—Extra Loud (Pkg. of 100)** 10¢
- (E) RCA Chromium needles. Green shank. **25¢** 10 Packs \$1.80
- K357—Package of 6**
- (E) Lafayette Chrome plated individually shadowgraphed needles. Good for 15 plays each. **15¢**
K440—Package of 6, Your Cost
- (E) Green shank shadowgraphed needles. Good for 12 plays each. **45¢**
K432—Package of 100, Your Cost
- (F) RCA Red Seal needles, designed to play back Red Seal records. 10 Packages for \$1.50 **20¢**
K141—Package of 50, Your Cost



Playback Needles For Home Recordings

- (G) Sapphire point needle for home recordings only. Fine high frequency response. 6000 perfect plays with almost no record wear. **\$3.60**
K429—Your Cost Each
- (E) Transcription metal alloy needle. Long life, high-fidelity. Semi-permanent self-lubricating point. 40 to 50 hours on standard records, longer on home rec. **69¢**
K286—Your Cost Each
- (E) Red shank steel needles for acetate recordings. Individually shadow tested. **45¢**
K433—Package of 100, Your Cost

General Purpose Playback Needles

- For playing either home recording discs or standard commercial records (Victor, Decca, Columbia, Bluebird, etc.).
- (E) Transcription steel needle. Shadow tested. Fine response, little wear. Play 5 to 10 records. **6¢**
K346—Package of 10, Your Cost
- K347—Package of 25, Your Cost** 19¢
- K319—Package of 75, Your Cost** 30¢
- (F) Filter point highly polished surgical steel needle. Shadow tested. Low surface noise. 10-15 plays. **6¢**
K209—Package of 10, Your Cost
- K222—Package of 25, Your Cost** 15¢
- K226—Package of 200, Your Cost** 88¢
- (H) Cactus Needles: Cause no wear. Eliminate scratch. 10 Packages for \$1.89 **21¢**
K359—Package of 12, Your Cost
- (J) Greythorn Needles: Special thorn. Ideal for crystal pickups. Tested. **32¢**
K262—Package of 15, Your Cost

JENSEN Needle Pack

A bargain for servicemen! Here is a kit of phonograph needles which includes three JENSEN Royal Jewel needles (retailing at \$2.50 each) and three JENSEN Concert needles (retailing at \$1.00 each). Can be conveniently carried in pocket for immediate use on service calls. Printed matter alongside the needles tell you the selling points. **\$5.25**
K181—Kit of 6, Cost



Lafayette

Cactus Needle Sharpener

A new and improved type of needle sharpener that makes a smooth accurately shaped point on cactus or thorn needles. Has record brush. Wt. 1 lb. **95¢**
K274—Your Cost



Peter Grey Needle Pointer

Famous "Kacti" needle pointer for sharpening cactus needles. Well made and easy to use. Fitted with record brush. Beautifully packed—an excellent gift. Wt. 2 lbs. **\$1.25**
K293—Your Cost

K271 Garnet disc. Each 10¢
10 For 85¢



Stroboscopic Speed Checker

Placed on turntable and illuminated with a bulb (AC) indicates correct speed at 78 or 33 1/2 r.p.m. **K197—Each** 9¢
 FREE with purchase of phono eq. 9¢



Lafayette

Record Lubricants RENEWER: For acetate records. Cleans, lubricates and protects. Thin film of lubricant reduces friction. Hardens and preserves acetate records. **K399—2-ounce bottle** 29¢
Your Cost

RENEWER: Same as above but for commercial records such as RCA Victor, Columbia, Decca, etc. **K394—2-oz. bottle** 29¢
Your Cost

K395—1/2-oz. trial size 19¢
Your Cost

RECORD-EASE: Applied to recording blank before cutting it makes the shavings fluffy and reduces cutting friction. **K424—2-oz. bottle** 29¢
Your Cost



Phono Motor Lubricant and Grease

An indispensable item for the home or service shop carefully compounded as protection for all phono motors, record changers, automatic tuners, etc. Insure your phono equipment against wear and breakdown.

Lubricant	Stock	Grease	Your
No.	Oz.	No.	Oz.
K15200	2	K15201	2
K15194	2	K15201	4



Needle Set-Screws For Phono Pickups And Recorder Heads

Needle set screws (thumbscrew and slotted head) for all popular phono pickups and recording heads. Specially made and thoroughly hardened. Kit of ten assorted types, especially handy for all service shops. Includes all popular types. **K13981—Servicer's kit of 10 assorted screws** 89¢
Your Cost

RECORDING DISCS



Paper Base

Yellow label. Coated both sides. **K11969—SIX 6 1/2" Discs**... 60¢
K11970—SIX 8" Discs... \$1.00
K11971—SIX 10" Discs... \$1.40

LAFAYETTE Glass Base

Has a perfect uniform coating of highest grade nitrate on smooth glass base. **72¢**
 In lots of 12, Each 55¢
K11987—12" Size EACH 85¢
 In lots of 12, Each 69¢

Red Label Alum. Discs

Coated both sides on heavy gauge alum. base. Suitable for all types of home recording. Labeled.

No.	Size	1 to 24	25 Up
K11982	6 1/2"	20c	18c
K11983	8"	27c	Ea. 24c
K11984	10"	40c	35c
K11978	12"	53c	47c

PRESTO Recording Discs

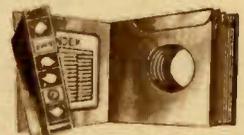
Orange Seal: Compares favorably in appearance and performance with commercial discs. Recommended for schools and studios. Coated both sides.

No.	Size	Each
K11955	6 1/2"	50.35
K11956	8"	.50
K11957	10"	.75
K11958	12"	1.00

Green Seal: Professional model. Alum. base. The finest grade of recording blank. Coated both sides.

No.	Size	Each
K11961	11 3/4"	\$1.80
K11960	13 1/4"	2.25
K11959	16"	3.25

"Protect-O-Flap" Album



Saves you the harrowing experience of having your favorite records slip out of the album accidentally. A protective flap on each pocket prevents just such accidents. Embossed mahogany color envelope.

No.	Size	Pockets	Lbs.	Each
K20207	10"	12	2	\$1.10
K20208	12"	12	2	\$1.29



De-Luxe Album

Gold embossed. Beautiful rich brown fabricoid cover. Sturdy construction. 12 pockets. 2 lbs. **K21892—10" size** 89¢
K21891—12" size \$1.05

Economy Model: Brown cover, sturdy construction. Index. 12 pockets. Shpg. Wt. 2 lbs. **K21886—10" size** 69¢
K21887—12" size 85¢/Ea. for 4.59

LAFAYETTE Record Carrying Cases



The best protection for your records. Strong all wood cases covered with attractive, durable fabricoid. Sturdy handle and hardware. 4 lbs.

K22345—Holds 50 ten-inch records.	Your Cost	\$4.29
K22346—Holds 25 twelve-inch records.	Your Cost	\$4.29

recording equipment

REK-O-KUT Professional Recording Equipment



"Master-Pro" Overhead Recording Mechanism
Crystal Cutter
 ● Master Cutter
 ● Master Performance

The "Master-Pro" is precisely machined, meticulously inspected and rigidly tested to give you a perfect product. Patented universal end support allows instant leveling of the mechanism by raising, lowering, or tilting the unit. Universal crystal mount for interchanging most magnetic or crystal cutters. Any length spiral, steep or shallow, in one motion. Drive gears totally closed to prevent fouling by loose chips. Patented "half nut drive" prevents grouping if one or two threads are torn or chipped. Stainless steel lead screw turns on hardened steel balls which need no lubrication. Standard screw cuts 120 lines/inch, outside-in. For any turntable with standard center pin. Black wrinkle and polished chrome finish. Shpg. wt. 15 lbs.

K139-Including crystal cutter. **\$175.00**
 Your Cost



Dual Speed 16" Recording Motor Assembly

A precision-constructed instrument. Used by many leading broadcasting stations and educational institutions. Lathe-turned 25 lb. cast-iron turntable, dynamically balanced, with disappearing drive pin and rubber turntable pad. Uses powerful constant speed motor. Adjustable stops regulate idler pressure against turntable. Machined mounting base has integral lathe bored and lapped turntable bearing. Designed for best use with "Master-Pro" 16" overhead recording mechanism. Shpg. wt. 52 lbs.

K22533-Model V-Standard. **\$165.45**
 Your Cost



Recording Level Meter

Enables artist to watch volume while recording. Dial readable up to 25 feet. Permits full groove utilization at 120 lines/inch. Eliminates need for second person to operate amplifier controls. Operates from output of 8, 15, 200, or 500 ohm amplifier. 3 lbs.

K134-Model VM-2 Meter. Your Cost. **\$29.50**



Matching Transformer

Designed to match the High Impedance, High Fidelity crystal cutter. Input taps at 8 and 500 ohms for tapping high impedance cutter on the voice coil or a 500 ohm amplifier line. Color coded pin jacks. Shpg. wt. 3 lbs.

K132-Model T-45 Transformer. **\$9.50**
 Your Cost



Sapphire Cutting Needles

(A) Lapped edge. For acetate discs. Precision cut jewel assures low surface noise and high fidelity. Over 5 hrs. cutting life.

K191-Your Cost Each **\$3.23**

(A) Like above with Long Shank for Presto Professional and Brush cutting heads.

K198-Your Cost Each **\$3.23**

(B) Sapphire cutter ground to W.E. specs. For acetate discs. 10 hours life. Can be reground.

K196-Your Cost Each **\$4.25**

Steel Cutting Needles

(C) Stellite cuts hundreds of acetate discs. Can be reground. **\$1.18**

K337-Your Cost Each

(D) Polished steel cutters for 15- to 20

ten inch acetate discs. **\$9.50**

K348-Package of 4. Your Cost

(D) Alloy cutter for acetate; harder than steel. Polish while they cut. Hand lapped.

K434A-Package of 5. **88¢**

Your Cost

PRESTO Model K Recorder

- Magnetic cutting head and pickup of highest grade.
- Full size 6-tube amplifier with push-pull triodes.
- Equalizer and tone control suppress needle scratch.
- Safety cam lever protects needles against damage.
- Loudspeaker may be operated at a distance from unit.
- Cutter feed mechanism protected from dirt & damage.
- Quick change from cutting outside-in to inside-out.
- Exclusive rubber-tired turntable with direct drive. Exceptionally light and compact. Ideally suited for sales training, industrial schools, speech teachers, and for professional actors and musicians. Records or plays back 15 minutes at 33 1/3 RPM (or 78 RPM when internal adjustment is made), on one side of a 13 1/4" disc; also makes 6, 8, 10 and 12 inch records. Works in 110 V, 60 cycle AC. Amplifier serves an audience of 5000.

K22500-Shipping weight 59 lbs. **\$348.00**
 Your Cost, Complete



GENERAL INDUSTRIES RECORDERS

Single Speed Home Recorder And Phono Assembly

Cuts records to 10" diam. Plays records to 12" diam. Cut-depth adjustment on retractable driving pin permits playing of standard records without adjustment. Heavy-duty rim drive induction motor. Self starting-uniform speed (78 RPM). Works on 110 V, 60 cycles AC. Assembly includes motor; 10" turntable; cutting mechanism; low press, crystal pickup; cutter arm rest; pickup rest; and 15" x 10" base plate. Shpg. wt. 16 lbs.

K22535-Model GI-R70L. **\$24.02**
 Your Cost



Dual Speed Home Recorder And Phono Assembly

Has same features as model above plus speed change dial which permits operation at 78 or 33 1/3 RPM. "Reproducer" and "Recorder" engraved on pickup and cutter arms. Dynamically balanced motor. Compensating switch operated by speed change dial. Works on 110 V, 60 cycles AC. Plate measures 15" x 11 1/2". 17 lbs.

K22537-Model GI-R90L. **\$28.37**
 Your Cost



Combination Record Changer-Recorder

Cuts records to 10", plays 10 or 12" records automatically. With lever in extreme position, all sizes of records easily removed. Non-jamming record handling fingers. Handles records with either run-in or oscillating trip grooves. Provision for guiding pickup needle on records without lead-in grooves. Shock mounting permits isolation of entire assembly. Furnished with low pressure crystal pickup; weighted 78 RPM turntable; on-off switch and spring mounted hardware. 14" x 14" base plate. Brown iridescent finish. Streamlined plastic trim on pickup and cutter arms with identification engraved. Shpg. wt. 25 lbs.

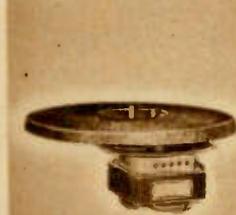
K22536-Model GI-RC130L. **\$39.34**
 Your Cost



Recording Motor And Turntable

Constant speed (78 RPM) self-starting motor. Weighted 10" turntable. Motor insulated from plate and table. Retractable drive pin. Rim driven. Driving pulley, idler wheel and turntable aligned in one plane. Oilless bronze bearings throughout. Furnished with mounting plate; turntable; mounting screws, nuts and washers. Depth from mounting plate to bottom, 2 1/8". Works on 110V, 60 cycles AC. Shpg. wt. 11 lbs.

K104-Model GI-RM4. **\$8.88**
 Your Cost



TECHNO-CRAFT

Overhead Recording Mechanism

A professional type overhead record cutting mechanism. Cuts 110 lines/inch. Available with Astatic X26 crystal cutter or Astatic M41 magnetic cutter. Instantaneous lock on up position. Positive engaging gear. Positive drive cannot be clogged by chips. Black wrinkle finish. Magnetic cutters have 8 ohm imp. Specify 500 ohms, if desired.



12" diam. models-wt. 4 lbs. **\$60.00**
 K111-Crystal cutter
 K112-Magnetic cutter

16" diam. models-wt. 6 lbs. **\$70.00**
 K115-Crystal cutter
 K129-Magnetic cutter



ASTATIC Magnetic Cutter

A superior, low impedance (8 ohms) magnetic recording head. Excellent as a new unit or as a replacement for existing equipment. Wide frequency range and excellent power sensitivity. Driving voltage, 3V. RMS. Useful upper limit, 7000 c.p.s. Oxidized finish. Net weight 3 1/2 ounces. Shipping weight 2 lbs.

K13727-Model M-41-8 **\$7.53**
 Your Cost



ASTATIC Crystal Cutters

Heavy die-cast cartridge assemblies. Wide frequency range and excellent power sensitivity. 1 1/2" x 3/4" x 3/4". Shipping weight 2 lbs.

K13767-Model X-26. Driving voltage 75V RMS. Useful upper limit 5000 cps. **\$7.53**
 K13768-Model X-29A. Driving voltage 120V RMS. Useful upper limit 6500 cps.
 Either Type, Your Cost

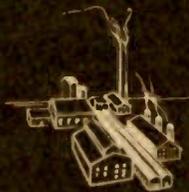
Headquarters For Superior Recording Equipment



RELIGION



EDUCATION



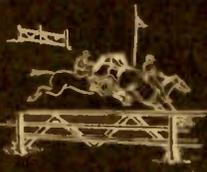
INDUSTRY



COMMERCE



ENTERTAINMENT



SPORTS



Lafayette FOR SOUND VALUE

Lafayette proudly presents its newest and finest array of sound amplifiers and systems. We can state, unqualifiedly, that at no time in our long career of supplying fine sound apparatus have we ever offered equipment to equal the performance, dependability and economy of these new units. Whatever your sound needs may be, from a tiny inter-communication system to a mammoth outdoor installation, you will find a Lafayette system that will satisfy your every requirement—and at typical Lafayette dollar-saving values.

Lafayette's sound engineering staff is at your service, should you require advice concerning your intended installation, at no cost to you, of course. Constructing special purpose amplifiers and sound equipment to order has always been one of our strong points. Write, wire, phone or call on our staff for the surest, most inexpensive solution to your sound problem.

Lafayette alone, among Sound Distributors, still offers you a 30-day trial—ample time to determine how very well a Lafayette System can meet your needs. As thousands of satisfied Lafayette users can testify, when you need fine sound equipment for any purpose, buy Lafayette. For splendid performance, rugged dependability and true economy, it's Lafayette For Sound Value.

Lafayette FOR SOUND VALUE



8 WATTS

- For Audiences Up To 500 Indoors—Areas Up to 3000 Sq. Ft. Outdoors
- Can Be Used With 1 Microphone And 1 Record Player—Mixing And Fading
- A Low-Cost Amplifier Of Excellent Quality—Many Worthwhile Features

More than just a starting point in selecting the right amplifier for the right job. A high quality, sturdy amplifier which can be used by store demonstrators, cafeterias, restaurants, auctioneers, in paging systems and similar applications. Versatile "convenience" features include separate mike and phono controls, three output impedances of 8, 15 and 500 ohms, and a bass-treble acoustic compensator. Operating controls are on front panel, distinctively labeled, simple to use. Input and output sockets are placed at rear. Consideration for the non-technical "layman" will appear obvious in the easy-to-make connections. All wiring and smaller electrical parts may be exposed by removal of the bottom panel. Separate circuit and separate controls permit any variation of mix-

ing and fading. All inputs may be used at the same time. Thus, announcer may speak while phono record player operates, or volume level of music may be diminished while announcer cuts in. Latest inverse negative feedback circuit is used for better frequency and minimum distortion. Ample spacing of parts for rapid heat dissipation and longer life of tubes and other components. Finished in handsome tan wrinkle, with dark brown panel and red plastic knobs. A pleasant yet subdued color combination to satisfy the discriminating eye. For those who want an efficient low power amplifier at minimum cost, this is a real buy!

MODEL 708—8-watt amplifier, complete with tubes. Code FLOCK.
10 lbs.
Your Cost..... **\$27.60**

SPECIFICATIONS	
Normal Power Output	8 Watts
Microphone Channel	..... 1
Phono Channel	..... 1
Tone Control	..... 1
Microphone Gain	..... 117 db
Phono Gain	..... 72 db
Frequency Response:	40 to 9,000 C.p.s.
Hum Level Below Normal Output:	-58 db.
Distortion At Normal Output:	Less than 5%.
Output Impedances:	8, 15, and 500 ohms.
Separate Mike & Phono Controls	
Bass-Treble Tone Control	
Current Requirements:	110-120 V. A.C., 60 cycles, 65W.
Tube Lineup:	1-7C7, 1-7B4, 1-6L6G, 1-5Y3G (rectifier).
Dim.:	9 1/2" H x 6" W x 7" D.

LAFAYETTE 8-Watt Indoor System

Lafayette's outstanding value-leader in the low-power field. A perfectly balanced combination. Lightweight mike for hand or desk use. Heavy duty 10" speaker. Attractive wall baffle. An unusual buy!

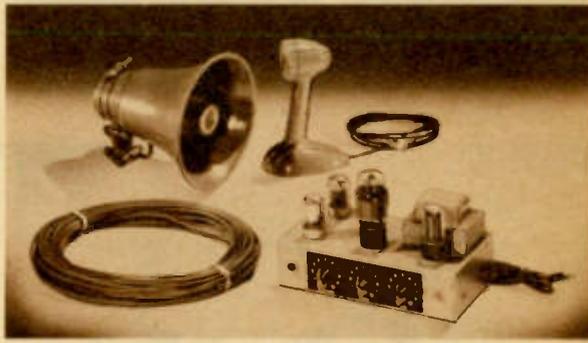
MODEL 701S—Complete unit includes:
1—Model 708 Amplifier, complete with tubes.
1—10-inch PM Speaker K19290.
1—Fabrlok Wall Baffle K20064.
1—Combination Crystal Mike and Stand with 7 1/2-foot cable and end connector attached K13623.
1—25-foot cable K20920.
READY TO OPERATE. Complete with instruction and plugs. Code FLORA.
27 lbs.
Your Cost..... **\$44.60**



LAFAYETTE 8-Watt Outdoor System

Perfect for outdoor lectures, demonstrations, sideshows, paging systems, etc. Designed for simple installation. Clear sound output overcomes background noises, an indispensable feature in outdoor systems.

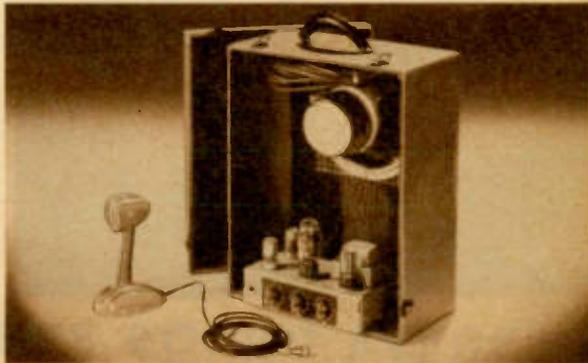
MODEL 703H—Complete unit includes:
1—Model 708 Amplifier, complete with tubes.
1—University Speaker K19348.
1—Combination Crystal Mike and Stand with 7 1/2-foot cable and end connector attached K13623.
1—25-foot cable K20920.
READY TO OPERATE. Complete with instructions and plugs. Code FLOWN.
17 lbs.
Your Cost..... **\$52.00**



LAFAYETTE 8-Watt Economy Portable

The ideal outfit for demonstrators, salesmen, lecturers, etc. Amplifier is removable as a unit from the sturdy carrying case. Case has wire mesh behind speaker opening to prevent damage to speaker cone.

MODEL 702P—Complete unit includes:
1—Model 708 Amplifier, complete with tubes.
1—10-inch PM Speaker K19290.
1—Portable Speaker Case K19445.
1—Combination Crystal Mike and Stand with 7 1/2-foot cable and end connector attached K13623.
1—25-foot cable K20920.
READY TO OPERATE. Complete with instructions and plugs. Code FLUID.
23 lbs.
Your Cost..... **\$51.00**





18 WATTS

- For Audiences Up To 1500 Indoors—Areas Up To 5000 Sq. Ft. Outdoors
- Can Be Used With 1 Microphone And 1 Record Player—Mixing And Fading
- For "Extra" Coverage And Quality Where More Than Low Power Is Needed

Destined to become one of the most popular units in our high-value low cost sound systems, this high quality amplifier is expressly designed for small industrial plants, offices, classrooms, small restaurants, taverns, cafes, and innumerable similar applications. Has individual mike and phono controls and a special circuit for mixing and fading both inputs. Five output impedances of 2, 4, 8, 15, and 500 ohms. Bass-treble tone equalizer for desired tone range without distortion. Inverse feedback circuit insures uniform amplifier response with minimum distortion. Ample cabinet size for better component placement and lower operating temperature. All connections at rear. Amplifier is conservatively rated to give 18-watt output. Frequency response within 2 db over entire audible range. All rat-

ings conservative. Pilot light tells whether set is on. Housing finished in tan wrinkle with contrasting brown control panel and red plastic knobs. Ample grillwork provides rapid heat dissipation, thus insuring longer tube and component life. Optional model has a built-in phono record player with Astatic pickup. Takes records up to 12 inches in diameter. A versatile amplifier, chock-full of electronic features, at rock-bottom cost.

MODEL 718 — 18-watt amplifier, complete with tubes, less phono record player. Code FLUSH.
Shpg. wt. 20 lbs. **\$38.25**
Your Cost.....

MODEL 719—Same as above, but with built-in phono record player. Code FLUTE.
Shpg. wt. 23 lbs. **\$51.75**
Your Cost.....

SPECIFICATIONS

Normal Power Output, 18 Watts
Microphone Channel 1
Phono Channel 1
Tone Control 1
Microphone Gain 120 db
Phono Gain 75 db
Frequency Response: 50 to 10,000 c.p.s.
Hum Level Below Normal Output —55 db.
Distortion At Normal Output: Less than 5%.
Output Impedances: 2, 4, 8, 15, and 500 ohms.
Sep. Mike & Phono Controls.
Bass-Treble Tone Control.
Current Requirements: 110-120 V. A.C., 60 cycles, 110 W.
Tube Lineup: 1-7C7, 1-7F7, 2-6L6G, 1-5Y3G (rectifier).
Dim.: 12" H x 7" W x 7 $\frac{1}{4}$ " D.

Lafayette FOR SOUND VALUE

LAFAYETTE 18-Watt Indoor System

A specially chosen combination suitable for indoor applications. Use of dual speakers gives greater power handling capacity and distribution of sound energy. Microphone has built-in wind gag and -52 db output. Adjustable stand provided with sure-grip automatic friction clutch. Wall baffles are made of hardwood with brown leatherette covering. Easy to install and operate.

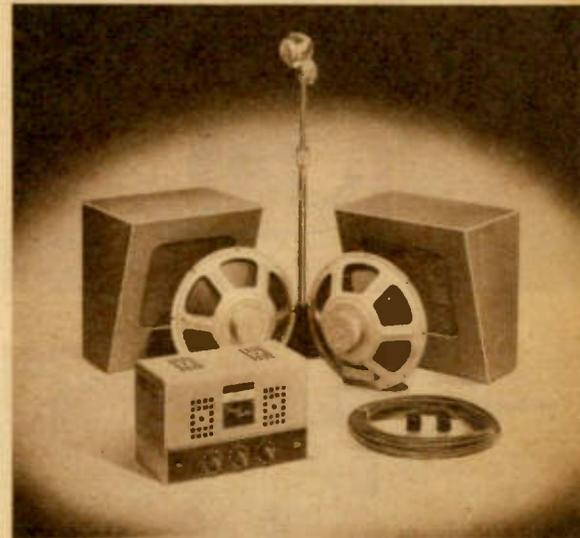
MODEL 705S—Complete unit includes: 1—Model 718 Amplifier, complete with tubes, less phono record player.

2—12-inch PM Speakers K19272.
2—Fabrikoid Wall Baffles K20066.
1—Adjustable Mike Stand K13647.
1—Turner 22X Crystal Mike K13445.
1—50-foot cable K20920.

READY TO OPERATE. Supplied complete with instructions and plugs. Microphone has 7-foot cable with end connector attached. Code FOILS.

Shpg. wt. 75 lbs. **\$75.00**
Your Cost.....

MODEL 706SP—Same system as above, but with built-in phono record player. Code FOIST.
Shpg. wt. 80 lbs. **\$88.00**
Your Cost.....



LAFAYETTE 18-Watt Outdoor System

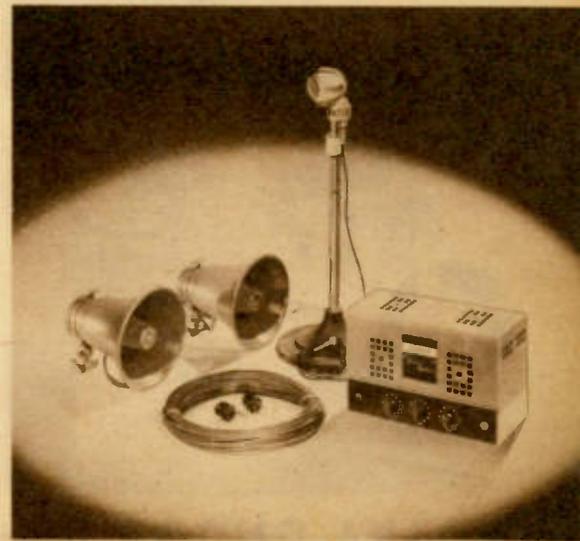
A superior outdoor system with coverage up to 5000 square feet. Compact, weatherproof speakers have extremely high projecting efficiency due to the specially designed reflex feature. This gives the same effect as added "booster" amplifiers. Microphone stand adjustable from 35 to 68 inches. Microphone has built-in wind gag and -52 db output. Optional system has built-in phono record player which takes records up to 12".

MODEL 710H—Complete unit includes: 1—Model 718 Amplifier, complete with tubes, less phono record player.
2—University 18-8 Horns K19348.
1—Turner 22X Crystal Mike K13445.
1—Adjustable Mike Stand K13647.
1—50-foot cable K20920.

READY TO OPERATE. Microphone has 7-foot cable with end connector attached. Complete with instructions and plugs. Code FORAY.

Shpg. wt. 48 lbs. **\$87.00**
Your Cost.....

MODEL 711HP—Same as above with built-in phono record player. Code FORBY.
Shpg. wt. 53 lbs. **\$100.75**
Your Cost.....





25 WATTS

- For Audiences Up to 3,000 Indoors—Areas Up to 20,000 Sq. Ft. Outdoors
- Can Be Used With Two Microphones And One Record Player—Mixing and Fading
- A Quality-Built Amplifier Ideal For Most Applications Yet Very Reasonably Priced

Lafayette's latest model of this very popular amplifier size. Ideal for use in churches, small halls, restaurants, etc. Especially suitable for dance bands. Another of our models which the practical purchaser will consider for its quality and performance efficiency. It is also an ideal outdoor amplifier which will cover areas up to 20,000 square feet with ease. For flexible operation, it has two separate microphone channels in addition to a standard record player channel. Individual controls for each channel. Output is tapped at 2, 4, 8, 15 and 500 ohms for impedance matching. Boss-treble tone equalizing circuit allows for variation in frequency response. Multiple mixing circuit permits the use of both microphones and the phono record player in any combination.

Inverse feedback assures excellent frequency response over entire audible range. Larger cabinet and chassis permit wider spacing for proper ventilation and use of more costly components. All parts have ultra-conservative ratings with respect to over-load capacities. Optional model has built-in phono record player. Record player has Astatic pickup and takes records up 12 inches in diameter.

MODEL 726 — 25-watt amplifier, complete with tubes, less phono record player. Code FARAD.
Shpg. wt. 30 lbs. **\$53.85**
Your Cost.....

MODEL 727—Same as above, but with built-in phono record player. Code FARCE.
Shpg. wt. 33 lbs. **\$65.15**
Your Cost.....

SPECIFICATIONS

Normal Power Output: 25 Watts
Microphone Channels 2
Phono Channel 1
Tone Control 1
Microphone Gain 125 db
Phono Gain 80 db
Frequency Response: 50 to 10,000 c.p.s.
Hum Level Below Normal Output: —57 db.
Distortion At Normal Output: Less than 5%.
Output Impedances: 2, 4, 8, 15, and 500 ohms.
Separate Mike & Phono Controls
Mixing and Fading.
Bass-Treble: Tone Control.
Current Requirements: 110-120 V. A.C., 60 cycles, 135 W.
Tube Lineup: 2-7B4, 1-7N7, 2-6L6G, 1-5U4G (rectifier).
Dim.: 15" H x 8 1/4" W x 8 1/4" D.

Lafayette FOR SOUND VALUE

LAFAYETTE 25-Watt

Indoor System

A complete indoor system at a surprisingly low price! Speakers handle full audio output; dust-proof voice coils and magnets covered by pressed fibre housings. Two speakers provided to achieve full usefulness of amplifier output. Adjustable floor stand and microphone with built-in wind gag are further assets to this sound system. Flexibility and power at an economical level!

MODEL 7125—Complete unit includes:
1—Model 726 Amplifier, complete with tubes, less phono record player.
2—G.E. 12-inch PM Dynamic Speakers K19305.
2—Fabrikoid Wall Baffles K20066.
1—Microphone Stand K13647.
1—Turner 22X Crystal Mike K13445.
1—100' cable K20920.

READY TO OPERATE. Complete with instructions, plugs and 7-foot microphone cable with end connector attached. Code FAURD.

Shpg. wt. 85 lbs. **\$95.70**
Your Cost.....

MODEL 7135P—Same as above, but with built-in phono record player. Code FAUSE.
Shpg. wt. 90 lbs. **\$106.40**
Your Cost.....



LAFAYETTE 25-Watt

Outdoor System

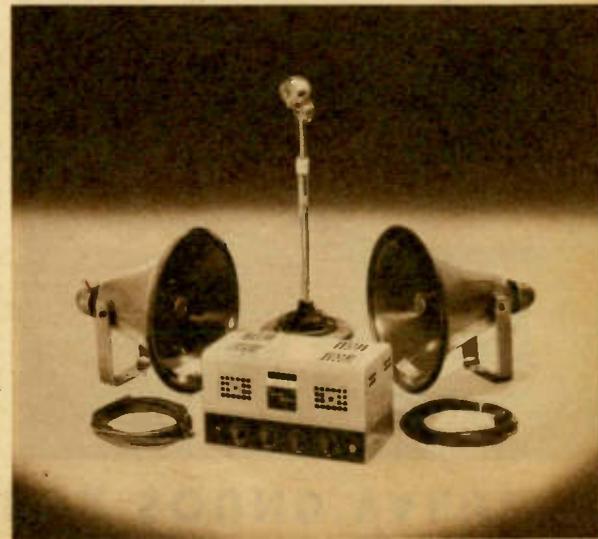
A Lafayette sound system that includes components which adequately match the amplifier for rated power and efficiency. Uses two heavy duty driver units with highest quality Alnico magnets and one-piece molded phenolic diaphragms. Drivers and trumpets immune to extreme temperatures and corrosion. The reflex horns are compact and completely weatherproof. Microphone has —52 db output and mike stand is adjustable to 68".

MODEL 717H—Complete unit includes:
1—Model 726 Amplifier, complete with tubes, less phono top.
2—University SMH Horns K20045.
2—University MAH Drivers K21305.
1—Adjustable Mike Stand K13647.
1—Turner 22X Crystal Mike K13445.
1—100-foot cable K20920.

READY TO OPERATE. Complete with instructions, plugs and 7-foot microphone cable with end connector attached. Code FLAME.

Shpg. wt. 68 lbs. **\$119.85**
Your Cost.....

MODEL 720HP—Same as above, but with built-in record player. Code FLANK.
Shpg. wt. 73 lbs. **\$130.50**
Your Cost.....





35 WATTS

- For Audiences Up To 4000 Indoors—Areas Up To 30,000 Square Feet Outdoors
- Can Be Used With Two Microphones And One Record Player—Mixing and Fading
- A Sturdy Power Amplifier—Easy to Operate—Still Easier To Buy

A high-quality amplifier perfected for a wide variety of applications. With enough power for indoor audiences up to 4000 people it is an ideal unit for the larger dance halls, churches, school auditoriums, theatres and concert halls. Designed to fill the "gap" between medium power and high power systems. One of the outstanding features is the electronic boss and treble boost through use of two individual tone controls. Inverse feedback reduces harmonic distortion, stabilizing the amplifier and improving the wave form on overall response. Both microphones and phono may be used at the same time, separate controls being provided for the purpose. Multiple output impedances of 2, 4, 8, 15, and 500 ohms allow for flexibility of speaker arrangement. Proper

spacing of components gives minimum power loss and maximum heat dissipation. All parts have been chosen for their high overload safety factor. Quality craftsmanship in all connections gives added protection against rough handling and long use. Pilot light lets you know when set is on. Exterior is finished in our new tan wrinkle. No superfluous frills which damage easily or only serve to add undesirable bulk. Ample grillwork provides rapid heat elimination, thus lengthening the life of the tubes and other components. With this high power, precision engineered amplifier, you get quality plus performance at nominal cost!

MODEL 735 — 35-watt amplifier, complete with tubes. Code FACIL. Shpg. wt. 30 lbs. **\$63.90**
Your Cost

SPECIFICATIONS

Normal Power Output	35 Watts
Microphone Channels	2
Phono Channel	1
Tone Controls	2
Microphone Gain	125 db
Phono Gain	79 db
Frequency Response	50 to 10,000 c.p.s.
Hum Level Below Normal Output	-55 db.
Distortion At Normal Output	Less than 5%.
Output Impedances	2, 4, 8, 15, and 500 ohms.
Separate Mike & Phono Controls	Individual Bass and Treble Tone Controls.
Current Requirements	110-120 V. A.C., 60 cycles, 150 W.
Tube Lineup	4-7C7, 1-7N7, 2-6L6G, 1-5U4G (rectifier).
Dim.	15 1/4" H x 8 1/2" W x 8" D.

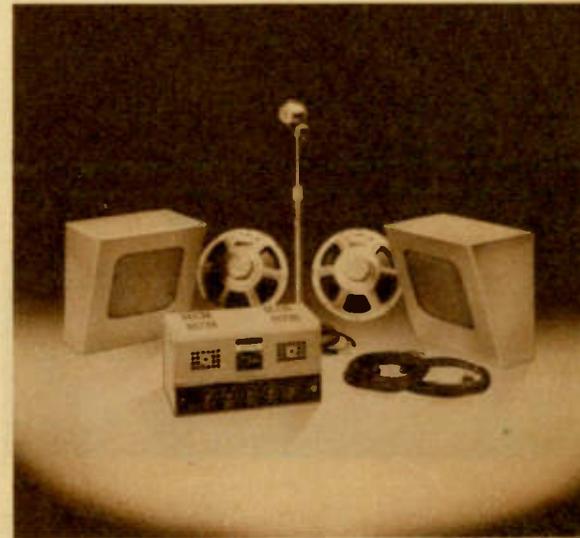
Lafayette FOR SOUND VALUE

LAFAYETTE 35-Watt Indoor System

The complete indoor system with power plus. Ruggedly assembled 12-inch speakers. Angled-face wall baffles give wide area coverage. High efficiency crystal microphone with 7-foot cable and connector. Dual speakers and extra length cable provide maximum power distribution. Adjustable microphone stand extends from 35 to 68 inches. All the "musts" for perfect indoor operation. No technical experience necessary to make the simple connections. High power at extremely low cost!

MODEL 721S—Complete unit includes:
1—Model 735 Amplifier, complete with tubes.
2—12-inch Permanent Magnet Dynamic Speakers K19306.
2—Fabrikoid Wall Baffles K20066.
1—High Quality Adjustable Microphone Floor Stand K13647.
1—Turner 22X Crystal Microphone K13445.
1—100-foot cable K20920.
READY TO OPERATE. Complete with instructions and all plugs necessary for making connections. Code FAGOT.

Shpg. wt. 85 lbs. **\$108.50**
Your Cost



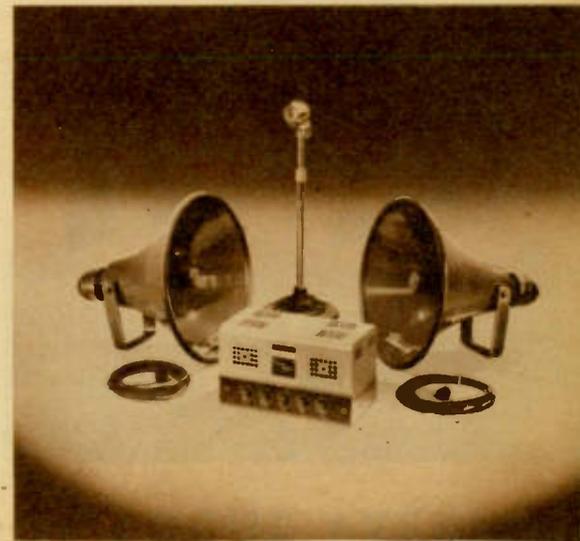
LAFAYETTE 35-Watt Outdoor System

Intended particularly for outdoor use or for high noise level indoor area. Projectors are heavy gauge all-metal reflex horns. Exponential air column results in high efficiency. Reflex feature gives projectors acoustic length of 42 inches. Driver units have sealed diaphragms and heat dissipating voice coil. Crystal microphone has built-in wind gag and -52 db output. Adjustable microphone stand. Extra length cable supplied. A complete, well-matched outdoor unit.

MODEL 723H—Complete Unit includes:
1—Model 735 Amplifier complete with tubes.
2—University Reflex Projectors K20049.
2—University Driver Units K21301.
1—Turner 22X Crystal Mike K13445.
1—High Quality Adjustable Microphone Floor Stand K13647.
1—100-foot cable K20920.

READY TO OPERATE. Complete with instructions, plugs and 7-foot mike cable with end connector attached. Code FAINT.

Shpg. wt. 81 lbs. **\$151.65**
Your Cost



Lafayette FOR SOUND VALUE

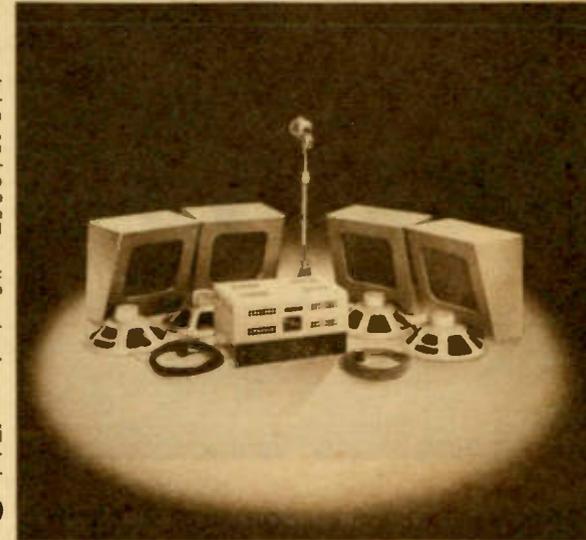
LAFAYETTE 50-Watt

Indoor System

A powerful indoor system using four speakers for maximum power distribution. For permanent installations in theatres, schools, auditoriums, camps, etc., this system provides reproduction of the highest quality. Matching equipment features the 12-inch speakers with 100 watts peak capacity, crystal mike with -52 db output, adjustable mike stand which extends to 68 inches, and scientifically designed wall baffles.

MODEL 724S—Complete unit includes:
 1—Model 750 Amplifier, complete with tubes.
 4—12-Inch PM Dynamic Speakers K19306.
 4—Fabrikoid Wall Baffles K20046.
 1—Adjustable Microphone Stand K13647.
 1—Turner 22X Crystal Microphone K13445.

1—200-foot cable K20920.
READY TO OPERATE. Entire system, complete with instructions, plugs, and 7-foot microphone cable with end connector attached. No extras to buy. Code Forth.
 Shpg. Wt. 150 lbs. **\$160.00**
 Your Cost.....



LAFAYETTE 50-Watt

Outdoor System

An outdoor system built to the highest standards of performance and coverage at the rated power of 50 watts. Highly sensitive projectors accomplish this requirement. These reflex projectors are engineered so that their directivity easily overcomes the noise level typical in many outdoor installations, particularly in industrial areas. The drivers are built to highest standards of electrical and mechanical tolerances to insure peak efficiency. Microphone has -52 db output and mike stand is adjustable from 35" to 68".

MODEL 728H—Complete unit includes:
 1—Model 750 Amplifier, complete with tubes.
 2—University Reflex Projectors K20049.
 2—University Driver Units K21301.
 1—Adjustable Mike Stand K13647.
 1—Turner 22X Crystal Microphone K13445.

1—100-foot cable K20920.
READY TO OPERATE. Complete with instructions, plugs and 7-foot microphone cable with end connector already attached. Code Forum.
 Shpg. wt. 98 lbs. **\$170.30**
 Your Cost.....



50 WATTS

- For Audiences Up To 7000 Indoors—Areas Up To 50,000 Sq. Ft. Outdoors
- Can Be Used With Two Microphones And One Record Player—Mixing And Fading
- A High Power Amplifier For "Extra" Quality Installations—Nominal Cost

Lafayette's newest and finest engineering facilities were used to produce this high power amplifier. Uses a push-pull parallel arrangement of 6L6's to obtain extra power. Excellent for centralized public address systems in hotels, industrial plants, schools, night clubs, station terminals, ballrooms, fairs, theatres, dance halls, etc. Designed for great volume and large coverage. Can be used simultaneously with two microphones and one phono record player. Separate controls are available for each channel, permitting any degree of mixing and fading. Individual bass and treble equalizers assure highly sensitive tone correction. This amplifier will give a substantially flat response over the entire frequency range of 50 to 10,000 cycles per second. Distortion is kept well below the audible minimum. Highly dependable and foolproof in operation. All controls have large legible

identification and wide range calibration. Hum-free operation. Inverse feedback circuit reduces harmonic distortion and stabilizes overall response. All components designed for highest overload safety factor. Multiple output impedances of 2, 4, 8, 15, and 500 ohms—all you need for flexible output matching arrangements. Other features which you will appreciate are the easily accessible protective fuse and ample heat dissipating grille-work. All operating controls are clearly identified. Variable controls are calibrated for convenient use. Connections are made on out-of-the-way rear panel. Finished in tan wrinkle with matching brown control panel and red plastic knobs. Craftsmanship and style at low cost!

MODEL 750 — 50-watt amplifier, complete with tubes. Code Forte. Shpg. wt. 47 lbs. **\$84.60**
 Your Cost.....

SPECIFICATIONS

Normal Power Output...50 Watts
 Microphone Channels 2
 Phono Channel 1
 Tone Controls 2
 Microphone Gain 125 db
 Phono Gain 80 db
 Frequency Response: 50 to 10,000 c.p.s. ± 2 db.
 Hum Level Below Normal Output — 56 db.
 Distortion At Normal Output: Less than 5%.
 Output Impedances: 2, 4, 8, 15, and 500 ohms.
 Mike & Phono Controls, Bass and Treble Tone Controls, Built-in Protective Fuse.
 Voltage Requirements: 110-120 V. A.C., 60 cycles, 200 W.
 Tubes: 2-7C7, 1-7F7, 1-7N7, 4-6L6G, 2-5U4G (rectifiers)
 Dimensions: 16" H x 10 1/4" W x 10 1/4" D.



75 WATTS

- For Audiences Up To 10,000 Indoors—Areas Up To 70,000 Sq. Ft. Outdoors
- For Use With Two Microphones And One Phono Record Player—Mixing and Fading
- Exceptionally High Power Output Yet Very Compact And Easily Operated

Tremendous power plus extreme versatility distinguishes this new Lafayette 75-Watt amplifier. The circuit employs four 6L6 tubes in push-pull parallel operating in A8-2. A separate rectifier supplies the fixed bias voltage for the output tubes. This amplifier is unparalleled for use in ball parks, large halls, for chime amplification, or wherever great power and absolute clarity of reproduction are essential. It will accommodate two microphones and a phono record player simultaneously. Separate controls are provided for each channel to permit any desired combination of mixing and fading. Individual bass and treble tone controls allow for any tone range. Output is tapped at 4, 8, 15, 125, 250 and 500 ohms for any speaker arrangement you may choose. To conserve power, a "stand-by" switch is installed on the control panel. By using this switch you can

keep the tube filaments warm with negligible current drain. You can thereby operate the amplifier at a moment's notice without a preliminary "warm-up" period. Amplifier circuit employs inverse feedback to insure uniform response along the entire audio range. Meticulous design of chassis and placement of parts represents a significant Lafayette achievement. There is ample heat dissipating grillwork and an easily accessible protective fuse. Cabinet is functional and attractive, built for sturdy and convenient use. Finished in tan wrinkle with red plastic control knobs on a dark brown panel. Careful engineering and advanced production methods give you a power-plus amplifier at modest cost.

MODEL 775 - 75-Watt amplifier, complete with tubes. Code FLEUR. Shpg. wt. 68 lbs. \$194.95
Your Cost

SPECIFICATIONS

Normal Power Output...75 Watts
Microphone Channels2
Phono Channel1
Tone Controls2
Microphone Gain124 db
Phono Gain94 db
Freq. Resp.: 50 to 10,000 c.p.s.
Hum Level Below Normal Output: -59 db.
Distortion At Normal Output: Less than 5%.
Output Impedances: 4, 8, 15, 250, 125, and 500 ohms.
"Stand-by" Switch.
Sep. Mike & Phono Controls.
Bass and Treble Tone Controls.
Current Requirements: 110-120 V. A.C., 60 cycles, 350 W.
Tube Lineup: 2-7C7, 2-7F7, 2-6V6G, 4-6L6, 2-83V, 1-5Y3G (rectifier).
Dim.: 17" H x 13 1/2" W x 8 3/4" D.

Lafayette FOR SOUND VALUE

LAFAYETTE 75-Watt Indoor System

All the components to do full justice to the powerful 75-watt amplifier. Four heavy duty and high-quality speakers. Microphone has an automatic barometric compensator, a built-in wind gag, and is thoroughly impregnated against moisture. Speaker baffles are scientifically tilted for best results when wall mounted. Microphone floor stand supplied with this unit extends from 35" to 68". It is provided with a sure-grip automatic friction clutch which locks firmly at the desired height.

MODEL 7295—Complete unit includes:
1—Model 775 Amplifier, complete with tubes.
4—12-inch FM Speakers K19306.
4—Fabrikoid Wall Baffles K20066.
1—Adjustable Microphone Floor Stand K13647.
1—Turner 22X Crystal Microphone K13445.
1—200-foot cable K20920.

READY TO OPERATE. Complete with instructions, plugs and 7-foot cable with end connector already attached.
Code FLIER. 160 lbs. **\$179.45**
Your Cost

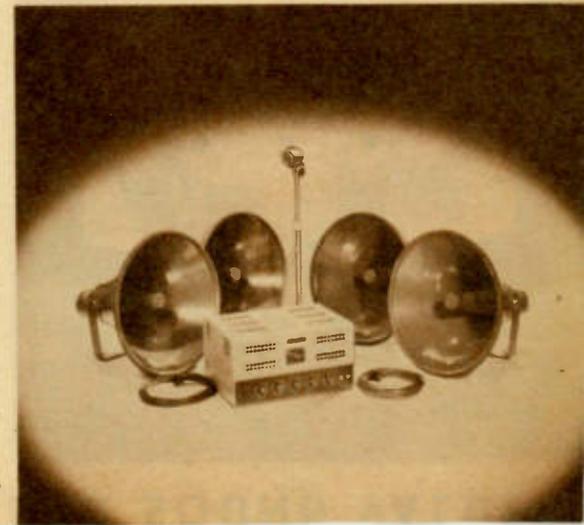


LAFAYETTE 75-Watt Outdoor System

An outdoor system which literally reaches out into space and captures the attention of anyone within its tremendous range. Four ready-to-mount high efficiency reflex projectors are employed. Each is used with a perfectly aligned driver unit. Their directivity overcomes considerable incidental noise. Microphone has built-in wind gag and -52 db output. The microphone stand has an automatic friction clutch which locks firmly at any height between 35 and 68 inches.

MODEL 730M—Complete unit includes:
1—Model 775 Amplifier, complete with tubes.
4—University Reflex Projectors K20049.
4—University Driver Units K21301.
1—Adjustable Microphone Floor Stand K13647.
1—Turner 22X Crystal Microphone K13445.

1—200-foot cable K20920.
READY TO OPERATE. Complete with instructions, plugs and 7-foot cable with end connector already attached.
Code FLIRT. 152 lbs. **\$262.65**
Your Cost





25 WATT MOBILE

- Covers Outdoor Areas Up To 3000 Sq. Ft.—Up To 20,000 People Indoors
- Can Be Used With One Microphone And One Record Player—Mixing and Fading
- Operates From Standard 6-Volt Storage Battery Or 115 Volts 60 Cycles AC

Designed for both indoor and outdoor use, this new Lafayette Mobile Amplifier will operate equally well from either 115 volts 60 cycles AC or from an ordinary 6-volt storage battery. It is ideal for use in trucks and passenger cars for advertising, police, electioneering and similar work. Ample power, simple operation and attractive design plus a surprisingly low price make this an outstanding value! Practical design meets all operating conditions. Provision is made for the simultaneous use of two microphones. A "battery cover" or "stand-by" switch is incorporated for use on car battery. Tubes stay warm with negligible current drain, and the amplifier is ready for instant use. Immediate conversion from line to battery operation without superfluous changeover switch. A heavy-duty vibrator permits long, hard dependable service under all conditions. Latest inverse feedback circuit insures excellent response

over entire audio range. All inputs may be used at the same time. Five high and low output impedances are provided for proper match with a variety of speaker types and arrangements. Special circuit arrangement and separate controls permit any variation of mixing and fading. Bass-treble tone control compensates for acoustic conditions. Chassis built to withstand hard usage often encountered with mobile systems. All danger of overheating eliminated not only by carefully conceived layout but by additional grillework where it is most needed. Oversize components on large chassis also reduces operating temperature. Built-in phono record player has Astatic pickup and takes 12" records.

MODEL 725M — 25-Watt mobile with built-in record player and tubes. Code FLARE.

Shpg. wt. 42 lbs. **\$89.85**
Your Cost.....

SPECIFICATIONS

Normal Power Output 25 Watts	
Microphone Channels	2
Phono Channel	1
Tone Control	1
Microphone Gain	125 db
Phono Gain	78 db
Frequency Response: 50 to 10,000 c.p.s.	
Hum Level Below Normal Output:	-55 db.
Distortion At Normal Output:	Less than 5%.
Output Impedances: 2, 4, 8, 15, and 500 ohms.	
Separate Mike & Phono Controls.	
"Stand-by" Switch.	
Current Requirements: 110-120 V. A.C., 60 cycles, 135 W.	
D.C. Battery Drain: 22 amps. at 6 volts.	
Tube Lineup: 2-7B4, 1-7N7, 2-6L6G, 1-5U4G (rectifier).	
Dimensions: 12" Hx10" Wx8" D.	

Lafayette FOR SOUND VALUE

LAFAYETTE 25-Watt Mobile Phono Top Economy System

An excellent indoor as well as outdoor system. Attractive metal projectors with brackets for easy mounting. Non-breakable high impact microphone has -47 db output and a high capacity moisture-sealed crystal. Supplied with 7½-foot cable with end connector attached and ready for immediate plug-in. G.E. 12" PM Speakers have peak wattage rating of 15-watts each and 6-8 ohm voice coils. Amplifier has five output impedances for tone or voice coil connections.

MODEL 731E—Complete unit includes: 1—Model 725M amplifier complete with tubes and built-in phono.

2—Economy Projectors K20054 with mounting brackets K20095.

2—12-inch PM Speakers K19384.

1—Electro-Voice Crystal Microphone K13623.

1—50-foot cable K20920.

READY TO OPERATE. Furnished complete with instructions and plugs. Code FLASH.

Shpg. wt. 95 lbs. **\$133.85**
Your Cost.....



LAFAYETTE 25-Watt Mobile Phono Top De-Luxe System

For sound truck use, political rallies, electioneering and all-around sound use where both AC or 6-volt storage battery current are to be used interchangeably. No finer 25-watt mobile system obtainable. Reflex projectors have high efficiency exponential air columns. Drivers handle 25 watts of audio power. Drivers are rim centered for perfect alignment. Crystal hand microphone has excellent response and output, push-to-talk switch, and 7-foot shielded cable with end connector attached. Speakers are 100% waterproof. Built-in record player takes 12" diameter records.

MODEL 732D—De-Luxe unit includes: 1—Model 725M phono top amplifier complete with tubes.

2—SMH University Projectors K20045.

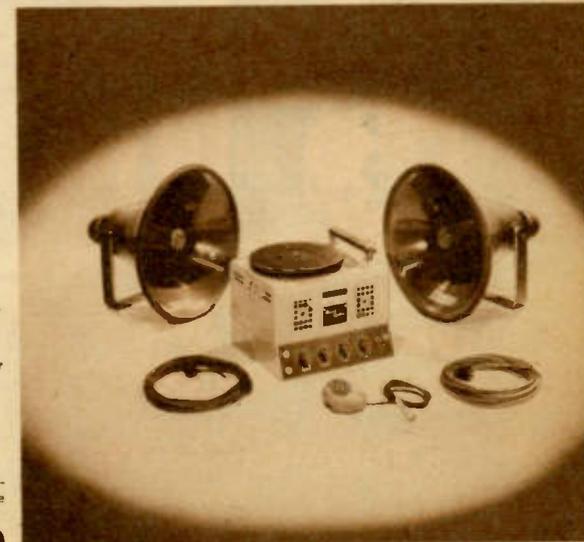
2—MAH University Drivers K21305.

1—SHURE Hand Mike K13649.

1—50-foot cable K20920.

READY TO OPERATE. Furnished complete with instructions and plugs. Code FLECK.

Shpg. wt. 64 lbs. **\$152.60**
Your Cost.....

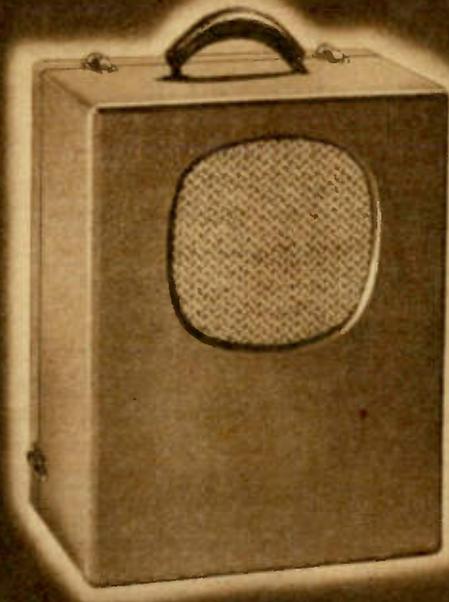
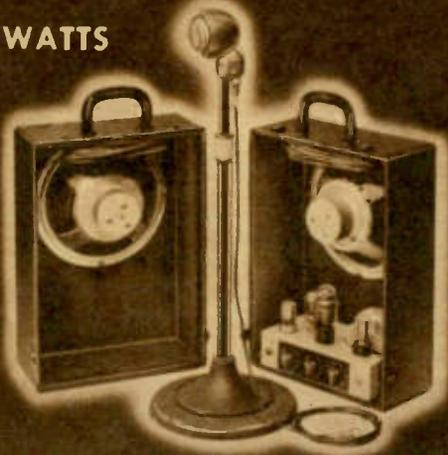


Lafayette DE-LUXE PORTABLE SOUND SYSTEMS

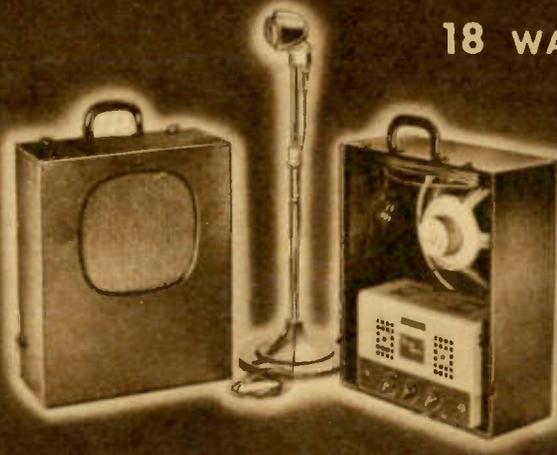
SINGLE CASE — COMPACT

DUAL SPEAKERS — POWERFUL

8 WATTS



18 WATTS



- A Dependable Low-Power Dual Section Portable System
- Complete With 8-Watt Amplifier Removable From Case
- Easy to Carry—Professional Appearance—New Low Cost

More portable system for your p.a. dollar than has ever been offered before. Just compare with any other model available today and see for yourself. Features the new Lafayette 8-watt amplifier which can be removed from the dual carrying case as a complete self-contained unit. Amplifier has wide range bass-treble tone control to compensate for all acoustic conditions. Built to following specifications: Normal power output 8 watts; one microphone and one phono record player input; microphone channel gain 117 db; frequency response 40 to 9,000 c.p.s. — 2 db; less than 5% distortion at normal output; separate output impedances of 8, 15 and 500 ohms; hum level is below normal output — 56 db; tube complement 1-7C7, 1-7B4, 1-6L6G, 1-5Y3G (rectifier); dimensions 9 1/2" H x 6" W x 7" D. Amplifier easily reaches an indoor audience of 500 and covers an outdoor area of 3,000 square feet. Accessory equipment matched

to the amplifier for finest results includes two Lafayette 10-inch PM speakers, each having high permeability magnets, one piece seamless cones, 1" diam. voice coil with 8 ohms impedance. To complete this portable system Lafayette supplies the streamlined Turner 22X crystal microphone having —52 db output, an impregnated crystal, built-in wind gag and a 7-foot cable with end connector. The mike is mounted on a smoothly adjustable stand which extends from 35 to 68 inches and has sure-grip automatic friction clutch action. Durable carrying case to house speakers and amplifier described on page 28. A complete and efficient portable p.a. system at economic cost!

MODEL 704DP—Complete portable system described above, including plugs, instructions and 50-foot speaker connection cable. Code FAKIR.

Shpg. wt. 46 lbs.

\$65.50

SINGLE SPEAKER CARRYING CASE

Here is an outstanding buy in carrying cases to fill your portable amplifier system needs. Lightweight, yet sturdy, this carrying case will accommodate an amplifier system using a 10-inch or 12" speaker. Constructed entirely of wood and covered with durable black cambric. Protective wire mesh behind grille cloth prevents damage to speaker cones. Has leather covered steel carrying handle. Two snap-lock fasteners on top of case and one on bottom of each side insure rigidity when unit is closed. Ample shelf space permits mounting of amplifier at bottom of case. Four metal supports prevent damage from rough handling. Two metal brackets hold long speaker cable. 18 3/4" high x 15" wide x 9 1/4" deep. 8 1/2 lbs.

K19445—

Your Cost

\$9.95

Dual Speaker Case—similar to above. 11" D x 12" W x 17 1/2" H. K19454

- The Country's Finest Medium Power Dual Speaker Portable System
- Available With Built-In Phono Record Player
- Ideal For All Average Portable P.A. Requirements

The most popular sized amplifier in a new dual speaker carrying case (described on page 28). Nucleus of this fine portable system is the Model 718 18-watt Lafayette amplifier which is entirely removable from the dual section carrying case, completely described on page 28. The amplifier was built to the following exacting specifications: Normal power output 18 watts; separate microphone and phono inputs and controls; bass-treble acoustic tone control; microphone channel gain 120 db; phono channel gain 75 db; overall frequency response 50 to 10,000 c.p.s. — 2 db; less than 5% distortion at normal output; five output impedances to match any setup 2, 4, 8, 15 and 500 ohms; hum level below normal output — 55 db; tube complement 1-7C7, 1-7F7, 2-6L6G, 1-5Y3G (rectifier); dimensions are 12" high, 7" wide, 7 3/4" deep. Coverage is for an indoor audience of 1,500 people or 5,000 square feet outdoors.

PM speakers have 1" diam. voice coils with 6-8 ohms impedance. Normal wattage of each speaker is 9 watts. A Turner 8X crystal mike is supplied and has —55 db output; 7-ft. cable and connector are attached. High quality mike stand is adjustable from 35 to 68 inches. A medium power portable system built in the traditional Lafayette manner—you get more service, more performance than is available anywhere for this low cost.

MODEL 707P—Complete system described above with instructions, plugs, and 50-foot speaker cable. Less phono. Code FLESH.

Shpg. wt. 62 lbs.

Your Cost

\$78.45

MODEL 709PP—Same as above but with built-in record player. Code FORCE.

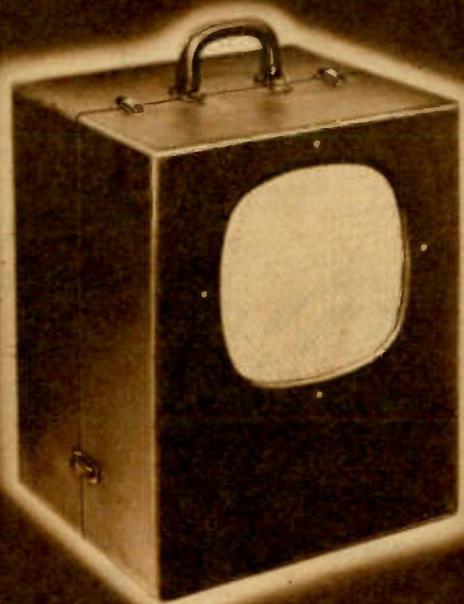
Shpg. wt. 67 lbs.

\$91.30

Lafayette High Power Portables • Simple to Set Up • Easy to Operate

UNEXCELLED REPRODUCTION

25 WATTS



STURDY AND DEPENDABLE

35 WATTS



- A Low Cost High Power Portable Lafayette Amplifier
- Dual Speaker System—Excellent Unit For Traveling Orchestras
- Available With Built-In Record Player For Real Versatility

CARRYING CASE FEATURES

The portable systems illustrated on this page utilize a sturdy two section combination carrying case. Construction is all wood with a durable block cambric covering. Internally re-enforced on speaker ends with plywood. Case opens into two halves, each serving as a separate baffle. The grille-cloths are well designed and enhance the general appearance of the case. Protective wire mesh behind the cloth prevents damage to speaker cones. Two leather-covered steel carrying handles combine as one when entire unit is locked. Two metal snap-lock fasteners are on top of case, and an extra fastener on the side insures rigidity when case is completely locked. Four metal supports on bottom of each section prevent damage from rough handling. Two handy metal brackets above the speaker area permit winding extra-long speaker cables.

ohms 1" diam. voice coils; one Turner 22X crystal mike having -52 db output, complete with 7 ft. cable and connector; a heavy-gauge triple-chrome plated adjustable mike stand which has friction clutch locking action and 10-inch diam. crackle finished base; and 100 feet of speaker cable. Available in two models, with or without built-in phono record player.

MODEL 714P—Portable system complete, less phono record player. Code FATAL. Shpg. wt. 73 lbs. **\$99.45**
Your Cost.....

MODEL 716PP—Same as above with built-in record player. Code FAUST. Shpg. wt. 76 lbs. **\$110.20**
Your Cost.....

\$11.45
Your Cost.....

- Powerful Dual Speaker Portable P.A. System
- 35-Watt Amplifier Removable From Case
- Inputs For Two Microphones and One Phono Record Player

Incorporating one of Lafayette's newest and finest 35-watt amplifiers, this splendid portable system represents one of the greatest single-case dual-speaker portable p.a. systems on the market. Just look at the amplifier's technical specifications: 35-watts normal power output; 2 separate microphone and phono inputs; separate bass and treble tone controls; 125 db microphone channel gain; 79 db phono channel gain; less than 5% distortion at normal output; separate 2, 4, 8, 15, and 500 ohm output impedances; hum level below normal output -55 db; tube complement 4-7C7, 1-7N7, 2-6L6G, 1-5U4G (rectifier); overall dimensions 15 1/4" high, 8 1/2" wide, 8" deep. This amplifier will accommodate an indoor audience of 4,000 people and will cover an outdoor area of 30,000 square feet. Supplied with

this extra power amplifier are two speakers, a dual carrying case, Turner crystal microphone, adjustable mike stand, 100 feet of speaker cable, all necessary plugs and full instructions for connection and operation. The 12-inch Jensen speakers are highly efficient; designed for faithful voice reproduction without sacrificing bass response. Turner crystal mike has 7-foot cable with end connector and is conservatively rated to give -55 db output. Adjustable stand can extend from 35 to 68 inches and has automatic friction clutch with firm locking action. A compact extra-power portable at modest cost.

MODEL 722P—35-Watt Portable System complete with tubes. Code FAVOR. Shpg. wt. 73 lbs. **\$112.25**
Your Cost.....

This 25-watt complete portable system surpasses anything offered to date. Lafayette portables have enjoyed wide acclaim by orchestra leaders, traveling shows, demonstrators, etc. Built around the Model 726 amplifier which gives you: 25 watt's normal power output; two separate microphone and one phono input; bass-treble tone control; 125 db microphone channel gain; 80 db phono channel gain; 50 to 10,000 c.p.s. frequency response ± 2 db; less than 5% distortion at normal output; output impedances of 2, 4, 8, 15, and 500 ohms; -57 db hum level below normal output; tube lineup 2-7B4, 1-7N7, 2-6L6G, 1-5U4G (rectifier). Amplifier size 15" high, 8 1/4" wide, 8 1/2" deep. To form a well-integrated portable unit, Lafayette supplies the following matched accessories: Two 12" Clnadograph PM speakers using 6-8



Lafayette 12-WATT PHONO EXPANDER AMPLIFIER

- Exceptionally Fine Tone Quality and Volume
- "Beam Power" Output—Full Range Tone Control

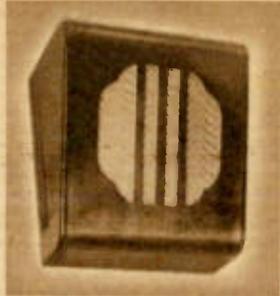
Lafayette engineers have developed this special expander amplifier with the primary purpose of getting the best possible reproduction from your fine recordings. With a "clean" power output of 12 watts plus volume expansion, record reproduction assumes an amazingly life-like quality. This is due to the fact that cutting of the original record includes "compression" of certain frequencies; this means that when the dynamic range of the selection exceeds a certain point, beyond the normal width of the record groove, a "compressor" circuit comes into play to keep the groove within normal confines. When the recording is played back through this Lafayette expander amplifier, the "expander" circuit automatically replaces the "compressed" frequencies and the reproduction duplicates the original sound in all its dynamic and tonal brilliance. The amplifier incorporates the most modern circuit design features. A special tone control permits the operator to compensate for acoustic conditions peculiar to individual installations. No power loss or distortion is entailed in its operation. Two separate controls are used to accomplish volume expansion and volume level. Other circuit features include in-

verse feedback for flat overall response and five output impedances for connecting various types of speakers. A push-pull "beam power" output stage insures high power with minimum distortion. MODEL 700X—Complete 12-watt phono expander and amplifier, including tubes. Code FAUNA. Shpg. wt. 20 lbs. **Your Cost.....\$44.00**

SPECIFICATIONS

Normal Power Output.....	12 Watts
Phono Input Channel.....	1
Phono Channel Gain.....	78 db
Expansion.....	8 db
Frequency Response: 50 to 10,000 c.p.s. ±1 db.	
Hum Level: —30 db below zero level.	
Distortion At Normal Output: Less than 5%.	
Output Impedances: 2, 4, 8, 15, and 500 ohms.	
Power Requirements: 110-120 V. A.C., 60 cycles, 75 watts.	
Tube Lineup: 1-7Q7, 2-7F7, 2-6V6, 1-5Y3G (rectifier).	
Dimensions: 12" H x 7" W x 7 3/4" D.	

DE-LUXE WALNUT BAFFLE

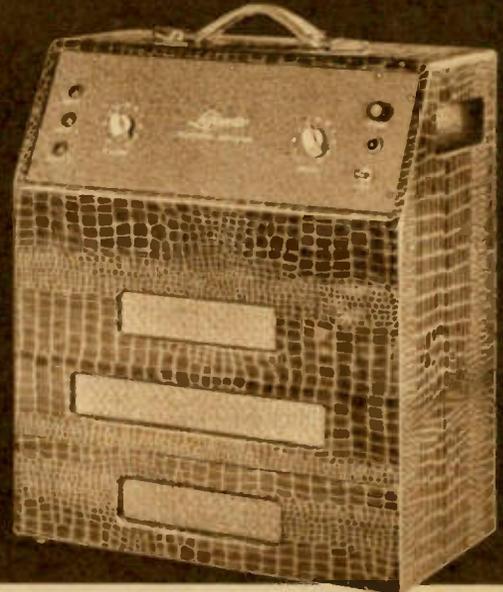


Accommodates 12-inch speaker. Scientifically designed and tilted to provide excellent response. This fine baffle is constructed with beautiful hardwood veneer, hand rubbed to a high-gloss finish. Slotted ports on each side result in excellent bass response without accompanying boominess. Dimensions are 13 3/4" wide, 13 3/4" high, 8 1/2" deep. Wall thickness 1/2". Shipping weight 4 lbs. K20053—**Your Cost.....\$5.49**

NEW! G-E ALNICO 5 12" PM LOUDSPEAKER



A powerful 12-inch permanent magnet loudspeaker designed to provide faithful tone reproduction at high volume levels. Equals or surpasses the performance of electro-dynamic speakers of the same size. Utilizes moulded curved cone and has cover for the magnet assembly. Dustproof and moisture free. All weld construction minimizes distortion at maximum operating level by eliminating vibration and assuring perfect alignment of voice coil and cone assembly. Requires no external field or exciting voltage. Magnet weighs 9 oz. VC impedance 8 ohms. Nominal power output 25 watts. Frequency range 50-9000 cycles. Shipping wt. 15 lbs. K19306—G-E Type 1203C. **Your Cost.....\$12.05**



Lafayette 15-WATT MUSICAL INSTRUMENT PORTABLE AMPLIFIER

- High Fidelity Reproduction of All Musical Instruments
- Three Inputs—For Solo Work or Orchestra

Unsurpassed high-quality reproduction over the entire register for those with discriminating musical taste. This amplifier faithfully reproduces the full range and tone of all musical instruments. Designed for solo work or any combination of instruments and voice. The three separate inputs permit the use of up to three instruments, singly or in combination. And for complete flexibility, one of the inputs may be used with a microphone for vocals while instruments come in at the same time on the remaining channels. You can use the complete rated power of 15 watts with a minimum of distortion. Scientifically designed case acts as a perfect acoustic baffle. Special port at rear insures clear reproduction of all bass and percussive sounds without annoying boominess. Amplifier circuits employ inverse feedback for overall flat response, and two "beam power" tubes operating in push-pull for minimum distortion. A heavy duty 12-inch electro-dynamic speaker is carefully housed within the case for best results. The case is of one-piece construction and has a smart appearance. The control panel is sloped and an attractively designed panel plate enhances the beauty of the entire unit. All operating controls are

on this panel and include such practical features as an easily accessible protective fuse, a pilot light, separate volume and tone controls and an "on-off" switch. MODEL 715—Complete 15-watt portable amplifier, including tubes and case. Code FEVER. Shpg. wt. 28 lbs. **Your Cost.....\$61.00**

SPECIFICATIONS

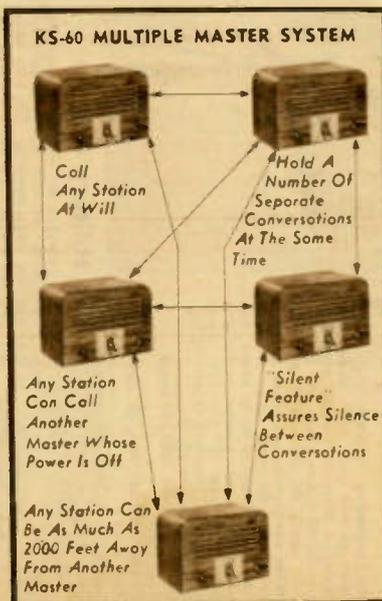
Normal Power Output.....	15 Watts
Input Jacks.....	3
Gain Per Channel.....	115 db
Volume Control.....	1
Tone Control.....	1
Power Consumption.....	95 Watts
Frequency Response: 30 to 12,000 c.p.s.	
Hum Level Below Normal Output: —24 db.	
Distortion At Normal Output: Less than 5%.	
Current Requirements: 110-120 V. A.C., 60 c.p.s.	
Tube Lineup: 2-7F7, 2-6L6GA, 1-5Y3G (rectifier).	
Dimensions: 18" H x 15 1/2" W x 8 1/2" D.	



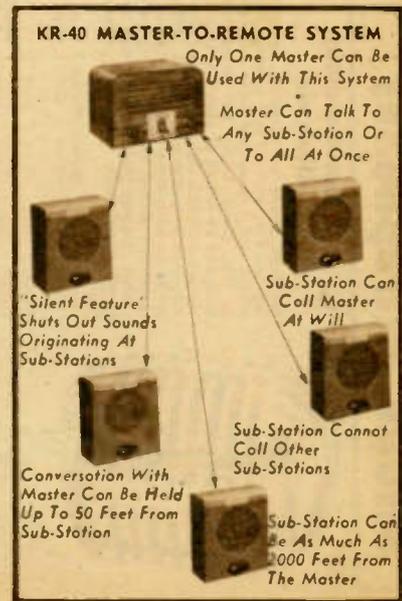
TALK-A-PHONE Multiple Master Intercommunication System

TALK-A-PHONE Master To Remote Intercommunication System

The KS-6010 system is made up exclusively of Master stations. This highly flexible system provides extremely efficient intercommunication for any office or factory. The insignificant cost is immediately compensated for by an effective solution of the ever present telephone switchboard problem of "inside calls." By keeping the switchboard clear of these "inside calls" the more important outside calls are handled for more quickly and easily. Communication inside the building is also speeded up because each user becomes his own operator. With this system, any station can call any other station in the system and in addition a number of two-way conversations can be carried on at one time. You can begin with two masters and add up to a total of 10, in which case up to 5 complete two-way conversations can be maintained simultaneously. The 11-conductor cable is standard for the use of 10 Master stations. If your complete system is to consist of fewer than 10 stations, specify cable with one common conductor and one conductor for each station. Quotations given on request. This system embodies the "Silent Feature" which assures complete silence at every station between conversations. Stations may call one another regardless of whether the station being called has power on or off. The voice volume is adjustable at each station and can be varied from a whisper to a volume which can be heard as far as 25 feet away from the unit. Individual units may be placed as much as 2000 feet apart. KS-6010 systems operate universally on 110-115 volts AC or DC. Tubes consist of: 1-12S17, 1-50L6, 1-35Z5 rectifier. Walnut finish, cabinets measure 9 1/4" wide by 7" high by 6" deep. Shipping weight per unit is 8 lbs. KS-6010—Master Station
Your Cost Each.....**\$31.50**
K16328—11-conductor cable for above, per ft..... 20¢



The KR-4010 master To Remote System consists of one master station controlling up to 10 substations. A perfect intercommunication system at an economical price. Excellent for uses in offices, plants, etc., where the Master is located at the telephone switchboard so that the operator can page any desired person instantly anywhere in the building. The Master station can talk privately to any of the substations if desired, or to all the substations at one time. You can begin your system with one Master station and a single substation and increase this number to as many as ten substations. The Master has complete privacy; substations cannot listen in on the Master. They can hear only when the Master is talking to them. The exclusive TALK-A-PHONE "Silent Feature" shuts out all sounds originating at the substation, yet substations are able to originate calls to the Master at will. Substations operate as far as 3000 feet away from the Master station. Remarkable pickup allows individuals at substations to answer the Master when called without leaving their work location even though they may be up to 50 feet away from the substation itself. The volume level is controlled from the Master station. KR-4010 systems operate from any 110-115 volt line, AC or DC. Tube complement of Master consists of one 12S17, one 50L6, and one 35Z5 rectifier. One three-conductor cable is required for connection between the Master and each substation. The Master station walnut finish cabinet measures 7" x 9 1/2" x 6". Substation housing is all-metal, wrinkle finish and measures 6 1/4" x 5 1/4" x 3 1/2". KR-4010—Master Station.....**\$29.95**
Shpg. wt. 8 lbs. Your Cost.....
RU-4335—Substation. Shpg. wt. 4 lbs.**\$8.25**
Your Cost Each.....
K16089—3-conductor cable for above. Per ft..... 4¢
Per 100 ft.....**\$3.65**



SHURE microphones



Super-Cardioid Dynamic

For high-quality broadcasting, recording and P.A. work. 14 to 1 front-to-rear pickup ratio. Unwanted noise reduced by 73%. Swivel allows 90° tilt so that mike can be aimed at source of sound. Moving-coil and high flux magnet provide smooth response from 40 to 10,000 cycles. Quiet outdoor operation. Spring-suspended pickup unit floated in live rubber. Models 556B, 556C include internal transformer. Fits 3/4"-27 stand. 4 1/2 lbs.

Stock No.	Shure Model	Imped. (Ohms)	Output (db)	Your Cost
K13568	556A	35-50	56.1*	\$48.22 Each
K13564	556B	150-250	56.8*	
K13563	556C	35,000	55**	

*Below 1 mw. for 10 bar signal.
**Below 1 volt per bar.

Super-Cardioid Unidyne

Specified by outstanding acoustic engineers for nationally-known artists and important events. Reduces unwanted noise by 73%. Perfect for high-quality p.a., broadcasting and all types of recording. 14 to 1 front-to-rear pickup ratio. Gives freedom of movement to performers. Response 40 to 10,000 cycles. Models 55B, 55C include internal transformer with 25-ft. shielded cable, mike plug. 3/4"-27 thd. for floor or desk stand mtg. 3/4" x 3/4" x 3 1/2" case. Shpg. wt. 4 1/2 lbs.

Stock No.	Shure Model	Imped. (Ohms)	Output (db)	Your Cost
K13672	55A	35-50	56.1*	\$30.25
K13664	55B	150-250	56.8*	31.87
K13688	55C	35,000	55**	31.87

*Below 1 mw for 10 bar signal.
**Below 1 volt per bar.



Cardioid Crystal

A true uni-directional mike—sensitive at the front, dead at the rear. Solves feedback, room and background noise and reverberation problems. Ideal for use in theatres, night clubs, restaurants, churches, etc. Case pivoted at rear and may be pointed in direction of desired sound, or pointed upwards for non-directional horizontal plane pickup. Frequency response 40 to 10,000 cycles. Output level 63 db below 1 volt per bar. Has especially moisture-proofed Graphoil Bimorph Crystal for long life. Built-in cable connector. Standard 3/4"-27 thread. Case dimensions 3/4" diam. x 3 1/2" deep. Shipping weight 1 1/2 lbs.

K13679—Model 730B. **\$21.87**
Your Cost.....



Stratoliner Dynamic

A beautiful microphone and an excellent piece of equipment. Careful engineering has given it response characteristics for high quality reproduction. Its ruggedness qualifies it for heavy duty work on police transmitters, at airports, and in office and industrial paging systems. Practically unaffected by heat or humidity. Moving conductor system. Die cast case, swivel head, built-in cable connector. High impedance. Output level is 67 db below 1 volt per bar. Standard 3/4"-27 thread for mounting. With 25-ft. single conductor shielded cable. Diam. 2 1/2", length 4 7/8". Shpg. wt. 2 3/4 lbs.

K13635—Model 508C, high imp. **\$18.99**
Your Cost.....

Stratoliner Crystal

An expensive looking high-quality mike at low cost. High impedance. Genuine Bimorph crystal. High output—53 db below 1 volt per bar with 7-ft. cable, 56 db with 25-ft. cable. Wide range response gives good reproduction of either voice or music. Semi-directional in horiz. plane, non-directional when used vertically. Swivel provides 90° tilt. 2 1/2" diam. x 4 7/8" long. Standard thread 3/4"-27. Shipping weight 2 1/2 lbs.

K13633—Model 708A, 7' cable. **\$12.55**
Your Cost.....
K13634—Model 708A, 25' cable. **\$13.49**
Your Cost.....



Crystal Microphone

Good-quality performance at low cost. Ideal for voice and music reproduction, P.A. and call systems, amateur use, etc. Good response, free from peaks, semi-dir. pickup. Moisture-proofed Bimorph crystal, mechanically isolated. Shielded cable with spring connector. Output level, 53 db below 1 volt per bar. Case is a heavy die casting, finished in iridescent gray. Diam. 2 1/4". Standard 3/4"-27 thd. Shipping weight 1 1/4 lbs.

K13630—Model 707A, 7' cable. **\$7.94**
Your Cost.....
K13631—Model 707A, 25' cable. **\$9.00**
Your Cost.....

Military Carbon

Ideal response for situations where orders, directions and reports require immediate understanding. Fits into palm of hand. Heavy duty push-to-talk switch. Hook for suspension, bracket for wall mtg. Output 32 db below 1 volt for 10 bar signal. Model 1018 has 2-wire relay switch normally open. Model 1028 has combined relay and mike switch. 4-ft. 4-cond. cable. Wt. 1 lb.

Stock No.	SHURE Model	Your Cost
K13655	1018	\$16.08
K13656	1028	

Lapel Microphone

Permits user to move freely. Designed for public-address installations, broadcasting from portables, and wherever clear, intelligible speech reproduction is of primary importance. Pressure-actuated diaphragm-type crystal mike. Graphoil (high capacity) Bimorph moisture-sealed unit. Frequency response flat from 40 to 6000 c.p.s. Free from peaks. Provided with 25-foot shielded rubber-jacketed cable. Handy lapel clip. Only 1 1/8" diameter. Shipping weight 1 lb.

K13638—Model 76B. **\$15.88**
Your Cost.....



Modern Desk Stand

Beautiful, streamlined desk mount with stable support at correct height. Fits SHURE connector-type microphones, canceling plug in base. Removable button at front for installation of 3/4" standard bushing switch or volume control. Iridescent gray finish. Base: 2 1/2" high, 5" wide, 7 1/2" long. Shipping weight 1 1/2 lbs.

K13602—Model 536A. **\$2.56**
Your Cost.....

Cable Type Transformer



A high quality cable-type transformer. Matches 35 to 50 and 150 to 250 ohm microphones to high impedance amplifier input. Compact and sturdy. Case diameter 1 5/8", length 2 1/4". 7-foot cable. Shpg. wt. 1 1/2 lbs.

K13673—Model A86A. **\$7.70**
Your Cost.....

Microphone Switches

"On-Off" switches—3 models: Model A83A (A)—Attachable to any cable-conn. type SHURE mike. Bakelite knob. K13594—Your Cost.....\$2.56
Model A84A (B)—Momentary "On-Off" switch. Press-to-talk bakelite dfr. K13651—Your Cost.....\$2.88
Model A85B (C)—Momentary relay-type switch. Norm. open switch for use with 2-cond. shielded cable and with crystal and high imp. dyn. mikes only. Chrome fin. 3/4 lb.

K13652—Your Cost..... **\$4.82**



ASTATIC microphones



The CONNEAUT

Streamlined attractiveness, plus grand performance! Semi-directional crystal microphone with relatively high output and wide frequency range makes it ideal for P.A. systems in night clubs, dance halls, public auditoriums, and similar applications. Unmatched for paging systems in offices, hotels, and factories, for amateur rigs and general communication uses. Freq. response from 30 to 10,000 c.p.s. High Impedance. "Mike" head may be tilted on swivel mounting, for a semi-directional pickup in horizontal position, or non-directional in vertical position. Cartridge incorporates "Ebonite" treated Bimorph crystal. Corrosion-proof protected diaphragm. Floating cartridge reduces "vibrophonics." -52 db output level. Chrome and blond plastic. 25-ft. cable. Model 600-6 1/4" x 5 1/2" 3 lbs. K13657-
Your Cost..... **\$17.64**

Model 600-S - Has On-Off switch. 6 1/4" h x 5 1/2" d. 2 1/2 lbs. K13662-
Your Cost..... **\$19.23**

The GLOBE

Engineered to render highest degree of service in a wide field of applications—for high fidelity studio work, quality home recordings, true-tone paging systems and many similar uses. Non-directional; practical for close speaking or distant pickup. Eliminates turbulence of the diaphragm which in turn prevents acoustic overload. Frequency response from 30 to 10,000 c.p.s. Utilizes two dual-diaphragm crystal cartridges with four diaphragms. Furnished with 25-foot cable length. Tilting head and self-locking hinge conceals, shields and protects lead wires. An output level of -56 db below 1 volt/bar makes these models adaptable for use with conventional high gain amplifiers. Both models are high impedance. Model 820—Overall height 10 1/4", depth 4 1/2". Shpg. wt. 3 1/4 lbs. K13666-
Your Cost..... **\$23.52**

Model 820-S - Astatic type S On-Off switch. Height 9 3/4", depth 4 1/2". Wt. 3 1/2 lbs. K13667-Your Cost..... **\$25.11**



WR-Series Microphones

Multi-unit crystal microphones for studio use and P.A. Installation as well as high quality recording purposes. Built with dual-diaphragm crystal cartridges in multi-unit arrangements. Model WR-20 has 2 crystal units, Model WR-40 has 4 crystal units. Overall frequency response is exceptionally smooth from 30 to 10,000 c.p.s. Output level is -56 db below 1 volt/bar. Interior assembly design prevents any possibility of acoustic overloading. Supplied with 25-foot cable. Model WR-40 permits use of extra long cable. Both have tilting head and self-locking adjustment. High imped. Chrome finish. 6 1/4" h x 2 3/8" d. 3 lbs. Model WR-20-2-cartridge. K13790-
Your Cost..... **\$18.99**

Model WR-40-4-cartridge. K13796-
Your Cost..... **\$25.43**



The DYNAMIC

Rugged construction and excellent performance under the most difficult conditions. Incorporates advanced ideas in operation and design. Highly favored for general use where temperatures vary or high relative humidity is encountered. Semi-directional. Unilary moving coil system and carefully proportioned acoustic circuit to highly damp the natural resonance of the moving system and provide flat response from 50 to 7000 cycles. Unique tilting head permits non-directional as well as semi-directional usage; also a sure method of effectively controlling acoustic feedback. High impedance. -55 db output level (below 1 volt/bar). 6 3/8" overall height, 4 3/8" deep. Opalescent gray finish, bright chrome grille. Supplied with 15-ft. cable. Wt. 3 lbs. K13671—Model DN-HZ
Your Cost..... **\$14.46**



D-104 Series Microphones

The first practical crystal microphone ever developed. Preferred and used by a host of veteran amateurs. Changed little over the years, a tribute to its practicability and faithful performance. High impedance. High output level of -48 db below 1 volt/bar. Possesses definitely reduced RF feedback tendencies. Yoke-driven, bridge-mounted Graphoil crystal element with improved shock-proof mounting and barometric compensation. Model D-104-7' cable. 7' cable, 2 lbs. K13363—Your Cost **\$14.46**

Model GD-104 - With Grip-To-Talk desk stand. 8' cable, 4 lbs. K13358-
Your Cost..... **\$17.70**

T-3 Series Microphones

For studio hookups, amateur rigs, inter-communicating systems, P.A. installations and recording purposes. Ideal freq. response (30 to 10,000 c.p.s.) appeals to both professionals and amateurs. Tilting head, with self-locking hinge provides semi-directional or non-directional pickup, and convenient control of acoustic feedback. High imped. Output -52 db below 1 volt/bar. Highly polished all-chrome finish. Model T-3-25-ft. cable. Shpg. wt. 2 lbs. K13670—Your Cost..... **\$16.08**

Model GT-3—Supplied with Grip-To-Talk desk stand. 8-foot cable. Shpg. wt. 4 lbs. K13525—Your Cost..... **\$19.32**



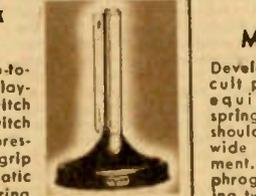
Model N Microphones

Exceptionally smooth response. Especially suitable for P.A. installations. In wide or voice range models. N-30 output level -52 db below one volt per bar, N-80 -49 db. Both cover 30-10,000 c.p.s., N-80 rising from 1000 to 3000 c.p.s. Both are high imped. Overall height 5 1/2", depth 3 1/2". Gray finish, bright chrome grille. 15-foot cable. 2 lbs. Stock No. Model No. Each
K13401 N-30 }
K13413 N-80 }

\$11.26

Grip-To-Talk Stand

Highly popular grip-to-talk model. Uses relay-operating ON-OFF switch for remote control. Switch operates by slight pressure of fingers upon grip bar. Equipped with Astatic socket connector, spring cable protector, 8-ft. two-conductor, shielded rubber covered cable, and terminal strip under felt-covered base plate. 8 1/4" high. Chrome and gray wrinkle finish. 3 lbs. K13373—Model G Stand
Your Cost..... **\$6.44**



Lapel Microphone

Developed to meet difficult pickup conditions, equipped with lapel spring clip, and over-shoulder card to permit wide latitude of movement. Utilizes dual-diaphragm principle employing two small annual ring diaphragms driving the crystal element through dual yokes. -62 db output (below 1 volt/bar). 30 to 10,000 c.p.s. response. High impedance. Supplied with 25-ft cable. 1 1/2" high overall, 3/4" deep. Shpg. wt. 1 1/2 lbs. K13429—Model L-1
\$16.08



Reliable Equipment At Reasonable Prices

TURNER microphones



U95 Dynamic

Whatever impedance you need—50 ohms, 200 ohms, 500 ohms or high impedance, you can get it quickly and easily with a turn of the switch on the Turner U95. One microphone does the job of four units. Handles toughest jobs. Withstands climate and temperature changes. Fits any standard stand. Adjustable saddle permits semi- or non-directional operation. Won't blast from close speaking. Specified by broadcast studios, large city police departments, and internationally famous manufacturers for crisp, clear results. Range 40-9000 cycles. Level -52 db at high impedance. Complete with 20 ft. removable cable set and diagrams. Shpg. wt. 6 lbs.
K13455—Model U95 \$23.52
 Your Cost.....

22X Crystal

22X Crystal gives clear reproduction. Smartly engineered design cuts feedback to minimum. 90 degree fitting head and removable 7-foot cable set. The built-in wind-gag permits outdoor operation of the 22X. Crystal impregnated against moisture in mechanical-shock proof mounting. Automatic barometric compensator protects against any variation in humidity. Has high output level of -52 db. High impedance. Has a frequency range from 30 to 7000 cycles per second. Chrome type finish. Supplied complete with cable set and diagrams. Shipping weight 3 lbs.
K13445—Model 22X \$11.76
 Your Cost.....



BX Crystal

An ideal semi-directional crystal microphone. Designed for recording, public address systems, industrial paging systems, and all-around amateur work. Smartly engineered for minimum feedback. Has high output level of -52 db. Level frequency response over range from 50 to 6000 cycles per second. High impedance. Fits any stand with standard thread. Highly polished streamlined construction. Will withstand rugged use for long period of time. Supplied complete with 7-foot connection cable. Shipping weight 2 lbs.
K13446—Model BX \$6.38
 Your Cost.....

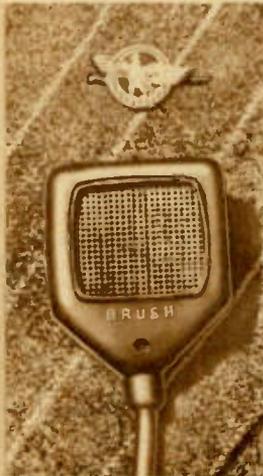
Musician's Mike
 Model MM gives immense volume from any stringed instrument without feedback. New circuit design incorporates an ALNICO 5 magnet, which permits greater gain with excellent response. Installed in a few seconds without tools or adhesives. Works direct to grid. Level response ± 2 db from 30 to 10,000 cycles per second. Optional model has variable volume control built in. Complete with cable. Model MM, less volume control.
K13543—Shpg wt. 2 lbs. \$9.26
 Your Cost.....
 Model MM, with built-in vol. cont.
K13541—Wt. 2 lbs. \$10.58
 Your Cost.....



BRUSH microphones

Lapel Microphone

A superior lapel microphone, developed especially for public speaking use. It may be conveniently pinned to coat lapel or clothing, thus allowing the speaker to move about the platform naturally with both hands free. SOUND-CELL construction provides good pickup from all directions. Special internal cushioning and protective soft rubber jacket insure quiet operation and absence of handling noise. Can also be used as a hand microphone. Because of its small size (1 1/2" x 2 1/4") it can be held comfortably in the palm of the hand. It is excellent as a single instrument pickup in an orchestra (easily attached directly to the music stand). High impedance. Output level 68 db below 1 volt/bar. Virtually flat frequency response up to 10,000 c.p.s. (slightly rising from 1100 to 10,000 c.p.s.). 25' cable supplied. Shipping weight 2 lbs.
K13872—Model BL-1 \$14.70
 Your Cost.....



Vibromike

A miniature contact-type microphone designed especially for use with stringed musical instruments. Used widely for special orchestral effects. Also suitable for the detection of mechanical vibrations. The crystal generating element is hermetically sealed in a black rubber covered case making it rugged and moisture proof. The VIBROMIKE is exceptionally small, 1 1/8" x 3/4" x 1/4". Any amplifier having a high impedance input is satisfactory for use with this mike. High sensitivity; output voltages range from .05 volt to .1 volt or higher on stringed instruments. Recommended load resistance, 5 megohms. Wide range frequency response from 30 to 6,000 c.p.s. Provided with spring-type clamp to facilitate mounting on the bridge of a stringed instrument or directly under the tail-piece. 25' cable supplied. Shpg. wt. 2 lbs.
K13647—Model VM-1 \$10.29
 Your Cost.....

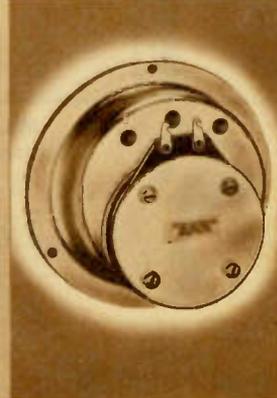


Crystal Microphone

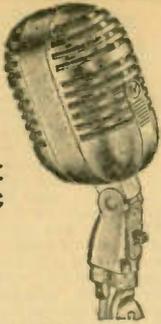
A high quality non-directional microphone incorporating the hermetically sealed Acoustical with sintered bronze damping disc. Unexcelled response from 50 to 6000 c.p.s. Vibration, shock or low frequency wind noise do not affect the performance of this microphone. The practical buy for home recording, public address systems, ham shacks, monitoring and institutional and industrial applications. Recommended load resistance, 5 megohms. Output level 50 db below 1 volt per bar. Microphone supplied complete with 8-foot shielded cable, plug, and desk stand with removable base. Shipping weight 3/4 lbs.
K13601—Model BA-106 \$9.85
 Your Cost.....

Microphone-Speaker

A microphone-speaker unit particularly adapted for use in inter-communication systems where one unit serves as microphone and speaker. As a mike it has good response from 200 to 5000 cycles and an output level of 35 db below 1 volt/bar. As a speaker it covers from 1500 to 5000 cycles in range and its sensitivity is approx. 5 volts at conversation level. Power requirement for each unit is approx. .06 watts. Impedance is almost entirely capacitive resistance, therefore a load resistance should be provided for tubes having critical load impedance such as pentodes and beam power tubes. 3 3/4" diam. x 1 1/4" deep overall. Case finished in cadmium. Shipping weight 12 oz.
K13604—Model SM-37 \$4.85
 Your Cost.....



ELECTRO-VOICE microphones



**CARDYNE
DYNAMIC**



**CARDAX
CRYSTAL**

Electro-Voice Cardioid Microphones

True unidirectional performance with smooth, wide-range response, high output, and other features. Through the E-V Mechanophase principle, the new Cardyne and Cardax microphones eliminate interference from background noise and reflected sound—stop feedback—permit more loudspeaker volume—simplify sound installations and assure more accurate pick-up and reproduction of spoken word and music indoors or outdoors. Has a wide-angle front pick-up over a wide frequency range. Dead at rear. Attractive, trim modern designs, finished in rich satin chromium. Tiltable heads. With or without "On-Off" switch. Cable connector. $\frac{3}{8}$ "-27 thread. With 20 ft. cable.

Cardyne Dynamic

E-V Model 731—Has new Acoustalloy diaphragm. Substantially flat response 30-12,000 c.p.s. Output -53 db. Voltage at speech pressure .0224. Wt. 3 lbs.

K13701—High Impedance.

K13702—50 Ohms.

Your Cost Each **\$44.10**

E-V Model 726—Same outstanding features as the 731, with a frequency response 40-10,000 c.p.s. Has special control on back for flat frequency response. Wt. 3 lbs.

K13703—High Impedance.

K13704—50 Ohms.

Your Cost Each **\$32.34**

Cardax Crystal

E-V Model 950—Cardioid microphone with Dual Frequency Response. Selector switch for high fidelity sound pick-up or extra crispness of speech. Output -57 db. for wide-range high fidelity (speech pressure voltage .014) and -48 db. for wide-range rising characteristic (speech pressure voltage .033). Rugged, portable. High capacity moisture-sealed crystal. 20 ft. cable. Wt. 2 lbs.

K13622—E-V Model 950
Your Cost Each **\$21.76**

**610
Dynamic
910
Crystal**



**600
Dynamic
210
Carbon**



Model 610—New, smart, modern design, fine performance at a low price, dependable dynamic. New Acoustalloy diaphragm. Frequency response substantially flat 50-8000 c.p.s., for music and speech. Output -53 db. Voltage at normal speech pressure .0224 volt. Upright head case at 15° fixed tilt. Cable connector. $\frac{3}{8}$ "-27 thread. With 20 ft. shielded cable. Satin chromium finish. Shpg. wt. 2 lbs.

K13705—High Impedance.

K13706—50 Ohms.

Each, with 20 ft. cable **\$16.17**

Model 910—Same design and features of Model 610 but with a high capacity, moisture sealed crystal. Output -48 db. Voltage developed by normal speech .0394. Shpg. wt. 2 lbs.

K13707—Each, with 8 ft. cable **\$11.47**

K13708—Each, with 20 ft. cable **\$12.35**

Hand-Held Dynamic and Carbon Microphones

Model 600-D—Compact, hand-held dynamic. Response flat 100-6000 c.p.s. Output -55 db. Pressure voltage .177 volts. Black phenolic case with panel mounting bracket. Press to talk switch. Shpg. wt. 1 lb. With 6 ft. cable. Acoustalloy diaphragm.

K13736—High Impedance.

K13709—50 Ohms.

Your Cost Each **\$17.70**

Model 210-S—Single-button carbon hand "Mike." Similar to 600 D. Flat response 100-4000. Output -27 db. Speech pressure at .32 volts. 10-50 ma button current. Wt. 1 lb. 5 ft. cable.

K13710—Your Cost Each **\$11.26**

K13711—With switch lock **\$12.23**

E-V Model 902 "COMET" Crystal

Crystal microphone and stand in one perfectly balanced unit. High impact molded plastic, in deep lustrous gray. Easy to use as hand mike or on desk. Response 70-7000 c.p.s. for voice and music in recording, p.a., paging, etc. Output -47 db. Speech pressure voltage .0394. High impedance. High capacity moisture-sealed crystal. With 7 $\frac{1}{2}$ ft. shielded cable. Shpg. wt. 1 $\frac{1}{2}$ lb.

K13623—
Your Cost Each **\$7.79**



**Model
640**



**Model
630**



**Model
605**

Widely Used Electro-Voice Dynamics

Model 640—High quality reproduction of voice and music. Response flat from 35-10,000 c.p.s. Output -53 db. Speech pressure voltage .0224. Acoustalloy diaphragm. Cradle mounting gives 135° tilt. Cable connector. "On-Off" switch. $\frac{3}{8}$ "-27 thread. Satin chrome finish with 20 ft. cable. Shpg. wt. 2 $\frac{1}{2}$ lbs.

K13712—High Impedance.

K13713—50 Ohms.

Your Cost Each **\$20.87**

Model 630—High fidelity dynamic. Exceptionally smooth response 40-9000 c.p.s. for voice and music. Output -53 db. Voltage at speech pressure .0224 volts. New Acoustalloy diaphragm. Head tilt to 90° arc for directional pick-up. Cable connector. "On-Off" switch. $\frac{3}{8}$ "-27 thread. Satin chrome finish with 20 ft. cable. Shpg. wt. 1 lb.

K13714—50 Ohms.

Your Cost Each **\$19.32**

Model 605—Durable low-cost dynamic. Substantially flat response 50-7500 c.p.s. Output -57 db. Voltage at normal speech pressure .014 volts. Acoustalloy diaphragm. Head at 22° fixed tilt. Cable connector. $\frac{3}{8}$ "-27 thread. Satin chromium finish. Shpg. wt. 1 lb.

K13715—50 Ohms.

Your Cost Each—With 20 ft. cable **\$13.82**

Electro-Voice Velocity Microphones

*Favorites of well-known
orchestras and sound
engineers.*



V-2

V-3



V-1

Models V-3, 2, and 1 give high fidelity, bi-directional pick-up and reproduction of music and voice for p.a.'s, broadcasting and recording. Equal front and back pick-up. Zero pick-up at sides, top and bottom. Proper tilting and placement, lower feedback, random noise, non-reflection housing. Internal shock absorber, sturdy, 1 piece frame and mounting structure. Locking cradle mounting. Cable connector. "On-Off" switch. 20 ft. cable, $\frac{3}{8}$ "-27 thread. These models are ideal for anyone engaged in rental of public address systems. They permit the use of short or long cables without difficulty, or loss of efficiency. Because of their superb reproduction these Electro-Voice microphones are the favorites of well-known bandmen and vocalists. Ribbon is of selected pure aluminum and has long life and fine quality.

Model V-3—All popular impedances in one "Mike." Vari-Z selector on back gives ready choice of 50, 250, 500 ohms, or Hi-Z (35,000 ohms). Substantially flat response 40-10,000 c.p.s. Output -58 db. Bronze gunmetal finish. Shpg. wt. 3 lbs.

K13716—Your Cost Each **\$32.19**

Model V-2—Similar to V-3, but without Vari-Z selector. Choice of single standard impedance. A superb instrument. Frequency response 40-10,000 c.p.s. Output -62 db. Shpg. wt. 3 lbs.

K13717—High Impedance.

K13718—50 Ohms.

Your Cost Each **\$24.14**

Model V-1—Same high quality but smaller size. Freq. response flat 40-9000 c.p.s. Output -65 db. Chrome finish. Shpg. wt. 2 $\frac{1}{2}$ lbs.

K13719—High Impedance

K13720—50 Ohms.

Your Cost Each **\$19.32**

Carbon Microphones



Model 50-C—Efficient double-button mike, for ring-spring mounting. High output. Clear reproduction. 5-20 m.a. button current. Metal case. Chrome finish. Screw terminals. 3"x1 $\frac{1}{8}$ ". Wt. 1 lb.

K13720—(50-CC) **\$2.88**

K13721—(50-CS). Single button **\$2.88**

Model 75—Slick double button microphone, with internal shock absorber. High output. 5-20 m.a. button current. Gunmetal metal case. $\frac{3}{8}$ "-27 thread, for use with handle or stand. Size 2 $\frac{1}{4}$ "x1 $\frac{1}{8}$ "x4" including stud. With 5 ft. cable. Shpg. wt. 1 lb.

K13724—(75) Your Cost **\$5.14**

K13725—(75-S) Single-button. **\$4.17**



Model 423 Utility Desk Stand

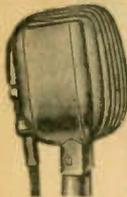
Modern, sturdy, round die cast base. Rests firmly. Satin chromium finish. Matching stem riser. Rubber base buttons prevent scratching. $\frac{3}{8}$ "-27 thread. This attractive microphone stand for desk or table use has a die cast base that comes in highest quality pressure cast metal. Base diameter 4 $\frac{3}{4}$ ". Shpg. wt. 1 $\frac{1}{2}$ lb.

K13590—(423-A6) With 6" stem riser

K13726—(423-A3) With 3" stem riser **\$1.91**



AMERICAN microphones



Model D220T Wide Range Dynamic

A wide range high fidelity moving-coil. Output level—55db. microphone. Has two dynamic generators, each with a specific frequency response.

Total bandwidth 25 to above 10,000 cycles per second. When the two dynamic generators are combined a crossover band is produced which gives an average for both generators and eliminates peaks. Thus, the outputs are electrically and acoustically coupled to produce an ideal response. Crossover bandwidth is from 150 to 5000 cycles per second. A three position switch provides three types response, with characteristics as follows: **High:** Slightly rising characteristic. (From 150 to 10,000 c.p.s.) **Full:** For high fidelity requirements where smooth, flat response and broad range are necessary. (30 to above 10,000 c.p.s.) **Low:** For pickup systems requiring embellished lows and good range.

Impedance—38,000 ohms. Dimensions 5 1/2" x 4" x 2" deep. Finish of brushed chrome. Weight 4 lbs.

K13573—D220T (38,000 ohms)
Your Cost **\$41.75**

Low imp. model, balanced lines. 30-50 ohms. Same as D220T.

K13575—D220 (30-50 ohms)
Your Cost **\$38.51**

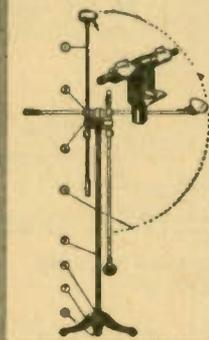
DYNAMIC MICROPHONES



Model D8T Dynamic Microphone

The D8T dynamic microphone has been carefully designed to have a consistent well-balanced response, and embodies all the latest developments in dynamic microphone construction. It is exceptionally rugged and assures the user of trouble-free service over a long period of time where ordinary precautions are taken against damage. The D8T is particularly useful for all types of public address installations. For orchestra pick-up as well as solo work and straight announcing, the D8T performs with satisfaction. The D8T is an attractive, compact microphone, 3 1/4" long and 2" in diameter. A swivel mounting permits either nondirectional or semidirectional pick-up. Average approximate output—57 db. High impedance—38,000 ohms. Comes complete with 12 1/2-foot cable and plug at microphone and 3/8"x27 thread for suspension or stand mounting. Has platinum chrome finish. Shpg. Wt. 1 1/2 lbs.

K13581—38,000 ohms, complete
Your Cost **\$17.64**



Model HB3 Floor Stand

New! Floor stand with many uses! Place mike advantageously for efficient pickup. Excellent for recording and orchestra pickup. Examine these outstanding features:

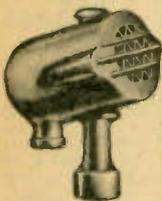
1. Adjustable to 6 feet.
 2. Dual positive lock, leather cushioned.
 3. Angle adjustment; silent, positive, finger-tip control.
 4. Pickup from floor if desired.
 5. Durable steel rod.
 6. Sleeve fit—no thread strain.
 7. Heavy iron base, weight 12 lbs.
 8. Rubber floor grips—shock absorbing.
- Upper rod and fittings finished in polished chrome. Lower rod and angle adjustments finished in satin black. Microphone mounting, standard 3/8"x27 thread. Shpg. weight 19 lbs. **K13475—\$14.40**
Your Cost



Model D9AT Unidirectional Mike

The D9AT dynamic, a pressure-velocity combination microphone, with pick-up from the front only, broad frequency response and high output, plus the usual dynamic microphone qualities of ruggedness, immunity to weather conditions, and circuit adaptability, should fill the majority of requirements. Its wide range response and efficient unidirectional characteristics place this microphone in a high position in comparison with other unidirectional microphones. An extended frequency range to above 10,000 cycles per second. The D9AT is recommended for public address and general sound installations because its energy response field (cardioid of revolution) excludes extraneous pick-up and reduces feedback by two-thirds. May be used for close talking due to the modified velocity section which also reduces wind noises to a minimum. Average output approximately -54 db. Dimensions: 7" high x 2 1/2" wide x 2 1/4" deep. Standard 3/8"-27 thread provided for suspension or stand mounting. Finished in satin chrome. 25-foot shielded rubber-jacketed cable supplied with each microphone. You can get 30 percent more volume on this microphone. High impedance—38,000 ohms. Shpg. weight 4 lbs.

K13571 Complete \$26.46
Your Cost



Model D7T—The "Clipper" Dynamic

A good quality moving-coil dynamic microphone with a semi-communication type response suitable for airplane use, marine, police broadcasting, amateur, public address, and indoor and outdoor installations. Output approx. -56 db. High impedance—38,000 ohms (also 500 or 200 ohms, if requested). The "Clipper" comes equipped with a 12 1/2-foot R/J cable and an Amphenol plug. Finished in chrome. Fits 3/8"-27 threaded stand. Dimensions: Over-all height, 2 1/4"; diameter, 1 1/2". Weighs only 8 1/2 ounces. Shpg. weight 3 lbs.

K13486—38,000 ohms
K13485—500 ohms
Your Cost, Any Type

K13487—200 ohms
\$15.88



Model D4T Moving Coil Dynamic

A quality, low-priced, moving-coil microphone. For general use where clear speech and natural music reproduction is required. Has broad range, from 60 to 7500 cycles per second, and high output of -56 db. While designed for maximum ruggedness, it is of convenient size and reflects beauty in modern lines. The utility value lies not only in the quality and type of response but also in mechanical features, such as light weight (approximately 10 1/4 ounces), a full 180 degree vertical angular setting, and positive friction lock at the swivel. The D4T high impedance is equipped with a single-contact, shielded plug. The 500 and 200 ohm models are equipped with a two-conductor plug and have a balanced line out. All models have a high permeability core transformer enclosed in the case. Shpg. wt. 2 lbs.

K13587—200 ohms, Your Cost, Each \$14.11
K13586—38,000 ohms, Your Cost, Each



Model C6 Crystal Mike

Carefully designed to incorporate the following features: **Extreme Sensitivity:** Crystal driving lever, twice as efficient as previously used, twice voltage output with equal sound pressure. **Broader Response:** Results of new construction include extension of low and high end.

Base End Improved: Naturalness insured by improvement in low frequency response.

Longer Lines: By increasing the voltage output, the cable length may be increased proportionately.

Mechanical Noise Reduced: Mechanical and stand noise is no longer a factor. The C6 method of crystal mounting reduces noises by 12 db.

Less Amplifier and Induced Noise: The high output of this microphone assures a very desirable signal-to-noise ratio.

Swivel Head: All angles for semidirectional and nondirectional pick-up are provided by the 3/8"-27 Standard mounting connector. 7-foot cable and plug at microphone. Polished chrome finish. 3"x2 1/4" diam. Shpg. wt. 1 1/2 lbs.

K13580—Your Cost, Complete \$10.58

CRYSTAL MICROPHONES

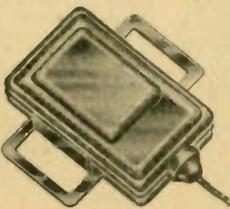


Model CL2 Lapel Mike

Here is a crystal microphone designed specifically for lapel microphone work. Output is equal to that of the larger diaphragm types. Easily concealed—measures only 2 1/4" in diameter and 3/8" in depth. Finished in art metal black. Provided with strong spring clip for attachment. Standard model CL2 microphone comes with twenty-five feet black, cloth-covered shielded cable. Weight of microphone and cable is 6 1/4 ounces. If longer extension is desired, model CL2/35 has 35 foot cable. Shpg. wt. 1 lb.

K13584—CL2, with 25-foot cable. Your Cost \$16.02
K13588—CL2/35, with 35-foot cable. Your Cost \$16.73

K13588—CL2/35, with 35-foot cable
Your Cost



Model HB1 Contact Mike

A masterpiece of compact construction. Model HB1 contact mike is needed wherever versatile microphone operation is required. A light-weight, high output crystal microphone excellent for amplification of stringed musical instruments and detection of heart and chest sounds. Crystal element mechanically protected and sealed inside a moisture and acid resistant plastic covering. Construction materially reduces feedback difficulties. Dimensions: 1 1/4" long x 1" wide x 1/2" deep. Provided complete with metal clip for strap fastening into position and seven feet of small, highly flexible, plastic covered shielded cable. Weighs less than two ounces. Shpg. wt. 1 lb.

K13589—Model HB1. Your Cost, Complete \$14.70

Model RC Crystal Mike



A truly versatile crystal microphone. For home recording or broadcasting purposes. Has high output and good quality. Stationary or portable. The RC crystal microphone is provided with a non-breakable plastic stand, but is constructed for mounting on any stand equipped with a standard 3/8"x27 thread. If desired, it can be removed from the stand. The base is easily removed. A quarter turn releases the bayonet lock at the end of the handle and the two sections are separated. Capable microphone replacement accomplished by releasing the set screw in back of the microphone and pulling gently on the spring cable protector. Flexible cable, which comes with microphone, handle, and stand, is 7 feet long. **K13477—Model RC. Your Cost \$6.41**

microphones, stands and accessories

ELECTRO-VOICE Transformers

Low impedance microphone-to-grid matching transformers. Low distributed capacity windings shielded against inductive hum by a high permeability shield.



Model 500—Universal mounting. Finest silicon core. Tapped primary for single or double button. 3 wire lead input. 36" shielded lead output.

K13731—Your Cost **\$2.56**
Model 502—For 50 and 250 ohm (500 ohms optional) microphones. Broadcast fidelity. 40-20,000 c.p.s. ± 1 db, for speech or music. MC-4 input connector.
K13732—Your Cost **\$7.06**

2-Wire Cable



For permanent installations. Live rubber covering. Rldged for easy separation of conductors. In Black, Ivory or Brown. Specify color desired when ordering.

K20920—Per Foot..... **2 1/2c**
 100 Ft..... \$2.06
 500 Ft..... 9.26

4-Wire Speaker Cable



Heavy rubber covering, hemp filler, color coded. Wt. 6 lbs. per 50 ft.

K16154—Per Foot..... **6 1/2c**
 100 Ft. for..... \$5.85
2-Wire—Like above, excellent for portables.
K20945—Per Foot..... **4c**
 100 Ft. for..... \$3.60

Crystal Mike Cable



Flexible stranded tinned copper single conductor; tinned copper braid shield; cotton wrap and lacquered braid, rubber overall. Outside diameter .280".

K20842—Per Foot..... **5c**
K16333—50-Foot Roll..... \$2.37
K16334—100-Foot Roll..... 4.50

2-Conductor Crystal And Velocity Mike Cable



Low impedance, color-coded in a closely woven tinned copper shielding with outer covering of rubber. Abrasion proof.

K16079—Per Foot..... **6c**
K16201—50-Foot Roll..... \$2.85
K16202—100-Foot Roll..... 5.40

3 and 5 Conductor Shielded Cable

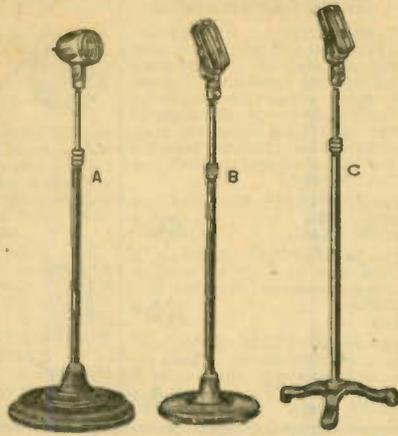


Three color-coded stranded conductors in tightly woven tinned copper shield. 1/2" outer covering of high-percentage rubber.

K16145—Per Foot..... **7 1/2c**
K16206—50-Foot Roll..... \$3.56
K16207—100-Foot Roll..... 6.75
 Similar to above, but 5-conductor.
K16100—100-Fect. \$9.78
 Your Cost per Foot..... **11c**

High Quality Microphone Floor Stands

All adjustable smoothly and noiselessly, and provided with wear-ever, sure-grip automatic friction clutch locks for firmly locking the stands at any desired height. The hardened fibre bushing in the clutch is practically indestructible. All have tubing of heavy gauge metal, triple chrome plated. All have 1/2"-27 thread to fit standard mikes. Extend from 35" to 68". Weights shown are net—add 4 lbs. for packing.



Standard Floor Stands

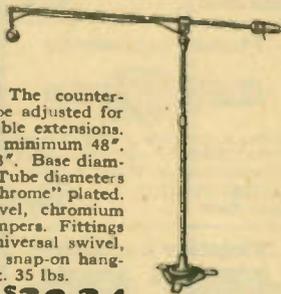
(A) Has 10" dia. base with gray crinkle finish. **\$4.98**
K13647—Net wt. 15 lbs. Your Cost
 (B) Has 10" dia. base, chrome finish. **\$6.70**
K13528—Net wt. 15 lbs. Your Cost

Tripod Base Floor Stand

(C) Deluxe stand. Tripod spread 15". **\$7.64**
K13355—Net wt. 11 lbs. Your Cost

ATLAS "Boom" Stand

Precision built. All moving parts and locking adjustments are "velvet smooth" in operation. The counterweight and boom extension can be adjusted for all microphone weights and variable extensions. Maximum vertical extension 72", minimum 48". Length of horizontal boom arm 63". Base diameter, at floor contact points, 17". Tube diameters 1 1/4" and 3/4" brass, triple "superchrome" plated. Base finished in gun-metal shrivel, chromium legs, rubber shock-absorbing bumpers. Fittings provided for all microphones: Universal swivel, assorted adaptors and extensions, snap-on hangers for holding cable to boom. Wt. 35 lbs.



K13527—Your Cost, Complete..... **\$32.34**

Atlas Adjustable Banquet Stands

This banquet stand is of the telescope type with the "Velvet Action" full grip clutch. Constructed of 3/4" heavy brass tubing. The base is of 5 lb. casting with an 8" diam. Equipped with rubber bumpers to prevent table scratching, absorb shock. Tube finished in "Super-Chrome". The stand is adjustable from 18" to 32". Finished in attractive gunmetal shrivel.



K13354—Your Cost **\$4.18**

ATLAS "Velvet Action" Desk Stands

Precision workmanship. Fine finish. Heavy brass, triple-chrome plated tubes. "FULL-GRIP" clutch on adjustable stand. Shock absorbing felt pads on base prevent table scratching. Weights: Fixed height stand 2 lb., adjustable stand 3 lb.



No.	Height	Each
K13583	7" fixed	\$1.44
K13353	8" to 13"	2.35

Carbon Mike Stand

Has 5 1/4" octagonal ring, 8 springs supplied. Overall height 9". Removable ring. Black enamel wrinkle finish.



K13540—Wt. 4 lbs. Your Cost..... **\$1.62**
De Luxe Banquet Stand
 Same as above, but with 6" removable round ring. Height 13" overall. Shpg. wt. 5 lbs.
K13542—Your Cost..... **\$2.35**

Microphone Springs

Made of fine tempered steel. **K13402**—Set of 8. Your Cost..... **15c**

AMPERITE KONTAK Mike for Musicians

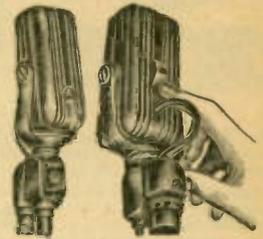


Faithfully reproduces any musical instrument. High impedance (available in 200 ohms impedance on order only). Range 40 to 11,000 cps at -40 db. level. Equipped with a 15-ft. cable. Shpg. weight 4 lbs.
K13675—Model SKH **\$7.06**
 Your Cost.....

Carbon Granules

Extra fine quality—not adulterated. Refill one-button mike. **K13481**—Each..... **39c**

AMPERITE Velocity Mikes



With Acoustic Compensator Feature hand-hammered ribbons. Alnico magnets, standard "station type" cable connector assemblies, built-in "On-Off" switch, felt carrying case. Guaranteed for 3 years. Built-in Acoustic Compensator—push knob up to increase highs—down to increase lows. Range: 40-11,000 c.p.s. Output: -65 db. 25 ft. cable. Chrome. Wt. 8 lbs.
K13668—RBHK. Hi-Imped.
K13669—RBMK. 200 ohms.
 Your Cost..... **\$24.70**

Standard Models

Similar but range: 60-8000 c.p.s. Output: -68 db. 12 ft. cable
K13598—RSHK. Hi-Imped.
K13599—RBSK. 200 ohms.

Your Cost..... **\$18.82**

SR-80 Studio Velocity

Tops in quality. Flat within 1 db. from 40 to 15,000 c.p.s. Triple shielded. Built-in "on-off" switch. 25-ft. cable. Chrome finish. High impedance. Shpg. wt. 10 lbs. Model SR-80.



K13463—Your Cost..... **\$39.20**

AMPERITE "PG" Pressure Gradient

Lowest feedback point of any diaphragm type mike. Improved clipoid pickup pattern, flat response. Range 40 to 11,000 c.p.s. Output level -56db. Station-type cable connector, built in "on-off" switch. With 25-ft. cable. Satin chromium finish. Shipping wt. 3 lbs.



Your Cost..... **\$18.82**
K13610—PGH. High Imped..... }
K13613—PGL. 200 ohms..... }
K13611—PGAH. As above, but 70 to 8000 c.p.s. 12-ft. cable. High imped.
 Your Cost..... **\$14.70**
K13607—Plastic Baffle for PG Mikes, Each..... **88c**

K13610—PGH. High Imped..... }
K13613—PGL. 200 ohms..... }
K13611—PGAH. As above, but 70 to 8000 c.p.s. 12-ft. cable. High imped.
 Your Cost..... **\$14.70**
K13607—Plastic Baffle for PG Mikes, Each..... **88c**

K13610—PGH. High Imped..... }
K13613—PGL. 200 ohms..... }
K13611—PGAH. As above, but 70 to 8000 c.p.s. 12-ft. cable. High imped.
 Your Cost..... **\$14.70**
K13607—Plastic Baffle for PG Mikes, Each..... **88c**

K13610—PGH. High Imped..... }
K13613—PGL. 200 ohms..... }
K13611—PGAH. As above, but 70 to 8000 c.p.s. 12-ft. cable. High imped.
 Your Cost..... **\$14.70**
K13607—Plastic Baffle for PG Mikes, Each..... **88c**

AMPERITE Replacement Ribbons

For use with Amperite Velocity Microphones RBHK, RBMK, RSHK, RBSK. 2 to a package.

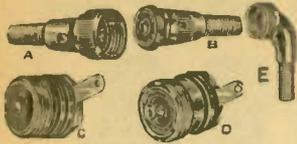
K13566—Standard..... **73c**
K13567—Super..... **\$1.03**

AMPERITE "KF" Foot Volume Control

Provides smooth control of volume by foot action. For any high impedance Kontak mike. Size: 9 x 2 1/4 x 2 1/4". Supplied with 15-foot cable. Shipping weight 4 lbs.

K13663—Your Cost..... **\$7.06**

AMPHENOL connectors and plugs



Single Contact Mike Connectors

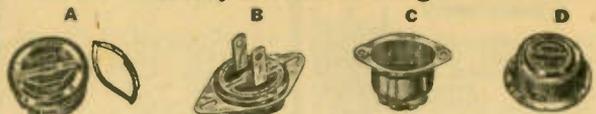
Pressure type compact connectors for use with single conductor microphone cable—utilize shell for second contact. Contact is made when center soldered connections are pressed together by tightening coupling ring.

Plated metal shells. Insulation is special tissue base laminated bakelite. Cable shield easily grounded through shell by soldering to cable protector. Accommodate cables up to 1/4" in diameter.

- Type 75-MC1F**—Female cord connector. (A). **K13359—Each..... 32c**
- Type 75-PC1M**—Male chassis connector. Same as 75-MC1M, but for chassis mtg. (C). **K13361—Each..... 19c**
- Type 75-MC1FA**—Right angle female cord connector with spring cord protector. Use with 75-PC1M, 75-SP-PC1M or 75-CL-PC1M. **K13277—(E)—Each..... 39c**

- Type 75-MC1M**—Male cord connector. (B). **K13360—Each..... 26c**
- Type 75-SP-PC1M**—Same as 75-PC1M but with center contact floating on a heavy coil spring. (D). **K13385—Each..... 26c**
- Type 75-CL-PC1M**—Closed circuit chassis connector. Closes circuit automatically when mike is disconnected. (D). **K13268—Each..... 26c**

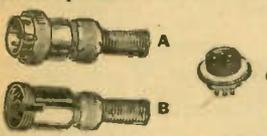
Receptacles and Plugs



Molded black bakelite insulation. 2-pole receptacles have one elongated hole and can be used with both the standard type of plug and the polarized type having one 1/4" and one 3/16" blade. 3-pole receptacles are for use with 3 pole plugs. Underwriters ratings: 15A-125V. or 10A-250V. Dimensions: (A) hole—1.172", (B) Mtg. ctrs.—1 1/2 to 1 1/4", (C) hole—1 3/8", Mtg. ctrs.—1 1/4", (D) diam.—2 1/8", height—1 1/8".

- PLAIN (A)**
- | | | |
|-----------|----------------|------|
| No. Poles | Type | Each |
| K11502—2 | Receptacle | 18c |
| K11503—2 | Standard Plug | |
| K11624—2 | Polarized Plug | 25c |
| K11625—3 | Receptacle | |
| K11626—3 | Polarized Plug | |
- WITH PLATE (B)**
- | | | |
|----------|----------------|-----|
| K11500—2 | Receptacle | 20c |
| K11501—2 | Standard Plug | |
| K11627—2 | Polarized Plug | |
- FLUSH (C)**
- | | | |
|-----------|----------------|------|
| No. Poles | Type | Each |
| K11504—2 | Receptacle | 28c |
| K11505—2 | Standard Plug | |
| K11635—2 | Polarized Plug | |
- SURFACE TYPE (D)**
- | | | |
|----------|----------------|-----|
| K11637—2 | Receptacle | 25c |
| K11638—2 | Standard Plug | |
| K11639—2 | Polarized Plug | |

Shielded Locking Type Microphone Connectors



MC series. With polarized shells. Can be used on 27 stands. Locking ring on male, and cable clamps on both, with spring cord protector. Interchangeable bakelite elements. Coupled, 2 3/4 1/2".

- 3-Contact Connectors**
- K13489—Male (A) **65c** Ea.
K13490—Female (B)
K13396—Female chassis type (C). For 1 1/4" hole. **32c** Your Cost Each.....
- 4-Contact Connectors**
- K13489—Male (A) **71c** Ea.
K13499—Female (B)
K13397—Female chassis type (C). For 1 1/4" hole. **35c** Your Cost Each.....
- Special Chassis Type**
- Female for panels up to 3/4". Male, with ring, for panels up to 3/4" thick. Recessed contacts.
- K13307—3 Pr. Female **65c** Ea.
K13308—3 Pr. Male
K13309—4 Pr. Female **71c** Ea.
K13310—4 Pr. Male

Microphone Switch



Attaches between male and female of any of the above connectors. Push-to-talk or slide switch for permanent connection.

- K13357—75-MC1S** **65c** Your Cost.....

Phone Plug Adapter



Makes a standard phone plug out of the 75-MC1F cable connector. No soldering or wiring required.

- K13388—75-MC1P** **29c** Your Cost.....

Miniature Connectors



Molded bakelite connectors in cadmium plated brass shells. Only 1 1/4" long, 1 1/4" diameter. Bakelite element held in place by set screw. When used with shielded cable, shield can be soldered to shell. Accommodates cables up to 1/4".

Male	Female	Cont.	Each
K13335	K13337	3	21c
K13336	K13339	4	24c
K13333	K13334	5	27c
K13338	K13340	6	27c

Chassis Sockets

Similar to sockets listed above but with shield. When used with shielded male connector listed at top of page a completely shielded connection is obtained. Easily mounted.

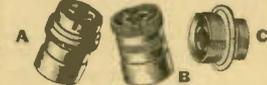
No.	Type	Each
K12704	—3-contact.....	21c
K12705	—4-contact.....	21c
K12706	—5-contact.....	24c
K12707	—6-contact.....	24c

Miniature Sockets & Plugs

These are interchangeable with the connectors listed above. The sockets are equipped with push-on mounting rings and can be used with above listed male plugs as well as the plain plug listed here. Similarly the plugs listed below can be used with the female connectors listed above.

Sockets	Ea.	Plugs	Ea.	Cont.
K12700	10c	K12708	9c	3
K12701	10c	K12709	9c	3
K12702	12 1/2c	K12710	12 1/2c	5
K11542	12 1/2c	K12711	12 1/2c	6

Polarized Four-Pole Plugs



Underwriters approved. 4 extra heavy prongs rated at 15A.-125V. or 10A.-250V. Dirt and moisture proof. Cable clamp adjustable to 1/2". Connectors coupled—3" long x 1 1/4" diam. POLARIZED, with numbered contacts. Fully shielded. Elements are interchangeable. Shell may be used as 5th conductor.

K13314—Male (A)..... \$1.77
K13316—Female (B)..... 1.77
K13320—Panel receptacle (C). Female. Mounts in 1 1/4" hole. Has thread for male plug ring..... \$1.77

Cable Connectors

Standard tube-base size connectors with shield caps. Rubber-grommet cable opening at end.

Female	Male	Contacts	Each
K11475	K11471	4	18c
K11476	K11472	5	18c
K11477	K11473	6	18c
K11478	K11474	7S	18c
K11491	K11490	8	21c
K11508	K11506	9	23c
K11509	K11507	11	27c

Same as above but with cable opening at side.

1 3/8" D., 1 1/4" L.

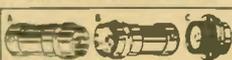
Female	Male	Contacts	Each
K11586	K11579	4	18c
K11587	K11580	5	18c
K11588	K11581	6	18c
K11589	K11582	7S	18c
K11590	K11583	8	21c
K11591	K11584	9	23c
K11592	K11585	11	27c

Same as above but with cable opening at side.

Same as above but with cable opening at side.

Locking Covers
Cover above connectors. 1 1/2x2 1/4". **K11479—Per Pair..... 18c**

AMPHENOL Coaxial Cable Connectors



Shells made of brass with polished chrome plating. Insulation is pure Polystyrene. Cable opening takes cables up to 1 3/8" dia.; may be reamed out to fit cables up to 1/8" O.D.

K16706—(A) Male connector with coupling ring. No. 93-M.
K16707—(B) Female connector with coupling thread. No. 93-F.

Either Above, **\$1.06** Each.....

K16708—(C) Chassis connector with ring. No. 93-C.
Your Cost Each..... **89c**

AMPHENOL Shielded Plugs

Fully shielded cable type 2 pole plugs and receptacles. Take up to 1 1/2" cables. Dia. 1 1/4". Unbreakable metal caps.

- WITH CLAMP (A)**
- No. Description
- K11546—Receptacle
K11545—Standard Plug
K11647—Polarized Plug
- Your Cost
Any Above, Each **32c**
- SIDE OUTLET (B)**
- K11548—Receptacle
K11547—Standard Plug
K11650—Polarized Plug
- Your Cost
Any Above Each **28c**
- END OUTLET (C)**
- K11651—Receptacle
K11652—Standard Plug
K11653—Polarized Plug
- Your Cost
Any Above Each **28c**
- Rubber Plug Handle**
- Will fit over type (C) recept., plugs as listed above; secured by inner shoulder; cords won't break at cap. **K11593—Ea... 11c**

Heavy Duty Type Multiple Connectors



Cadmium finished locking type shells with ring on male plug and matching thread on female connectors. Rubber gasket and cable clamp keep strain off prongs. Coupled connectors 3 1/4" L by 1 1/4" D. Chassis type req. 1 1/4" hole.

- | | | | |
|-----------|-------------|----------------|-----------------|
| Con-tacts | Male Plug A | Female Conn. B | Chassis Conn. C |
| 4 | K13555 | K13377 | K13274 |
| 5 | K13554 | K13376 | K13273 |
| 6 | K13553 | K13375 | K13272 |
| 8 | K13492 | K13491 | K13269 |
- Any Above Type
Your Cost Each..... **89c**

Cable End Terminal

Connects coaxial cable to open wire. 2" long, 1 1/2" dia. **K16709—Ea... \$1.06**

Terminal Cap
Made of Amphenol "912" 3/8" high, 1 1/2" dia. Fits end terminal. **K16710—Each..... 15c**

plugs, jacks, connectors

Popular Phone Plugs

For 1 or 2 phone or speaker cords. Molded bakelite shell. 2 1/4" long x 3/8" diam. Screw connections.
K14974—Black Each... **29c**
K14971—Red. Each... **29c**
 10 For... **\$2.70**

Metal Shell Type

Same with nicked brass shell 3/8"x3/8". 10 For \$4.50.
K14970—Each... **50c**

"Stubby" Metal Shell

As above but with short metal shell. 2 1/4" overall. 10 For \$3.75.
K14959—Each... **42c**

Midget Bakelite Plug

Bakelite shell. 2 1/4" overall x 3/8" diameter. Solder lug connections.
K14960—Black **K14963—Red**
 Your Cost 10 for \$3.15.
 Each... **35c**

Midget Metal Shell

Same with metal shell. 2 1/4" overall x 3/8" diam. 10 for \$3.70.
K14958... **41c**

Midget Jacks

Fibre insulation. 3/8" mtg. hole.
K6548—Closed circuit jack.
K6549—Open circuit jack. Each... **15c**
K6550—New Imp Short Jack. 3-circuit for 3-way plugs. Ea. 20c

Shielded 3 Way Microphone Plug



Barrel is made of nickel plated brass. Fully insulated bushing.
K13519—5 For \$4.10. **91c**
 Your Cost... **65c**
 As above but with bakelite barrel.
K13521—5 For \$2.93.
 Your Cost... **65c**

Shielded 3 Way Jack



Phosphor bronze spring jack. Nicked brass shell.
K13520—Your Cost... **88c**
K13522—Jack, less shell. Your Cost... **41c**

Mike Cable Clip



Nickel plated brass. Holds cable close to stand.
K11661—Each... **9c**

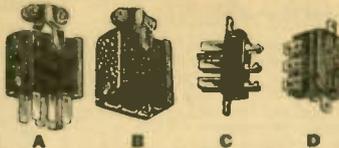
High Voltage Plugs and Jacks



Heavy duty type, in medium and giant sizes. Capable of handling 1000 volts at 10 amperes. For use with high radio frequency currents, diathermy work, transmitters, etc. Have insulated threaded heads and handles. Hardware furnished with jacks. Use medium size jacks for panels up to 3/8" thick. Use giant size jacks for panels up to 3/4" thick.
Medium plugs—2 1/2"x3 3/8"
K12870—Black and Red
K12871—Black Your Cost, Each... **32c**
Medium Jacks—2 1/2"x3 3/8"
K12872—Black and Red
K12873—Black Your Cost, Each... **56c**
Giant Plugs—2 1/2"x3 3/8"
K12785—Black and Red
K12786—Black Your Cost, Each... **44c**
Giant Jacks—2 1/2"x3 3/8"
K12787—Black and Red
K12788—Black Your Cost, Each... **68c**

JONES "300" & "400" Series Plugs & Sockets

Multiple contact plugs and sockets in both "400" series heavy duty (25 ampere) and "300" series standard duty (5 ampere) sizes. Cable type plugs and sockets have cable clamps. Chassis type have brackets—heavy duty type at ends—standard duty type at sides.



TYPE A PLUGS

Standard Stock No.	Your Cost	Con-tacts	Heavy Stock No.	Duty Your Cost
K12460	24c	2	K12400	48c
K12461	28c	4	K12401	57c
K12462	32c	6	K12402	68c
K12463	36c	8	K12403	77c
K12464	40c	10	K12404	88c
K12465	45c	12	K12405	98c

TYPE B SOCKETS

Standard Stock No.	Your Cost	Con-tacts	Heavy Stock No.	Duty Your Cost
K12466	25c	2	K12412	51c
K12467	29c	4	K12413	64c
K12468	35c	6	K12414	77c
K12469	40c	8	K12415	91c
K12470	45c	10	K12416	\$1.05
K12471	51c	12	K12417	\$1.19

JONES No. 140 Terminal Strips

3/8" deep by 1 1/4" high. Terminals mounted on 3/8" centers. Metal to metal spacing over bakelite 1/4". Screws are brass, burnished nickel plate. Ideal for radio, P.A., and other electrical work.



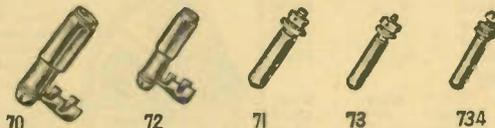
Stock No.	Terminals	Each	Stock No.	Terminals	Each
K12648	2	50.13	K12653	7	50.36
K12649	3	.18	K12654	8	.41
K12650	4	.23	K12655	9	.46
K12651	5	.27	K12656	10	.51
K12652	6	.31			

JONES No. 141 Terminal Strips

1 1/8" wide by 3/8" high. Terminals mounted on 3/8" centers. Metal to metal spacing over bakelite 3/8". Screws are brass, burnished nickel plate.

Stock No.	Terminals	Each	Stock No.	Terminals	Each
K12539	2	50.17	K12544	7	50.46
K12540	3	.23	K12545	8	.53
K12541	4	.29	K12546	9	.59
K12542	5	.35	K12547	10	.65
K12543	6	.40	K12548	11	.72
			K12549	12	.77

"Spring Sleeve" Plug and Jacks



These jacks and plugs have maximum current carrying capacity, minimum resistance, great mechanical strength, and snug fit. Wiping action of spring on insertion insures good electrical contact. "Spring sleeve" tension. Regularly nickel plated, but cadmium or silver can be supplied on special order.

Stock No.	Plugs	Dimensions				Thread	Your Cost Each
		Type	D	S	P		
K12876	71	.375	1/2	1 1/2	1 1/2	1/4-28 screw	10c
K12889	73	.250	3/8	1 1/4	1 1/4	10-32 screw	5c
K12897	73A	.250		1 1/4		10-32 screw	5c

Jacks	D	S	H	Thread	Your Cost Each	
K12898	70	1/2		1 1/2	1/4-20 screw	25c
K12899	72	3/8		1 1/2	10-32 screw	18c

ATLAS Microphone Accessories Flexible "Goose Neck"



The Atlas Flexible "Goose Neck" can be attached to any floor or desk stand. It can be used for supporting a microphone where some amount of overhang is required. Each Goose Neck section is equipped with a 3/8"-27 female thread and a 3/8"-27 male thread. The finish is bright "superchrome". Overall length 13".
K11663—Your Cost... **\$1.18**

Microphone Adaptors

Stock No.	Description	Each
K13344	3/8"-27 female to 1/4" pipe thread male	\$0.44
K13349	1/4" pipe female to 3/8"-27 male	.29
K13364	1/4" pipe female to 3/8"-27 female	.29
K13365	3/8" long, 3/8"-27 male running thread	.15
K13366	3/8"-27 female to 3/8"-27 female, coupling	.29
K13367	3/8"-27 female to 3/8"-27 female, coupling	.29
K13368	3" long tube 3/8"-27 male ends, chrome plated	.29
K13369	6" long tube 3/8"-27 male ends, chrome plated	.35
K13370	3/8"-27 female to 3/8"-27 female	.29

Rubber Capped Male and Female Plugs

Molded rubber. Standard socket arrangement of holes and prongs. Ideal for outdoor use. Prevent broken cables.



Male			Female		
No.	Each	Prongs	No.	Each	Prongs
K11705	20c	4	K11710	38c	5
K11706		5	K11711		6
K11707	23c	6	K11712	45c	7
K11708		7	K11713	47c	8



Bakelite Speaker Plugs



Female		Male	
No.	Each	No.	Each
K11528	4	K11532	4
K11529	5	K11533	5
K11673	6	K11678	6
K11674	7 L	K11679	7
K11675	7 S	K11680	7
K11676	8	K11672	8

Standard Speaker Plugs

1-piece molded bakelite. Solid construction; speaker cables easily wired.



No.	Type	Each
K11512	4 prong	8c
K11513	5 prong	
K11514	6 prong	
K11515	7 prong	
K11516	8 prong	10c

Dial Plates

Fine etched metal black dial plates, calibrated 0-10 in 300°. 2 1/4" high by 1 1/4" wide, with four mounting holes.



Plain Gain Tone Specify marking desired.
 Record Microphone Master Gain
K9904—5 For 72c. Each **16c**

"Modern" Dial Plate

Silver colored plates with black letters. All 2 1/4"x2 1/4". Marked: Tone, Gain, Microphone, Increase (no figures, markings only), Volume and Plain (no title, just 1 to 10). Specify marking desired when ordering.
K10669—Any Type, Each... **21c**



Etched Metal Plates

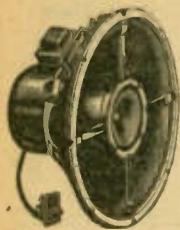
Raised letters on a black etched background. All 1 1/2" wide by 3/8" high.



With following markings:

A. C. Input	Monitor
Amp. Grid Curr.	Neut. Cond.
Amp. Screen Curr.	Oscillator
Antenna	Osc. Plate Curr.
Ant. Feeder Curr.	Output
Buffer Plate Curr.	Output Gnd.-Gnd.
1st Buffer Grid	50 Ohm Output
1st Buffer Plate	125 Ohm Output
Filament Voltage	200 Ohm Output
Fil. 1st ON; 2nd OFF	500 Ohm Output
Gain Control	Plate
Input	Plate Voltage
50 Ohm Input	Plate 2nd ON;
125 Ohm Input	1st OFF
200 Ohm Input	Power Amp. Grid
500 Ohm Input	Power Amp. Plate
Key	Receiver
Microphone	Rectifier
Modulation Ind.	Send
Modulator Grid	Speaker
Modulator Plate	Tritet Oscill.
Specify marking desired.	
K9898—	
Any Type, Each	7c
10 For (any selection)	63c

JENSEN speakers



JENSEN Type "J" Coaxial Hi-Fidelity Speakers

Efficient dual speaker assemblies with cone type "tweeter" mounted in the cone assembly of the "woofer". Provide true high-fidelity response, and are ideally suited for FM and fine AM receivers, for broadcast and recording monitoring, etc. The 15" models incorporate a built-in two channel network providing high and low-pass channels with attenuation of 10-12 db per octave; also furnished with four-position High Frequency Control Switch on a 36" cable ("roll-off" control of high range). 12" model has simple bridging type network that affords good wide-range performance; no range control switch with this model.

Model JAP-60. 15" Speaker

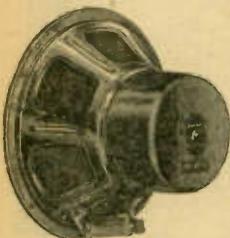
Professional type for FM-AM broadcast monitoring, transcription playback, reference standard for laboratories, etc. Range 50 to 12000-15000 c.p.s. Efficiency 3 db higher than other 15" models. Input impedance 500 ohms. Max. input 14-15 watts. Integral two-channel network. With 4-position H.F. control. Shpg. wt. 24 lbs. **Your Cost**..... **\$49.22**

Model JHP-52. 15" Speaker

For all general applications such as FM and AM receivers, fine phonographs, broadcast and recording monitoring, etc. Range 50 to 12000-15000 c.p.s. Maximum input 12-14 watts. Input impedance 500 ohms. Integral 2-channel network. With 4-position H.F. control. Shpg. wt. 23 lbs. **Your Cost**..... **\$34.81**

Model JCP-40. 12" Speaker

Excellent modernizing unit to replace 12" speakers in radios and phonograph combinations. Range 50 to 10000-12000 c.p.s. Max. input 8-10 watts. Input impedance 6 ohms. Has simplified bridging type network (no H.F. control). Shpg. wt. 16 lbs. **Your Cost**..... **\$20.73**



JENSEN PM & Field Coil Dynamic Concert Speakers

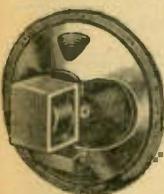
A series of heavy-duty highly efficient speakers for use in all types of radios, phonographs and public address equipment. All are designed so that they may be used in Jensen BASS REFLEX enclosures and cabinets. Field coil models have hum bucking coils. All models less output transformer. A complete listing of suitable transformers will be found below. Frequency response range of all models meets the accepted standard for high fidelity performance.

Permanent Magnet Types

No.	Model	Size	Watts	V.C.	Shpg. Wt.	Each
K19076	P8-S	8"	8	6 ohms	4 lbs.	58.20
K19088	P10-S	10"	9	6 ohms	5 lbs.	10.08
K19092	P12-S	12"	10	6 ohms	7 lbs.	11.58
K19071	PM12-H	12"	12	8 ohms	9 lbs.	17.55

Field Coil Types

Stock No.	Model No.	Size	Cap. Watts	Field Ohms	V.C. Imp.	Shpg. Wt.	Your Cost
K19068	A-12	12"	15	860	8 ohms	18 lbs.	19.40
K19070	A-12	12"	15	2500	8 ohms	18 lbs.	19.40
K19072	B12-X	12"	14	1250	8 ohms	16 lbs.	15.32
K19074	B12-X	12"	14	2500	8 ohms	16 lbs.	15.32



Series "S" PM Speakers

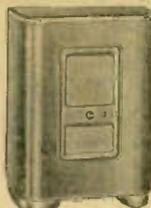
Rugged, compact speaker. 5", 6" and 8" speaker; voice coils are 4 ohms impedance at 400 cycles; 10" and 12" speakers are 6 ohms. Less output transformer.

Stock No.	Model	Size	Your Cost
K18960	P4-X	4"	\$2.56
K18968	P5-X	5"	2.62
K18969	P6-W	6"	3.26
K18970	P8-U	8"	4.70
K18971	P10-T	10"	6.56
K18972	P12-T	12"	8.20

Universal Output Transformers For Series "S" Speakers

No.	Type	For	Each
K18973	Line PM & H	4, 5, 6, 8	\$1.06
K18974	Tube PM & H	4, 5, 6, 8	1.68
K18975	Line PM8 DS, FS		1.68
K18976	Tube PM8 DS, FS		1.47

NOTE: 10" and 12" speakers use transformers listed at right.



JENSEN RA83 Hi-Fi Unit

Comprises a high quality 8" PM speaker housed in enclosure as shown. Handles 6 watts continuously. Recommended wherever flat response is required from 50 to 10,000 c.p.s. Ideal for broadcast work, auditoriums, for fine radio receivers, etc. Voice coil impedance 6 ohms. Enclosure has Bass Reflex feature; constructed of plywood, brown lacquer finish. 24x18x9 1/2". Wt. 40 lbs. K18947—8" PM Speaker, & encl. **\$24.87**

Your Cost

K18948	—8" PM Speaker only (P8-SH).	Your Cost	.....	\$9.53
K18949	—8" Dynamic (G8RT). 2500 ohm field coil.	Your Cost	.....	8.20

9-Watt Model RA123

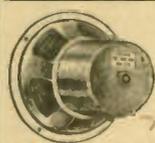
Like the above, but for use where greater power handling capacity is required. Has 12" PM speaker and handles 9 watts continuously. In MT-121 enclosure, 27x24 1/2 x 13 1/2". Wt. 53 lbs. K19001—Enclosure with 12" PM Speaker. **Your Cost**..... **\$34.87**
K19000—12" PM Speaker only (PM12CT). **Your Cost**..... **\$13.26**
K19006—12" Dynamic (G12RT). 2500 ohm field coil. **Your cost** 9.35

Transformers For Above

K19177	—Matches voice coil to 500 ohm line. Each	.....	\$1.85
K19181	—Universal Line (500/1000/1500/2000 ohms). Each	.....	\$3.09
K19183	—Universal Tube (any tube, single or p.p.). Each	.....	\$3.09

Type "A" Bass Reflex Enclosures only

K19019	—Model A 81 for 8" speaker—24x18x9 1/2"	.....	\$16.84
K19020	—Model A 121 for 12" speaker—27x24 1/2 x 13 1/2"	.....	23.35
K19021	—Model A 151 for 15" speaker—32 3/4 x 27 3/4 x 13 1/2"	.....	27.06



JENSEN 8", 10" and 12" Standard Dynamics Models "C"

High quality dynamics ideally suited for radio receivers, P.A. work, etc. Employ heavy field pots, 1 1/4" voice coils and hum bucking coils. Voice coil impedance 8 ohms at 400 cycles per second. 8" models have power capacity of 6 watts, 10" models have power capacity of 8 watts and 12" models have power capacity of 12 watts. All furnished less output transformers.

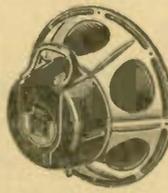
Stock No.	Model	Field Res.	Shpg. Wt.	Your Cost
K18988	C8-RS (8")	2500 ohms	6 lbs.	\$8.41
K18992	C12-R (12")	2500 ohms	9 lbs.	\$9.53
K18993	C12-R (12")	1250 ohms	9 lbs.	\$9.53



JENSEN 12-Inch Concert Speaker

Used for public address and high quality radio and phonograph applications. Designed for use in the Jensen Bass Reflex enclosures and cabinets. Supplied without transformer. Voice coil characteristics: 8 ohms imp., 15 watts.

K19093—Model A12-PM. **Your Cost**..... **\$28.81**



JENSEN Auditorium Speakers

These 18" PM Auditorium Speakers are among the best known and respected high quality loud speakers available. Model PMJ-18 is recommended as a general purpose unit. Model PVJ-18 was designed with greatest emphasis on reproduction of voice, but in accomplishing this, bass response has not been sacrificed. Voice coil characteristics: impedance 8 ohms, 25 watts.

K18954—Model PMJ-18
K18955—Model PVJ-18
Either model. **Your Cost**..... **\$143.58**

Universal Matching Transformers

Match Jensen speakers to any output tubes, single or push-pull, or to universal line (500, 1000, 1500 and 2000 ohms). Shpg. wt. 4 lbs.

No.	Type	For Speakers	Each
K19022	Univ. Line	PM-8C, PM-10C, PM-12C, G12RS, PM12GS	\$2.29
K19023	Univ. Tube	PM-8C, PM-10C, PM-12C, G12RS, PM12GS	.....
K19024	Univ. Line	A12, B12X, PM12H	\$3.09
K19025	Univ. Tube	A12, B12X, PM12H	.....
K18964	Univ. Line	C8-RS, C10-RS, C12-R, PAH-8, FAB-8	\$2.29
K18965	Univ. Tube	C8-RS, C10-RS, C12-R, PAH-8, FAB-8	.....
K18966	Univ. Line	PM10-GS, G10-RS	\$1.68
K18967	Univ. Tube	PM10-GS, G10-RS	\$1.47

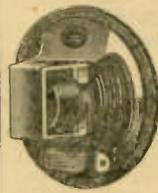
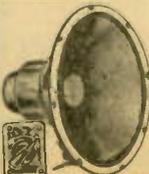
JENSEN A40-1 Network

A unique 2-channel network for those who wish to assemble their own speaker system, or add a high frequency speaker to an existing single speaker. Freq. division is at 4000 cycles, with an attenuation outside pass band of 10-12 db per octave. Low freq. channel accommodates any suitable 8, 10, 12 or 15" speaker. High channel takes 1 to 4 high freq. speakers (16, 8 & 4 ohm taps). 500 ohms input.

K19018—**Your Cost**..... **\$19.43**

JENSEN HNP-51 Hi-Fi Coaxial

Two speakers in one assembly! 4-point switch gives 4 response curves for phono, SW, AM, FM and television. H-F cut-off at 15,000, 10,000, 7500 and 6000 cycles. "Roll-off" type h-f control built into dividing network. Nominal input imp. to div. network 500 ohms. 25 watts power capacity. 15" curvilinear cone with 2" voice coil. Compression-type, horn-in-cone speaker. Alnico 5 field. Wt. 18 1/4 lbs. **Your Cost**..... **\$73.50**



Series "F" Dynamics

Standard Replacements. All less output transformers (see listing under Series "F" PM), excepting No. K18977 which includes a

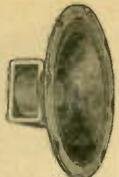
4500 ohm transformer to match 43, etc.

No.	Model	Size	Ohms	Each
K18956	F4-X	4"	450	\$2.38
K18957	F4-X	4"	3000	2.38
K18958	F5-X	5"	450	2.44
K18978	F5-X	5"	2750	2.44
K1977	F5-X	5"	3000	3.18
K18979	F5-X	5"	6 volt	2.44
K18980	F6-X	6"	2750	.....
K18981	F6-X	6"	1800 tapped at 300	\$2.68
K18982	F6-X	6"	6 volts	.....
K18983	F8-T	8"	2500	.....
K18984	F8-T	8"	1000	\$4.09
K18959	F8-T	8"	1800 tapped at 300	.....
K18985	F10-S	10"	2500	.....
K18986	F10-S	10"	1250	\$6.14
K18928	F12-S	12"	1250	\$7.61
K18987	F12-S	12"	2500	.....

all purpose speakers

CINAUDAGRAPH Speakers

CINAUDAGRAPH speakers offer a complete range of speakers available for replacement, small PA installations, and inter-office communications. Each speaker is of superior quality. All except 2" speakers have transformer mounting brackets, but are supplied without transformers. All PM speakers use Alnico V magnet. All dustproofed all field coil models have bucking coils.



PM Type				Dynamic Type			
Stock No.	Size	Imped.	Watts	Stock No.	Size	Imped.	Watts
K19128	2"	3.2	1.0	K19141	3"	3.2	1.5
K19129	3"	3.2	1.5	K19142	4"	3.2	2.0
K19130	3"	3.2	2.0	K19143	5"	3.2	2.5
K19131	4"	3.2	2.0	K19144	5"	3.2	2.5
K19133	5"	3.2	2.5	K19145	5"	3.2	2.5
K19134	5"	3.2	3.0	K19146	6"	3.2	3.0
K19135	6"	3.2	3.0	K19147	6"	3.2	3.0
K19136	6"	3.2	3.5	K19148	6"	3.2	3.0
K19137	6"	3.2	5.0	K19149	6"	3.2	3.0
K19138	8"	3.2	5.0	K19150	8"	3.2	4.0
K19139	10"	8	8.0	K19151	8"	3.2	4.0
K19140	12"	8	9.0	K19152	8"	8	5.0
				K19153	10"	8	8.0
				K19154	12"	8	9.0

Public Address Type Speakers

PM Type	Voice Coil	Magnet	Each
Stock No.	Size	Imped.	Watts
K19383	6"	8	6.8
K19379	8"	8	6.8
K19381	10"	8	9.41
K19384	12"	8	10.29
K19391	12"	8	12.1
K19382	12"	8	15
K19397	15"	8	21.5

Dynamic Type	Voice Coil	Field	Each
Stock No.	Size	Imped.	Watts
K19392	12"	8	15
K19393	15"	8	17

CRESCENT PM Type Speakers

Three models to choose from. Comes with transformer mtg. bracket less transformer. Voice coil impedance 3.2 ohms. Alnico 5 magnet. Individually boxed.

Stock No.	Size	Depth	Magnet Wt. (oz.)	Your Price
K19349	4"	1 1/2"	.68	\$1.95
K19350	4"	1 1/2"	1.00	2.03
K19351	4"	2 1/4"	1.47	2.18
K19360	4"	2 1/4"	2.15	2.40
K19352	5"	2 1/4"	.68	2.03
K19353	5"	2 1/4"	1.00	2.10
K19365	5"	2 1/4"	1.47	2.25
K19366	5"	2 1/4"	2.15	2.48
K19354	6"	2 1/4"	.68	2.33
K19367	6"	2 1/4"	1.00	2.40
K19368	6"	2 1/4"	1.47	2.55
K19369	6"	2 1/4"	2.15	2.79

G-E Alnico 5 PM Speakers

G-E scientists have perfected the new Alnico 5 magnet material which is superior to any ever used before. A new "stay-bright" finish eliminates all finger marks; the new all-weld construction prevents dust and moisture accumulation; the new voice coil wound on an aluminum foil base eliminates adverse humidity and heating effects; the new sensitive Alnico 5 material made it possible to design smaller speakers with greater performance values. High fidelity and brilliant frequency response characteristic of all speakers. Voice coil impedance all models 3.2 ohms. Supplied less transformers.

Stock No.	G-E Type	Diam.	Response C.P.S.	Watts	Mag. Oz.	Your Cost
K19300	400C	4"	180-5000	4	1.3	\$2.53
K19301	525C	5 1/2"	140-5000	4	1.3	2.94
K19302	650C	6 1/2"	100-6000	8	3	4.05
K19303	800C	8"	90-8000	8	3	5.27
K19304	1000C	10"	70-6000	12	6.8	7.35
K19305	1200C	12"	70-7000	12	6.8	5.70

Cone Centering Shlms

Flexible celluloid. 16 shims in handy leatherette folder. Contains 4 each of following sizes: .0125", .010", .0075", .005".

K19649—Kit of 16. **35c**
Your Cost

Speaker Grill Cloth

Approx. 12x12".
K19609—**19c**
Each
10 Pieces. \$1.75
Grille Cloth, 50" wide, cut to your specified length.
K20949—Your Cost, Per Yd. **\$1.15**

Cement Kit



No radio serviceman can afford to go out on a job without this kit. An efficient radio repair kit. Useful for repairing parts of speaker cones; voice coils, radio frequency coils and chokes. Kit consists of one bottle of all purpose cement one bottle of thinner, and one applicator brush.
K19499—Your Cost. **36c**

LAFAYETTE DYNAMIC SPEAKERS

A quality line of speakers for general replacement purposes. Also good for light public address work. They have a practically flat response, when properly baffled, varying from 100 to 4500 c.p.s. Formed one-piece cones.

3" and 4" Diameter Models

For call systems, hearing aids and mldget radios. Less transformer. Shpg. wt. 3 lbs.
3" No. 4" No. Field Each
K19279 K19115 450 ohms } **\$2.50**
K19265 K19116 2750 ohms }
K19273—Universal tube matching transformer for any of the above models. . . .98c

5" Diameter Models

All less transformers. Average wt. 3 lbs.
Stock No. Field Stock No. Field
K19261— 6 ohms K19262— 450 ohms
K19263—2750 ohms K19264—1800 tapped at 300 ohms. **\$2.75**
Your Cost, Each

Special Transformers for 5" Models

Stock No. Impedance For Tubes
K19286 2,000 ohms 25B6, 25L6, etc.
K19287 4,000 ohms 25A6, 43, etc.
K19288 10,000 ohms 41, 6C6G, 6A4-LA
Your Cost Each, Any Type. **65c**

6" Diameter Models

All less matching transformers. Average shpg. wt. 4 lbs.
Stock No. Field Resistance Each
K19122 4 ohms (for auto sets) } **\$3.05**
K19165 1080 ohms }
K19109 1800 ohms tapped at 300 }
K19166 2750 ohms }

8" Diameter Models

All less matching transformers. Shpg. wt. each 6 lbs.
Stock No. Field Resistance Each
K19307 1000 ohms } **\$3.60**
K19283 1800 ohms tapped at 300 }
K19292 2500 ohms }

10" Diameter Models

All less matching transformers. Shpg. wt. each 7 lbs.
Stock No. Field Resistance Each
K19284 1000 ohms } **\$5.80**
K19285 2500 ohms }

12" Diameter Models

All less matching transformers. Shpg. wt. each 9 lbs.
Stock No. Field Resistance Each
K19294 1000 ohms } **\$7.25**
K19295 2500 ohms }

LAFAYETTE PM SPEAKERS

Once more Lafayette is able to supply you with the finest grade permanent magnet type speakers. High quality permanent magnet all-purpose speakers. Each matches in sensitivity a comparable field coil type. Have high permeability magnets; one piece seamless cones; plated metal frames. Voice coil impedance 3-8 ohms. All supplied less output transformer.

Stock No.	Diameter	Wattage	Shpg. Wt. Lbs.	Your Cost
K19155	2"	1	1 1/2	\$1.79
K19123	3"	1 1/2	1 1/2	1.95
K19268	3"	2	2	2.20
K19111	4"	2 1/2	1 1/2	2.09
K19112	4"	2 1/2	1 1/2	2.30
K19113	5"	2 1/2	1 1/2	2.20
K19269	5"	3	3	2.50
K19270	6"	4	3	2.75
K19271	8"	5	4	4.00
K19290	10"	8	6	6.70
K19272	12"	9	7	7.50

Note: Delivery of LAFAYETTE Dynamic Speakers affected by copper market supply. Expected delivery date, February 1, 1947

LAFAYETTE Fabrikoid Wall Baffles

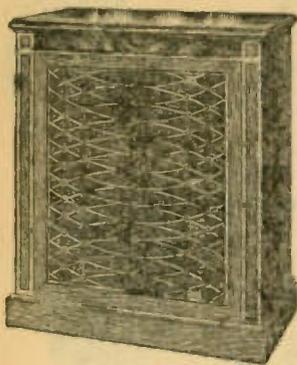
Correctly angled faces provide wide area coverage. Can be placed on floor to direct sound up. (Wall bars on 10" and 12" models only). Hardwood and brown leatherette. Av. wt. 8 lbs.
No. Speak. H. W. D. Each
K20060 6" 8 1/2 x 7 1/2 x 4 1/2 \$1.80
K20063 8" 10 1/2 x 9 x 6 1/2 2.25
K20064 10" 14 x 12 x 8 1/2 3.30
K20066 12" 15 x 14 x 10 3.75

Universal Outputs

Popular strap mounting units which match practically any tube, single or push-pull, to any standard voice coil. Hook-up instructions supplied with each unit. Three sizes depending on speaker size: Small for speakers from 3 1/2" to 6"; medium for 6" to 8" speakers; large for 8" to 12" speakers.

Stock No.	H.	L.	W.	Ctrs.	Each
K19273	1 1/2"	2 1/4"	1 1/4"	2"	\$0.98
K5667	1 1/2"	2 1/4"	1 1/4"	2 1/2"	1.02
K1535	1 1/2"	2 1/4"	1 1/4"	2 1/4"	1.41

ALTEC-LANSING high fidelity equipment



Model 605A Duplex System

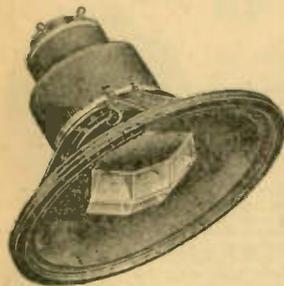
Revolutionizes Sound Reproduction

- Area of Horizontal Distribution: 60 degrees (12 times the area distribution at high frequencies as compared to single unit speakers of comparable size.
- Area of Vertical Distribution: 40 degrees (8 times the area of speakers of comparable size. 15 1/4" dia.)
- Low Frequency Cut-off: 60 cycles.
- Hi-Frequency Cut-off: Above audibility.
- Duplex Unit Impedance: 20 ohms.
- Dividing Network Crossover: 2000 cycles.

- Dividing Network Impedance: 20 ohms.
- Signal Capacity: 25 watts.
- Frequency Response: Flat over entire range.
- Distortion Characteristics: Inaudible.

Response curves of the 605 Duplex System show amazingly flat response over the entire audible range, not only when measured in front of the speaker on its axis, but up to 30 degrees off the speaker axis! Performance tests were calibrated by leading independent acoustic laboratories. Floor cabinet was designed to please a connoisseur of fine furniture. At same time, cabinet easily satisfies the foremost requirement—high quality sound reproduction. Provides ample area of air space which permits Duplex Speaker to radiate efficiently down to 60 cycles for a wider range of tonal quality. Unobstructed grille front permits a full 60 degrees of horizontal distribution. Finished in beautiful walnut. Unit includes cabinet, the model 604 Duplex Speaker and model N2000B Dividing Network. Duplex Speaker and the Dividing Network may be purchased individually, and are described below. Shipping wt., complete unit 150 lbs.

K19319—Model 605A Duplex System
Your Cost, Complete.....\$323.40



Model 604 Duplex Speaker

Amazing Development in High Fidelity Sound Reproduction! The perfect two-way multi-cellular speaker for monitoring, radio, public address, recording, home radio, phonograph, paging systems, television and FM reproduction. The Duplex speaker delivers up to 500% greater efficiencies in these operations. Intermodulation effects always produced by single diaphragm type loudspeakers are not heard from the Duplex. It's a new loudspeaker which combines both high and low frequency units in a compact two-

way multi-cellular unit. Compared to single unit speakers of equal size, the Duplex provides up to 800% increased area of quality sound distribution in the vertical plane and up to 1200% increased area of distribution in the horizontal plane.

The voice coil is wound with rectangular aluminum wire and operates in a magnetic field of very high flux density, which is supplied by a recently perfected type of permanent magnet. The aluminum alloy metal diaphragm provides mass stiffness and high velocity of transmission. The high frequency horn has six cells in a 2 x 3 configuration. Each cell covers a 20 degree solid angle, which means a combined area of distribution in the horizontal plane of 60 degrees and 40 degrees in the vertical plane. The high frequency horn is mounted in the face of the low frequency unit. Power from the high frequency unit is supplied through the pole piece of the low frequency unit. The three-inch voice coil of the low frequency unit is also wound with rectangular wire, and operates in a magnetic field of very high flux density, which is supplied by the newly perfected type of permanent magnet. Both the voice coil construction and the magnetic circuit design aid in delivering a very high efficiency. The low frequency voice coil assembly is mounted in a 15-inch stiff paper cone resonant at 38 cycles. Requires use of N2000B network listed below.

The Altec Lansing speaker has an overall efficiency in the region of 500 to 1500 cycles such that it produces 92 db (ref. 10 to 16 dynes per sq. in.) at a distance of 5 ft. with an input of 0.1 watt. This increased efficiency minimizes distortion at all performance levels, and gives a much greater dynamic volume range. (Shipping weight—29 lbs.)

K19320—Model 604 Duplex Speaker
Your Cost.....\$205.80

Model N2000B Dividing Network

This dividing network has been so engineered as to guarantee perfect practical performance of the Duplex Speaker. It has a high crossover point (approximately 2000 cycles), which keeps the size of the multi-cellular horn small because, mounted on face of the low-frequency horn, it would otherwise obstruct the low-frequency cone radiation. Shpg. wt. 5 lbs. For use with Model 604 Speaker above, ONLY.

K19321—Model N2000B Dividing Network
Your Cost.....\$39.20



Model A323 High Impedance Amplifier

Specifications—

Gain: 104 db in high gain position (500,000 ohm input); 74 db gain low gain position.

Frequency Characteristics: 20 + 20,000 cycles per second ± 1 db.
Power Output: 15 watts, 2% harmonics above 60 cycles (8% intermodulation 60 + 7000 cycles).

Noise Level: -37 in high gain position and -45 in low gain position (.006 watts reference).
Impedance: Input—500,000 ohms; output—10 to 20 ohms.

Power Supply: 110 to 125 volts, 110 watts, 50 to 65 cycles/sec. The A-323 Amplifier is a portable high quality amplifier designed to operate in conjunction with Altec Lansing Duplex Speaker or to be used as high quality amplifier for public address and sound re-enforcement systems. Specifically engineered to operate adequately from low level phono pick-ups, microphones, radio tuners, reproducing high quality sound over full frequency range of Duplex Speaker without overload or distortion. Two high impedance inputs provided by means of switch. Input #1 is a high gain position and input #2 is a low gain position. The switch can be re-wired so both inputs can be connected to the high gain stage if desired. The first stage (high gain input) is a 6SJ7 pentode connected tube. The second stage (low gain input) is a 6SJ7 pentode connected. The third stage is a 6SJ7 triode connected and is used as phase inverter to drive the final stage, which consists of two 6L6 tubes in push pull.

Chassis finished in light gray crackle. Dimensions: 12" long, 9" deep and 8" high. Weight 12 lbs.

K19322—Model A-323 Amplifier
Your Cost.....\$115.64

Low Impedance Amplifier A323A

This A-323 Amplifier can be supplied with input transformer having 90 db of magnetic shielding with input impedances of 30, 250 and 500 ohms. This model is designed as A-323A and has 94 db gain. Low gain position same as Model A-323. Weight 12 lbs.

K19323—Model A-323A Amplifier
Your Cost.....\$154.84

Model 603 Multicell Dia-Cone Speaker

A mechanical dividing network and multicellular horn at a price you can afford! Features:

- Area of Horizontal Distribution.....60°
- Area of Vertical Distribution.....40°
- Voice Coil Impedance.....10 ohms
- Voice Coil Diameter.....3"
- Power Rating.....20 watts
- Diameter.....15 1/4"

To meet tremendous demand for high quality metal diaphragm cone speaker for those who desire a speaker priced lower than the "pro" model. This unit has the advantages of a 2-way multi-cellular speaker system, and its performance, efficiency, frequency response and absence of distortion.

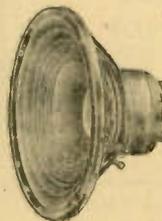
Designed for those who appreciate quality sound in home radio, phonograph, music system, and FM reception. Adaptable to portable 16 mm. sound reproduction. The 603 Multicell Dia-Cone Speaker is an Alnico 5 perm. magnet unit in 15" frame. Uses a 3" edge wound aluminum voice coil to which is mounted a domed aluminum alloy metal diaphragm and a seamless moulded cone. These and the careful design of the magnetic circuit to close tolerances results in high efficiency that delivers 89 db (10-16 dynes/sq. cm. ref.) at 5 feet with input of 1/10 watt. Depth 6 3/4". Shpg. wt. 17 lbs.

K19324—Model 603 Multi-Cell Dia-Cone Speaker
Your Cost.....\$82.32

Model 600 Dia-Cone Speaker

A high-fidelity speaker on a 12" frame using the exclusive dia-cone principle of reproducing low and high frequencies from separate diaphragms. Meets the need of those who do not wish to invest in more expensive speakers, yet whose training, musical enjoyment, sound consciousness and discriminating hearing demand faithful reproduction of sound in radios, music systems, public address systems or wherever sound is reproduced in homes or in industry. Power Rating: 18 watts. Diameter: 12". Depth 5 1/4". Voice Coil Diam. 3". Voice Coil Impedance: 10 ohms. Wt. 12 lbs.

K19325—Model 600 Dia-Cone Speaker
Your Cost.....\$47.60



Model TL262 Matching Transformer

Precision built matching transformer. 250, 500 and 1000 ohm primary. 10 and 20 ohm secondary. Freq. response flat within 1 db from 20 to 20,000 cps. Max. oper. level +35 db (19 watts, 6 mw reference). Case dimensions 3 1/2" x 3 3/4" x 4 1/4". Complete with a flanged mounting plate 4 1/2" x 3 3/4". Shpg. wt. 7 lbs.

K19326—TL262
Your Cost.....\$17.64



Model TL217A Output Transformer

Insures high quality output. 6600 ohm c.t. pri., 10 and 20 ohm sec. Response flat within 1 db from 20-20,000 cps. Max. oper. level +35 db (19 watts, 6 mw ref.). Max. pri. DC 65 ma. Primary winding DC unbalance should not exceed 7 ma, 3 1/2" x 3 3/4" x 4 1/4". Shipping weight 6 lbs.

K19327—TL217A
Your Cost.....\$17.64



speakers, projectors and accessories

Parabolic Baffles by ATLAS

The new all-steel "Armor Plate" parabolic baffles will resist the severest type of field service. They are practically impossible to dent or damage. All holes required for securely fastening the speaker unit in place are punched accurately in position at the factory. Cadmium plated speaker mounting bolts are supplied as well as hanging loops for suspension. Attractively finished in a baked blue-gray weather resistant enamel. All models incorporate the new exclusive vibration-proof interlocking watertight seal between sections. Eliminates rain leakage at the seam where the front bell and rear housings are joined. Less speaker.



Stock No.	Model No.	Bell Diam.	Length Inches	Speaker Size	Your Cost
K20061	SM-6	12"	10 1/2"	6 inch	\$5.88
K20062	SM-8	18"	14"	8 inch	7.06
K20054	SM-12	20"	18"	12 inch	7.94

Super-Power Driver Units

Entire magnetic assembly is hermetically sealed in a two-section aluminum housing, offering a perfect insulation against moisture, dust or corrosion. In addition to the Seald-Tite construction, special electro-chemical finishes are applied to the internal construction and all painted surfaces are chemically treated. The diaphragm is entirely constructed of a thermal-setting phenolic. Voice coil is also a phenolic material. Sturdy shockproof construction. Each unit is pre-tested for efficiency, frequency response, etc. Average power capacity 25 watts.

Stock No.	Model	Freq. Response	VC Imped.	Wt.	Diam.	Each
K21308	PD5	80 to 6000 cps.	16 ohms	6 1/2 lbs.	4 1/2"	\$21.76
K21309	PD8	60 to 7500 cps.	16 ohms	10 1/2 lbs.	5 1/2"	29.40

ATLAS DR Projectors

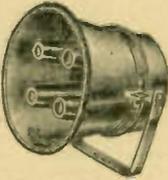
High efficiency exponential air column type projectors. Ultra compact and easy to install. The frequency response is uniform over the entire useful audio spectrum. The directional characteristics and total absence of rear sound generation minimizes feedback or acoustic "howl." Adverse or cross-wind conditions which normally disperse low intensity sound projection have little effect on the soundbeam emitted by these high velocity output projectors.



No.	Model	Air Column	Low. Freq.	Length	Diameter	Weight	Each
K20070	DR-32	2 ft. 8"	175 cps.	12 in.	13 1/2 in.	7 1/2 lbs.	\$12.05
K20071	DR-42	3 1/2 ft.	135 cps.	14 1/2 in.	20 in.	9 lbs.	15.88
K20073	DR-54	4 1/2 ft.	105 cps.	18 in.	25 in.	12 lbs.	23.52
K20074	DR-72	6 ft.	85 cps.	25 in.	30 in.	17 lbs.	35.28

University Super Power Speakers

The Model 4A4 has 4 driver units on the back of a heavy castmounting plate. The 4 air columns feed into a common bell. Completely waterproof. Mounted by swivel joints which can be locked in any position. May be used with a tripod or with a "U" bracket alone. 100 watts; 4, 16, and 60 ohms impedance. Dia. 16". Length 17". Wt. 42 lbs.



K20098—Your Cost Ea. \$179.34

UNIVERSITY Accessories

Tripod will support anydirectional trumpet. Withstand wind pressures of 50 MPH. 2 styles available. Connector can be used for connecting any 2 driver units to any trumpet. Adapter attachable to "U" bracket for mounting any trumpet on pipe fittings.



K20083—TS-6 Tripod, Ea. \$23.52
K20084—TS-10 Tripod, Ea. 23.52
K20086—PMA Adapter, Ea. 88c
K22573—2YC Connector, Ea. 5.88

Car-Top Horn Carrier

Doubly secured by straps that anchor to the drip rail over the doors by means of rubber covered hooks. For all steel car-tops or for steel tops with fabric center up to 41 1/4" wide. Easy to install. Size: 6x46 1/2", wt. 8 lbs.

K20085—Your Cost. \$4.31
As above, but 8" wide. \$4.63

Baffle Mounting Fixture

Offer easy convenient mounting for parabolic baffles on sound trucks, walls, and other surfaces. Bracket constructed for heavy surface, includes large wing nut for adjustment. K20095—Fixture and base.



Your Cost. \$2.79
K20097—Fixture and swivelonly Your Cost \$1.76

Pipe Stanchion Fitting

DR projector brackets can be adapted to 1/2" pipe fittings. The cast iron adaptor has holes properly located to match holes in a "U" bracket. All mounting bolts are supplied. Finished in gray shrivel. Female 1/2" pipe thread. Solidly cast. Will take plenty of punishment.

K20094—Pipe Stanchion Fitting Your Cost. \$1.18

UNIVERSITY IB-8 "Booster" Speaker

Compact intercommunicator speaker. Clear sound output overcomes industrial factory background noises. "Booster" effect of speaker gives same results as added "booster" amplifiers. Impedance 8 ohms; power capacity 12 watts. Bell 7 1/2" dia., depth 7 1/2". With mtg. bracket and rubber rim. Shpg. wt., 4 lbs.



K19348—Your Cost. \$17.64
Model MIL: Compact, 5-watt version of above. Ball-and-Socket mounting. Dia. 6 in. Length 7". Shpg. wt. 4 1/2 lbs.

K20093—Your Cost Each
Model CR-4: Heavy duty model, similar to above, that has a power capacity of 20 watts. Voice coil impedance 8 ohms. Bell 11" dia., depth 8". Shpg. wt. 8 lbs.
K24015—Your Cost. \$24.70
K19359—Model CR-16, same as CR-4 but 16 ohms. \$24.70
Your Cost.

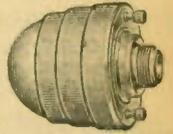
\$14.70

\$24.70

\$24.70

UNIVERSITY Driver Units

Built to the highest standards of electrical and mechanical tolerances. All employ Alnico magnets to insure peak efficiency. Other features include: rim centering for perfect alignment and greater efficiency; breakdown proof diaphragm suspension; heat dissipating voice coil; sealed diaphragm construction makes the balance of the unit waterproof. Standard thread fits all standard projectors.



Stock No.	Model No.	Cap. Watts	V.C. Imped.	Range C.P.S.	Shpg. Wt.	Your Cost
K21305	MAH	12	8 ohms	100-6000	3 1/4 lbs.	\$14.70
K21301	SAH	25	15 ohms	70-5000	6 lbs.	21.76
K21302*	PAH	25	15 ohms	60-5500	12 lbs.	31.16

* Heavy duty model; relative acoustic output 93.

UNIVERSITY 360° Radial Projectors

New type ceiling baffles that combine pleasing appearance and compact construction with the rich tone quality of large, well designed wall type enclosures. "Infinite Baffle" sealed acoustic chamber is responsible for the added bass response afforded. Give uniform coverage in all horizontal directions (360°). Easily mounted; single point suspension. Projection angle is about 15° down for most effective sound placement. Other features: All Metal weatherproof construction; "rubber tire" rims; "floating rubber" cone mounting; back pressure "breathers." Less speakers.



No.	Model	Cone	Diam.	Height	Weight	Each
K24016	RBP8	8"	17"	8"	15 lbs.	\$11.52
K24017	RBP12	12"	26"	10"	27 lbs.	20.58

UNIVERSITY Reflex Projectors

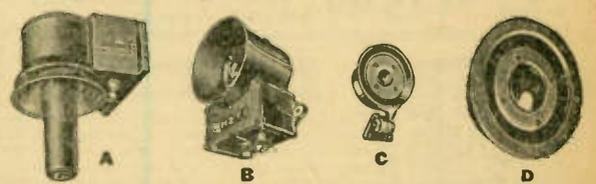
High efficiency exponential air column type projectors with heavy-gauge all-metal spun horns. Ultra compact and easy to install. Incorporate design features that insure superior acoustic results. Non-resonant rubber rims with each unit. Easily handle 25 watts of audio power. All furnished complete with universal "U" type mounting bracket. Finished in battleship grey. All are 100% waterproof—suitable for outdoor use. Less driver units (listed below).



Stock No.	Model No.	Bell Dia.	Length In.	C.P.S. Cutoff	Shpg. Wt.	Your Cost
K20045	SMH***	15 1/2"	12"	200	7 lbs.	\$12.05
K20049	PH*	20"	15"	150	11 lbs.	16.17
K20047	LH**	25"	18 1/2"	120	16 lbs.	26.17
K20092	GH****	30"	25"	85	23 lbs.	35.28

* Acoustic length 42"; ** 54"; *** 30"; **** 72".

Speakers for Industrial Applications



Special speakers for special applications. Type "A" and "B" are submergence and explosion-proof speakers. Type "C" and "D" are railroad and marine units shown with and without flanges for flush panel mounting. "E" is a connector for connecting drivers to any trumpet.

No.	Type	Mtg. Type	Imped.	Freq. CPS	Dimensions	Wt.	Watts	Cost
K22567	A	Screw Mtg.	16 ohms	250-6000	10 1/2 x 8 1/2 x 7 1/2	12 lbs.	15	\$38.22
K22568	B	Screw Mtg.	16 ohms	300-6000	10 1/2 x 8 1/2 x 7 1/2	9 lbs.	15	38.22
K22569	C	Swivel	8 ohms	400-8000	3 1/4 x 4 1/4 OD	2 1/2 lbs.	8	14.11
K22570	C	Swivel	16 ohms	300-8000	3 1/4 x 4 1/4 OD	5 1/2 lbs.	15	21.76
K22571	D	Flush	8 ohms	400-8000	2 1/4 x 6 1/2 OD	2 1/2 lbs.	8	14.11
K22572	D	Flush	16 ohms	300-6000	3 1/4 x 7 OD	4 lbs.	15	21.76

HICKOK test equipment

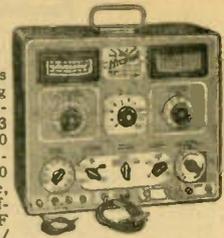
HICKOK Model 534 All-Purpose Tube and Set Tester



A portable tube and set tester incorporating a complete high-sensitivity analyzer unit. The tube tester features are the same as the 532 listed below. In addition, the set tester measures volts, ohms, ma., capacitance, inductance, leakage and decibels. Voltage ranges: 0/20/200/500/1000/5000 volts AC and DC. Sensitivity of 20,000 ohms per volt DC; 1000 ohms per volt AC. Resistance: 1 ohm to 100 megs in 3 overlapping ranges. No batteries needed. Capacitance: .0001 to 100 mfd. in overlapping ranges. Checks leakage with or without DC component. Inductance up to 100 henries DB ranges: -10 to 50 db. $4\frac{1}{2}$ " meter scale. Tubes: 1-83, 1-5Y3, 2-6H6. Panel: 2-tone satin chrome finish. Power supply 110-130 volts, 50-60 cycles. $17\frac{1}{2} \times 8\frac{1}{2}$ ". Wt. 35 lbs.

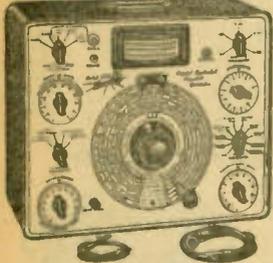
K21584—Your Cost..... **\$135.53**

HICKOK Model 288X X'tal Controlled Signal Generator



Specifically designed to meet the varied needs of the radio engineer and service man working with FM, AM and Television receivers. Complete frequency modulation coverage with 3 variable bandwidths of sweep: 0/30/150/450 KC. Frequency modulation at 2 self-contained modulating frequencies, 60 and 400 cycles. Provisions for external amplitude, frequency modulation to 15,000 cycles. Self-contained db meter. Amp. modulated RF ranges: 100-300 kc/300-850 kc/850-2200 kc/2.2-6.5 mc/6.5-20 mc/20-50 mc/50-110 mc. Freq. modulated RF ranges: 0-30 kc sweep, 100kc-110 mc, in 7 ranges, 0-150-450 kc sweep, 1 mc-160 mc in 7 ranges. Db: -10 to 6, 6 to 22, 22 to 38. $14\frac{1}{2} \times 16\frac{1}{2} \times 8\frac{1}{2}$ ". K21583—Your Cost, Complete With Cables..... **\$141.71**

HICKOK Model 191X Crystal Controlled Microvolt Signal Generator



An accurate and dependable source of calibrated, modulated or unmodulated RF test voltages from 125 kc to 120 mc. Internal vacuum tube voltmeter permits direct calibration of RF output from $\frac{1}{2}$ microvolt to 100,000 microvolts on all ranges. AF from 0 to 2 volts. Provision for external amplitude modulation from 50 to 10,000 cycles. Self-contained db output meter. Variable RF oscillator frequency range: 125-325 kc/325-890 kc/890 kc-2.4 mc/2.4-6.9 mc/6.9-20 mc/20-70 mc/70-120 mc/140-240 mc. RF oscillator frequency range, crystal controlled: 100 kc with harmonics to over 15 mc and 1000 kc with harmonics to over 125 mc. AF oscillator 400 cycles. Meter ranges: -10 to +6, +6 to +22, +22 to +38. Modulation can be varied from 0 to 70 percent. 4 tubes: 2-6SN7, 1-6C4, 1-6X5. A large 8-inch dial with over 100 inches of calibrated scale distributed over its surface. Output impedances vary from 5.6 ohms at 10 microvolts to 100 ohms at 100,000 microvolts. Operates on 105-125 volts, 50 to 70 cycles AC only. Metal case, $14\frac{1}{2} \times 16\frac{1}{2} \times 8\frac{1}{2}$ ". Shpg. Wt. 31 lbs. K21582—Your Cost..... **\$143.00**

HICKOK Model 532P & 532C Dynamic

Mutual Conductance Tube Testers

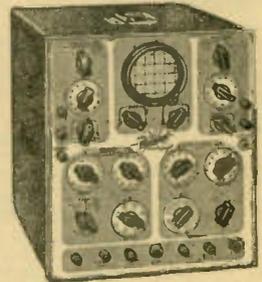


This tester duplicates the method used by tube manufacturers in their laboratories. Easy-to-read scales have micromho ranges of 0-3000/6000/15000 in addition to markings "Replace" "Doubtful" and "Good". A gas test

provision quickly checks tubes which are ruinous and speedily eliminates gassy tubes. Highly sensitive noise test detects RF disturbances, and locates shorts—hot or cold. Diodes are tested separately at low voltage to prevent paralysis of the elements. Tests all present-day tubes including octal, loctal, miniatures, ballast, and magic eye tubes. Tested and approved by expert technicians. Choice of engineers. Uses rectified current to energize plates and grids. Panel is modern and legible, finished in satin chrome. Roll chart in the panel makes tube data easily available. Will also check grid-controlled rectifier tubes. Continuity checks can be made by a special new feature of design. Tubes: 1-83, 1-5Y3. Normally operates on 110-130 volts, 50-60 cycles. Other voltages or cycles available. Size $17\frac{1}{2} \times 8\frac{1}{2}$ ". Manufactured in two models for both counter and portable usage. Shpg. wt. 34 lbs. Complete with line cord and tube cap connector. Indicates accurately line voltage on meter from 100 to 130 volts.

K21592—Type 532P (Portable) K21593—Type 532C (Counter Type) Your Cost, Either Type..... **\$118.78**

HICKOK Model 305 Oscilloscope

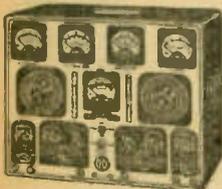


Specifically designed for use with frequency modulated, amplitude modulated and television equipment. Permits a complete visual analysis of the electrical and electronic circuits of the IF and RF bands as well as the AF stages. Effectiveness of a tube or circuit as an amplifier, rectifier or source of special wave shapes may be readily determined. Oscilloscope may be used as a quick and easy means of determining unknown frequencies. Special features include a wide band, high gain amplifier from 30 cycles to 1 mc; self-contained wide band frequency modulated oscillator with variable sweep width from 0 to 450 kc; self-contained narrow band FM oscillator with sweep width of 0 to 30 kc; self-contained demodulator for tracing signal through RF and IF stages; self-contained mixer circuit; high sensitivity amplifiers, calibrated screen. Deflection sensitivity .2 volts (RMS)/inch vertical; .3 volts (RMS)/inch horizontal. Input impedance 1 megohm, 25 mmfd. Frequency range: Linear sweep, 10 cycles to 25 kc. 105-125 v., 50-70 cycles AC only. $14\frac{1}{2} \times 11\frac{1}{2} \times 9\frac{1}{2}$ ". Shpg. Wt. 34 lbs. K21591—Your Cost..... **\$142.59**

HICKOK Model 435 Volt-Ohm-Milliammeter



The Hickok Model 435 volt-ohm-milliammeter has a sensitivity of 20,000 ohms per volt on both the AC and the DC ranges. An output jack is readily available for all of the AC volt ranges. The instrument employs a 4" meter for greater readability and accuracy. AC ranges are: 0-2.5/10/50/250/1000/5000 volts. The DC ranges are: 0-2.5/10/50/250/1000/5000 volts. An unusually versatile instrument. Four ranges are provided for measuring ohms from 0 to 10 megohms. Will measure DC microamperes on a 0 to 50 microamp scale. DC Milliamperes: 0 to 10 amps DC. Three decibel scales are also provided. The ranges are: -20 to +3, -8 to +15, +6 to +29. Test leads are provided with the instrument. This is an extremely useful instrument in its price field. The case measures $5\frac{1}{2} \times 8\frac{1}{2} \times 3\frac{1}{2}$ ". Shipping Weight 9 lbs. K21590—Your Cost..... **\$45.57**



HICKOK Model 156 Indicating Tracemeter

The indicating tracemeter has been designed to provide not only a means of rapidly locating troubles in radio and television receivers but also to facilitate the alignment and provide a means of checking the overall or individual stage performance of such electronic equipments. 5 precision meters provide 7 simultaneous measurements without affecting normal operation. Frequency ranges: RF-IF low freq: 95-240/240-600/600-1700 kc, Oscillator, High Freq: 540-1500 KC/1.5-4.6/4.6-13 MC. AF voltmeter: 20-20,000 cycles. DC Volts: 0-2.5/5/25/50/250/500, plus or minus. RF-IF volts in microvolts: 0-5K/25K/100K. Volts .5/2.5/10/25. OSC. High Freq. Volts: .3/1.5/7.5/30/150/750. AF Volts: 0-1/1/10/100/500. Wattage Range: 0-150 watts. For 105-125 volts, 50-70 cycles AC only. $14\frac{1}{2} \times 16\frac{1}{2} \times 11\frac{1}{2}$ ". Shpg. Wt. 34 lbs.

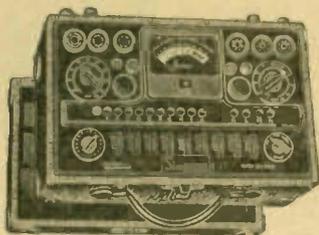
K21589—Your Cost, Complete With Cables..... **\$141.12**

HICKOK Model 203 Volt-Ohm-Capacity Milliammeter



An excellent universal test instrument for all radio and electronic service work in manufacturing plants and laboratories or wherever required. Will accurately measure wide ranges of inductances, capacitances, resistances, currents and voltages, AC and DC. Ranges: Volts: 0-3/12/30/120/300/1200, AC and DC. DC Ma.: 0-3/12/30/120/300/1200. Capacity: 0-10,000 mmfd in 2 ranges. 0-1000 mfd. in 5 ranges. Inductance: 50 mh-100 Henrys. Ohms: 1 ohm to 10,000 megohms in 7 ranges. AC up to approx. 5 megs may be measured. Input impedance: 12 to 15 megohms. Shielded cables for voltage measurements permanently attached to the instrument, in addition to 2 unshielded cables for ohmmeter and milliammeter measurements $9 \times 11\frac{1}{2} \times 7\frac{1}{2}$ ". Shpg. Wt. 15 lbs. For 105-125 v., 50-70 cycles only. K21510—Your Cost..... **\$78.20**

SIMPSON Model 330 Mutual Conductance Tube Tester



Dynamic mutual conductance tester provides comparison of tube under test against standard rated micromho value by means of a direct reading dial. $4\frac{1}{2}$ " meter with a "Percentage of Mutual Conductance" scale. Neon glow tube to indicate shorts. Sockets provided for all types of tubes. Revolutionary Automatic Reset; just press reset button and instantly all switches return to normal automatically. Tubes are tested with voltages applied automatically over entire operating range. $15\frac{1}{2} \times 9\frac{1}{2} \times 6\frac{1}{4}$ ". Shpg. wt. 16 lbs.

K21621—Your Cost.....\$96.53

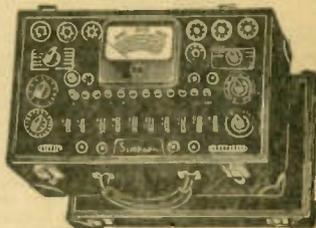
SIMPSON Model 415 Signal Generator



Complete signal generator for AM FM, with controlled RF output through entire range, eliminating necessity for separate connection for high uncontrolled output. High fidelity modulation up to 100% from below 60 cyc. per sec. to over 10 kc per sec. Modulation from 0 to 100% using either 400 cycle internal sine wave or external source. A range of 0 to more than 20 volts is available for external use, calibration purposes, or for independent uses. Direct reading dial with continuous coverage from 70 kc to 130 mc in the following ranges: 75/200; 200/600; 600/1750 kc., and 1.5/4.5; 4/15; 14/30; 29/65; 58/130 mc. Enclosed in a steel case, copperplated for shielding, finished in black durable wrinkled enamel. Rotating turret coil used as a band selector. Low-loss RF coils individually calibrated. Coils and tuning condenser individually shielded. $5\frac{1}{2} \times 11\frac{1}{2} \times 15\frac{1}{4}$ ". Shpg. wt. 22 lbs.

K21622—Your Cost.....\$112.70

SIMPSON Model 445 Plate Conductance Tube and Set Tester



A portable shop, combines plate conductance tube tester and wide-range volt-ohm-milliammeter. Automatic Reset instantly returns all push button and rotary switches to normal position. Current from 1 microampere to 500 milliamperes. Resistances are from $\frac{1}{2}$ ohm to 20 megohms. Voltmeter: 0/2.5/10/50/250/1000/5000 at 20,000 ohms per volt DC, 1000 ohms per volt AC. Milliamps 0/10/100/500. Microamps 0/100. Decibels in five ranges from -10 to +52 db. Output: 2.5/10/50/250/1000/5000 AC volts. Ohms: 0/2000/200,000/20 megohms. $4\frac{1}{2}$ " meter insures accurate readings. $15\frac{1}{2} \times 9\frac{1}{2} \times 6\frac{1}{4}$ ". Shpg. wt. 12 lbs.

K21623—Your Cost.....\$107.80

SIMPSON Model 240 "HAMMETER" AC DC V-O-M

The Hammeter was designed to check unusually high voltages and all component parts of radio transmitters and receivers. Completely self-contained, needing no external multipliers, with a sensitivity of 1000 ohms/volt & maximum voltage range of 3000 volts AC or DC. Has all the useful ranges needed to do an all-around servicing job. All components and sub-panel mounted, directly on panel. Movement has bridge-type construction, iron pole pieces. Resistors matched to insure greater accuracy. Test leads furnished (3000 volts tested) and fitted with rubber guarded alligator clips. Ranges: 0/15/150/750/3000 AC volts; 0/15/75/300/750/3000 DC volts; 0/15/75/300/750 DC milliamperes; 0/3000/300,000 ohms. 1000 ohms per volt AC and DC. Housed in an attractive molded bakelite case. Panel figures engraved and filled with white enamel. $3 \times 5\frac{1}{2} \times 2\frac{1}{2}$ ". Shpg. wt. 3 lbs.

K10485—Your Cost.....\$25.97



SIMPSON Model 260 Set Tester

A high-sensitivity tester for all servicing jobs. At 20,000 ohms/volt, this instrument is as sensitive as any other instrument in its price range. Practically negligible current consumption assures remarkably accurate full scale voltage readings. Current readings as low as 1 microampere and up to 500 ma. are available. Tests up to 20 megohms, as low as $\frac{1}{2}$ ohm. Measures automatic frequency control diode balancing circuits, grid currents of oscillator tubes, bias of power detectors, ave diode currents, rectified r current, high-mu triode plate voltage. Ranges: (Volts, AC and DC) 2.5/10/50/250/1000/5000. AC ranges 1000 ohms per volt, DC 20,000 ohms per volt. Output ranges same as for voltage ranges. DC ma. 10/100/500. Microamps 100. Ohms 0-2000/.2 meg/20 mega. 5 DB ranges -10/+52 db. $5\frac{1}{2} \times 7 \times 3\frac{1}{2}$ ". wt. $4\frac{1}{2}$ lbs.

K21713—Your Cost.....\$38.17



SIMPSON Model 230 AC and DC V-O-M

This is one of the smallest AC-DC service instruments on the market, yet contains an sufficient number of ranges to enable a technician to do a complete servicing job on average radio equipment. Entire case, including front panel, is of molded bakelite for more complete protection against high voltages. Has full size 3" meter for easier reading. Test leads furnished with instrument. Ranges: 0/10/250/1000 AC volts; 0/10/50/250/1000 DC volts; 0/10/50/250 DC ma; 0/1000/100,000 ohms. Resistors for different ranges matched in pairs to insure accuracy for all ranges. Can easily be carried in overcoat pocket. Only 3" wide, $5\frac{1}{2}$ " long, $2\frac{1}{2}$ " deep and weighs two pounds. Front panel is engraved and figures filled in with white enamel for greater readability. All component parts and the sub-panel are mounted on the bakelite panel. Single bar-knob facilitates switching. Shipping weight 3 lbs.

K21624—Your Cost.....\$24.25



SIMPSON Model 321 Giant Set Tester

Large 7-inch meter incorporating fifty ranges in 2 colors; DC scales in black, AC red. Test leads insulated for 3000 volts. All voltage ranges have resistance of 1000 ohms/volts. Will measure .1 volt direct reading. Ranges: (Volts, AC and DC) 0/3/7.5/30/75/150/300/750/1500/3000. All AC voltage ranges are available for output measurement. Ma. ranges (DC only): 0/1.5/7.5/15/75/300/750. DC Amp: 0/15. Ohms: 0/2000/20,000/200,000/2 megohms/20 megohms. Microfarads: 0/0.05/.5/50. Decibels in seven ranges from -20 to 48 db. Housed in an attractive molded bakelite case. Panel is of anodized aluminum with silver etched characters, arranged for quick choice of ranges. Case for entire instrument is steel with black wrinkle finish. Meter pointer knife-edged to insure correct reading of values. Single bar-knob control for easy switching from one range to another. Size $11\frac{1}{4} \times 8\frac{1}{2} \times 4\frac{1}{4}$ ". Shpg. wt. 15 lbs.

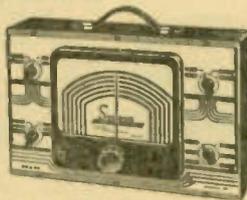
K21625—Your Cost.....\$58.31



SIMPSON Model 315 Signal Generator

Complete signal generator designed to most minute detail for highest accuracy, stability, minimum leakage, good wave form. Big 9" meter type dial with knife edge pointer for easier reading. Vernier control permits close settings. Electron-coupled circuit assures extreme stability throughout the band. Three tubes are used in the circuit—full-wave rect. modulator, and osc. Standard 30% modulation at 400 cycles is used. Signal is controlled through step attenuator of the ladder type. RF output from $\frac{1}{2}$ microvolt to .1 volt and approximately 400 cycle output from 0 to 5 volts. Bands: 6 RF coils provide ranges of 75/200; 200/600; 600/1700 kc. 1.5/4.5; 4/12; 10/30 mc. Coils, attenuator and signal selector individually shielded. Line cord shielded to reduce leakage to absolute minimum. Each coil individually calibrated. $16 \times 10 \times 6$ ". Shpg. wt. 20 lbs.

K21626—Your Cost.....\$66.00



SIMPSON Model 305 Tube Tester

Versatile tube tester provides filament voltages from .5 up to 120 volts. Tests locals, bantams, midjets, ballasts, gaseous rectifiers, acorn tubes, Christmas tree bulbs and all popular radio tubes. New method of 3 way switching makes it possible to test any tube regardless of its base connections or the internal connections of the elements. No adapters or special sockets required. Provides for line adjustment from 100 to 130 volts with smooth vernier control. Large fan-shaped meter has exceptionally long scale. Incorporates latest improved circuit. Mounted in attractive leatherette case with handle for carrying. Simplified instruction book and tube charts in book form carried conveniently in cover. Dimensions: $8 \times 10\frac{1}{2} \times 5\frac{1}{2}$ ". Shipping wt. 12 lbs.

K21627—Your Cost.....\$45.32



test equipment



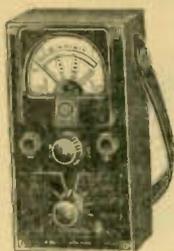
CHICAGO Model 433 Volt-Ohmmeter

This super-high sensitivity volt-ohmmeter employs a 3" square 50 microampere meter movement to maintain a sensitivity of 20,000 ohms per volt on all voltage ranges. Range selection is accomplished by means of toggle switch and jacks. Set in black wrinkle

finish steel case, 5 7/8" x 3 1/4" x 3". Test leads furnished. Four volt ranges, four ohm ranges insure complete coverage for most test applications. Ranges: 0-3/30/300/600 DC volts; Five useful resistance ranges indicating in ohms full scale: 5000/50,000/500,000/5,000,000; ohms center scale: 70/700/7000/70,000. Wt. 5 lbs.

K21501—Your Cost, Complete.....\$23.40

CHICAGO Model 431 AC-DC Volt-Ohm-Milliammeter

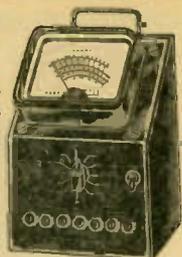


This multimeter employs a sensitive 425 microampere movement. A copper-oxide rectifier is incorporated to provide accurate AC measurements. All multipliers are bridge selected within one percent. Inclosed standard 1 1/2 volt flashlight cell supplies testing current. Test leads are furnished. The instrument is set in a black wrinkle metal case 5 1/2" x 2 1/4" x 2 1/4".

Polarized jacks and rotary range switch facilitate instantaneous range selection. Aluminum panel. Range: 0-30/300/1500 DC volts; 0-15/150 AC volts; 0-150 DC ma. Case has a "Dot" snap-on carrying strap. Wt. 5 lbs.

K21503—Your Cost.....\$15.34

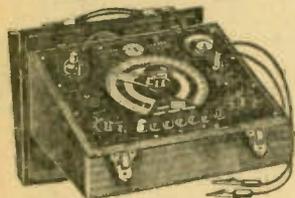
CHICAGO Model 458 Multi-Meter



This versatile instrument employs a large 5 1/2" rectangular meter, set at a 45° angle. A copper-oxide rectifier is used to insure AC range accuracy. All multipliers are bridge selected within 1%. Range selection is accomplished by means of polarized jacks, rotary switch, toggle switch. The treated aluminum instrument panel is mounted on a welded steel brown wrinkle case. Ranges: 0-5/10/50/100/500/2000 DC volts; 0-12.5/25/125/250/1250 AC volts; 0-1/10/100 DC ma; 0-2.5/25/250 AC ma; 1000/200,000/2,000,000 ohms; output -5 to +55 db; Steel case, black wrinkle finish, 10 1/2" x 6 1/4" x 5 1/4". Wt. 10 lbs.

K21513—Your Cost.....\$26.00

CORNELL-DUBILIER BF-50 Capacitor Analyzer



For measuring all important characteristics of capacitors. This instrument incorporates a Wien bridge oscillator with a single stage of amplification. A visual eye indicator is used for measurements. A 60 cycle 110 volt power supply is built into the equipment for use in making leakage and insulation resistance tests. Paper, air, mica and electrolytic capacitors ranging from .00001 to 240 mfds. can be measured with accuracy. The analyzer measures power factor and checks for shorts, opens, etc. Uses 1-12A7 and 1-6E5. Comes in walnut portable case, 6 1/2" x 12 x 9 3/4". Shipping Weight 11 lbs. Less tubes.

K21727—Your Cost.....\$34.08

CHICAGO Model 450 Volt-Ohm-Milliammeter



Combines compactness and accuracy in original unique design. 1 ma meter movement provides 1000 ohm/volt sensitivity on all voltage ranges. 0-5/10/50/500/1000 DC volts; 0-1 DC ma; ohms full scale: 5000/50,000/500,000; ohms center scale: 30/300/30,000. Wt. 3 lbs.

K11450—Your Cost.....\$9.75

CHICAGO Model 451 AC-DC Volt-Ohmmeter



Sensitivity of 1000 ohms/volt on all volt ranges: 0-10/50/100/500/1000 DC; 0-10/50/100/500/1000 AC. Ohms full scale: 500,000. Ohms center scale: 7200. Fixed cond. in series with rectifier controls AC output measurements. Shpg. wt. 2 1/2 lbs.

K21522—Your Cost.....\$13.65

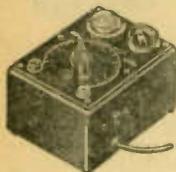
BOES Signal Tracer Probe



Connected to any amplifier, this signal tracer probe will quickly locate that part in the defective radio set that needs replacing. The probe is encased in a high impact bakelite housing that fits your hand. The connector is shielded and long enough to reach all parts of the radio set. A separate three prong receptacle is included so that it can be wired into your amplifier. This probe, incorporating the best design features of commercial type probes, eliminates the necessity of buying a combination probe and amplifier. Start at the antenna and trace through the mixer, IF stages, second detector, audio stages, and output. When the signal ceases in your amplifier, you have located the defective circuit. This is primarily an excellent instrument developed to easily locate defective parts. Fast servicing. Shipping Weight 2 lbs.

K21515—Model 103 Your Cost.....\$7.77

CORNELL-DUBILIER BN Capacitor Bridge



With speed and accuracy this bridge measures all capacitors ranging in size from .00001 to 50 mfds. A Wien bridge circuit provides

excitation and a tuning eye is employed to indicate a balanced condition. Direct reading scale indicates measured capacity. Power factor, shorts, and opens can be checked easily. Two vacuum tubes are used: 1-12A7 and 1-6AF6G. Comes in walnut bakelite case, 3 1/2" x 5 x 3". Test leads and instructions are furnished. Operates from 110 volt, 60 cycle line. Weight 4 lbs. Less tubes.

K21728—Your Cost.....\$13.54

CHICAGO 452 Volt-Ohmmeter



10,000 ohms per volt is provided by the 100 microampere meter movement. A rotary switch and enclosed jacks simplify range selection. Volts DC: 0-10/50/100/500/1000; ohms full scale: 200/20,000/200,000/2,000,000. Ohms center scale: 30/300/3000/30,000. Shpg. wt. 3 lbs.

K21524—Your Cost.....\$13.65

RADIO CITY Model 705 Signal Generator



This newly designed instrument features constancy of calibration and output, and high freq. range, 95 kc to 100 mc in range, continuously variable. Calibration accurate to 2% through broadcast bands, 3% for high freq. bands. Internal 400 cyc. mod. sine wave available for external use. 2 degrees of modulation—30 and 80% approx. Automatic shorting of all coils not in use and individual shielding of each circuit. 5 step attenuator controls output. Overall steel case, chassis, panel, 8 x 11 1/4" x 5". Shipping Weight 11 lbs.

K21720—Model 705 Your Cost.....\$48.51

CORNELL-DUBILIER Capacitor Decades



C-D Capacitor Decades provide accurate standards over a wide range of capacity. May be used in set of three decades or used individually for maximum flexibility. Rated at 600 volts DC, 220 volts AC ±5% tolerance. Average shipping weight 4 lbs. each. Calibration chart for exact capacity values with each decade.

CDA-5 .011 mfd in .0001 steps—Mica

K21729—Your Cost.....\$7.39

CDB-5 1.1 mfd in .01 steps—Oil-Paper

K21730—Your Cost.....\$7.39

CDB-3 1.1 mfd in .01 steps—Oil-Paper

K21697—Your Cost.....\$9.45

CDC-5 10 mfd in 1 mfd steps—Oil-Paper

K21731—Your Cost.....\$13.13

CDC-3 10 mfd in 1 mfd steps—Oil-Paper

K21699—Your Cost.....\$15.19

SIMPLEX Model 312 Volt-Ohm-Milliammeter



Combination AC-DC hair-spring meter. Testing current is obtained from any convenient AC or DC outlet through power cord furnished. 0-25/50/125/250 volts AC and DC. 0-50 ma AC and DC. 100,000 ohms full scale. 2400 ohms center scale. Wt. 2 1/4 lbs.

K11445—Your Cost.....\$5.88

Model 371 SIMPLEX Meter



Permanent magnet iron vane, solenoid type meter. Ranges are selected by means of phone tip jacks. Ranges: 0-3/15/30/300 DC volts; milliamps: 0-25; ohms full scale: 10,000. Two standard flashlight cells supply testing current. Shipping Weight 2 1/2 lbs.

K11452—Your Cost.....\$4.56

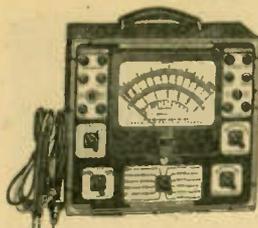
RADIO CITY Model 802-N Combination Tube and Set Tester



A complete tube tester and a complete set tester combined, with only 5 simple switches to operate both. Ranges: DC-AC volts—0-10/50/500/1000 at 1000 ohms/volt.; 0/1/10/100/1000 ma DC; 0/10 amps DC; db—minus 8 to 55; 4 range output meter same as AC volts. 4 1/2" rectangular meter, protected against burnout by special fuse. Tests old and new type tubes, ballast tubes, shorts, noise, leakage, etc. In handsome hardwood case, 12 1/4" x 12 x 5 1/4". Complete with self-contained batteries. For 115 v.—60 cycles AC. Shpg. wt. 11 1/2 lbs.

K21641—Model 802-N Your Cost.....\$58.31

PRECISION Series EV-10 Vacuum Tube Multi-Range Tester



Zero-center VTVM, megohmmeter, milliammeter, ammeter, output and db meter. Sensitivity of 1000 ohms/volt, AC and DC. Ranges: zero-center DC volts + and - 3/6/12/60/300/600/1200/6000; DC and AC at 1000 ohms/volt 0-3/6/12/60/300/600/1200/6000; DC current 0-600 microamps, 0-3/12/60/300/1200 ma, 0-12 amps; db -26 to +70; 8 AC output ranges: 0-2000 ohms/0-200M ohms/0-2/20/200/2000 megohms. 8 1/2-in. meter. Regulated power supply. In black ripple finished steel case, 10 1/2 x 12 x 6". With tubes, battery, test

- probes. Wt. 20 lbs.
K21765—Model EV-10MCP. Your Cost, Complete \$68.41
 Model EV-10P as above, in walnut fin. portable case.
K21766—Your Cost \$70.37
 Model EV-10PM is EV-10MCP removably inserted into steel panel 12 1/2 x 19" for rack mounting. Wt. 26 lbs.
K21709—With dust cover. Your Cost \$72.33
 Series RF-10 Vacuum Tube Probe—accessory to series EV-10, flexible shielded probe in bakelite housing, provides direct means for measuring RF, UHF voltages. Shpg. wt. 2 lbs.
K21784—Complete with instructions. Your Cost \$13.04

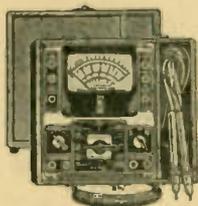
PRECISION Series 920 Set Tester

Combines a transconductance type tube tester, a battery tester, and a 33 range AC-DC set tester. Tests all latest type tubes with filaments ranging from 1.4 to 120 volts. Tests A, B and C batteries 1.5 to 135 volts under actual load conditions. Check for open elements, hot cathode leakage, noise, shorts, etc. Ranges: AC-DC 1000 ohms/volt: 0/12/60/300/600/1200/3000 volts; DC current: 0/1.2/12/120/600 ma; 0-12 amps; 0-400/100,000 ohms; 0-1/10 megohms; db from -10 to +64. Employs large 4 1/2" square meter, metal case 10 1/2 x 12 x 6". Wt. 21 lbs.



- Model 920-MCP \$80.58**
 K21701—Your Cost
 Model 920-P—In walnut finish portable case, 12x13x6". Complete with battery, test leads and instructions.
K21700—Your Cost Complete \$82.54
 Model 920-PM is Model 920-MCP inserted into steel panel with dust cover for rack mounting, removable. Wt. 27 lbs.
K21695—Your Cost \$84.50
 Model 920-C as above, but in modern chrome trimmed, counter type steel cabinet. Size 16x13 1/2 x 7". Slopes 3" at front. Complete and ready to operate. Wt. 22 lbs.
K21692—Your Cost \$84.50

PRECISION 856-P Multi-Range Tester

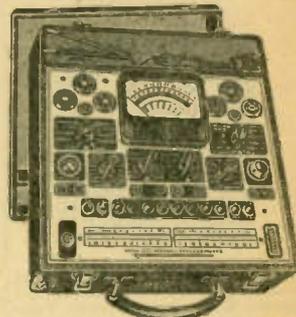


For industrial, laboratory, and servicing application, this instrument has 44 ranges including ranges up to 6000 volts AC and DC at dual sensitivities of 20,000 and 1000 ohms/volt. Ranges: DC and AC volts: 0-3/12/60/300/600/1200/6000; 0-60/300 microamps; 0-3/30/120/600 ma; 0-12 amps; 0-6000/600,000 ohms; 0-60 megs.; db from -12 to +70; output ranges same as AC. The meter is 4 1/2" square with a 50 microampere movement. Calibration is accurate to 2% DC and 3% AC. Heavy duty jacks, ceramic switch construction, and high grade wax impregnation insulate high voltage circuits against

- breakdown. Heavy duty master selector uses silver plated wiping contacts. Hardwood walnut fin. case 9x10x6". Complete with batteries, leads, instructions. Shipping weight, 11 lbs.
K21437—Your Cost, Complete \$48.94

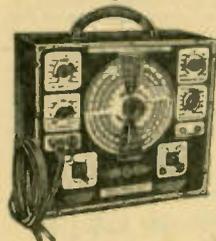
PRECISION Series 912 Tube Tester

Tests all tubes with fil. voltages from 1.4 to 120, including locals, 7-prong tubes, bantam, single-ended, miniatures, etc. Checks for hot cathode leakage, shorts, opens, noise, etc. 4 1/2" meter, accurate to 2%. Electrical features similar to Series 920, above. Hardwood, walnut fin. case, 12x13x6". Wt. 19 lbs.



- Model 912-P \$59.98**
K21702—Your Cost \$58.02
 912MCP—metal case 10 1/2 x 12 x 6"
K21703—Your Cost \$58.02
 912-C—steel cabinet 16x13 1/2 x 7"
K21723—Your Cost \$61.94
 912-PM—in rack mount panel
K21721—Your Cost \$61.94

PRECISION Series E-200 Signal Generator

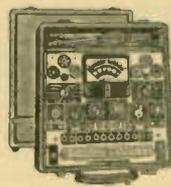


Modern laboratory sig. gen. for all AM, FM and television receiver requirements. Features servicing by signal substitution. 90 kc to 88 mc in six bands. Unmodulated RF, 400 cyc. modulated RF, ext. mod. RF, and 400 cyc. audio output selected at will. Modulation is variable from 0 to

- 100%. AVC voltage supplied for accurate alignment. Double attenuator provides smooth control of RF signal. In black fin. metal case, 10 1/2 x 12 x 6". Complete with tubes, cable, and free copy "Servicing by Sig. Sub." Wt. 20 lbs.
K21715—Your Cost \$62.87
 Model E-200-PM for rack mount. Wt. 26 lbs.
K21691—Your Cost \$64.83

PRECISION Series 954 Combination Set Tester

With 20,000 ohms/volt DC sensitivity, this tester meets most of the measurement problems in modern radio and television practice. DC-AC volts 0-3/12/60/300/600/1200/6000; 0-60/300 microamps; 0-3/30/120/600 ma; 0-12 amps; 0-6000/600,000 ohms; 0-60 megs.; -12 to +70 db. In hardwood walnut finish, portable case 12x13x6". With batteries. Wt. 23 lbs. **K21687—Model 954-P. Your Cost \$97.22**



- 954-MCP—open type; metal case 23 lbs.
K21690—With batteries. \$95.26
 Your Cost
 954-PM as above but panel mount. 29 lbs.
K21689—Your Cost \$99.18
 954C counter type. Complete with batteries and test leads. Wt. 24 lbs.
K21688—Your Cost \$99.18

PRECISION 844-P Volt-Ohm-DB-Milliammeter

Features ranges of 6000 volts AC and DC, 10 megs, 12 amps. and 70 db. 4 1/2" meter, 2% accuracy on DC, 3% on AC. Ranges: DC-AC volts at 1000 ohms/volt 0/12/60/300/600/1200/6000; DC current 0/1.2/12/60/300/1200 ma; 0-12 amps; 0-400/100,000 ohms, 0-1/10 megs; db -12 to +70; output same as AC. Multi-range selector includes ceramic spacers and double wiping silver plated contacts. High voltage circuits are insulated against breakdown. 4 1/2" rectangular, 400 microamp meter. In walnut finished hardwood portable case, 9x10x6", with removable cover, battery and test leads. Shpg. wt. 9 lbs. **K21656—Your Cost \$36.13**



PRECISION Series 832-S Multi-Range Tester



Though small in size, this instrument incorporates most of the features of larger testers: 3" square 800 microamp meter; 31 ranges; shunts and multipliers of 1% accuracy; rugged construction. Ranges: DC volts at 1000 ohms/volt 0-6/30/150/300/600/1200; AC volts at 500 ohms/volt 0-12/60/300/600/1200/2400; DC ma 0-1.2/12/120/600; ohms 0-5000/500,000; megohms 0-5; db from -10 to +62; output 0-12/60/300/600/1200/2400 volts. In hardwood walnut finished case, 7x4 1/2 x 3", with leather handle. Complete with test leads, internal batteries. Shpg. wt. 4 lbs.

- K21771—Your Cost \$23.49**

PRECISION 915 Tube Tester

Featuring a 9" square meter, this tube tester comes in a heavy gauge steel case finished in black ripple with chromium trim, 23x16x10". Fitted with chromium meter lamp reflector. Easy reading 3 colored Replace-Weak-Good scale. Accurate and reliable tube testing results. Tests all popular tube types with filaments from 1.4 to 120 volts. Checks portable dry batteries, pilot lamps, inter-element shorts, open elements, noise, leakage, etc. Automatic push button system provides maximum flexibility. A full vision, dual window, roller tube chart facilitates quick accurate testing. Shpg. wt. 37 lbs.



- K21716—Model 915 \$82.72**
 Your Cost

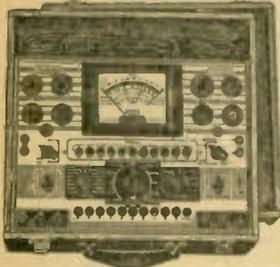
PRECISION 864 Multi-Meter

This tester has a 9" rectangular meter with dual sensitivity of 5000 ohms/volt DC and 1000 ohms/volt DC and AC. 41 ranges make for greatest versatility. DC-AC volts 0-12/60/300/600/1200/6000; DC current 0-300 microamps, 0-1.2/12/60/300/1200 ma, 0-12 amps; ohms 0-2000/200,000, 0-2/20 megohms; db from -12 to +70; output ranges same as AC voltage ranges. 1% accurate shunts and multipliers are used. Calibration accurate to 2% DC and 3% AC. In standard panel mount, 19x12 1/2 x 6". Complete with operating instructions, batteries. Wt. 21 lbs.
K21719—Model 864 \$58.41
 Your Cost



JACKSON test equipment

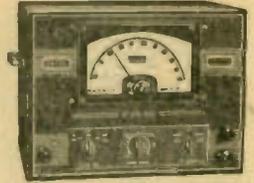
JACKSON Model 637 Dynamic Output Set Tester



A complete servicing instrument for bench or portable operation. Combines 27 ranges and 10 functions. Tubes are tested under normal working conditions by the "Dynamic" method. All filament voltages from ¼ to 115 volts are available. Accommodates ballast tubes. Sensitive neon leakage test. Can also be used to check condensers. AC and DC Volt ranges are: 0/10/100/250/500/1000/2500; output meter from -10 to +54 db; DC Current 0/1/10/100/250 ma, 0/10amps; Resistance 0/3000/300,000 ohms 0/30 megohms. All range selection is made by sure action push buttons. Accurate 6" meter for full vision. Oak case 14 ¼ x 13 ¼ x 6". With self-contained ohmmeter battery and probes. Noise test jacks are provided for audible test of possible tube noise. Shpg. wt. 18 lbs.

K21440—Your Cost, Complete \$80.36

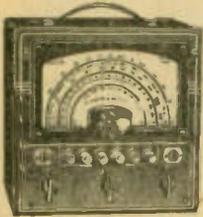
JACKSON Model 652 Audio Oscillator



The basic design of this new instrument eliminates all the characteristic faults of the beat audio method. Absence of RF circuits vastly simplifies the instrument and accounts for its remarkable accuracy and stability of output frequency. Features resistance-capacity tuned circuit design for modern audio measurement needs. No zero adjustment—tuned fundamental frequency method provides permanently locked calibration. Full range: 20 to 20,000 cycles in 3 bands. Accuracy of frequency calibration to within 3% or 1 cycle. Output power 500 milliwatts. Output impedance: 10/250/500/5000 ohms/high, controlled by selector switch. Output control is continuously variable from 0 to maximum. Less than 5% harmonic distortion from 30 to 15,000 cycles. Meets most exacting requirements as to wave form, uniform freq. characteristic, and output load impedance selection. For 105-120 volt 50/60 cycle AC. Supplied with 1-80, 1-6SJ7, 2-6F6. Size 13x9 ½ x 9 ½". More than three times the power output available from average oscillator. Shpg. wt. 30 lbs.

K21785—Your Cost, Complete \$114.66

JACKSON Model 640 Test Oscillator

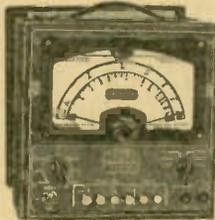


Has full range direct reading dial from 100 kc to 30 mc. All ranges are fundamental frequencies. Push button selection of all ranges for speedy, accurate operation. The dial is glass enclosed. Two-circuit attenuator for variable and vernier control. Powerful signal output which may be used as pure RF or modulated RF carrier, modulated at approximately 30%. AF voltage obtainable for external use. Accuracy to ½ of 1% on all ranges. Complete with three tubes. Unit welded steel case, gray morocco baked enamel finish, 8 ½ x 8 ½ x 6". 110 volts 60 cycle AC. Wt. 15 lbs.

K21652—Your Cost \$48.02

JACKSON Model 650A Condenser Tester

- Push Button Selection
- Range From .0001-1000 Mfd.



Six push-buttons instantly select desired range. Glass enclosed scale has "scale expander" indicating pointer that doubles effective scale length. Tests paper, mica, electrolytic condensers. Range in four steps from .0001 to 1000 mfd. Measures power factor on dial; range calibrated from 0 to 60%. Test voltages from 20 to 500 volts. "Eye" tube for leakage and balance tests; special built-in amplifier for leakage tests. In grey morocco steel case 8 ½ x 8 ½ x 6", with metal cover. With tubes. Shpg. wt. 12 lbs. **\$48.02**

K21651—Your Cost \$48.02

JACKSON Model 645 Vacuum Tube Voltmeter



Both AC and DC volt ranges are electronic, providing maximum sensitivity and overload protection. Measures resistance up to 1 billion ohms and as low as 2/10 ohm. Meter ranges: AC Volts 0-1/4/10/40/100/400/1000; DC Volts 0-4/10/40/100/400/1000; Ohms 0-1000/10,000/100,000/1 meg/10 meg/100 meg/1000 meg; Ma 0-1/4/10/40/100/400/1000; db minus 30 to minus 5/minus 10 to plus 15/10 to 35/30 to 55. Reversal switch gives instant positive or negative DC voltmeter indications. Constant input resistance of 12 meg on all DC volt ranges. Input resistance of 4.4 megohms on all AC ranges. 3 million ohms per volt sensitivity on 0-4 volt DC range. Over 4 million ohms/volt sensitivity on 0-1 volt AC range. 3 tubes: 6X5GT, 6K6GT, 7N7. 4 ½ volt battery and ballast self-contained and furnished. Dim 8 ½ x 8 ½ x 6". Shpg. wt. approx. 10 lbs.

K21472—Your Cost, Complete \$73.50

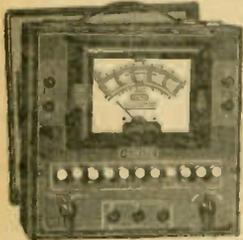
JACKSON Model 615 Volt-Ohm-Milliammeter



An excellent general purpose instrument, compact in size but unusually complete in ranges. 2 ohms ranges 0-1000/500,000; 5 DC volt ranges: 0-5/50/100/250/1000; four DC ma ranges: 0-1/5/50/250; five AC volt ranges: 0-10/100/200/500/2000; additional high voltage DC range: 0-2500. Rotary switch range selection saves time and reduces errors. 3" square type meter has two jewelled bearings. Each instrument supplied complete with self-contained batteries. Panel is finished in attractive two-tone grey with white lettering. 7x4 ½ x 3". Shpg. wt. approx. 4 lbs.

K21473—Model 615, Your Cost \$24.01

JACKSON Model 642 Volt-Ohm-Milliammeter



A valuable instrument for all measurements of sensitive circuits such as AVC, grid circuits, etc. Many measurements can be made with current drain as low as 10 microamperes. Instant selection of any range by means of 11 key

push button selector. Volts AC and DC; range: 0/10/100/250/500/1000/5000; -10 to +14/10 to 34/30 to 54 db; DC ma 0/10/100/250; 0-100 microamps; 0-10 amps; 0/3000/300,000/30,000,000 ohms. No external batteries or line power required. All DC volt ranges are 20,000 ohms/volt. Current readings may be made as low as 2/1000 of 1 ma. Case is welded steel finished in grey morocco. Fitted with removable steel hinged cover. Protects meter and controls. 8 ½ x 8 ½ x 6". With battery, test leads. Shpg. wt. 8 lbs.

K21653—Model 642 \$63.21

Model 643—same as Model 642 except 0-1000 microamps, ohms 0-3000/300,000/3,000,000. K21759—Your Cost, Complete \$44.10

BLILEY Model 1A Crystal Controlled Oscillator



A new standard for proficiency and accuracy, this instrument provides: direct crystal control, with instant selection of the 5 most commonly used i-f frequencies 175kc, 262kc, 370kc, 455kc, and 465kc; direct crystal control at 200kc for RF alignment; direct crystal control at 1000kc for short wave alignment. External socket for addition of special frequencies, a 3 position modulation selector, and a 5 step attenuator with vernier output control from 0 to 15 volts. All low temp. coeff. ±1% crystals used. In metal black ripple finish case, 8x6x5". Shpg. wt. approx. 7 lbs.

K21474—Your Cost, Complete \$69.50

JACKSON Model 636-CP Dynamic Tube Tester



This tester is modern in every feature of construction, appearance, and operation. The dynamic method of test makes a better more accurate test of every tube. By testing tubes at higher plate voltages (over 200 volts for some) more accurate results are obtained. Tests all of the popular receiving type tubes and television amplifiers, including bantams, loctals, single ended, miniatures, and high voltage filament types. Provision is made for many more. The tester is protected against obsolescence in every feature. Roll chart tube index simplifies correct settings. Full range filament selection from ¼ to 115 volts. Spare circuits and two spare socket positions provided for future use. Large 4" square meter. Noise jacks provide audible test of possible tube noise. In portable leatherette case, 16x7x13 ¼". Shpg. wt. 13 lbs.

K21530—Your Cost, Complete \$61.25

Model 636-CB—same as above except 2-tone grey finish counter top case. K21526—Your Cost \$55.37

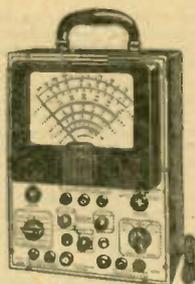
REINER ELECTRONICS Model 451 Vacuum Tube Voltmeter



Accuracy, stability and long life are assured by excellent circuit design and by rugged, precise mechanical and structural design. The instrument has flat frequency characteristics up to 700 megacycles, accomplished by a unique probe giving input capacity of less than 7 mmfd. Both AC and DC voltage ranges are easily read on a single long, linear scale. Ranges: 0-2.5/10/25/100/250/1000 volts AC and DC; 0-2.5/10/25/100/250/1000 ma DC; 0-1000/10,000/100,000 ohms, 1/10/1000 megohms. Accuracy 2% DC volt, ohm, and current; 5% entire AC frequency range. 0-180 microamperes meter movement is accurate within 1%. Other features are: wide frequency range, high input impedance, wide voltage range, single zero-adjust for all AC and DC ranges, voltage regulated power supply, large overvoltage capacity, stable operation. With tubes, fuse extractor post, test leads, service cord, and probe. In black finish portable case, 10 1/2 x 9 x 8". 110-125 volt, 50-60 cycles AC. Shpg. wt. 22 lbs.

K21498—Model 451. Your Cost Complete..... \$147.00

RADIO CITY PRODUCTS Model 665A AC-DC V.T. Volt-Ohm-Capacity Meter



This instrument combines an insulation tester with a vacuum tube volt-ohm-capacity meter. Twenty-nine measurement ranges handle practically any service or laboratory testing job. Ranges: insulation testing 1-10,000 megohms at 500 volts; vacuum tube ohmmeter, direct reading 0-1,000/10,000/100,000 ohms; 1/10/100/1000 megohms; accurate measurements from .000025 to 2000 mfd with capacity meter; AC vacuum tube volt-meter 0-3/6/30/150/600/1500/6000 volts; input capacity .0005 mfd; input resistance 160 and 16 megohms. Measures signal and output voltages from 10 to 10,000 cps. DC vacuum tube voltmeter 0-6/30/150/600/1500/6000 volts; sensitivity 160 megohms on high ranges and 16 megohms on low ranges. The 8" meter is accurate to 2% at full scale. Automatic line voltage check provides excellent AC and accuracy and stability. In sturdy steel case with 4 leads and batteries. Shpg. wt. 14 lbs.

DC regulation to assure accuracy and stability. In sturdy steel case, 9 1/2 x 12 1/2 x 6". Complete with 4 leads and batteries. Shpg. wt. 14 lbs. K21595—Model 665A. Your Cost, Complete..... \$92.61

RCP Model 488A Sensitive Multitester



Ideal instrument for field and shop testing of electronic equipment. Dual DC sensitivity of 20,000 and 1000 ohms/volt; AC sensitivity of 1000 ohms/volt. Ranges: 0-3/12/60/300/600/1200/6000 volts DC and AC; 0-60/300 microamps DC; 0-3/20/120/600 ma DC; 0-12 amps DC; 0-3/6/12 amps AC; 0-3000/300,000

ohms; 0-30 megohms. Wide scale 4 1/2" meter with 50 microamp movement, 2% accurate. All multipliers are matched and 1% accurate. Overall accuracy 3% on DC and 5% on AC voltages and currents. High voltage test leads are furnished. Batteries are readily accessible, can be replaced merely by releasing spring clamp. No soldered terminal connection to batteries. Supplied ready to operate, complete with self-contained battery. Case, 13x12 1/2 x 5 1/2". Shpg. wt. 12 lbs.

K21594—Model 488A. Your Cost..... \$70.07

RADIO CITY PRODUCTS 424A Volt-Ohm-Milliammeter



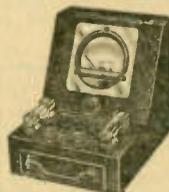
Features self-contained battery operated ohmmeter with a high range of 10 megohms. Basic meter movement is 400 microamps and provides a sensitivity of 2500 ohms per volt. Ranges: 0-2.5/10/

50/250/1000 volts DC; 0-10/50/250/1000 volts AC; 0-10/50/250/1000 ma DC; 0-500/100,000 ohms; 1/10 megohms; -10 to +15, -4 to +29, -18 to +43, -30 to +55 db. Each shunt and multiplier is individually calibrated to a tolerance within 1%. A compensated suppressor type copper oxide rectifier is used for AC measurements. Tier construction and resistor board mounting of shunts and multipliers make them accessible. Hardwood case with batteries. Size 7 1/2 x 5 3/4 x 3 1/4". Wt. 3 lbs.

K21587—Model 424A. Your Cost..... \$28.91

Model 424AP—as above but in portable case, 8x6 1/2 x 4 1/2". Shpg. wt. 4 lbs. K21586—Your Cost, Complete..... \$32.83

REINER Electronics Model 333 DC Volt-Milliammeter



A simple instrument that meets the volt-amp test requirements of most circuits with current or potential values between .002 to 1000 volts and 20 microamps to 10 amps. One unit serves as 20 or more different single instruments. To operate you merely insert the proper shunt or multiplier.

multiplier for the desired range and take readings. Ranges: 0-5/10/25/100/250/500 volts DC at 1000 ohms per volt; 0-5/10/25/100/250/500 ma DC. Comes complete with 6 shunts, 6 multipliers, 2 meter fuses and instructions. The meter is set at easy ready to read angle. Handy slide drawer contains shunts, multipliers, fuses and shorting connector all mounted on spring snap holders. Housed in steel case, 6x7 1/2 x 6 1/2". Wt. 6 lbs. Meter is hermetically sealed against dust, moisture and is non-corrosive. Greater scale length increases accuracy and readability.

K21500—Model 333. Your Cost, Complete..... \$26.95

RCP 322 Tube Tester



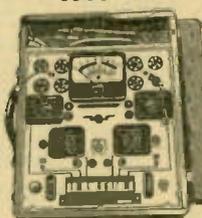
Features simplicity, compactness, and speed of operation. Has special noise test

for tubes that otherwise test "good". Tests new and old types of tubes, individual sections of multi-purpose tubes, and has provisions to check all miniature and subminiature tubes. In counter model steel case, 5 1/2 x 12 1/2 x 7".

K21596. Your Cost..... \$40.67

K21597 Portable Model 322P. Your Cost..... \$44.59

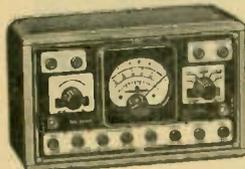
RCP Model 805 Tube and Set Tester



Combination battery, set, tube and condenser leakage tester. Complete leakage test under rated voltages for all electrolytic condensers. Battery test for all popular sizes and types of radio batteries under rated load. Ranges: 0-2.5/10/50/250/1000/5000 volts DC; 0-10/50/250/1000/5000 volts AC; 0-10/50/250/1000 output volts; 0-10/100/1000 ma DC; 0-10 amps DC; 0-250/2500/25,000 ohms, 0-2.5/25 megohms; -8 to +15, +15 to +29, +29 to +49, +32 to +55 db. Low range ohmmeter is back-up, low drain type. Medium range ohmmeter is powered by self-contained battery. High range is operated from plug-in line supply. All popular filament voltages are supplied. Test leads are furnished. Sturdy wood case, 14 1/2 x 13 x 6". Complete, ready to operate on 105-35, 50-60 cycles. A deluxe instrument. Famous Dynoptimum test circuit. Line fuse replaceable at front panel. "Rolindex" mechanical tube chart.

K21645—Model 805. Shpg. wt. 14 lbs. Your Cost..... \$87.71

RCP 447 Multitester

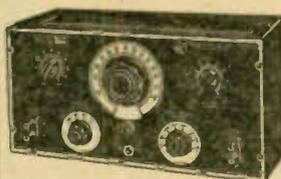


With 3" square, 2% accurate meter. Ranges: 0-5/50/500/2500/10000 volts DC; 0-10/100/500/1000 volts AC; 0/10/100/500/1000 volts; 0-500/100,000 ohms, 1 meg; -8 to 55 db. Batteries supplied. 5x8 1/2 x 3". Wt. 2 lbs.

K10503. Your Cost..... \$17.59

Mod. 447P in portable case, 2 lbs. K10504—Your Cost..... \$21.51

REINER ELECTRONICS Model 530 Squarewave Generator



This instrument was designed to meet the demand for a square wave generator to be used in production and general testing. The frequency scale is hand calibrated from below 10 to above 100 cycles. A decade frequency multiplier increases the useful range. Accuracy of frequency calibration is 5% over extended periods. The instrument can be made to synchronize with any standard frequency generator providing a sync. voltage of at least .1 volt is available. The output voltage may either be varied in fixed steps or may be continuously varied. The maximum voltage output is approx. 20 volts. The output impedances are 100/200/500/600/1000/2000 ohms. Operates on 110-120 volts, 60 cycle AC. Size 8x9x15". Complete with tubes, ready to operate. Shpg. wt. 20 lbs.

K21499—Model 530. Your Cost..... \$93.10

RCP 449 Pocket Tester

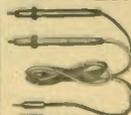


This versatile multitester is remarkably accurate and combines low and high ranges. Ranges: 0-5/50/250/1000 volts DC, AC, and output; .5/10/100/1000 ma DC; 0-1000/10,000 ohms; 0-1/1 meg; -6 to +52 db in 4 ranges. The db range is calibrated for 500

ohms line. Correction charts for other impedances, batteries supplied. 3" square 200 microamp meter. 5000 ohm/volt sensitivity. In black metal case, 5 1/2 x 3 1/2 x 2 1/2". Shipping wt. 3 lbs. Mod. 449.

K21453. Your Cost..... \$24.01

REINER Test Leads



Model 910 leads designed for use up to 15000 volts. 54" long, 7" prod. Negligible voltage drop

K12950. Your Cost..... \$3.53

REINER Pencil Type Test Leads

K12951 48" phone tip..... \$0.73

K12952 48" spade lug..... .73

K12953 48" alligator clip..... .82

K12957 48" phone tip..... .82

K12958 48" spade lug..... .81

K12959 48" alligator clip..... 1.18

K12960 54" Phone tip..... 1.18

K12961 54" Spade lug..... 1.18

K12962 54" alligator clip..... 1.26

* Seived handles to prevent slip.

WESTON test equipment

WESTON Model 779 Super-Sensitive Analyzer

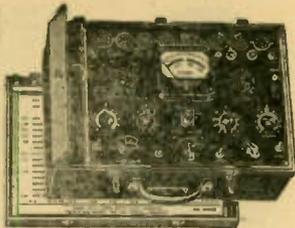


Ideal for measurement of tube circuits, as in electronic receivers, low-powered transmitters and electronic control equipment. Will measure potentials and current in television equipment and wired communication systems. Power level in decibels in audio equipment, public address systems, telephone or speech lines can be measured with equal facility. Can be used for testing cathode-ray equipment, and in the maintenance of electronic control and alarm systems in industry. Also extremely useful in the production adjustment and testing of sensitive electronic devices and communication equipment. Will

accurately measure plate voltage and current on most ham transmitters as required by the FCC. Diode currents and AVC and AFC circuit currents as well as leakage of condensers can be accurately checked. AC accuracy of three percent. Only precision resistors are used throughout the instrument to insure accurate measurements. The fine finished case and panel make this instrument a thing of beauty. It will withstand a good deal of rough treatment also. Ranges: 0-2.5/10/50/250/1000 volts, DC and AC. DC Current: .1/1/10/50/250/milliamperes, 1/10 amperes. Five DB scales: -14 to +2, -2 to +14, +12 to +28, +26 to +42, +38 to +54 decibels. Resistance ranges: 0-3000/30,000/300,000 ohms/30 megohms. The instrument is small, light, and compact. The attractive heavy molded bakelite panel and rugged, solid oak case with hinged removable cover and convenient carrying handle add to the many technical improvements that make this instrument an efficient all-around test instrument. Sensitivity 1000 or 20,000 ohms per volt. $6\frac{1}{2} \times 9\frac{1}{2} \times 4\frac{1}{2}$ ". Wt. 7 $\frac{1}{4}$ lbs.

K21508—Model 779, Complete..... **\$74.64**

WESTON Model 798 Analyzer and Mutual Conductance Tube Checker



Sixty-cycle tube element potentials are used in this tube tester, thereby approaching the zero plate load condition most desired for mutual conductance tests. A separate 5 KC internal oscillator signal is applied to the grid and the resulting plate component of the high frequency signal is measured on a rectifier meter. The analyzer section provides for rapid trouble shooting in electronic and electric equipment. All volt-ohm-milliammeter ranges terminate in a pair of pin jacks. Ranges are selected by one 12-position switch. Switching is so arranged that the tube checker is automatically shut off when the analyzer is used. Test leads are provided and a self-contained 7 $\frac{1}{2}$ -volt battery is used for the ohmmeter ranges, so it is not necessary to connect the instrument to a power line when it is used as an analyzer. Tube checker ranges: 3000/6000/12,000 micromhos. Voltmeter ranges: 15/150/750 AC and DC at 1000 ohms per volt. DC milliamps: 7.5/150. Resistance 100,000/1 megohm. The AC voltage range in this instrument has an accuracy of plus or minus three percent. All analyzer ranges are available without depending on an AC power source. The flexibility of switching in the tube tester provides for the testing of new tubes as they may be announced. Only six settings required. The meter has an accuracy of plus or minus 3 percent for all DC voltage, current and resistance ranges. For use on 105/125 v, 60 cycles AC only. $17\frac{1}{2} \times 11\frac{1}{2} \times 6\frac{1}{2}$ ". Shpg. Wt. 23 lbs.

K21467—Your Cost, Complete..... **\$182.64**

WESTON Model 697 Volt-Ohm-Milliammeter

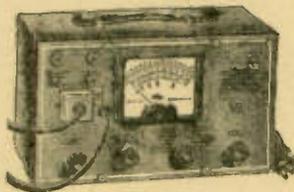


Production tests on motors, electrical equipment, and parts, as well as laboratory work and general servicing can be efficiently handled by this multi-range test unit. Its ranges have been very carefully selected to meet many test requirements. A simplified switching and pin-jack arrangement facilitates rapid operation. Test leads

are supplied. Precision resistors are used throughout the instrument to insure accurate measurements. A self-contained 4 $\frac{1}{2}$ -volt battery supplies voltage for the ohm ranges. Extremely rapid operation, versatile performance, lasting dependability—all these are built into this volt-ohm-milliammeter. Changes in battery voltage are compensated for by rotating an adjuster knob on front panel. Sustained accuracy is assured under all kinds of operating conditions. AC and DC voltage ranges: 0-7.5/15/150/750 (1000 ohms/volt); current: 0-7.5/75 ma. DC; ohms: full scale, 5,000/500,000 ohms. . . center scale, 35/3500 ohms. Weight 3 lbs. Size 5 $\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ ".

K21469—Model 697
Your Cost, Complete..... **\$25.89**

McMURDO SILVER "Vomax" VTVM & Dynamic Signal Tracer



The "Vomax" is a true post-war instrument. 12 DC voltage ranges, 0 to + or - 1200 volts at 51 megohms input resistance and 12 DC voltage ranges, 0 to plus or minus 3000 volts at 126 megohms input resistance. Accuracy + or - 3%. 12 AC and RF ranges, 0 to 1200 volts at 6.6 megohms input resistance. Accuracy + or - 5%. 0 to 2000 megohms in 6 ranges. 3 DB ranges, -10 to +50 db. Diode probe gives frequency response from 20 cycles to 100 megs. 4 $\frac{1}{2}$ " meter 100% protected against overload burnout. For 105/125 volts, 50/60 cycles A.C. only. Conveniently portable. $12\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ ". Wt. 13 lbs.

K21455—Model 900,
Complete..... **\$59.85**

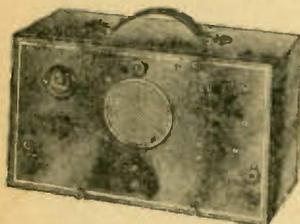
WESTON Model 695 Power Level, Volt-Output Meter

A power level, volt-output rectifier-type meter, provides readings in decibels and in AC volts. Ideal for power level measurements in all types of radio equipment. It is a medium speed instrument with a moderately damped movement and has a constant impedance of 20,000 ohms. Eleven decibel ranges from -4 to +36 db. 7 AC ranges from 2 to 200 volts also available. A self-contained condenser, accessible through a separate pin jack is provided for blocking any DC component. Test leads are supplied. Each meter is supplied with a chart which gives interpolation values from 5/10000 ohms. Small, light, and compact; has a single knob for switching to different ranges. Heavy molded bakelite panel. Number of moving parts reduced down to a bare minimum with single control knob, tip jack for series condenser and one set of tip jacks for all voltage and output ranges. Size 5 $\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ ". Shpg. Wt. 3 lbs., complete.



K21468—Model 695
Your Cost, Complete..... **\$30.25**

McMURDO SILVER Model 905 "SPARX" Signal Tracer



The Dynamic Signal Tracer provides an audible means of following a signal from the antenna to the speaker. The electron-ray indicator furnishes a visual means of measuring circuit gain or loss. With this instrument the technician can check a receiver at every circuit point, locating hum, noise, open and short circuits. Even the presence of grid and plate supply voltages is indicated visually. Useful frequency range is from 20 cycles to over 200 megacycles. 65 db gain in AF amplifier. Complete with test leads. Practically no detuning effect of circuit under observation. Size and wt. identical to "Vomax." $12\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ ".

K21456—Your Cost..... **\$39.90**

McMURDO SILVER Model 906 FM-AM Signal Generator

No illustration is available at the present time.

This signal generator provides fundamental frequency coverage of all usual AM bands, plus built-in frequency modulation and total range including new FM bands up to 170 MC. The frequency range, 90 kc-170 mc, is covered in eight bands. In an MOPA circuit, 1 triode section of a 6J6 miniature uhf tube serves as oscillator and the other as buffer amplifier. Output voltage is indicated by a uhf radar-type crystal diode and panel meter, calibrated directly in microvolts. Built-in attenuator provides continuously variable, metered output from 0-1 volt. Signal can be AM or FM modulated at any frequency. Offers negligible load on circuit under test. $12\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ ". Wt. 20 lbs.

K21452—Model 906
Your Cost..... **\$89.90**

McMURDO SILVER Model 904 C-R Bridge



The Model 904 Capacitance-Resistance Bridge gives direct readings from 10 ohms to 1000 megohms and from 10 mmfd to 1000 mfd on a five-inch logarithmic scale. Accuracy is better than 3 percent up to 100 megohms/mfd., slightly less on the highest scale. Measurements down to $\frac{1}{4}$ ohm/mfd can be made as to any small value of C or R. 0-500 volts DC potential is applied to all capacitors during test. Unit is furnished complete with tubes: 1-6SN7, 1-6E5 "Eye" tube, 1-5Y3 and test leads. Will operate on 105-125 volts, 50-60 cycle, AC only. Dimensions: $12\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. Wt. 13 lbs.

K21454—Your Cost..... **\$49.90**

EMC Model 101B "Volometer"

Here is an attractive, EXCEPTIONALLY LOW-PRICED volt-ohm-milliammeter. It is a rugged, flexible instrument, combining features which are not available in competitive models selling for twice the price. 5 DC voltage ranges; 0/6/60/300/600/3000 volts 5 AC voltage ranges; 0/12/120/600/1200 volts. 3 DC Current ranges; 0/6/60/600 ma. 4 resistance ranges; 0/200/2000/200,000 ohms, 0/20 meg-ohms. 4 DB ranges; -8 to 16/36/50/56. Open face model $5\frac{1}{2} \times 8\frac{1}{2} \times 2\frac{3}{4}$ ". Portable model $7\frac{1}{2} \times 8\frac{1}{2} \times 3\frac{3}{4}$ ". Battery and rectifier replaceable without use of soldering iron.



K21511—Open Face Model
Your Cost..... **\$20.53**
K21512—Portable Model
Your Cost..... **\$24.45**

FEILER Signal Tracker

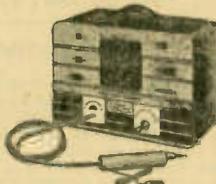
Rapid, efficient, economical—a compact signal detector especially built for those who want to track down set troubles without investing in costly equipment with complex mechanisms. This is the signal tracer everyone can afford. The TS-1 permits you to test any set without bothersome adjustments. Just touch probe to any section of the set, RF, IF, diode plates, audio, etc., and signal is heard in phones. The TS-1 uses one 22½v. battery, 1 #2 flashlight cell and 1000 ohm or higher phones. Comes in a Brown crackle finish. $6\frac{1}{2} \times 4\frac{1}{4}$ ". Shipping weight 3 lbs.



K21531
Less batteries, phones..... **\$9.85**
K19862
22½v Battery..... **\$1.19**
K20622—No. 2 Cell..... 6½c

FEILER Signal Tracing Analyzer

For those who want a "professional" signal tracer, which at the same time is simple to operate, the TS-2 Professional Model Signal Tracing Analyzer has "plus" features found in no other instrument in its price range. Operation is on batteries only (2.45v and 1.4½v), makes the TS-2 completely portable and free from line hum. Built-in VTVM circuit has connections for external RF and output meters. 3 low-drain miniature tubes included. $8 \times 11\frac{1}{2} \times 6$ ". Shpg. wt. 6 lbs.



K21462—Less Batteries
Your Cost only..... **\$29.95**
K20617—45v. battery.
Each..... **\$1.50**
K20610—4½v. battery. Each..... 46c

Electronic Designs VT-VM

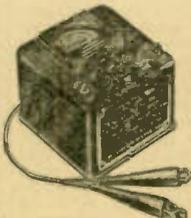
The model 100 has been expressly designed to withstand hard usage and at the same time supply the demand for a sensitive, accurate vacuum tube Volt Ohmmeter. Besides such unique features as a hermetically sealed movement and anti-fungus switches, all components have been chosen and matched for precision results. The power supply operates on 110-120 volts, 50-60 cycles. DC Ranges; 0/3/10/30/100/300/1000 volts. 11 megohms input resistance for all ranges with accuracy $\pm 3\%$. AC Ranges; 0/10/30/100/300/1000 volts sensitivity 1000 ohms per volt. Electronic Ohmmeter Ranges; 0/1000/10,000/100,000 ohms, 0/1/10/1000 megohms. The Model 100 VT-VM PROVAC is supplied in a black steel case, $9\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{4}$ ". Bridge Amplifier Circuit Meter individually calibrated for use with set of test leads, signal tracer probe and batteries. Shpg. wt. 10½ lbs.



K21509—Electronic Volt Ohmmeter Model 100
Your Cost..... **\$52.50**
K21528—Model ED100 Complete with R.F. Probe
Your Cost..... **\$59.50**

AEROVOX Motor Starting Capacitor Selector

On a refrigerator job you can't take your own sweet time. When there is perishable food at stake you must get that motor going at once. Nine times out of ten on the capacitor-start type refrigerator, the trouble is due to a worn-out capacitor. That's where the AEROVOX Capacitor Selector goes to work. To use merely connect its clips in place of defunct capacitor. Try various toggle switches starting with the 65 mfd. first. Voltmeter indicates voltage impressed on capacitor, which must not exceed 138. Toggle switches provide progressive choice of capacities from 17½ to 152½ mfd. Each successive toggle throws in 17.5 mfd. more. When adequate starting torque is obtained in less than three seconds, merely total the capacity from the "on" switches. That's correct capacity.



K21527—
Your Cost..... **\$11.41**

DUMONT Model 164E 3" Oscillograph

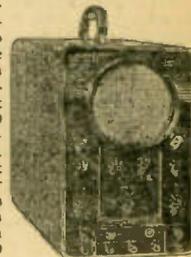
Ideal for service engineers and laboratory technicians. Employs 3AP1 (green) Cathode Ray Tube. Amplified sweep uses 2B4 as saw-tooth oscillator. Separately controlled horizontal amplifier has gain of 55 and vertical amplifier has gain of 43; response from 5 to 100,000 s.n.r. sinusoidal cycles. Provision for applying signals direct to deflection plates (not necessary to remove from cabinet). Two power supplies deliver 1100 volts accelerating potential and 415 volts amplifier potential. Removable calibrated scale for accurate determination. For 115-230 volts a.c., 40 to 60 r., 40/60 cycles a.c. Size: $11\frac{1}{2} \times 7\frac{1}{2} \times 13$ ". Complete with tubes. Shpg. wt. 25 lbs.



K21557—Your Cost..... **\$105.00**
5" Model 208B: Uses type SLP1 Cathode Ray Tube. Amplifiers flat from 2 to 100,000 sinusoidal cycles. Extended sweep range 2 to 50,000 cycles. Nearly 15" time base. Freedom from pattern drift. Size: $14\frac{1}{2} \times 8\frac{1}{2} \times 19\frac{1}{2}$ ". Shpg. wt. 60 lbs..... **\$235.00**
K21782—Your Cost.....

DUMONT Model 274 Oscillograph

Here is an inexpensive, general purpose cathode ray instrument designed for routine laboratory and production testing, and for radio servicing. Several provisions have been made to adapt this oscillograph to the requirements of colleges, technical and high schools. Employs 5" CRT 5BP1A. Frequency response at full gain flat within $\pm 20\%$ from 20 cycles to 50 kc. Yields spot deflection of 1". Sweep frequency range variable from 8 to 30,000 cycles. Panel switch permits applying signals direct to deflection plates. Two power units deliver 1200 volts with low supplying plate potentials for remaining tubes. Power consumption is approximately 50 watts with fuse protection at one ampere. For 115 volts $\pm 10\%$, 50/60 cycles a.c. Size $14\frac{1}{2} \times 6\frac{1}{2} \times 19\frac{1}{2}$ ". 7 tubes.



K21558—Shpg. wt. 35 lbs.
Your Cost..... **\$99.50**

DUMONT Oscillograph Type 224-A

Study of pulses and square waves eased by faithful reproduction of steep front wave forms and resultant large harmonic content. Protective front panel cover and sturdy mechanical design results in rugged instrument for field and lab use. Numerous combinations of signal input connections at front panel provide for great flexibility. Wide band vertical amplifier response to 3.5 megs. Provision for Intensity Modulation is made on front panel. Built in 4/1 resistance capacitance attenuator. Has 3GP1 3" DuMont CRT. Freq. range from 15-30,000 c.p.s., less than 0.5 volts needed for synchronization. 3 power units, 400 volt for plate voltage of amplifier and sweep oscillator, 190 volt for low-level plate voltage and 1000 volt negative supply for CRT. For 115 volts, 50/60 cycles, size $14\frac{1}{2} \times 8\frac{1}{2} \times 15\frac{1}{2}$ ". Shpg. wt. 51 lbs.



K21561—Your Cost..... **\$250.00**

DUMONT Model 185 Electronic Switch & Square-Wave Generator

Developed to satisfy demands for an instrument that would make for easy observation of 2 or more signals on the screen of a single cathode ray oscillograph, also for a square-wave generator at from 10 to 500 sq. wave cycles. Slight distortion at 25,000 sinusoidal cycles. Used in studies of vacuum tube performance characteristics. Switching rate is variable 10-2000 times per second. Uniform amplifier response, d.c. to 5000 sinusoidal c.p.s., down 25% at 25,000. Input resistance 50,000 ohms. Maximum signal output 75 volts 100,000 ohms. Output resistance 50,000 ohms. Maximum signal output 75 volts peak to peak. For 155 or 230 volts, 40/60 cycles a.c., 7 tubes, size $7\frac{1}{2} \times 11\frac{1}{2} \times 13$ ", in black wrinkle-finished steel cabinet with carrying handle. Wt. 17 lbs.



K21783—Your Cost..... **\$105.00**

Electronics Designs R. F. "Ediprobe"

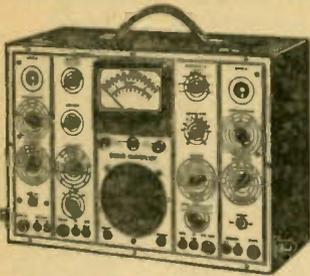
Enables the laboratory engineer and radio service technician to measure every voltage. Can be used with Model 100 VTVM or other standard VTVM. Will trace a signal through both the IF and output stages of any receiver. Smallest probe made, provides easy access to all points, $\frac{1}{2}$ " diam x $4\frac{1}{2}$ " long, freq. range from 60 cycles to 10 mega, standard phone plug, RF voltage range 0/3-10-30-50. 3 mmf and 1 megohm effective circuit loading, used as output meter and for measuring decibels.



K21529—Electronic Designs R. F. Probe
Your Cost..... **\$9.85**

RCA test equipment

RCA Audio Chanalyst



Complete instrument for matching up a new sound system or to repair existing installations. Will hold continuous check on four different audio circuits simultaneously to locate intermittents. Two amplifier channels and an electronic AC voltmeter check gain and level on circuits from -80 to 49 db. All channels flat from 20 to 10,000 cycles at 1 meg. input. Impedance measurements 0-400,000 ohms; 4 resistance ranges from 0-400 megohms; voltages from 5 to 1000 at 20 megohms; DC input resistance of 2 megohms. 15 tubes: 1-5Y3 rectifier, 1-6E5 indicator, 1 6H6 meter diode, 1-6J5 intermediate amplifier, 2-6K6's meter bridge, 1-6SA7 oscillator control, 2-6J7's B.F. oscillators, 2-6SJ7 preamplifiers, 1-6SN7 detector, 1-6V6 power amplifier, 1-6X5 rectifier, and 1-2050 sweep control. 12 $\frac{1}{2}$ "x9 $\frac{3}{8}$ "x18 $\frac{3}{8}$ ". Wt. 35 lbs.

K21769—Model 170-A, \$345.00
Your Cost.....

RCA Voltohmyst

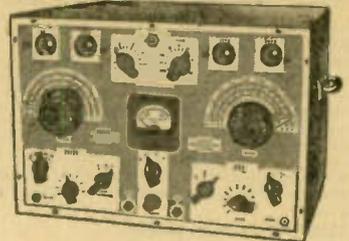


One of the most popular servicing instruments. Designed to do more of the unusual things, Model 195 incorporates a basic innovation in AC measurement—linear diode rectifier reading directly on the DC scale—flat response from 20 to 100,000 cycles. A common ground lead, 2 shielded cables are supplied, 1 with isolating probe for DC, the other for AC or ohms. Electronic meter overload control built into instrument. Ideal for signal tracing and dynamic testing.

Ten megohm constant input for all six ranges: 0-5/10/50/100/500/1000 volts d-c on a linear scale. Flat frequency response up to 100 volts with an input impedance of 200,000 ohms and 170 micromicrofarads. AC ranges: 0-5/10/50/100/500/1000 volts on a linear scale. Resistance .1 ohm to 1000 megohms. Scale is also calibrated in terms of volume units. Supplied complete with tubes and test leads. A polarity reversing switch built into the instrument makes it unnecessary to reverse leads at any time. The entire instrument is housed in an attractive and durable portable black metal case with handle for carrying. Improved dial scale housing slopes upward and is cut away at the top for greater visibility and easier, more accurate readings. Minimum amount of dials. Size 9 $\frac{3}{8}$ "x5 $\frac{7}{8}$ "x5 $\frac{1}{4}$ ". Shipping Weight 14 lbs.

K21770—Model 195-A, \$69.50
Your Cost.....

RCA-RIDER Chanalyst



The servicing of any radio, new or old, can be done faster and easier with an RCA Chanalyst than with any other type of test instrument. The Chanalyst permits you to follow the signal like a bloodhound from the antenna coil in the receiver right through each succeeding stage to the speaker voice coil. Shows you instantly where signal gets weaker, distorted, or disappears altogether. Ranges: RF-IF channel; 96 to 1700 kc., Oscillator channel; 600 to 15000 kc., AF channel; 150 to 50,000 cycles. Electronic voltmeter channel 0-5/25/125/500 volts DC with an input impedance of 11,000,000 ohms. Scale reads zero center with both positive and negative deflection. Wattage indicator channel has input range of 30 to 250 watts. Accuracy plus or minus 15 percent assuming 80 percent power factor of load. Power supply 105-125 volts, 50-60 cycles. Tube complement: 2-6K7's, 1-6H6, 4-6E5's, 1-76, 1-6X5, 1-6Q7, 1-6SK7, and 1-6AC7. 9x16x10 $\frac{1}{2}$ ". Wt. 28 lbs.

K21666—Model 162-C \$162.50
Your Cost.....

WATERMAN Pocketscope

The model S-10-A Pocketscope is a small, compact, lightweight, complete C-R oscilloscope incorporating a cathode ray tube, vertical and horizontal amplifiers, linear time base oscillator, synchronization means. Self-contained power supply. The time base oscillator is variable from 10 cycles to 50 kilocycles. Vertical and horizontal deflection sensitivity is 1 v, RMS/inch. The Tubes are 1-6AU6, 1-6J6, 1-6X4, and 1-2AP1A 2" CR tube. As used normally, the vertical dimension is amplitude, and the horizontal may be either amplitude or time. Input 105-125 volts, 50-60 cycles AC. The CR tube is magnetically shielded. 6 $\frac{1}{8}$ "x4x10". Wt. 7 lbs.

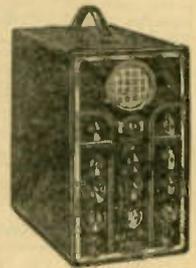
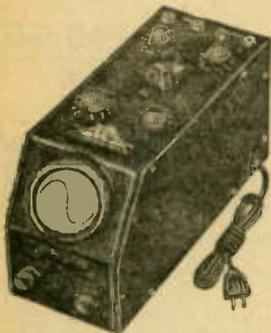
K21466—\$64.68
Your Cost.....

RCA Cathode Ray Oscilloscopes

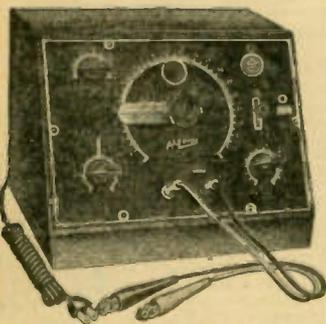
3" Model 155C: Uses 906P1 tube, 2-6SJ7's for vertical and horizontal amplifiers, 1-6C8 timing oscillator stage, 2-5Y3 rectifiers. Bar knob controls located on front panel. Useful range of 10 cycles to 200 kc. Input impedance at Ext. Sync. Terminals is .1 meg. Extremely useful feature is external 6 volt source brought to binding posts from fila. supply. Can be used for calibration work, studying Lissajou figures, or as heater supply for external diode probe. Input 110-120 volts, 50-60 cycles AC. 14 $\frac{1}{2}$ "x8x14 $\frac{1}{2}$ ". Shpg. wt. 32 lbs. **\$115.00**
K21447—Your Cost.....

5" Model 160B: Deluxe model with 5" screen for large clear images. Vertical amplifier flat within 3 to 35,000 cycles, horizontal amplifier flat from 3 to 35,000 cycles. Complete with tubes, hardware and operating instructions. Ideal for radio shops, laboratories, etc. Shpg. wt. 40 lbs.

K21442—Your Cost, Complete..... \$185.00



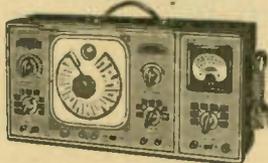
AEROVOX Bridge



The Aerovox Bridge Model 76 is equally suitable for use out on the job, in the shop, or at the hands of the laboratory technician. It (1) measures capacitance from 100 mmfd to 200 mfd in six ranges; (2) measures resistance from ten ohms to 200 megs.; (3) measures power factor from 0 to 50%; (4) provides DC polarizing potential for leakage measurements from 0 to 600 v. DC; checks leakage of electrolytic capacitors or insulation resistance of paper or mica capacitors. Provided with shock-proof color coded test leads fitted with banana plugs for the panel jacks and with clips at the other end. Complete instructions. Size 10x7 $\frac{1}{2}$ "x8". Shpg. wt. 11 lbs.

K21659—\$44.75
Your Cost, Complete.....

SPRAGUE Tel-Ohmike



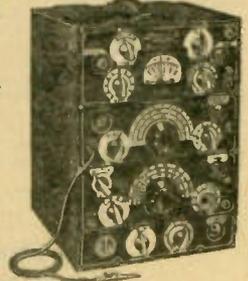
Tel-Ohmike provides a simple, accurate means for measuring capacitance and resistance. It incorporates a built-in DC volt-milliammeter and will measure capacitances on direct reading scales from .00001 to 2000 microfarads. Checks paper, mica, oil, wet and dry electrolytic condensers. Measures DC resistance from $\frac{1}{2}$ ohm to 5 megohms, and insulation resistance up to 1000 megohms. Provides power factor and leakage tests. Built-in power supply (up to 1000 v.) permits checking under direct working conditions. A "magic eye" indicates circuit resonance. The volt-milliammeter has a switch providing eight ranges: 0/15/50/500/1500 volts, and 0/1.5/15/50 DC milliamperes. Switch and pin jack permit use of volt-milliammeter for external measurement. Accurately calibrated easy-to-read dial on both meter and tuning control. The entire instrument is housed in an attractive portable case. Can be used on 110 volts, 50 to 60 cycles alternating current only. Contains a built-in line cord and has a handle for ease in carrying. The entire instrument measures only 17 $\frac{1}{2}$ "x9x6 inches. The shipping weight is 14 pounds.

K21787—Your Cost..... \$52.50

MEISSNER Analyst

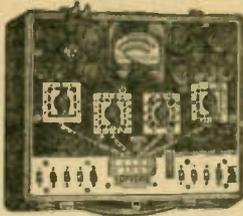
Incorporates 5 separate signal tracer channels. Each channel, on its individual panel, provides a simple fool-proof instrument that will check any receiver from antenna to speaker. All channels can be used at one time for locating intermittents, and will check a defective circuit quickly. A built-in electronic voltmeter then enables you to identify the defective part. Completely and thoroughly checks the receivers of yesterday, today, and tomorrow. The new Analyst is completely wired, aligned, and laboratory tested. Furnished complete with a full set of tubes. It is all ready to be put into service the minute it is unpacked and connected to a 110-volt AC line. No alignments or adjustments are necessary. Covers all frequencies from 100 to 1700 KC. Oscillator channel covers 600 to 15000 KC. Shielded test cables and probes, and an input impedance of 10 megohms, results in a minimum of circuit disturbance on all tests. A complete instruction book gives detailed instructions for use of this instrument in locating all kinds of trouble. Size 9 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x10 $\frac{1}{2}$ ". Wt. 35 lbs.

K21706—Model 9-1041, \$113.85
Complete.....



SUPREME test equipment

SUPREME Model 589A Tube & Battery Tester

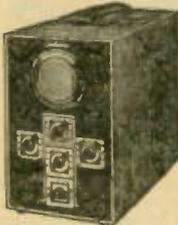


8 sockets for all, 4, 5, 6, 7, 8 prongers, local, Bantam, single-ended, midjet. Battery tester checks A and B batteries under normal load. Hot neon tests for inter-element leakage, shorts. Tests for internal opens. Phone jack for noise test. Filament voltages from .75 to 117. Roller chart lists sectional and complete tube tests. 100 to 133 volts, 50-60 cycles. $11\frac{1}{2} \times 8\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. Wt. 10 lbs.

K21753—
Your Cost **\$47.97**

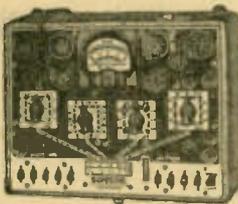
SUPREME Model 546A 3" Oscilloscope

Laboratory type oscilloscope for all radio, PA and television testing. Produces single or double image alignment patterns. Linear amplifier response from 15 to 90,000 cycles per second. Linear saw-tooth oscillator 20 to over 30,000 cycles. 1-3" C-R-T, 2-6SJ7 for vert. and horiz. amplifier circuits, 1-885 gas triode for timing oscillator circuit, 2-5Y3 rectifiers. Vert. amplifier set to pass 60 cycle square wave signal. $13\frac{1}{2} \times 11\frac{1}{2} \times 7\frac{1}{2}$ ". Wt. 23 lbs.



K21598—
Model 546A **\$87.95**

SUPREME Model 599A Tube-Battery-Set Tester



Foolproof tube checker and set tester. Ranges: DC volts: 0/6/15/150/600/1500; AC volts: 0/15/150/600 (guaranteed rectifier circuit); 4 output meter ranges: 0/15/150/600 volts; DC Ma., 0/6/60/600; Ohms .1/200/20,000/2 megs/20 megs. Tests electrolytic and paper condensers for leakage. DC range accuracy 2%; AC 3%. Battery tester checks portable "A", "B" batteries under load. Airplane luggage case, slip-hinge cover. $11\frac{1}{2} \times 8\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. Wt. 12 lbs.

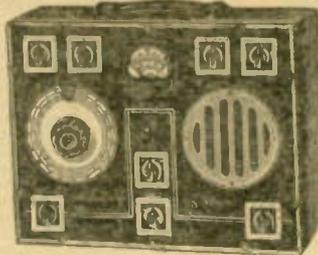
K21754—
Your Cost **\$61.25**

SUPREME Model 562 "Audolyzer"

Signal Tracer With Loudspeaker

Complete functional signal tracer. The probe may be connected to any point in the receiver, from antenna post to speaker, and will audibly indicate the presence or lack of signal at that point. Instantly discloses faulty part where signal loses gain or dies, or where distortion, intermittents, regeneration, oscillation or noise occurs. Built-in loudspeaker permits listening for defect without adjusting

Audolyzer controls for every test. 7 Range electronic voltmeter, 15 meg. impedance on all ranges: 0/1/3/10/30/100/300/1000 volts D.C. plus or minus. Checks all operating and control voltages such as grid bias, AVC, AFC, etc. without interference with set operation. Checks set oscillator and IF frequencies. Range 95 kc to 14.5 mc. Can be used as field strength meter and noise locator. 5 Ohmmeter ranges: 0/200/2000/200,000/2 meg./20 meg. Can be used with any 'scope. With cables. Oak case $15\frac{1}{2} \times 11\frac{1}{2} \times 8\frac{1}{2}$ ". Shpg. wt. 32 lbs. **\$124.46**
K21683—Your Cost Complete



SUPREME 592 Dual-Sensitivity Tester

25,000 or 1000 ohms per volt sensitivity by pressing a button. At 25,000 ohms/volt, readings can be taken in AVC, AFC or FM discriminator circuits while set is in normal operation. Ideal for detection of intermittents and noise. Ranges: DC Current 0/70/700 microamps; 0/7/35/140/350 ma, 0/1.4/14 amps; DC Volts (1000 or 25,000 ohms/volt) 0/3.5/7/35/140/350/700/1400; A.C. Volts 0/7/35/140/350/700/1400; Ohms 500 ohms to 50 megs in 6 ranges; Decibels 0 to +46 db in 5 ranges. Portable oak case $9\frac{1}{2} \times 6\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. wt. 9 lbs.

K21722—
Your Cost

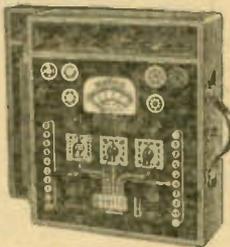


\$57.77

SUPREME 504B Tube, Battery and Set Tester

Deluxe High Speed Checker for all tubes. Tests all 4, 5, 6, 7, 8 prongers, loktals, Bantams, midjets, single ended, magic eye and hearing aid types; also gaseous rectifiers, ballasts and pilot lights. Shows internal opens. Hot neon tests for shorts and inter-element leaks. All filament voltages from .75 to 117. Exclusive tapped primary power transformer for stable line voltage adjustment. Patented switching system automatically reconnects all sockets for any future tube base connection lay-out. No worry about spare sockets, adapters or rewiring for new tubes. Roller tube chart lists all complete and sectional tube tests; 1-year free chart revision service. Built-in battery tester checks batteries under normal load conditions. Electrolytic condenser leakage test. Noise test provides jack for external connection of phones for audible detection of noise or leakage between elements. Large high torque meter. Meter ranges: 0/5/25/100/250/500/1000/2500 D.C. volts; D.C. current 0/5/2.5/10/50/250 ma., 0/1/10 amps.; A.C. volts 0/5/10/50/250/1000 (also output meter); 1/200/2000/20,000 ohms on internal battery, 0/2/20 megs. on internal power pack. Natural solid oak case with slip-hinge cover, $14\frac{1}{2} \times 12\frac{1}{2} \times 4\frac{1}{2}$ ". Large tool compartment. With instructions. Shpg. wt. 20 lbs.

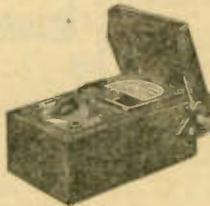
K21678—Your Cost **\$87.71**



SUPREME Model 542M Pocket Multi-Meter

Compact test instrument with a highly sensitive meter. DC ma ranges: 0/0.3/6/30/150; DC volts 0/6/150/300/1500; AC volts 0/6/30/150/600; DB -6 to +10, +8 to +24, +22 to +38, +34 to +50; 4 output ranges. 3", 200 microamp meter (5000 ohms/volt). 4 ohmmeter ranges up to 2 megs. Battery operated, $5\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{4}$ ". Wt. 4 lbs. **\$25.63**
K21733—Your Cost

Model 542B and 543B same as 542M and 543M but in bakelite case, less snap-on cover.
K21608— **\$23.18** **K21470—** **\$18.57**
Model 542B Model 543B



SUPREME Model 543M Tester

Similar in appearance to the model 542M listed above. Has 3" meter with knife-edge pointer. Sensitivity 1,000 ohms per volt. Ranges: DC Volts—0/15/150/600/3000. AC Volts—0/15/150/600/3000. DC Ma.—0/6/60/600. Ohms—0/2000/200,000 with built-in battery. Accuracy 2% DC, 3% AC. Metal case with snap-on cover, size $5\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{4}$ ". Shpg. wt. 3 lbs. **\$21.02**
K21746—Your Cost

SUPREME Model 561 AF-RF Oscillator

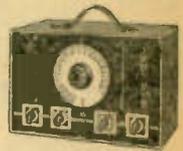


5 types of signal output—Variable audio from 15 to 15,000 cycles. Unmodulated RF from 65 KC to 20.5 MC. Variable audio modulated output. Frequency modulated RF. Means for varying the percentage of audio modulation from 0 to 80%. $15\frac{1}{2} \times 11\frac{1}{2} \times 8\frac{1}{2}$ ". Shpg. Wt. 33 lbs.

K21717—
Model 561 **\$133.86**

SUPREME Model 563 B. F. Audio Generator

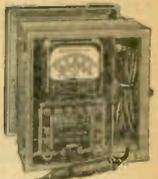
Covers the complete audio spectrum; is variable from 15 to 15,000 cycles. Frequency calibrated directly in cycles on dial. 3 output impedances: 250, 500, 5,000 ohms. Output has virtually flat frequency amplitude characteristic within + or - 1 db from 30 to 10,000 cycles. Distortion from all causes less than 5% at any frequency. $13\frac{1}{2} \times 9 \times 6\frac{1}{2}$ ". Wt. 21 lbs.



K21471—
Your Cost **\$61.69**

SUPREME Model 565 Vacuum Tube Voltmeter

An electronic voltmeter incorporated into a beautiful case and panel. New type of hand-fitting probe allows ease of measurements, and handles just as any ordinary test lead. Probe includes a new hi-frequency diode. DC ranges: 0/1/2.5/10/50/250/500; AC 0/1/2.5/10/50/250; DC input resistance 40 to 80 megs; AC 20 to 40 megs. Input capacity 9 mmfd. $9\frac{1}{2} \times 4\frac{1}{2} \times 9\frac{1}{4}$ ". Shpg. Wt. 11 lbs.



K21411—
Your Cost **\$62.23**

SUPREME Model 576 Signal Generator

A signal generator that represents the ultimate in simplicity of operation. All ranges read on 2 basic scales, accurately calibrated at both ends. RF Ranges: 65-205 KC; 650-2050 KC; 2050-6500 KC; 6.5-20.5 MC. Fundamentals. Audio: 400 cycles—voltage output continuously variable from maximum to minimum. RF carrier modulated at approx. 50% at 400 cycles. Can be cut off to provide unmodulated signal. 110-125 volts, 50-60 cycles. $9\frac{1}{2} \times 8\frac{1}{2} \times 7\frac{3}{8}$ ". Wt. 15 lbs.

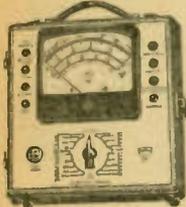


K21667—
Your Cost **\$67.57**

To Speed Handling of YOUR Order—Use Our Order Blanks

TRIPLETT test equipment

TRIPLETT Model 2405 Volt-Ohm-Milliammeter



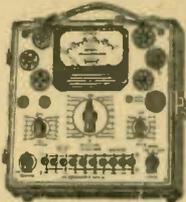
New engineering design and wide versatility are featured in this instrument. 40 micro-amp meter movement provides extreme sensitivity of 25,000 ohms/volt. 6" guaranteed meter. Self-contained 1 1/2 volt and 22 1/2 volt batteries furnished. Ranges: DC Volts 0-10/50/250/500/1000; DC amps 0-10; DC Ma. 0-1/10/50/250; DC Microamps 0-50; AC Volts 0-10/50/250/500/1000, at 1000 ohms/volt; AC Amps 0-5/1/5/10; 0-4000/40,000 ohms; 0-4/40 megohms; DB -10 to +15, +29, +43, +49, +55. Plug-in rectifier simplifies replacement in case of accidental damage by overloading. Banana plug-alligator clip test leads furnished. Baked enamel case, 10x10x5 1/2". Wt. 14 lbs. K21502—

Your Cost Complete..... \$55.61

Model 2400—Same as Model 2405, but DC Volts at 5000 ohms/volt, instead of 25,000, and 0-250 micro-amps instead of 0-50.

K21506—Shpg. wt. 14 lbs. **\$48.51**
Your Cost, Complete.....

TRIPLETT Model 2425 Portable Tube Tester



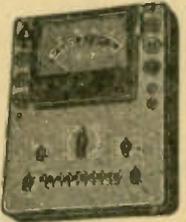
The very latest in transconductance tube testers, this model tests receiving tubes, gaseous rectifiers, ballast tubes, and pilot lamps. Simplified settings assure maximum speed in operation. Switching circuit gives individual control for each tube element. Neon short test shows slightest inter-element short or leakage while cathodes are hot. Easy to read panel with direct reading micromho scale 0-2500/5000/10,000. Fil. volt range 0-75/1.2/1.4/1.5/2/2.5/3.3/5/6.3/7.5/12.6/25/32/50/70/85/95/100/110. For 4, 5, and 6 prong tubes, 7 prong large and small, 8 prong octal, 9 prong loctal, 5 prong bantam, 7 prong miniature, 7 prong subminiature, and one spare. 10x10x5 1/2". Quick reference tube chart supplied. 110 v, 60 cycles AC. Shpg. wt. 14 lbs. K21516—Complete.....

\$63.21

Mod. 3225—As above but counter tester.

K21517—**\$73.99**
Your Cost.....

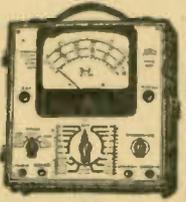
TRIPLETT Model 3212 Counter Tube Tester



Professional counter tester for servicier and dealer. Handles receiving tubes, gaseous rectifiers, ballast tubes, and pilot lamps. Full range of filament voltages 0-75/1.2/1.4/1.5/2/2.5/3.3/5/6.3/7.5/12.6/25/32/50/70/85/95/100/110. 5 1/2" scale reads BAD, GOOD, in red, yellow, and green sections. Sockets to accommodate all tube bases, 4, 5, and 6 prong, 7 prong large and small, 8 prong octal and loctal, 5 prong bantam, 7 prong miniature and sub-miniature, and one spare. Neon indicator short test shows inter-element short or leakage under operating conditions. 3 position lever switching makes this tester fast and flexible. Operates from 60 cycle, 110 volt line. New metal "square line" case, with two-tone hammered baked-on enamel finish. Dim. 15x11 1/2 x 6". Illuminated Speed Roll Chart below Switch Panel for quick easy setting. Shpg. wt. 15 lbs. K21518—

Your Cost Complete..... \$62.23

TRIPLETT Model 2450 VT-Volt-Ohm-DB- Milliammeter



This electronic volt-ohm-milliammeter is useful for FM and Television work and for any sensitive circuit requiring a high impedance measuring device. DC Volt ranges 0-2.5/10/50/250/500/1000; AC volts 0-2.5/10/50/250/500/1000; DC Milliamps 0-0.1/1/10/50/250/1000;

Ohms 0-1000/10,000/100,000; Megohms 0-1/10/100/1000; capacity in mfd. 0-.005/.05/.5/5/50. The scale is 5 1/2" long, the meter guaranteed. Load impedance is 51 megohms at low frequencies on DC volts. High freq. circuit loading is equal to 8 megohms shunted by 5 mmfd. 115 volt, 50-60 cycle, positive and negative supplies are regulated to maintain accuracy. Detachable vacuum tube probe furnished for RF voltage measurements. Bridge circuit prevents meter overload and damage on all volt and ohm readings. Capacity measuring circuit accommodates paper and mica capacitors. Metal case with brown hammered enamel finish, 10x10x5 1/2" overall. Shpg. wt. 14 lbs. K21521—

Your Cost Complete..... \$97.51

TRIPLETT Model 625-N Volt-Ohm-Milliammeter



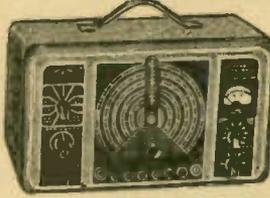
DC voltage ranges with dual sensitivity (10,000 and 20,000 ohms/volt) provide for double the number of full scale readings. AC voltage ranges at 10,000 ohms/volt permit checking many audio and high impedance AC circuits. Ideal for checking television circuits. Ranges DC Volts 0-1.25/5/25/125/500/2500, 20,000 ohms/volt; 0-2.5/10/50/250/1000/5000, 10,000 ohms/volt; AC Volts 0-2.5/10/50/250/1000/5000 at 10,000 ohms/volt; DC Microamps 0-50; DC Ma 0-1/10/100/1000; DC Amps 0-10; 0-400 ohms; 0-50,000 ohms; 0-10 megohms. Capacity check of paper condensers is possible by following data in instruction book. 50" banana plug, test leads included. Long readable 5" scale arc. Compact, molded insulated case, 6x5 1/2 x 2 1/2". Shpg. wt. 4 lbs. K21504—

Your Cost..... \$44.10

Model 629—Carrying Case for Model 625N

K21505—**\$5.15**
Complete.....

TRIPLETT Model 1632 Signal Generator

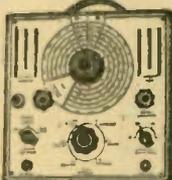


Wide range signal generator providing continuous coverage from 100 kc to 120 mc, all fundamentals. Ideal for AM, FM, Television ser-

ving. Metered output to multiplier and attenuator. Heterodyne detector permits checking oscillator by beating against self contained crystal or external signal. Output available at the end of coaxial cable. Provision for external modulation at AF or RF. Positive vernier dial tuning control. Permeability adjustments and tubular air trimmers used for maximum accuracy and stability. All circuits shielded to eliminate strays; low loss insulation throughout. Streamlined metal case 15x9x6 3/4"; with black enameled finish. Voltage regulated supply. Ranges Band A 100-200 kc; B 200-400 kc; C 400-820 kc; D 820-1700 kc; E 1.7-3.15 mc; F 3.5-7 mc; G 7-14.5 mc; H 14.5-27.5 mc; I 27.5-55 mc; J 55-120 mc. Wt. 25 lbs. K21789—

Your Cost Complete..... \$107.80

TRIPLETT Model 2432 Signal Generator

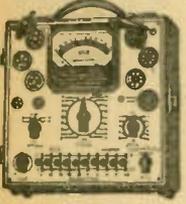


In six overlapping bands, a frequency range from 75 kc to 50 mc is covered. Approx. 30% internal modulation at 400 cycles. A 400 cycle audio signal is available at panel jacks. Air trimmer capacitors, permeability adjusted coils, and electron-coupled oscillator circuit provide in-

creased stability. Directly geared, aluminum dial permits accurate settings. Fine and coarse variable attenuation. Coaxial cable output lead minimizes losses. Separate coaxial fittings for RF and AF output connections. Uses one each 6S7J, 6J5, 6S6GT and VR-150-30. The 115 volt 50-60 cycle power supply is voltage regulated for increased oscillator stability. Metal case with tan, hammered enamel finish, size 10x10x6 3/4". Entire RF and AF assembly enclosed in separate shields. Strong second and third harmonic signals provide for extending coverage to the new FM bands. Internally shielded power transformer. Filtered power line. Shpg. wt. 16 lbs. K21507—

Your Cost Complete..... \$86.73

TRIPLETT Model 2413 Counter or Portable Tester



Designed for both counter and portable use, this tester handles receiving tubes, gaseous rectifiers, ballast tubes, and pilot lamps. Guaranteed meter, scale 3.5". Fil. Volt Range. 75/1.2/1.4/1.5/2/2.5/3.3/5/6.3/7.5/12.6/25/32/50/70/85/95/100/110. Sockets for 4, 5, and 6 prong tubes, 7 prong large and small, 8 prong octal and loctal, 5 prong bantam, 7 prong miniature and sub-miniature, and 1 spare. Neon short test detects shorts and leakage. Counter style, enamel finish case, 10x10x5 1/2". Book type chart simplifies testing. Wt. 14 lbs. K21519—

Your Cost..... \$48.51

Roll Chart

Attachment for Models 2413 and 2425 testers. Makes testing quick, sure. Fits in carrying case.

K21520—**\$4.90**
Complete.....

TRIPLETT Model 666-H Pocket Volt-Ohm- Milliammeter



Ranges AC-DC Volts 0-10/50/250/1000/5000 at 1000 ohms per volt. DC Milliamps 0-10/100/500. Resistance 0-300 ohms (shunt-type circuit) 10 ohms center scale. 0-250,000 ohms (series type) 3700 ohms center scale. Selector switch for all instrument readings. Higher resistance measurements are available by using external batteries. Knob operated adjustments for resistance ranges. The 3" meter is guaranteed and provides a long two-color scale to facilitate reading. Black molded case and panel, completely insulated. Size 3 1/2 x 5 1/2 x 2 1/2". Complete with self-contained batteries and test leads. Shpg. Wt. 2 1/2 lbs. K10475—

Your Cost Complete..... \$19.60

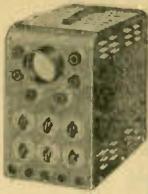
Model 669 Carrying Case

Leather carrying case for 666-H Pocket Meter. Snap-on cover, sturdy strap handle.

K21579—**\$3.92**
Your Cost.....

Oscilloscope CRO-3A

Portable and compact. Used for study of wave shapes and transients, measurement of modulation, adjustment of radio transmitters, determination of peak voltages, and tracing of electronic tube characteristics. Operates from 115V 60 cycle power source.



Wide Sweep Circuit: Sweep rates from 20 to 30,000 cycles per second, adjustable by 7 point switch, with vernier for fine adjustment.
High Deflection Sensitivity: Vertical plates through amplifier 0.3 rms. volts per inch; horiz. plates through amp. 0.3V rms. per inch.
Max. Input Potential: 500 V rms. either amp.

Input Impedance: Vertical amplifier, 1 meg. ohm in parallel with 45 mmf.; horizontal amplifier, 1 megohm in parallel with 50 mmf.
Viewing Screen: Comes with 3AP1 CRT whose screen is viewed in daylight.

Freq. Response: Vertical amplifier—20 to 100 KC sinusoidal cycles $\pm 10\%$; horizontal amplifier—20 to 70 KC sinusoidal cyc. $\pm 10\%$.
Conveniently Located Controls: All controls are located on the front panel. Case 8" x 12 1/2" x 13". Weight 25 lbs.

K21629—Model CRO-3A
Your Cost **\$77.91**

Beat Freq. Audio Osc. AO-2

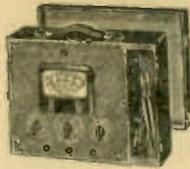
Designed to simplify the measurements of audio amplifiers and radio receiver fidelity. This instrument can be used for the testing of loudspeakers and for frequency measurements or calibration. It provides a stable sine wave, continuously variable frequency from 25 to 15,000 cycles per second. Its practical application for use in radio makes this instrument a preferred item for every radio engineer. Full vision frequency dial. Direct calibration provided by vernier type dial. 6E5 electron-ray tube is employed to indicate zero beat while adjusting the panel control knob to obtain the proper relationship between the two high frequency oscillators. The panel control knob controls the output level continuously from zero to full power output. Maximum output obtainable is 120 milliwatts. Distortion of waveform is less than 3% above 50 cps. at 60 mw. output and less than 5% above 100 cps. at 120 mw. output. Transformer output impedance is 500 ohms. Welded steel case in gray wrinkle. 10" x 13" x 7". Wt. 18 lbs.



K21631—Model AO-2
Your Cost **\$50.96**

Unimeter YMW-1

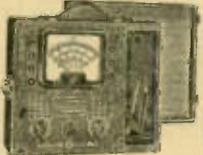
20,000 ohms per volt multi-range portable instrument. Provides for rapid, accurate measurement of volts, ohms, current and decibels. Extreme simplicity of operation. ALL functions except the 50 microamp and capacitor for output are available without changing to various jacks. AC and DC. Volts: 0-2.5/10/50/250/1000. Sensitivity: DC volts, 20K ohms per volt; AC volts, 1K ohms per volt. Output Meter: Same as AC volts through .5 mf. 600V capacitor. Decibels: -10 to +3, -2 to +15, +16 to +29, +30 to +43, +42 to +55. 0 level is 6 milliwatts in 500 ohms. Resistance: 3 ranges covering 1 to 20 megohms; R x 1, 20 ohm center 2K ohm max.; R x 100, 2K ohm center 200K ohm max.; R x 10K, 200K ohm center 20 megohm max. 0-.5/5/50/500 DC ma.; 0-50 microamps available at separate jack. 1 set 40° test leads and 2 slip-on alligator clips for test prods. 1-No. 2 flashlight cell, 2-7.5V C batteries supplied. Portable carrying case of fabricated steel with removable cover. Gray wrinkle finish. 12 1/2" x 9 3/4" x 5 1/2". Wt. 12 lbs.



K21633—Model YMW-1
Your Cost **\$64.68**

Unimeter UM-3

Portable all around utility instrument. Large faced panel instrument is calibrated and laid out to reduce the error possibility in readings. Range Coverage: DC volts—0/2 1/2/10/50/250/2500 volts all at 2000 ohms per volt, highest range at separate jack, AC volts—0/2 1/2/10/50/250/1000/2500 volts all at approximately 1300 ohms per volt, highest range at separate jack. Resistance Ranges: 0-1000/100,000/1 megohms—center scale values are approximately 10, 1000 and 10,000 respectively with self-contained battery. Direct Current: 0/1/10/100 milliamperes, 0/1/10 amperes. The two ampere ranges are obtainable on two separate jacks. DB Calibrations: -12 to +55 DB in 5 ranges, 6 milliwatts into 500 ohms is used as 0 reference level. Accessories supplied: High grade test prods. Welded steel case with rounded corners, removable snap-on cover, including pocket for accessories. Size 9" x 10" x 4 3/8". Weight 9 1/4 lbs.



K21634—Model UM-3
Your Cost **\$34.30**

Oscilloscope CRO-5A

Electronically regulated potentials to withstand all power line changes. 105-125V 60 cycle supply. Power consumption 100 watts.



Vertical Amplifier: Input impedance 1.25 meg., 50 mmf.; sensitivity .02V rms./inch; input range 5-500V rms.; amplifier gain 750; amplitude variation not more than +0% or -10% from 20 to 350,000 sinusoidal cycles, and not more than 50% down at 900,000 sinusoidal cycles; square wave response 20-10,000 cycles; attenuator 2-step capacity compensated, with vernier.

Horizontal Amplifier: Input impedance 3.3 meg., 32 mmf.; sensitivity 2V rms./inch; maximum input 5V rms.; amplifier gain 70; amplitude variation not more than +0% or -10% from 20 to 200,000 sinusoidal cycles, and not more than 50% down at 600,000 sinusoidal cycles.

Sweep Generator: 20-20,000 cycles in 5 steps; synch control internal, external and 60 cycles; not more than $\pm 15\%$ non-linearity over 80% sweep.

Cathode Ray Tube: Deflection factor vertical axis 33V dc./inch, horizontal axis 31V dc./inch; 14" x 8" x 19". Wt. 40 lbs.

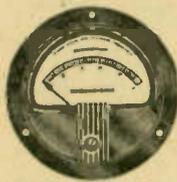
K21632—GE CRO-5A
Your Cost **\$164.15**

Tube Checker TC-3A

Latest emission-type tube checker. No switching required to apply filament voltage to the most common filament pins for each base type. For other filament arrangements, 8 lever switches are provided for the proper connections. 10 lever switches connect other elements to proper voltages for quality test; usually no more than 4 of these switches are used. Makes quality tests, short tests, provides a dc. voltmeter for general use. Works off 110-130V 50-60 cyc. ac. 11 position line adjuster tap switch. Fil. volt positions 1/1.5/2/2.5/5/6.3/7/12.5/25/30/45/70/117. 9 test sockets for 4, 5, 6 prong standard, 7 prong combination, 8 pin octal, 2 spare positions. Test switch: 7 position rotary—position 1, 2, 3 and 4 for short test, position 5 is line voltage, positions 6, 7 are 1st and 2nd output respectively. Test voltages: 1st output 100V ac., 2nd output 250V ac., short test 100V dc., 400 popular tube types on tube chart in cover. DC voltmeter 0-10/100/1000V. 14x14x1 3/4". Wt. 13 lbs.



K21630—Model TC3A
Your Cost **\$54.88**



3" Round Case Shroud Style

Diameter of flange, 3 1/2", body 2 3/4" scale 2 1/4" long. Molded bakelite case. Illustration shows 0 to 1 milli-ampere DC meter. Other models listed below.

SIMPSON PANEL METERS

These panel meters are sturdy precision instruments. Furnished in either round or rectangular shape and provide the variety of ranges listed below. Expressly made so that individual chassis design requirements can be satisfied. Compact construction insures against heavy vibration. All models have set-screw for zero adjustment. Sufficiently long terminals protrude from rear of case for ease in making connections.

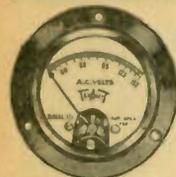
3" Rectangular Case



3" Round Case Model 26		3" Rectangular Case Model 27	
Stock No.	Your Cost	Stock No.	Your Cost
DC Milliammeters			
K10723	\$7.50	K10736	\$7.50
K10724	6.61	K10737	6.61
K10725	6.61	K10738	6.61
K10726	6.61	K10739	6.61
K10727	6.61	K10740	6.61
K10728	6.61	K10741	6.61
K10729	6.61	K10742	6.61
K10735	6.61	K10743	6.61
DC Voltmeters			
K10744	\$6.61	K10751	\$6.61
K10745	6.61	K10755	6.61
K10746	6.61	K10756	6.61
K10747	6.61	K10757	6.61
K10748	6.61	K10767	6.61
K10749	8.23	K10768	8.23
K10750	8.23	K10769	8.23
AC Milliammeters			
K10772	\$6.17	K10776	\$6.17
K10773	6.17	K10777	6.17
K10774	6.17	K10778	6.17
K10775	6.17	K10779	6.17

3" Round Case Model 26		3" Rectangular Case Model 27	
Stock No.	Your Cost	Stock No.	Your Cost
DC Voltmeters (1000 ohms per volt)			
K10687	\$ 9.70	K10693	\$ 9.70
K10689	10.29	K10694	10.29
K10690	10.58	K10695	10.58
K10692	13.23	K10696	13.23
DC Ammeters			
K10697	\$6.61	K10703	\$6.61
K10698	6.61	K10704	6.61
K10699	6.61	K10705	6.61
K10700	6.61	K10706	6.61
Model 56			
K10707	\$6.17	K10710	\$6.17
K10708	6.17	K10711	6.17
K10709	6.17	K10712	6.17
Model 57			
K10713	\$6.17	K10718	\$6.17
K10714	6.17	K10719	6.17
K10715	6.17	K10720	6.17
K10716	6.47	K10721	6.47
K10717	8.08	K10722	8.08

TRIPLETT and SHURITE panel meters



TRIPLETT ROUND AND SQUARE CASE PANEL METERS

Incorporate precision engineering, the finest materials and workmanship. Molded cases, all terminals molded in. Sapphire jewels in adjustable screws. Accuracy within 2%.

D.C. Milliammeters—Round and Square Case

Range	2" Round 221T		2" Square 227T		3" Round 321T		3" Square 327T		4" Square 426	
	No.	No.	Each	No.	No.	Each	No.	Each	No.	Each
0-1	K11208	K11288	\$5.39	K11200	K11320	\$6.54	K11336	\$8.01		
0-1.5	K11209	K11289	5.39	K11201	K11321	6.54				
0-3	K11415	K11290	5.39	K11411	K11322	6.54				
0-5	K11416	K11298	4.58	K11412	K11323	5.39	K11337	6.86		
0-10	K11210	K11299	4.58	K11202	K11324	5.39	K11338	6.86		
0-15	K11211	K11300	4.58	K11203	K11325	5.39	K11339	6.86		
0-25	K11398	K11306	4.58	K11394	K11326	5.39	K11340	6.86		
0-50	K11212	K11309	4.58	K11204	K11327	5.39	K11341	6.86		
0-100	K11213	K11311	4.58	K11205	K11328	5.39	K11342	6.86		
0-150	K11417	K11312	4.58	K11413	K11329	5.39	K11343	6.86		
0-200	K11214	K11313	4.58	K11206	K11330	5.39	K11344	6.86		
0-250	K11418	K11314	4.58	K11414	K11331	5.39	K11345	6.86		
0-300	K11287	K11315	4.58	K11395	K11332	5.39	K11346	6.86		
0-500	K11215	K11316	4.58	K11207	K11333	5.39	K11347	6.86		
0-750	K11400	K11317	4.58	K11396	K11334	5.39	K11348	6.86		
0-1000	K11401	K11318	4.58	K11397	K11335	5.39	K11349	6.86		

D.C. Microammeters—Round and Square Case

Range	No.	No.	Each	No.	No.	Each	No.	Each
0-50				K11352	K11354	\$15.35	K11358	\$20.41
0-100				K11353	K11355	13.72	K11359	18.30
0-200	K11432	K11350	\$8.01	K11434	K11356	11.10	K11360	12.57
0-500	K11433	K11351	6.86	K11435	K11357	8.50	K11361	9.63

A.C. Voltmeters—Round and Square Case

Range	2" Round 231S		2" Square 237S		3" Round 331S		3" Square 337S		4" Square 431	
	No.	No.	Each	No.	No.	Each	No.	Each	No.	Each
0-5	K11280	K11449	\$4.58	K11273	K11459	\$5.39	K11466	\$6.86		
0-10	K11281	K11454	4.58	K11274	K11460	5.39	K11467	6.86		
0-15	K11282	K11455	4.58	K11275	K11461	5.39	K11468	6.86		
0-25	K11283	K11456	4.58	K11276	K11462	5.39	K11469	6.86		
0-50	K11284	K11380	4.58	K11277	K11381	5.39	K11382	6.86		
0-150	K11286	K11457	5.39	K11279	K11463	6.54	K11470	8.33		
0-300	K11409	K11458	6.69	K11406	K11464	7.53	K11383	9.15		
0-150				K11408	K11465	8.65				

D.C. Voltmeters

Model 321T—1000 Ohms/Volt		
No.	Range	Each
K11240	0-10	\$7.52
K11241	0-50	
K11242	0-100	\$7.84
K11243	0-150	
K11244	0-500	\$9.97

D.C. Voltmeters

125 Ohms per Volt					
Model 321T		Model 221T			
No.	Each	Range	No.	Each	
K11230	\$5.39	0-5	K11247	\$4.58	
K11231		0-10	K11248		
K11232		0-15	K11249		
K11233		0-25	K11250		
K11234	\$5.39	0-50	K11251	\$4.58	
K11236		0-150	K11253		
K11237	\$6.54	0-250	K11254	\$5.49	
K11404	8.50	0-500	K11405	6.93	

Meter Dimensions

Model	Flange	Body Dia.
221-T, 241-T	2 1/4"	2 1/8"
231-S	2 1/4"	2 1/8"
227-T, 247-T	2 3/8"	2 1/8"
237-S	2 3/8"	2 1/8"
321-T, 341-T	3 1/8"	2 3/8"
331-S	3 1/8"	2 3/8"
327-T, 347-T, 337-S	3"	2 3/8"
426, 436, 446	4 1/4 x 4"	3 1/8"

Thermo-Ammeters with External Couple

Model 341T 3" Round			Model 241T 2" Round		
No.	Each	Amps.	No.	Each	
K11389	\$9.26	0.5	K11428	\$8.33	
K11391		1.0	K11425		
K11390		1.5	K11430		
K11392		2.5	K11426		
K11393		5.0	K11427		

Replacement couples on order, any range, specify. Each \$3.76

A.C. Milliammeters

Model 331S			Model 231S		
No.	Each	Ma.	No.	Each	
K11419	\$6.37	0-10	K11420	\$5.07	
K11265	\$5.39	0-15	K11269	\$4.58	
K11266		0-25	K11270		
K11267		0-50	K11271		
K11268	\$5.39	0-100	K11272	\$4.58	
K11421		0-250	K11423		
K11422		0-500	K11424		

A.C. Ammeters

Model 331S		Model 231S		
No.	Each	Amps.	No.	Each
K11255	\$5.39	0-1	K11260	\$4.58
K11256		0-3	K11261	
K11257	\$5.39	0-5	K11262	\$4.58
K11258		0-10	K11263	
K11259	\$6.54	0-25	K11264	\$5.39
K11429		0-30	K11384	
K11431	\$8.33	0-50	K11385	\$6.86

D.C. Ammeters

With internal shunt.					
Model 321T			Model 221T		
No.	Each	Amps.	No.	Each	
K11216		0-1	K11223		
K11372		0-3	K11376		
K11217		0-5	K11224		
K11218	\$5.39	0-10	K11225	\$4.58	
K11373		0-15	K11377		
K11374		0-25	K11378		
K11375		0-30	K11379		

Thermo-Ammeters with Built-in Couples

For r.f. measurements, ant. radiation indication, etc.

Model 341T 3" Round			Model 347T 3" Square		
No.	Each	Amps.	No.	Each	
K11229	\$6.34	0.5	K11220		
K11235		1.0	K11221		
K11238		1.5	K11222		
K11239		2.5	K11227	\$6.34	
K11246		5.0	K11228		



SHURITE Square and Round Meters

Model 550, round with clamp, black. Model 950, square, black enameled. Both require 2 1/4" hole. DC: Polarized vane solenoid type; AC: double vane repulsion type. Accuracy within 5%.



*H—Denotes high resist.

D.C. Milliammeters

Model 550			Model 950		
No.	Each	Range	No.	Each	
K10978	\$1.96	0-3	K10980	\$2.11	
K11050	1.81	0-5	K11150	1.96	
K11100	1.71	0-10	K11151	1.86	
K11101	1.32	0-15	K11152	1.47	
K11102	1.27	0-25	K11153	1.42	
K11103	1.27	0-50	K11154	1.42	
K11104	1.27	0-100	K11155	1.42	
K11105	1.27	0-150	K11156	1.42	
K11106	1.27	0-200	K11157	1.42	
K11107	1.27	0-300	K11158	1.42	
K11108	1.22	0-400	K11159	1.37	
K10979	1.22	0-500	K10981	1.37	

A.C. Milliammeters

K10982	\$2.30	0-25	K10983	\$2.45
K11087	2.30	0-50	K11000	2.45
K11088	2.30	0-100	K11001	2.45
K11089	2.30	0-250	K11002	2.45
K11090	2.30	0-500	K11003	2.45

A.C. Ammeters

K11081	\$2.30	0-1	K11004	\$2.45
K11082	2.30	0-3	K11005	2.45
K11083	2.30	0-5	K11006	2.45
K11084	2.30	0-10	K11007	2.45
K10984	2.45	0-30	K10985	2.60
K11085	2.94	0-50	K11008	3.09

A.C. Voltmeters

K11072	\$2.30	0-4	K11028	\$2.45
K11073	2.30	0-6	K11029	2.45
K11074	2.30	0-10	K11030	2.45
K11075	2.30	0-15	K11031	2.45
K10986	2.94	0-50	K10987	3.09
K11076	3.43	0-150	K11032	3.58
K11077	4.07	0-300	K11033	4.21
K11079	5.05	0-750	K11034	5.19

K11041—Model 5A Flange Adapter Ring. Your Cost \$13

D.C. Ammeters

Model 550			Model 950		
No.	Each	Range	No.	Each	
K11091	\$1.27	0-1	K11162	\$1.42	
K11092	1.27	0-3	K11163	1.42	
K11093	1.27	0-5	K11164	1.42	
K11094	1.27	0-10	K11165	1.42	
K10988	1.27	0-15	K10994	1.42	
K10989	1.57	0-25	K10995	1.71	
K10990	1.96	0-50	K10996	2.11	
K10991	1.27	1-0-1	K10997	1.42	
K11096	1.27	3-0-3	K11167	1.42	
K11097	1.27	6-0-6	K11168	1.42	
K11098	1.27	10-0-10	K11169	1.42	
K11099	1.37	20-0-20	K11170	1.52	
K10992	1.76	30-0-30	K10998	1.91	
K10993	1.96	50-0-50	K10999	2.11	

D.C. Voltmeters

K11051	\$1.22	0-1	K11009	\$1.37
K11052	1.27	0-3	K11010	1.42
K11053	1.27	0-5	K11011	1.42
K11054	1.27	0-6	K11012	1.42
K11055	1.27	0-8	K11013	1.42

LITTELFUSES for Radio Sets and Amplifiers



3AG fuses, 1 1/2"x3/4". 250 volt rating. All are Underwriters' Laboratories Approved.

Stock No.	Mfr. No.	Rating Amp.	*Resis. Ohms	Cost Each	Per Doz.
K11909	312,062	1/2	7.5	\$0.11	51.19
K12396	312,125	3/4	7.4	.09	.97
K12397	312,250	1	5.3	.09	.97
K12398	312,500	1 1/2	2.0	.09	.97
K12399	312,750	2	0.5	.09	.97
K12378	312,001	1	.22	.05	.54
K12379	312,015	1 1/2	.14	.05	.54
K12380	312,002	2	.10	.05	.54
K12381	312,003	3	.07	.05	.54
K11910	312,004	4	.036	.06	.65
K11911	312,005	5	.016	.06	.65
K11912	312,006	6	.012	.06	.65
K11913	312,008	8	.010	.09	.97

LITTELFUSE Auto Fuses

3AG, 1 1/2"x3/4". 32 volt rating. 3AG fuses are not recommended over 20 amps. because of small contact area. See 4AG listing.

Stock No.	Mfr. No.	Rating Amp.	*Resis. Ohms	Cost Each	Per Doz.
K12320	311,005	5	.032	.03 1/2	
K12321	311,010	10	.01	.03 1/2	
K12322	311,015	15	.006	.03 1/2	
K12323	311,020	20	.005	.03 1/2	

*Clip and Contact resistance of 3AG fuses average .001 ohm/clip.

Aircraft Type LITTELFUSES



Designed especially for Aircraft Service. High mechanical strength, long vibration life. 4AG, 1 1/2"x3/4". 5AG, 1 1/2"x1 1/4".

4AG Fuses				5AG Fuses			
Stock No.	Mfr. No.	Your Cost	Rating Amp.	Volts	Stock No.	Mfr. No.	Your Cost
K11914	412,001	\$0.09	1	250	K11927	512,001	\$0.09
K11915	412,002	.09	2	250	K11928	512,002	.09
K11917	412,003	.09	3	250	K11929	512,003	.09
K11918	411,005	.09	5	32	K11930	511,005	.12
K11919	411,010	.08	10	32	K11931	511,010	.12
K11920	411,015	.08	15	32	K11932	511,015	.12
K11921	411,020	.08	20	32	K11933	511,020	.12
K11922	411,025	.08	25	32	K11934	511,025	.12
K11923	411,030	.08	30	32	K11935	511,030	.12
K11924	411,035	.11	35	32	K11936	511,035	.12
K11925	411,040	.12	40	32	K11937	511,040	.12
K11926	411,050	.18	50	32	K11938	511,050	.18

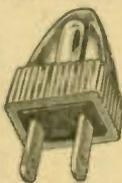
LITTELFUSES for Test Instruments



Protect delicate instruments. Break circuit immediately on reaching blow point. Length 1" diam. 1/2". May be used on 250 volts, AC or DC. High Speed action. Type 8AG.

Stock No.	Rating Amps.	Max. Load Ma.	Res. on 5 Ohms	Your Cost Each	Your Cost Doz.	V-M Ohms Per V.	To Protect Milliammeters
K12339	1/200	5	500	21c	\$2.27	over100	Gglv.
K12385	1/100	10	110	15c	\$1.62	1000	up to 0-1
K12386	1/60	25	20	15c	\$1.62	500-1000	1-10
K12387	1/30	60	5	10c	\$1.08	100-500	10-25
K12389	1/15	100	1.5	15c	\$1.62	20-100	25-75
K12388	1/10	100	3	9c	\$1.00	20-100	25-75
K12390	1/6	200	6.2	6c		10-20	75-150
K12391	1/3	300	3.0	6c		5-10	150-250
K12392	1/2	400	2.5	6c		250-350	250-500
K12393	1/1	600	.4	6c		3-5	350-500
K12394	1	1000	.24	6c	65c		500-750
K11939	1 1/2	1500	.19				750-1000
K12395	2	2000	.14				1000-1500

LITTELFUSE Neon NITE-T-LITE



New! Gives soft, diffused, glareless glow. Illuminates enough for visibility and safety. Nite-T-Lite operates from any electric light socket, s.c. or d.c. Burns month after month, the day round, at a fraction of a cent per month for current. No. 201006 is used for safety and convenience in hallways, bathrooms, nurseries, sickrooms, stores, garages, many other applications.

K11908—
Your Cost..... **35c**
24 for..... \$5.60

LITTELFUSE Neon Lamp



May be used on any voltage above a minimum of 90 volts D.C. or 65 volts A.C. provided sufficient series resistance is used to limit current to 1 ma. on steady loads. Recommended resistance 100,000 ohms for 110 volts, 200,000 ohms for 220 volts, etc. Standard octagonal switchboard lamp base. Size 1 1/2"x3/4". About 1/2 watt rating. Use in No. 211007 standard lamp jacks or in mounting below.

K11944
Your Cost..... **21c**

LITTELFUSE Panel Mtg.



For use with 211007 neon lamp above. Can be mounted on panels up to 1/2" thick. 1/2" diameter mounting hole. Black Bakelite body. 2" behind panel, 1/2" exposed. No. 231008 has a built-in 0.2 meg. resistor.

K11945—
Your Cost..... **59c**

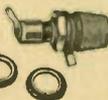
Extractor Fuse Posts



Especially constructed for replacing fuses from front of panel. Molded black bakelite body. These extractor fuse posts can be used on panels up to 1/2" thick. No. 341001 takes 3AG fuses. Length 1 1/2" from front of panel, 2 1/2" overall, 1/2" mounting hole. No. 342001 same as 341001 but finger type cap. No. 441001, screw type for 4AG fuses, 1/2" hole, length 2 1/2" from panel. No. 442001 same as No. 441001 but with finger cap. No. 571001, finger cap type for 5AG fuses, needs 1/2" hole, length 3 1/2" from panel. No. 371001, for 8AG fuses, 1/2" mounting hole. No. 372001, same as 371001, but with finger cap.

Each	Your Cost
K12326—341001.....	27c
K11900—342001.....	29c
K11901—441001.....	38c
K11902—442001.....	44c
K12328—371001.....	27c
K11904—372001.....	29c

Fusible Binding Post



A beautiful mounting designed for panel use on finest instrument equipment. Polished black knob. Overall length, 1 1/2". Extends 1 1/2" beneath panel. Requires a 1/2" diameter mounting hole. Takes panels up to 1/2" thick. Maximum diameter of knob is 3/8". No. 373003 is supplied with two extruded insulation mounting washers. For 8AG instrument type fuses only.

K11905—
Your Cost..... **44c**

Shielded 3AG Mount



Number 351005 metal hinged cover 3AG fuse mounting. Size 2 1/2" long by 3/8" wide by 1 1/2" high above panel. Requires 1 1/2" by 1/2" knockout hole. Two 6-32x1/2" mounting studs with 2-1/2" between centers. Cadmium plated cover, fiber lined. Meets Underwriters' Laboratories requirements in that a tool is required to renew fuse. Choose from following types to suit your requirements.

K12340—Your Cost..... **35c**
No. 351008, same as above but double pole. Size 2 1/2"x1 1/2"x1/2".
K12341—
Your Cost..... **44c**

Mercury Switch



Low voltage—up to 25V AC or DC. Non-inductive. Max. curr. 6a. at 6 v. for small lights in autos, thermostat control circuits. Cutaway view shows baffle which prevents splash of mercury. No. 251001 operates in any position.

K11946—Your Cost..... **9c**

"JERKIT" Fuse Puller



Pulls all fuses from 1/2" to 1 1/2" in diameter. No. 097006 is made of the strongest horn fiber, 3 3/4" long and 1/2" thick. Just "Jerkit" from circuit. Wt. 4 oz.

K11947—
Your Cost..... **15c**
10 for..... \$1.35

Bakelite Fuse Mounts



Sub-Panel Type #383001—Molded bakelite. 1" 6-32 studs. For instrument fuses only.
K12382—Your Cost..... **12c**
Same as above, but for 1 1/2"x3/4" fuses (type 3AG). #353001
K12327—Each..... **12c**

Panel Type Molded Bakelite. 1 1/2"x3/4" x 1/2". For 1" instrument type fuses only. Plated fuse clips. #381001

K12383—Your Cost..... **9c**
Same as above, but for 1 1/2"x3/4" fuses (type 3AG) #351001
K12324—Each..... **12c**
Same as K12383 but for two 1" fuses. #381002
K11940—Your Cost..... **24c**
Same as K12324 but for two 3AG fuses. #351006
K11941—Your Cost..... **24c**

"Meter Back" Fuse Mounting



Mounts directly on meter binding post. Bakelite base 1"x1 1/2"x1/2". #383002 takes 1"x1 1/2" instrument type fuses only. (8AG)
K11049—Your Cost..... **12c**

3AG Mounting



Light weight mounting, 1 1/2"x3/4" x 1/2" overall. Bakelite mounting strip with 1/2" fiber insulator on bottom for mounting on metal panels. #351003. Hole for No. 6 screw.
K11942—Your Cost..... **6c**

Flush-Lite #201001

To reduce lamp projection above panel translucent white plastic. Neon lamp has 100,000 ohms in 110-120V AC or DC. 1/2 watt. 15,000 hours lamp life at rated voltage. 1 1/2"x3/4"x1/2".
K12335—6 for \$4.25
Your Cost..... **75c**

Post-Lite #201005

For control panels of radio, television, and other electrical equipment. Circuits range from 65-130V AC; 90-130V DC. Built-in 100,000 ohm limiting resistor, 1/2 watt. Molded, clear plastic. Shock resistant. 2 1/2" long.
K12334—Your Cost..... **59c**

Fuse Clips



Highest quality phosphor bronze. #101001 will not lose spring under prolonged tension. For 3AG and 8AG fuses.
K11943—
Per 100..... **\$1.18**

"Ignition-Fritz" Tester #203005

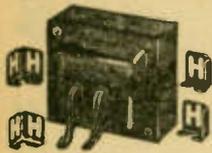
One of the finest neon tube testers. A must for radiomen, automobile owners and mechanics. Tests fuses, circuit continuity, spark plugs, ignition cables, distributor heads, static electricity, etc. Weak spark causes first tube to glow. Strong spark causes both tubes to glow. Has valve core remover, handy pocket clip, spark plug gauge. Enclosed in sturdy plastic barrel.
K12333—10 for \$3.49
Your Cost Each..... **49c**

STANCOR replacement transformers

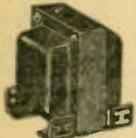
UNIVERSAL MOUNTING POWER TRANSFORMERS

- Electrostatically Shielded
- Primaries For 115 V. 50/60 Cycles

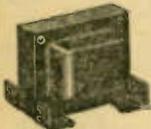
- 5 Possible Mounting Positions
- Heavy 8-Inch Flexible Leads



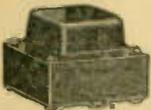
Type "M" Mount



Vertical Mount



Horizontal Mount



2 or 4 Hole Half Shell

Stock No.	Type No.	No. of Tubes	Your Cost	Plate		Rec. Fil.		Fil. No. 1		Fil. No. 2		Mtg. Area	Wt. Lbs.
				Vlts.	M.A.	V.	A.	V.	A.	V.	A.		
K1706	P-6001	4-5	\$2.65	650	40	5	2	2.5	4			2 1/2 x 3"	4
K1712	P-6002	5-6	3.38	700	50	5	2	2.5	7 1/2			2 1/2 x 3"	4
K1713	P-6003	6-7	3.53	700	70	5	3	2.5	9			2 1/2 x 3 3/4"	4
K1714	P-6004	8-9	4.15	700	90	5	3	2.5	12.5			3 1/2 x 3 3/4"	6
K1719	P-6009	6-7	3.88	550	70	5	3	5.0	2.5	10.5		2 1/2 x 3 3/4"	5
K1715	P-6005	6-7	3.88	700	70	5	3	2.5	9	2.5	3.5	2 1/2 x 3 3/4"	6
K1716	P-6006	11-13	5.12	700	120	5	3	2.5	12.5	2.5	3.5	3 1/2 x 3 3/4"	6
K1717	P-6007	10-12	5.32	800	110	5	3	2.5	15	2.5	3.5	3 1/2 x 3 3/4"	7
K1735	P-6297	4-5	2.65	480	40	5	2	6.3	2			2 1/2 x 3"	4
K1720	P-6010	4-5	2.65	650	40	5	3	6.3	2			2 1/2 x 3"	4
K1721	P-6011	6-7	3.38	700	70	5	3	6.3	2.5			2 1/2 x 3"	4
K1722	P-6012	8-9	3.82	700	90	5	3	6.3	3.5			2 1/2 x 3 3/4"	6
K1723	P-6013	11-13	4.20	700	120	5	3	6.3	4.7			3 1/2 x 3 3/4"	6
K1724	P-6014	13-15	5.53	750	150	5	3	6.3	5			3 1/2 x 3 3/4"	6
K1726	P-6165	14-16	6.41	800	200	5	4	6.3	5.5			3 3/4 x 4 1/2"	7
K1731	P-6293	6-7	3.82	600	60	5	3	6.3	2.5	2.5	7.5	2 1/2 x 3 3/4"	4
K1733	P-6295	8-9	4.47	700	90	5	3	6.3	2.5	5.0		3 1/2 x 3 3/4"	6
K1734*	P-6234†	11-13	5.82	660	90	5	3	2.5	12	6.3	4	3 1/2 x 3 3/4"	6
K1718	P-6008	14-16	5.97	750	180	5	3	6.3	3.3	2.5	6	3 1/2 x 4 1/2"	7

*K1734—P-6234 has an additional 2.5 V. at 1.75 amp. CT Filament winding.

SPECIAL 6.3 V. TRANSFORMERS FOR SETS USING P.M. SPEAKERS

Stock No.	Type No.	No. of Tubes	Your Cost	Plate	Rec. Fil.	Fil. No. 1	Fil. No. 2	Mtg. Area	Wt. Lbs.		
K1785	P-6289	5-6	\$2.65	420	40	5	2	6.3	2	2 1/2 x 3"	4
K1786	P-6119	6-7	2.68	600	55	5	2	6.3	2.7	2 1/2 x 3"	4
K1787	P-6120	7-9	3.56	630	70	5	3	6.3	3.5	2 1/2 x 3 3/4"	6
K1741	P-6312	7-8	4.06	580	90	5	3	6.3	2.8	3 1/2 x 2 1/4"	6
K1743	P-6313	11-13	4.50	580	125	5	3	6.3	4.5	4 1/2 x 3 1/2"	7
K1744	P-6314	14-16	6.29	700	200	5	3	6.3	5.5	4 1/2 x 3 3/4"	8
K1745	P-6315	16-18	8.58	740	275	5	3	6.3	7.0	4 1/2 x 3 3/4"	9

UNIVERSAL OUTPUT TRANSFORMERS

(All have secondaries adjustable from 1 to 30 ohms)

No.	Type	Primary Ohms	Mtg.	Ctrs.	Lbs.	Each
K1675	A-3856	All for Single	Q	2 1/2"	1	\$1.32
K1637	A-3823	or P. P. Plates	Q	2 1/2"	1	1.32
K1671	A-3850	4000, 7000, 8000,	J	2 1/2"	1	1.32
K1673	A-3852	10M, 14M CT	J	2 1/2"	2	1.71
K1678	A-3890		E	2 1/2"	2	2.79
K1670	A-3849*	1500, 2000, 4000, 5000, 7000, 10,000	Q	2 1/2"	1	1.32
K1666	A-3830†	3000, 5000, 6600, 7000, 8000, 10,000 CT	J	2 1/2"	3	2.50

* For battery radios. † Designed for tubes with large output.

FILAMENT TRANSFORMERS

All 110v a.c. input. All secondaries center tapped.

Stock No.	Type No.	Secondary V.	A.	Mt. Type	Dimensions H x W x D	Lbs.	Your Cost
K1754	P-6133	2.5	5	S	2 1/2 x 2 1/2 x 2 1/2"	2	\$1.71
K1790	P-4088	5	3	J	3 1/2 x 2 1/2 x 2 1/2"	2	2.00
K1756	P-6134	6.3	1.2	A	1 1/2 x 3 1/2 x 1 1/2"	2	1.21
K1779	P-5014	6.3	3	J	3 1/2 x 2 1/2 x 2 1/2"	2	2.09
K1775	P-3064	6.3	6	J	3 1/2 x 2 1/2 x 2 1/2"	3	2.50
K1780	P-5015	7.5	4	J	3 1/2 x 2 1/2 x 2 1/2"	3	2.15
K1781	P-5016	10	4	J	3 1/2 x 2 1/2 x 2 1/2"	3	2.70

REPLACEMENT DRIVER TRANSFORMERS

Stock No.	Type No.	Impedance Pri.	Sec.	Ratio	Mtg.	Ctrs.	Lbs.	Your Cost
K1684	A-4712*	20M	2.2M	3:1	A	2 1/2"	1	\$1.32
K1685	A-4713	10M	2.5M	2:1	A	2 1/2"	1	1.32
K1688	A-4723	10M	1.1	3:1	A	2 1/2"	1	1.32
K1687	A-4722	10M	10M	1:1	E	2 1/2"	2	2.15
K1682	A-4401	10M	1.4M	2:1	J	2 1/2"	2	1.91
K1689	A-4734	10M	1.6M	2.5:1	A	2 1/2"	2	1.56

FILTER CHOKES TYPE A

Stock No.	Type No.	Hen-rys	Cur. M.A.	D.C. Ohms	Dimensions H x W x D	Lbs.	Your Cost
K1698	C-1706	4.5	50	300	1 1/2 x 2 1/2 x 1 1/2"	1	\$0.82
K1699	C-1707	6	50	500	1 1/2 x 2 1/2 x 1 1/2"	1	.82
K1690	C-1708	13	65	460	1 1/2 x 3 1/2 x 1 1/2"	2	1.06
K1701	C-1709	8	85	250	1 1/2 x 3 1/2 x 2 1/2"	2	1.41
K1702	C-1710	7	150	200	2 1/2 x 4 x 2 1/2"	3	1.79
K1623†	C-1003	16	50	550	1 1/2 x 3 1/2 x 1 1/2"	2	1.09
K1624	C-1002	15	75	400	2 1/2 x 3 1/2 x 1 1/2"	2	1.50
K1625	C-1001	10.5	110	200	2 1/2 x 4 x 2"	3	1.88
K1626*	C-1034	8	30	1150	1 1/2 x 2 1/2 x 1 1/2"	2	1.35
K1583	C-2303	2.5	180	100	2 x 3 1/2 x 1 1/2"	2	1.32
K1584	C-2304	2.3	150	65	2 x 3 1/2 x 1 1/2"	2	1.32
K1585	C-2305	4.8	100	275	2 1/2 x 2 1/2 x 2 1/2"	2	1.79
K1586	C-2309	3.3	150	90	2 1/2 x 3 1/2 x 1 1/2"	2	1.56

*Center tapped. †Output chokes.

A.C.-D.C. CHOKES TYPE A

Stock No.	Type No.	Hen-rys	Cur. M.A.	D.C. Ohms	Dimensions H x W x D	Lbs.	Your Cost
K1703	C-1723	5.5	50	330	1 1/2 x 2 1/2 x 1 1/2"	1	\$0.82
K1694	C-1080	4.5	50	200	1 1/2 x 2 1/2 x 1 1/2"	1	.85
K1697	C-1325	6.5	50	250	1 1/2 x 2 1/2 x 1 1/2"	1	.85
K1695	C-1227	7	50	350	1 1/2 x 2 1/2 x 1 1/2"	1	.85
K1696	C-1270	8.5	50	400	1 1/2 x 2 1/2 x 1 1/2"	1	.85



OUTPUT TRANSFORMERS

Stock No.	Type No.	Class Oper.	Tubes	Impedance in Ohms		Mx. Wts.	Mtg. No.	Your Cost	
				Prim.	Secondary				
K1663	A-3822	A	S	7M, 10M	.7 to 4	5	Q	\$1.03	
K1669	A-3848	A	S	16,000	1, 2, 4	5	Q	1.09	
K1675	A-3857	A	S	25,000	4	5	A	1.16	
K1677	A-3865	A	S	1,500	2, 4, 6	5	A	1.09	
K1640	A-3876	A	S	2,000	4	5	A	.82	
K1645	A-3877	A	S	5,000	4	5	A	.82	
K1646	A-3878	A	S	7,000	4	5	A	.82	
K1648	A-3879	A	S	10,000	4	5	A	.85	
K1649	A-3881	A	S	15,000	4	5	A	.85	
K1647	A-2201	A	Sor PP	8,000	6	10	A	1.59	
K1664	A-3824	B	S	8,000	1, 2, 4	8	Q	1.71	
K1665	A-3825	A	S	2,500	1, 2, 4	8	Q	1.41	
K1667	A-3831	B	Sor PP	10M	2, 4, 8	5	A	1.23	
K1656	A-3303	A&B	Sor PP	14M	4, 8, 15, 500	20	C	3.15	
K1657	A-3304	A&B	Sor PP	10M, 7M	4, 8, 15, 500	25	C	3.44	
K1644	A-3301	A&A	PP	3,000	4, 8, 16, 500	30	C	3.56	
K1672	A-3851	AB1	PP	4,400	4, 8, 15, 250,	500	30	C	4.29
K1590	A-3855	A	Sor PP	7,000	10, 2000	5	E	2.41	
K1661	A-3800	A&A	PP	5,000	4, 8, 15,	30	C	4.03	
K1662	A-3801	AB1	PP	6,600	250, 500	35	C	4.70	

*10% Inverse Feedback Winding.

UNIVERSAL INTERSTAGE TRANSFORMERS

Split secondaries. Primary center tapped. May be used plate to grid, pp. input or p.p. interstage. Primary will pass 10 milliamperes DC. All 3:1 ratio. Shpg. wt. each, 2 lbs.

No.	Type	Core	Mtg.	H. W. D.	Centers	Each
K1630	A-4773	3/4 x 1"	E	2 1/2 x 2 1/2"	2 1/2"	\$2.20
K1631	A-4774	3/4 x 1"	S	2 1/2 x 2 1/2 x 2 1/2"	2 1/2"	1.85
K1634	A-4775	3/4 x 1 1/2"	S	2 1/2 x 2 1/2 x 2 1/2"	2 1/2"	2.50

Push-Pull Interstage (1 Pl. to 2 G.)

Stock No.	Type No.	Core	Mtg.	H. W. D.	Centers	Each
K1651	A-53C	3:1	1 1/2 x 2 1/2 x 1 1/2"	A	2"	\$1.09
K1652	A-63C	3:1	1 1/2 x 2 1/2 x 1 1/2"	A	2 1/2"	1.26
K1690	A-4740	3:1	2 x 2 1/2 x 1 1/2"	S	2 1/2"	1.41
K1654	A-73C	3:1	2 x 2 1/2 x 1 1/2"	A	2 1/2"	1.59
K1691	A-4750	3:1	2 1/2 x 2 1/2 x 1 1/2"	E	2 1/2"	1.59
K1686	A-4719	3:1	2 1/2 x 2 1/2 x 2 1/2"	E	2 1/2"	2.82
K1587	A-62C	2:1	1 1/2 x 2 1/2 x 1 1/2"	A	1	1.26
K1588†	A-4745	2:1	2 1/2 x 2 1/2 x 2 1/2"	E	...	2.56
K1589*	A-4208	3:1	3 1/2 x 2 1/2 x 2 1/2"	C	...	3.73

* Split Secondary. † Has static shield.

May be used 1 Pl. to 1 G. by not using center tap.

Push-Pull Interstage (2 Pl. to 2 G.)

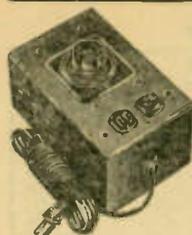
Stock No.	Type No.	Core	Mtg.	H. W. D.	Centers	Each
K1683	A-4711	1:1	1 1/2 x 2 1/2 x 1 1/2"	A	2 1/2"	\$1.59
K1681*	A-4208	1.4:1	3 1/2 x 2 1/2 x 2 1/2"	C	...	2.5

* Has split secondary.

TUBE CHECKER TRANSFORMER

For modernizing older types of tube checkers. Primary; 105, 115, 125 volts at 50-60 cycles. Secondary; 1.1, 1.4, 1.5, 2, 2.5, 3, 3.3, 5, 6.3, 7.5, 12, 25, 30, 35, 50, 70, 85, 110, 117 volts. Mtg. type A. 2 1/2 x 4 1/2 x 2 1/2"

K1966—P-1834-3. Sh



Standard VARITRAN Voltage Controls

The VARITRAN is an ideal voltage control unit of the type employing a sliding contact riding over the transformer turns. They provide continuously variable output voltages **FROM 0 TO 130 VOLTS** without interruption of the circuit. Type V-1 (illustrated) is completely shielded and includes cord, plug, and switch. Other units are completely shielded and have screw terminals on an insulated strip. All units 115 volt input.

No.	Type	Watts	Amps.	Size	Wt.	Price
K5733	V-0	230	2	4 x 6 x 4 $\frac{3}{4}$ "	10 lbs.	\$11.27
K5771	V-1	570	5	5 x 8 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	14 lbs.	17.15
K5716	*V1-M	570	5	5 x 10 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	14 lbs.	28.22
K5772	V-2	570	5	5 x 7 x 4 $\frac{1}{2}$ "	13 lbs.	14.70
K5773	V-3	850	7.5	5 x 7 x 5 $\frac{1}{2}$ "	19 lbs.	21.56
K5774	V-4	1250	11	6 $\frac{1}{2}$ x 9 $\frac{1}{2}$ x 6"	37 lbs.	31.36

*Same as V-1, but includes 0-150 volt A.C. meter.



"Linear Standard" Audios

A line of shielded highest fidelity audio transformers featuring input coils that have **lowest hum pick-up of any available**, wide range frequency response (within plus or minus 1 db. from 30 to 20,000 c.p.s.), thorough shielding and dependability. Used extensively by broadcast stations. Housed in alloy cases that have threaded 2-hole terminals for mounting (top or bottom). Telephone black enamel finish. Overall dimensions: **A**—2 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "¹; **B**—3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 4 $\frac{3}{8}$ "²; **C**—5 x 5 $\frac{1}{2}$ x 5 $\frac{1}{2}$ "³; **D**—6 $\frac{1}{2}$ x 6 $\frac{1}{2}$ x 5 $\frac{1}{2}$ "⁴.

Line Matching Units

For matching multiple line: 50, 125, 200, 250, 500 ohms. Type A case. Dual alloy shielding, hum reduction -74 db. Shpg. wt. 3 lbs

No.	Type	Match To	Each
K5401	LS-10	Single grid—60,000 ohms, 2 sections	\$14.70
K5739*	LS-10X	Single grid—60,000 ohms, 2 sections	18.82
K5402	LS-12	Multiple line to push pull grids	16.46
K5399	LS-12X	As above, 80,000 ohms.	20.58
K5403	LS-26	Bridging line to 1 or pp grids	14.70
K5405	LS-30	Multiple line to multiple line	14.70
K5404	LS-30X	As above.	18.82
K5406	LS-27	Single plate to multiple line	14.11
K5427	LS-50	Single plate to multiple line	14.11
K5428	LS-51	PP low-level plates to multiple line	14.11
K5422	LS-20	Single plate to single grid	12.35

*—Quadruple alloy shielding, hum reduction -92 db.

Interstage Transformer

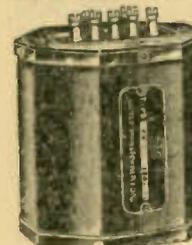
No.	Type	Application	Case	Lbs.	Each
K5423	LS-21	1 plate to 2 grids. 2 $\frac{1}{2}$:1	A	4	\$14.17
K5409	LS-52	PP to 2A3, 6V6, 42, 2A5, A prime			16.46
K5411	LS-54	Same as above			11.76
K5414	LS-57	Same as above			11.76
K5415	LS-58	PP parallel, 2A3, 6A5, 6A3, 300A			29.40
K5418	LS-61	PP 6B5, 6A6, 53, 6P6, 71A, 59, 79, 89			16.46
K5420	LS-63	Same as above			11.76

Output Transformers

To voice coil secondary: 30, 20, 15, 10, 7.5, 5, 2.5, 1.2 ohms. K5412 in type B case, K5398 in C case; K5412—8 lbs.; K5398—16 lbs.

No.	Type	Pri. Imped.	Typical Tubes	Each
K5412	LS-55	8000	2A3's, 6ASG's, 300A's	\$16.46
K5407	LS-61L	6600	PP 6L6, self-bias	24.70
K5398	LS-6L3	6600	6L6's self-bias	16.46
K5410	LS-6L4	3800-3300	PP 6L6 fixed bias	29.40
K5413	LS-845	8800	845 class AB	41.16

†—Also matches 50, 125, 200, 250, 333, 500 ohm lines.



Public Address Audios

Incorporate the most advanced design features. Uniform drawn cases are finished in telephone black enamel with threaded inserts for top or bottom mounting. All have lug terminals. Low level units have hum bucking construction. Completely poured with special sealing compound. Overall dimensions: (length, width, height).

- Type E Case: 2 $\frac{1}{2}$ x 3 x 3"
- Type F Case: 3 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "
- Type G Case: 3 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 4 $\frac{1}{2}$ "
- Type H Case: 6 x 4 $\frac{1}{2}$ x 4 $\frac{1}{2}$ "
- Type J Case: 6 x 4 $\frac{1}{2}$ x 6"

Line Matching Units

In Type E case. Shpg. wt. 3 lbs. each.

No.	Type	Application	Each
K5379	PA-134	50, 200, 500 ohm line or mike to 1 grid	\$7.35
K5382	PA-132	1 plate to p.p. grids. Split sec. 2:1	5.88

Output Transformers

Secondary impedances: 500, 200, 50, 16, 8, 5, 3, 1.5 ohms.

Stock	Type	Imped.P.P.	Typical Tubes	Case	Lbs.	Each
K5387	PA-16	3000/5000	2A3's, 6ASG's	F	5	\$6.47
K5392	PA-2L6	6000	6L6's self-bias	G	10	11.17
K5393	PA-4L6	3300/3800	6L6's, AB, AB ³	J	18	17.05

VARITAP All-Purpose Power Transformers



Each unit can be used to replace several different types of transformers. Black enamel finish. Fil. #1 and Fil. #2 provides either **ONE** of the voltages shown. Primaries for 115 v., 50/60 cycles A.C.

Universal Mounting Transformers (type A)

Stock No.	Type	High Volt. Volts	Rect. Fil. Vits.	Fil. No. 1 Amp.	Fil. No. 2 Amp.	Your Cost
K5901	R-1	650 @ 40	5 @ 2	6.3 @ 2 2.5 @ 4		\$3.59
K5902	R-2	700 @ 70	5 @ 3	6.3 @ 2.5 2.5 @ 8		\$4.35
K5903	R-3	700 @ 95	5 @ 3	6.3 @ 4.5 2.5 @ 4.5	2.5 @ 9	\$5.29
K5904	R-4	750 @ 120	5 @ 4	6.3 @ 5 2.5 @ 5	2.5 @ 15	\$6.29
K5905	R-5	770 @ 180	5 @ 4	6.3 @ 4 2.5 @ 6	6.3 @ 5	\$7.64

Vertical Shielded Transformers (type B)

K5954	R-54	600 @ 50	5 @ 2	6.3 @ 2 2.5 @ 5		\$3.88
K5911	R-11	700 @ 75	5 @ 3	6.3 @ 3 2.5 @ 3	2.5 @ 8	\$5.59
K5912	R-12	750 @ 100	5 @ 3	6.3 @ 4 2.5 @ 4	6.3 @ 2 2.5 @ 8	\$6.35
K5913	R-13	850 @ 200	5 @ 3	6.3 @ 5 2.5 @ 5	6.3 @ 3 2.5 @ 12	\$9.31

Flush Mounting Transformers (type C)

K5906	R-6	600 @ 50	5 @ 2	6.3 @ 2 2.5 @ 5		\$3.59
K5907	R-7	700 @ 75	5 @ 3	6.3 @ 3 2.5 @ 3	2.5 @ 8	\$4.59
K5908	R-8	750 @ 100	5 @ 3	6.3 @ 4 2.5 @ 4	2.5 @ 10	\$5.59
K5909	R-9	800 @ 125	5 @ 3	6.3 @ 4 2.5 @ 4	6.3 @ 2 2.5 @ 10	\$6.47
K5910	R-10	850 @ 200	5 @ 3	6.3 @ 5 2.5 @ 5	6.3 @ 3 2.5 @ 12	\$8.23

Dimensions and Shipping Weights of All Units

Type	WxDxH.	Lbs.	Type	WxDxH.	Lbs.	Type	WxDxH.	Lbs.
R-1	3 x 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$ "	4	R-6	3 x 2 $\frac{1}{2}$ x 2 $\frac{1}{2}$ "	4	R-11	3 x 3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	6
R-2	3 x 2 x 3"	5	R-7	3 x 2 x 3 $\frac{1}{2}$ "	5	R-12	3 $\frac{1}{2}$ x 3 x 4"	8
R-3	3 $\frac{1}{2}$ x 3 x 3"	6	R-8	3 $\frac{1}{2}$ x 3 x 3 $\frac{1}{2}$ "	7	R-13	3 x 4 $\frac{1}{2}$ x 4"	10
R-4	4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ "	7	R-9	4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 4"	8			
R-5	4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 4 $\frac{1}{2}$ "	8	R-10	4 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 4 $\frac{1}{2}$ "	10			

Interstage Audio and Mixing Transformers

No.	Type	Application	Each
K5459	HA-100	Multiple line to grid, 60,000 ohms	\$11.17
K5728	HA-100X	Same as above w/internal shield	14.11
K5446	HA-101	Multiple line to PP grids	12.94
K5447	HA-101X	Same as above w/internal shield	15.88
K5451	HA-108	Mixing, to multiple line	11.17
K5449	HA-108X	Same as above w/internal shield	14.11
K5450	HA-104	Single plate to PP grids, 2A3, etc.	11.76
K5457	HA-106	1 plate to PP grids 1.5:1 ratio	9.41

"OUNCER" High Fidelity Audios



No.	Type	Pri. Imp.	Sec. Imp.	Each
Mike or Line to 1 Grid				
K5791	0-1	50, 200, 500	50,000	\$7.79
Single Plate to 1 Grid				
K5708	0-5	8000/15000	60,000	6.17
Single Plate to Line				
K5795	0-8	8000/15000	50, 200, 500	7.06
K5709	0-9	Same as above DC in pri.		7.79
Push-Pull Plates to Line				
K5710	0-10	8000/15000	50, 200, 500	7.79

Ultra-Compact Line Matching Transformer



Compact high fidelity units; frequency range from 30 to 20,000 c.p.s. 1x1x1"; threaded inserts for mounting. Match 50, 125, 200, 250, 500 ohm lines. Net wt. 6 oz.; shpg. wt. each 1 lb.

K5394	A-10	Line to 1 grid. 50,000 ohms	Each
K5726	A-11	Line to 1 or 2 grids. 50,000 ohms	\$8.82
K5738	A-12	Multiple line to push-pull grids. 50,000 ohms	8.82
K5439	A-14	Mike to one or two grids. 30/50,000 ohms	8.23
K5396	A-18	Single plate to two grids. 8000/80,000 ohms	8.23
K5440	A-19	1 plate to 2 grids. 8 ma. 8000/80,000 ohms	10.58
K5436	A-20	Multiple line to multiple line	8.82
K5397	A-24	1 Triode plate 8000/15,000 ohms to line	8.82

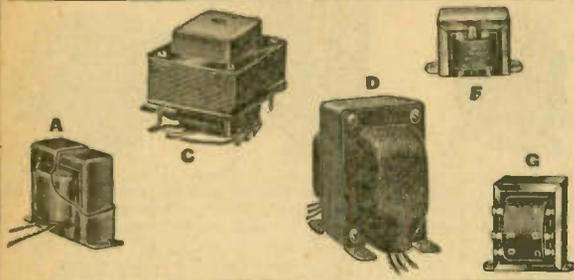
P.A. VARIMATCH Output

Output impedances: 500, 200, 50, 15, 8, 5, 3, 1.5 ohms.

Stock	Type	Watts	Typical Tubes	Case	Lbs.	Each
K5777	PVM-1	12	42, 43, 45, 47, 2A3, 6F6	E	3	\$5.29
K5778	PVM-2	30	42, 45, 2A3, 6L6, 6B5	F	4	8.23
K5779	PVM-3	60	46, 50, 6L6, 801, 807	G	10	11.76
K5780	PVM-4	125	800, 801, 807, 4-6L6	H	15	17.05

TRUTEST transformers and chokes

SERVICE OVER 90% OF ALL STANDARD RECEIVERS



Replacement Power Transformers

Trutest Power Transformers are engineered by experts and constructed of the finest materials. Each unit is designed to provide ample safety factor under normal conditions of use. All are fully guaranteed for a period of ninety (90) days against mechanical and electrical defects. All conform to R.M.A. standards. This is your assurance that Trutest transformers will live up to the claims made for them. To simplify installation, all units are furnished with a schematic diagram showing terminal connections. All primaries are designed for 105-120 volts, 60 cycles AC only. Power sources should check with this.

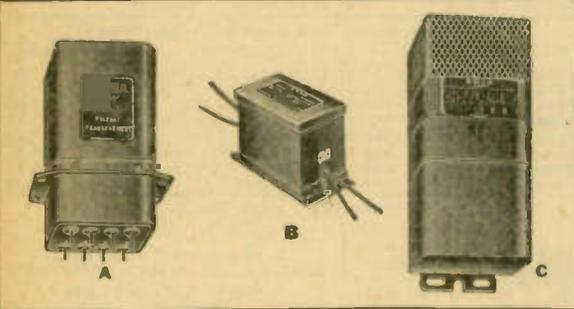
Stock No.	Secondary Volts	Rect. V.	Fil. #1 V.	Fil. #2 V.	Size Ins.	Shpg. Wt. Lbs.	Your Cost
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Receiver Replacement Type—Mtg. Fig. C.

K1450	650	40	5	2	2.5 c.t.	4	2 1/2 x 3 x 2 1/4	4	\$2.49
K1451	700	70	5	3	2.5 c.t.	9	2 1/2 x 3 3/4 x 3 3/8	4	3.29
K1452	700	90	5	3	2.5 c.t.	12.5	3 1/4 x 3 3/4 x 2 3/8	6	3.79
K1463	800	110	5	3	2.5 c.t.	15	3 3/4 x 3 3/4 x 3 3/8	7	4.89
K1464	650	40	5	2	6.3 c.t.	2	2 1/2 x 2 x 2 1/2	4	2.49
K5492	700	70	5	3	6.3 c.t.	2.5	2 1/2 x 2 x 3 1/2	4	3.19
K5493	700	90	5	3	6.3 c.t.	3.5	2 1/2 x 2 x 3 3/8	6	3.49
K1522	700	120	5	3	6.3 c.t.	4.7	3 1/4 x 3 3/4 x 3 3/8	6	3.89
K1523	700	150	5	3	6.3 c.t.	5	3 3/4 x 3 3/4 x 2 3/8	7	4.89

Fully shielded upright mounting type—Mtg. Fig. D.

K1456	650	40	5	2	6.3 c.t.	2	3 1/4 x 2 3/4 x 2 1/4	4	3.09
K1457	700	50	5	2	6.3 c.t.	2.6	3 1/4 x 2 3/4 x 3 1/4	4	3.39
K1458	700	70	5	3	6.3 c.t.	3	3 1/4 x 3 3/4 x 3 3/8	4	3.89
K1459	700	90	5	3	6.3 c.t.	3.5	4 1/4 x 3 3/4 x 3 3/8	6	4.39
K1460	700	110	5	3	6.3 c.t.	4.5	4 3/4 x 3 3/4 x 3 3/8	6	4.89



SOLA Constant Voltage Transformers

These transformers involve a combination of a resonant electrical circuit and a high leakage-reactance magnetic circuit. The electrical circuit is comprised of three windings: a primary winding, an intermediate or resonant winding, and a compensating winding. In addition to the items listed here, special units can be made to order on request. In listing special orders, include range of line variation, output voltage, load, power factor, voltage regulation, load variation, distortion data.

Output VA.	Stock No.	Mtg. Type	Input Volts	Output Volts	Size Inches	Shipping Weight	Your Cost
15	K2200	A	95-125	6.3	5 1/2 x 3 1/2 x 2 1/4	4 1/2 lbs.	\$16.65
15	K2201	A	95-125	115	5 1/2 x 3 1/2 x 2 1/4	4 1/2 lbs.	16.65
15	K2202	B	95-125	6.0	5 1/2 x 2 3/4 x 3 3/8	6 lbs.	13.50
15	K2203	B	95-125	6.3	5 1/2 x 2 3/4 x 3 3/8	6 lbs.	13.50
15	K2204	B	95-125	115	5 1/2 x 2 3/4 x 3 3/8	6 lbs.	13.50
30	K2205	C	95-125	115	8 1/2 x 4 1/2 x 4 1/2	12 lbs.	15.30
60	K2206	C	95-125	115	8 1/2 x 4 1/2 x 4 1/2	13 lbs.	21.60
120	K2207	C	95-125	115	9 1/2 x 4 1/2 x 4 1/2	17 lbs.	28.80
120	K2208	C	95-125	115	11 1/2 x 4 1/2 x 4 1/2	16 lbs.	28.80
250	K2209	C	95-125	115	11 1/2 x 6 1/2 x 5 3/8	28 lbs.	46.80
250	K2210	C	190-250	115	11 1/2 x 6 1/2 x 5 3/8	28 lbs.	46.80
500	K2211	C	95-125	115	14 1/2 x 6 1/2 x 5 3/8	40 lbs.	67.50
500	K2212	C	190-250	115	14 1/2 x 6 1/2 x 5 3/8	40 lbs.	67.50
1000	K2213	C	95-125	115	19 1/2 x 9 1/2 x 7 1/2	110 lbs.	112.50
1000	K2214	C	190-250	115	19 1/2 x 9 1/2 x 7 1/2	110 lbs.	112.50

Output Transformers

To couple output plate to speaker voice coil. Sec. Imp.—3.5 ohms.

No.	Class	Pri. Imp.	Pri. Ma.	Max. Watts	Mtg. Ctrs.	Dimensions	Mtg.	Each
K1610	A	2,000	60	5	2	1 1/2 x 2 1/2 x 1 1/4	A	60c
K1611	A	5,000	40	5	2	1 1/2 x 2 1/2 x 1 1/4	A	63c
K1627	A	7,000	30	5	2	1 1/2 x 2 1/2 x 1 1/4	A	63c
K1613	A	10,000	30	5	2	1 1/2 x 2 1/2 x 1 1/4	A	66c
K1628	A	15,000	10	5	2	1 1/2 x 2 1/2 x 1 1/4	A	68c
K1629	A	25,000 ct.	10	5	2	1 1/2 x 2 1/2 x 1 1/4	A	90c

Universal Output Transformers

For correct coupling between many output tubes and any voice coil.

Stock No.	Tube	Ohms Impedance Primary	Sec.	Pri. Ma.	Max. Watts	Type Mfg.	Size Inches	Your Cost
K1632	1 or PP	4M/7M/10M/14M c.t.	.17-32	35	4	F	1 1/2 x 2 1/2 x 1 1/4	\$1.13
K1633	1 or PP	4M/7M/10M/14M c.t.	.17-32	40	8	F	1 1/2 x 2 1/2 x 1 1/2	1.29
K1635	Single	1500/2M/4M/5M/7M/10M	.1-40	55	10	F	1 1/2 x 2 1/2 x 1 1/4	1.19
K1641	1 or PP	4M/7M/10M/14M c.t.	.17-32	40	18	G	2 1/4 x 2 1/2 x 1 1/2	1.49

Interstage Transformers

To couple a single plate to a single grid.

Stock No.	Ohms Pri.	Impedance Sec.	Turns Ratio	Mtg. Centers	Pri. Ma.	Dimensions	Mtg. Type	Your Cost
K1643	10,000	90,000	3:1	2	10	1 1/2 x 2 1/2 x 1 1/4	A	83c
K1655	10,000	90,000	3:1	2 1/2	10	1 1/2 x 2 1/2 x 1 1/4	A	99c
K1658	10,000	90,000	3:1	2 1/2	10	2 x 3 1/4 x 1 1/2	A	\$1.39

To couple Push-Pull plates to Push-Pull grids

K1659	[20,000 c.t.]	[20,000 c.t.]	1:1	2 1/2	10/10	1 1/2 x 2 1/2 x 1 1/4	A	1.39
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Driver Transformers

To couple driver plates to amplifier grids. Driver, 6C5, 30, 49. Works into a single 1J6, 19, or push-pull 30, 49. Ratio of primary to half of the secondary 2.5:1. Class B. Primary milliamperes 10. 2 1/2" mounting centers. 1 1/2" x 2 1/2" x 1 1/2". Mounting type A.

K1674—Your Cost Each \$1.09

Replacement Type Filter Chokes

No.	Henries	Ma.	DC Res.	(Insul.)	Size	Mtg.	Each
K1549	4.5	50	200 ohms	1500	1 1/2 x 2 1/2 x 1 1/2	A	75c
K1567	8.5	50	400 ohms	1500	1 1/2 x 2 1/2 x 1 1/2	A	99c
K1568	20	15	900 ohms	1500	1 1/2 x 2 1/2 x 1 1/2	A	\$1.35
K1569	16	50	550 ohms	1500	2 x 3 1/4 x 1 1/2	A	1.69
K1572	15	75	400 ohms	1500	2 1/4 x 3 1/4 x 2 1/8	A	75c
K1573	10.5	110	220 ohms	1500	2 1/4 x 4 x 2 1/2	A	75c

Step Down Transformers 220 Volts A.C. to 110 Volts A.C.

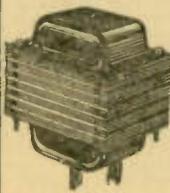
Fully shielded. Supplied with 6-ft. heavy lamp cord for 220 volt line, and flush receptacle for 100 volt side.

No.	Watts	Size	Shpg. Wt.	Each
K1969	80	3 1/2 x 4 x 5 1/2	6 lbs.	\$3.80
K1968	160	3 1/2 x 4 x 5 1/2	9 lbs.	5.15
K1422	250	3 1/2 x 4 x 5 1/2	10 lbs.	5.95
K1426	500	3 1/2 x 5 x 4 1/2	13 lbs.	7.08

Universal Step Down Transformers

Like above but input is tapped for 160/180/200/220/240 volts a.c.; desired tap selected by means of a switch on the housing. Output 115 volts a.c. With 6-ft. line cord.

100 Watts. 4 1/2 x 3 1/4 x 3 3/8" high. 250 Watts. 4 1/2 x 3 1/4 x 4 1/4" high. Shpg. wt. 5 lbs. **\$5.75** K1970—Each. Shpg. wt. 8 lbs. **\$6.35** K1971—Each.



MERIT Power Transformers Receiver Replacement Type

An excellent transformer for use in radio receiver power transformer replacement use. The transformer windings are fully shielded and the leads are RMA color-coded. Primary for 115 volts, 60 cycles AC only. The power source should be checked for proper voltage and frequency ratings before installing the transformer. As shown in the illustration, the transformer is of the shell mounting type. Shpg. Wt. 6 lbs.

Stock No.	Type No.	Secondary Volts	M.A.	Rectifier Volts	Amps	Fil. Volts	Amps	Size Inches	Your Cost
K2017	P2965	650	40	5	2	2.5 c.t.	4	2 1/2 x 3 x 2 1/4	\$2.65
K2018	P2966	700	70	5	3	2.5 c.t.	4 or 3.5	2 1/2 x 3 3/4 x 3 3/8	3.67
K2020	P2967	700	90	5	3	2.5 c.t.	12.5	3 1/4 x 3 3/4 x 4 1/4	3.97
K2021	P2968	800	110	5	3	2.5 c.t.	15 & 3.5	3 1/4 x 4 1/2 x 3 3/8	5.14
K2022	P2969	650	40	5	2	6.3 c.t.	2	2 1/2 x 3 x 2 1/4	2.65
K2023	P2961	700	70	5	3	6.3 c.t.	2.5	2 1/2 x 3 x 3 3/8	3.39
K2024	P2962	700	90	5	3	6.3 c.t.	3.5	2 1/2 x 3 x 3 3/8	3.67
K2025	P2963	700	120	5	3	6.3 c.t.	4.7	3 1/4 x 3 3/4 x 3 3/8	4.12
K2026	P2964	750	150	5	3	6.3	5	3 1/4 x 3 3/4 x 4 1/4	5.29

THORDARSON transformers

Audio Input Transformers

Stock No.	Thord. No.	Mtg. Type	Applications	Turns Ratio	WxDxH (inches)	Wt. Lbs.	Your Cost
K324	T-20A00	BAH	Line or mike to single or PP grids	1:10	2 3/4 x 1 1/2 x 1 1/2	1	\$1.41
K325	T-20A01	FGV	Line or mike to grid	1:20	2 3/4 x 1 1/2 x 2 3/8	1	2.00
K339	T-20A02	FGV	Line or mike to PP grids	1:20	2 3/4 x 1 1/2 x 2 3/8	2	2.06
K341	T-20A03	BAH	Single plate and mike or line to grid	1:3 1/2	2 1/4 x 1 1/2 x 1 1/2	2	1.76
K344	T-20A04	BAH	VC or mike to grid	1:7 1/2	2 3/4 x 1 1/2 x 1 1/2	2	1.23
K349	T-20A05	RTV	Same as T-20A00	1:10	1 1/2 dia. x 2	5	5.88
K350	T-20A40	Z	Mike cable input	1:31	1 x 1 x 2 1/4	2	11.76
K351	T-20A41	Z	Mike cable input	1:14	1 x 1 x 2 1/4	2	11.76

Automatic Voltage Regulators

Pri. 95-130V. 60 cyc., sec. 110/115/120V. exc. T-23V06—6.3V. Mtg. KTF.

Stock No.	Thord. No.	VA	Wt. Lbs.	Your Cost	Stock No.	Thord. No.	VA	Wt. Lbs.	Your Cost
K352	T-23V06	20	35	\$29.40	K358	T-23V02	250	70	\$52.92
K353	T-23V00	40	45	33.81	K363	T-23V05	500	80	79.38
K356	T-23V01	100	50	38.22	K365	T-23V10	1000	150	135.24

Auto Transformer—Voltage Changer

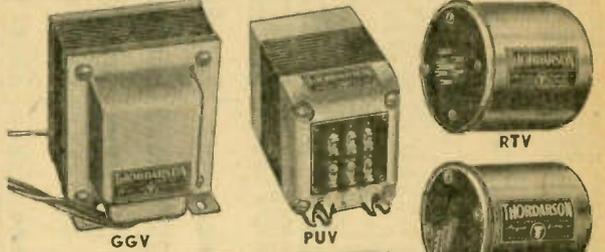
Mtg. GGV. Pri. 220-250V., sec. 110-125V. 80 VA. T23V21. Wt. 6 lbs.

K367—Your Cost. \$5.88

Audio Interstage Transformers

Stock No.	Thord. No.	Mtg. Type	Applications*	Turns Ratio	WxDxH (inches)	Wt. Lbs.	Your Cost
K444	T-20A16	BAH	Single plate to single or PP grids	1:2	2 3/4 x 1 1/2 x 1 1/2	1	\$1.41
K447	T-20A17	RAV	Single or PP plates to single or PP grids	1:2	1 1/2 dia. x 2	2	1.53
K449	T-20A19	BAH	Single or PP plates to single or PP grids	1:3	2 3/4 x 1 1/2 x 1 1/2	2	1.53
K451	T-20A22	BAH	Single plate to PP grids	1:3	3 1/2 x 2 3/8 x 1 1/2	2	1.88
K456	T-20A23	FGV	Single plate to single PP grids	1:3	2 3/4 x 2 3/8 x 2 3/8	2	2.06
K459	T-20A24	FGV	PP plates to PP grids	1:3	2 3/4 x 2 3/8 x 2 3/8	3	2.41
K460	T-20A25	RTV	Single or PP plates to single or PP grids	1:1 1/2	1 1/2 dia. x 2	3	4.41

* Pri. curr. 8 MA. † Bal. pri.; hum-bucking coil and core fully potted.



Driver Transformers

Stock No.	Thord. No.	Mtg. Type	Applications	Turns Pri. 1/2 Sec.	Pri. MA	WxDxH (inches)	Wt. Lbs.	Your Cost
K462	T-20D75	BAH	Single plate to PP Class B grids	2 3/4:1	3	2 3/4 x 1 1/2 x 1 1/2	2	\$1.32
K463	T-20D76	BAH	Single plate to PP Class B grids	5 1/2:1	6	2 3/4 x 1 1/2 x 1 1/2	2	1.47
K464	T-20D77	FGV	Single plate to PP grids	2 1/2:1	30	2 3/4 x 2 1/2 x 2 3/8	3	2.20
K465	T-20D78	GGV	PP plates to PP grids	4:1	40	2 3/4 x 2 1/2 x 2 3/8	3	2.94
K466	T-20D79	FGV	Single or PP pri. to PP grids	5 1/2:1	30	2 3/4 x 2 1/2 x 2 3/8	4	2.50
K469	T-20D80	GGV	PP plates to PP grids	3 1/2:1	40	2 3/4 x 2 1/2 x 2 3/8	4	3.23
K472	T-20D81	GGV	PP plates to PP grids	5:1	50	3 3/4 x 3 3/8 x 2 3/8	5	4.41
K473	T-20D82	GGV	PP plates to PP grids	5:1, 4:1, 3 1/2:1	60	2 3/4 x 2 1/2 x 2 3/8	5	4.41

Output Transformers

Stock No.	Thord. No.	Mtg. Type	Applications	Power (W)	WxDxH (inches)	Ohms Impedance Pri. Sec.	Max. Pri DC MA	Wt. Lbs.	Your Cost
K368	T-22S45	BAH	Single or PP plates to VC	3	2 3/4 x 1 1/2 x 1 1/2	1500-3000; 3:2	1	1	\$0.97
K369	T-22S46	BAH	Single or PP plates to VC	3	2 3/4 x 1 1/2 x 1 1/2	3000-6000; 3:2	1	1	1.00
K370	T-22S47	BAH	Single or PP plates to VC	3	2 3/4 x 1 1/2 x 1 1/2	6000-12000CT; 3:2	50	1	1.32
K371	T-22S48	BAH	Single or PP plates to VC	3	2 3/4 x 1 1/2 x 1 1/2	12000-25000CT; 3:2	10	1	1.41
K372	T-22S56	BAH	Single or PP plates to VC	8	3 1/4 x 1 1/2 x 2	8000/10000CT; 3:2, 4:6/8	50	1	1.76
K378	T-22S58	BAH	Single or PP plates to VC	8	3 1/4 x 1 1/2 x 2	5000/7000CT; 3:2, 5:6/8	60	1	1.76
K379	T-22S60	BAH	Single or PP plates to VC	8	3 1/4 x 1 1/2 x 2	2500/4000CT; 3:2, 4:6/8	60	3	2.00
K380	T-22S64	GGV	Single or PP plates to VC	25	2 1/2 x 2 1/2 x 3 3/8	10000CT; 3:2, 4:6/8-15-250-500	50	3	3.67
K381	T-22S66	GGV	Single or PP plates to VC	25	2 1/2 x 2 1/2 x 3 3/8	8000CT; 3:2, 4:6/8-15-250-500	60	4	3.67
K382	T-22S68	GGV	Single or PP plates to VC	25	2 1/2 x 2 1/2 x 3 3/8	6500CT; 3:2, 4:6/8-15-250-500	70	6	3.82
K383	T-22S70	GGV	Single or PP plates to VC	25	2 1/2 x 2 1/2 x 3 3/8	5000CT; 3:2, 4:6/8-15-250-500	80	4	4.12
K384	T-22S72	GGV	Single or PP plates to VC	25	2 1/2 x 2 1/2 x 3 3/8	3000CT; 3:2, 4:6/8-15-250-500	90	4	4.12
K385	T-22S78	GGV	Single or PP plates to VC	60	3 3/4 x 3 3/8 x 3 3/8	3300CT; 3:2, 4:6/8-15-250-500	180	6	5.58
K389	T-22S74	BHH	Univ. single or PP tubes to VC	15	4 x 2 1/2 x 2 3/8	14000-2500CT; 1 to 30	80	2	3.09
K396	T-22S76	BHH	Univ. single or PP tubes to line	25	4 x 2 1/2 x 2 3/8	14000-3000CT; 500	80	3	3.23
K398	T-22S80	BHH	Single line to VC	8	3 1/4 x 2 x 2 1/2	600; 3:2, 4:6/8-15	4	2	2.35
K399	T-22S82	BAH	Multiple lines to VC	25	4 x 2 3/4 x 2 3/8	2000-500; 3:2, 4:6/8-15	4	4	4.70
K401	T-22S83	BAH	Multiple lines to VC	15	3 1/4 x 2 x 2 1/2	2000-500; 3:2, 4:6/8-15	8	4	3.23
K403	T-22S84	BAH	Multiple lines to VC	5	3 1/4 x 1 1/2 x 2	2000-500; 3:2, 4:6/8-15	2	2	2.29
K404	T-22S85	BAH	Multiple lines to VC	3	2 1/2 x 1 1/2 x 1 1/2	2000-500; 3:2, 4:6/8-15	2	2	2.00
K407	T-22S62	BHH	Univ. single plate to VC	8	3 1/4 x 2 x 2	4000-1500; 1-29	50	2	2.18
K408	T-22S88	BAH	Univ. single plate to VC	8	3 1/4 x 1 1/2 x 2	14000-2000; 3:2, 4:6/8-15	50	2	1.91
K409	T-22S87	BAH	Univ. single plate to VC	6	2 1/2 x 1 1/2 x 1 1/2	14000-2000; 3:2, 4:6/8	50	2	1.76
K410	T-22S86	BAH	Univ. single plate to VC	3	2 3/4 x 1 1/2 x 1 1/2	14000-2000; 3:2, 4:6/8	50	2	1.62

Power Transformers

Mtg. type GGV; Pri. 50/60 eye. 117V.; Fils. 6.3V. CT. T-22R32 has 3rd fil.

Stock No.	Thord. No.	Volts	Sec. #1 DC Fil. 2	Rect. MA	Amps.	Pri. VA	WxDxH (inches)	Wt. Lbs.	Your Cost
K411	T-22R30	275-275	50	5V-2A	2.5	55	2 1/2 x 3 1/2 x 3 3/8	5	\$4.26
K412	T-22R31	360-360	80	5V-2A	2.5	76	2 1/2 x 3 1/2 x 3 3/8	6	4.56
K413	T-22R32	350-350	110	5V-2A	3	107	3 3/4 x 3 1/2 x 3 3/8	6	5.14
K414	T-22R33	375-375	160	5V-2A	5	145	3 3/4 x 2 1/2 x 3 3/8	9	6.17
K415	T-22R34	385-385	225	5V-3A	5	186	3 3/4 x 4 1/2 x 3 3/8	10	7.94
K416	T-22R35	400-400	340	5V-6A	7	290	3 3/4 x 5 1/2 x 4 3/8	10	8.82

Replacement Power Transformers

Mtg. type AGF; Pri. 50/60 eye. 117V.

Stock No.	Thord. No.	Sec. #1 DC Volts	DC MA	Rect. Fil.	Fil. 2	Wt. Lbs.	Your Cost
K417	T-22R00	250-250	40	5V-2A	6.3V CT-2A	5	\$3.09
K418	T-22R01	275-275	50	5V-2A	6.3V CT-2.5A	5	3.12
K419	T-22R02	300-300	70	5V-2A	6.3V CT-3A	5	3.97
K420	T-22R04	300-300	90	5V-2A	6.3V CT-3.5A	6	4.41
K421	T-22R05	300-300	120	5V-3A	6.3V CT-5A	6	4.70
K422	T-22R06	325-325	150	5V-3A	6.3V CT-5A	7	5.58
K423	T-22R07	350-350	200	5V-3A	6.3V CT-6A	8	6.35
K425	T-22R08	250-250	40	5V-2A	2.5V CT-4A	5	3.09
K435	T-22R09	275-275	50	5V-2A	2.5V CT-7.5A	4	3.67
K436	T-22R10	325-325	85	5V-2A	2.5V CT-9A*	5	4.70
K441	T-22R11	325-325	120	5V-3A	2.5V CT-12.5A†	6	5.58

* Fil 3-3.5A. † Fil 3-5A.

Tube To Line Transformers

Impedance—20,000 CT., pri. sec. 500 CT. or 125 and 200 ohms.

Primary application—single or PP plates. Secondary application—line.

Stock No.	Thord. No.	Mtg. Type	WxDxH (inches)	Wt. Lbs.	Your Cost
K481	T-22S90	FGV	2 1/2 x 1 1/2 x 2 3/8	2	\$2.65
K482	T-22S92	RTV	1 1/2 dia. x 2	2	5.88

Dual Tone Control Reactor

K502—T-20C74, RAV, hum-bucking const., 1 1/2 dia. x 2". Each \$1.91

Dual Control R1068—For use with dual control reactor T-20C74.

K406—Your Cost Each. \$1.82

Chokes—Reactors

Universal Types—Swinging and Smoothing

Stock No.	Thord. No.	Mtg. Type	Henries* Rated DC	Rated MA DC	DC Ohms	WxDxH (inches)	Wt. Lbs.	Your Cost
K484	T-20C50	BAH	350	5	5500	3 1/2 x 2 x 2	2	\$1.76
K485	T-20C51	BAH	35	15	1850	2 3/4 x 1 1/2 x 1 1/2	2	1.06
K491	T-20C52	BAH	8	40	450	2 3/4 x 1 1/2 x 1 1/2	2	1.06
K492	T-20C53	BAH	12	80	375	3 1/2 x 2 x 2	2	1.47
K493	T-20C54	GGV	8	150	145	2 1/2 x 2 3/8 x 3 3/8	3	2.50
K494	T-20C55	GGV	6	200	75	2 1/2 x 3 1/2 x 3 1/2	4	2.79
K495	T-20C56	GGV	7	300	60	3 3/4 x 4 x 3 3/8	6	4.56
K496	T-20C57	PUV	10	500	65	4 1/2 x 7 1/2 x 6	20	17.64
K498	T-20C58	BAH	.75	.5	30	2 3/4 x 1 1/2 x 1 1/2	1	1.18

* Measured at 50V, 60 cyc. at DC currents shown.

AEROVOX condensers



Inverted Dry Electrolytics

Screw-mount inverted dry electrolytics. Supplied with lock-washer nut, 1/4" screw bushing. All have two 8" color-coded leads per section for terminals. Available in single, double and triple section units. Insulated large size can.

Type GL-600—Single Section
800 V. Peak—600 V. D.C. Wkg.

No.	Mfd.	Dia.—Ht.	Each
K4516	4	1 1/2 x 4 1/2	\$1.67
K4517	8	1 1/2 x 4 1/2	2.33
K4537	16	1 1/2 x 4 1/2	3.12

Type GL-450—Single Section
525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size	Each
K4651	4	1 1/2 x 3	\$0.77
K4652	8	1 1/2 x 4	.96
K4653	12	1 1/2 x 4	1.26
K4654	16	1 1/2 x 4	1.41
K4577	20	1 1/2 x 4	1.56
K4679	30	1 1/2 x 4	1.77
K4580	40	1 1/2 x 4	2.04
K4572	80	1 1/2 x 4	3.61

Type 2GL-450—Double Section
525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size	Each
K4656	8-8*	1 1/2 x 4	\$1.44
K4686	8-16*	1 1/2 x 4	1.77
K4573	10-10*	1 1/2 x 4	1.74
K4574	16-16*	1 1/2 x 4	2.08
K4575	20-20*	1 1/2 x 4	2.45

Type 3GL-450—Triple Section
525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size	Each
K4658	8-8-8*	1 1/2 x 4 1/2	\$2.08
K4578	10-10-10*	1 1/2 x 4	2.38

* Each section has 2 leads.

Midget Dry Electrolytics

Ultra-compact; 2 leads per section.

Type GLS-450—Single Section
525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
K4663	4	1x2 1/2	\$0.77
K4664	8	1x2 1/2	.96
K4665	12	1x3 1/2	1.26
K4666	16	1x3 1/2	1.41
K4518	8-8*	1 1/2 x 3	1.44

Type GLS-250—250V. D.C. Wkg.

No.	Mfd.	Size	Each
K4667	4	1x2 1/2	\$0.66
K4668	8	1x2 1/2	.85
K4669	12	1x2 1/2	1.00
K4670	16	1x3 1/2	1.22

* Double section; 2 separate leads.

Plug-In Electrolytics



Type AEP: Quick change dry electrolytics. Facilitate testing and replacement in equipment where continuity of service is important. Install merely by plugging into a standard octal socket. Unit can only be inserted the proper way. Ultra-compact due to the use of etched foil for higher capacities in the small can sizes. Aluminum internal construction. Can be used to replace wet electrolytics providing surge voltage does not exceed 525 volts.

Type AEP-450

450 V. D.C. Wkg. 525 V. Surge

Stock No.	Cap. Mfd.	Size In.	Your Cost
K5014	10	1 1/2 x 2 1/2	\$1.11
K5015	20	1 1/2 x 2 1/2	1.56
K5016	40	1 1/2 x 2 1/2	2.12
K5017	80	1 1/2 x 2 1/2	3.61
K5018	10-10	1 1/2 x 2 1/2	1.74
K5019	20-20	1 1/2 x 2 1/2	2.45
K5020	10-10-10	1 1/2 x 2 1/2	2.38

Type AEP-22J4A (1 1/2 x 2 1/2")

Stock No.	Cap. Mfd.	Wkg. Vts.	Your Cost
K5013	10-10/20	450/25	\$1.82

"DANDEE" Ultra-Compact Tubular Dry Electrolytics—Type PRS



Space saving, yet full-rated capacity and voltage. Ideal for midgets, AC-DC and auto radios where maximum capacitance and minimum space. Varnished paper insulating jacket over can. Dual units (Type PRS-A) have two leads plus common negative riveted center mounting strap.

Stock No.	Cap. Mfd.	Wkg. Volts	Size Ins.	Your Cost	Stock No.	Cap. Mfd.	Wkg. Volts	Size Ins.	Your Cost
K700	10	25	3/8 x 1 1/4	\$0.36	K726	4	350	1 1/2 x 2 1/2	\$0.44
K701	25	25	3/8 x 1 1/4	.44	K737	8	350	1 1/2 x 1 1/4	.51
K5050	50	25	3/8 x 1 1/4	.44	K738	12	350	1 1/2 x 2 1/2	.63
K5051	100	25	3/8 x 1 1/4	.55	K739	16	350	1 1/2 x 2 1/2	.73
K702	10	50	3/8 x 1 1/4	.81	K5054	24	350	1 1/2 x 2 1/2	.81
K703	25	50	3/8 x 1 1/4	.40	K753	4	450	1 1/2 x 1 1/4	.51
K5052	50	50	3/8 x 1 1/4	.51	K754	8	450	1 1/2 x 1 1/4	.55
K5053	100	50	3/8 x 1 1/4	.63	K733	10	450	1 1/2 x 1 1/4	.63
K741	4	150	3/8 x 1 1/4	.36	K755	12	450	1 1/2 x 1 1/4	.66
K742	8	150	3/8 x 1 1/4	.40	K756	16	450	1 1/2 x 2 1/2	.81
K748	12	150	3/8 x 1 1/4	.44	K5055	20	450	1 1/2 x 2 1/2	.88
K749	16	150	3/8 x 1 1/4	.51	K734	30	450	1 1/2 x 2 1/2	1.07
K745	20	150	3/8 x 1 1/4	.55	K736	40	450	1 1/2 x 2 1/2	1.29
K750	24	150	3/8 x 2 1/2	.55	K704	10-10	50	3/8 x 2 1/2	.73
K751	30	150	3/8 x 2 1/2	.59	K5056	10-10	25	3/8 x 2 1/2	.63
K752	40	150	3/8 x 2 1/2	.63	K5057	8-8	150	3/8 x 2 1/2	.73
K732	50	150	3/8 x 2 1/2	.81	K5058	8-16	150	3/8 x 2 1/2	.77
K718	4	250	3/8 x 1 1/4	.40	K5059	20-20	150	3/8 x 2 1/2	.96
K723	8	250	3/8 x 1 1/4	.44	K5045	40-40	150	3/8 x 2 1/2	1.11
K724	12	250	3/8 x 1 1/4	.59	K5060	8-8	200	3/8 x 2 1/2	.85
K725	16	250	3/8 x 2 1/2	.66	K5061	8-16	200	3/8 x 2 1/2	.88
K735	20	250	3/8 x 2 1/2	.73	K5062	16-20	200	3/8 x 2 1/2	1.04
					K5063	8-8	450	1 x 2 1/2	.96
					K5064	8-16	450	1 x 2 1/2	1.19

4-Lead Dual-Section "DANDEES" Type PRS-B

Separate sections, cap. leads, reduced size. Smallest midget electrolytics on the market. Same high quality.

No.	Mfd.	Volts	Size	Each	No.	Mfd.	Volts	Size	Each
K5034	20-20	150	1x2 1/2	\$1.22	K5036	8-8	450	1x2 1/2	\$1.22
K5035	16-16	250	1x2 1/2	1.48	K5037	8-16	450	1x3 1/2	1.71



PRVC Dry Electrolytics

Universal cleat mounting, inverted dry electrolytics with color coded insulated leads. Multi-element units have separate sections with separate positive and negative leads.

Single Section				Dual Sections			
No.	Mfd.	Volts (DxH)	Each	No.	Mfd.	Volts (DxH)	Each
K705	4	600 1 1/2 x 4	\$1.94	K719	8-8	450 1 1/2 x 4	\$1.67
K706	8	600 1 1/2 x 4	2.72	K720	8-16	450 1 1/2 x 4	2.08
K707	16	600 1 1/2 x 4 1/2	3.63	K721	12-12	450 1 1/2 x 4	2.08
K708	4	450 1 1/2 x 3	.90	K722	16-16	450 1 1/2 x 4	2.42
K709	8	450 1 1/2 x 3	1.12	K727	20-20	450 1 1/2 x 4	2.85
K711	10	450 1 1/2 x 3	1.29				
K712	12	450 1 1/2 x 3	1.46				
K713	16	450 1 1/2 x 3	1.65				
K714	20	450 1 1/2 x 3	1.81				
K715	30	450 1 1/2 x 3	2.08				
K716	40	450 1 1/2 x 3	2.38				
K717	80	450 1 1/2 x 4	4.20				



AEROVOX Paper Tubulars

Non-inductively wound paper tubular condensers. Wax impregnated. All have pigtail wire leads.

400 V. Working			600 V. Working			1000 V. Working		
No.	Mfd.	Each	No.	Mfd.	Each	No.	Mfd.	Each
K4731	.01	15c	K4746	.001	15c	K4766	.001	18c
K4733	.02		K4747	.002		K4767	.002	
K4734	.03		K4748	.003		K4768	.003	
K4735	.05		K4749	.005		K4769	.005	
K4737	.1		K4750	.006		K4770	.006	
K4739	.25	18c	K4752	.01	K4772	.01	29c	
K4741	.5	21c	K4753	.015	K4774	.02	29c	
K4742	1.0	32c	K4754	.02	K4776	.05	32c	
		44c	K4755	.03	K4778	.1	44c	
			K4756	.05				
			K4758	.1				
			K4760	.25				
			K4762	.5				

Paper Vibrator Tubulars

Paper type, rated at 1600 volts working.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
K4779	.01	3/8 x 1 1/2	\$0.32	K4781	.03	3/8 x 2	\$0.32
K4780	.02	3/8 x 2	.32	K4783	.05	3/8 x 2	.40



Oil Filled and Oil Impregnated Tubulars

These condensers are rated at 2000 volts DC working voltage. Have pigtail leads and come complete with mounting strap.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
K4833	.0075	1 1/2 x 1 1/4	66c	K4837	.03	1 1/2 x 2 1/2	71c
K4834	.01	1 1/2 x 1 1/4	66c	K4838	.04	1 1/2 x 2 1/2	71c
K4835	.015	1 1/2 x 2 1/2	66c	K4839	.05	1 1/2 x 2 1/2	73c
K4836	.02	1 1/2 x 2 1/2	66c				

"Adjustimount" Midget Dry Electrolytics



Feature "adjustimount" swivel mounting bracket with slotted holes. Mounts flat, upright, singly or stacked. Two separate leads for each section. Wax impreg.

Type PBS600—High Surge 600 Volts DC Working

No.	Mfd.	D. W. L.	Each
K4501	4	1 1/2 x 1 1/2 x 2 1/2	\$1.56
K4502	8	1 1/2 x 1 1/2 x 3	2.19

Type PBS450—525 Volts Surge 450 V. DC Working

No.	Mfd.	D. W. L.	Each
K4633	2	1 1/2 x 1 1/2 x 2 1/2	\$0.59
K4634	4	1 1/2 x 1 1/2 x 2 1/2	.66
K4635	8	1 1/2 x 1 1/2 x 2 1/2	.85
K4636	10	1 1/2 x 1 1/2 x 3	1.04
K4637	12	1 1/2 x 1 1/2 x 3	1.19
K4495	16	1 1/2 x 1 1/2 x 2 1/2	1.29

Type PBS450—525 Volts Surge 450 V. DC Working

No.	Mfd.	D. W. L.	Each
K4645	8-8	1 1/2 x 1 1/2 x 2 1/2	1.33
K4491	8-16	1 1/2 x 1 1/2 x 2 1/2	1.71
K4650	8-8-8	1 1/2 x 1 1/2 x 3	1.97

Prom-Base Midget Condensers



Easily mounted compact dry electrolytics. Base prongs slip into washer riveted on chassis. Fibre washer for insulated can; metal for grounded can. Can neg. Type F.

No.	Mfd.	W. V.	DxH	Each
K5022	10	450	1x2	\$0.66
K5023	20	450	1x2	1.00
K5021	30	450	1x3	1.22
K5024	40	450	1x3	1.44
K5025	10-10	450	1x2	1.07
K5026	10-10-10	450	1x3	1.41
K5027	20-20	450	1x3	1.48
K4586	80	450	1 1/2 x 2	2.19
K5028	10-10	250	1x2	.96
K5029				

SPRAGUE condensers

Type "EL" Prong-Base Dry Electrolytics



In uninsulated metal cans with self-mounting feature; metal ears bend back under chassis. Lug terminals are coded. All perfectly sealed and are impervious to moisture. Insulating plates and metal plates listed below.

Stock No.	Cap. Mfd.	Wkg. Vols.	Size D-L	Your Cost
K2522	10	450	1x2"	\$0.67
K2521	10	525	1x2"	.89
K2523	15	450	1x2"	.89
K2524	20	450	1x2"	1.00
K2525	40	450	1x3"	1.45
K2526	10-10	450	1x2"	1.08
K2527	20-20	450	1x3"	1.49
K2528	40-40	450	1 1/2x3"	2.38
K2529	20-20	250	1x2"	1.00
K2531	20-20	150	1x2"	.89
K2532	50-30	150	1x3"	1.00
K2533	40-20	150	1x2"	1.00
K2540	50-50	150	1x3"	1.19
K2541	10-10/20	450/25	1x3"	1.19
K2548	20-20/20	400/25	1x3"	1.56
K2550	10-10/20	350/25	1x2"	1.00
K2552	20-20/20	150	1x2"	1.00
K2530	30-20-100	150	1x2"	1.38
K2556	40-20-20	150	1x2 1/2"	1.19
K2593	40-40-40	150	1x3"	1.41
K2535	50 50 50	150/25	1 1/2x2"	1.71
K2597	10-10-10/20	450/25	1 1/2x2"	1.52
K2536	10-10-10-10	450	1 1/2x2"	1.71
K2599	20-10-5/10	350/25	1 1/2x2"	1.33
K2537	20-20-20-20	450	1 1/2x3"	2.45
K2602	40-20-10/20	200/25	1 1/2x3"	1.41

Mounting Plates For Above
 K2658-Bakelite. For 1" cans
 K2659-Bakelite. For 1 1/4" cans
 K2660-Metal. For 1" cans
 K2661-Metal. For 1 1/4" cans

Each 4c

Standard Micacs

Type 1FM standard postage stamp size micacs with high quality ruby mica dielectric. 600 V. working voltage. Size: 3/4x3/4"

Stock No.	Capacity	Mfd.	Each
K2765	.00005		12c
K2769	.0001		12c
K2770	.0002		15c
K2771	.00025		15c
K2772	.0005		15c
K2773	.001		18c
K2774	.002		27c
K2775	.003		29c
K2776	.004		32c
K2777	.005		41c
K2778	.006		44c
K2785	.01		53c

SPRAGUE "Atoms" Ultra-Compact Dry Electrolytics

Ultra-compact capacitors sealed in tubes. Protected against moisture and "blowups". Guaranteed to have low leakage and to withstand high surge voltage.



No.	Mfd.	Wkg. Volts	D-L	Each
K2713	5	25	1 1/2x1 3/8"	\$0.37
K769	10	25	1 1/2x1 3/8"	.37
K770	25	25	1 1/2x1 3/8"	.44
K2714	50	25	1 1/2x1 3/8"	.55
K2680	5	50	1 1/2x1 3/8"	.37
K2682	10	50	1 1/2x1 3/8"	.40
K771	25	50	1 1/2x1 3/8"	.52
K2841	50	50	1 1/2x1 3/8"	.63
K772	4	150	1 1/2x1 3/8"	.37
K773	8	150	1 1/2x1 3/8"	.40
K774	12	150	1 1/2x1 3/8"	.44
K775	16	150	1 1/2x1 3/8"	.52
K776	20	150	1 1/2x1 3/8"	.55
K2840	30	150	1 1/2x1 3/8"	.60
K777	40	150	1 1/2x1 3/8"	.63
K2715	50	150	1 1/2x1 3/8"	.74
K778	4	450	1 1/2x1 3/8"	.52
K779	8	450	1 1/2x1 3/8"	.55
K780	12	450	1 1/2x1 3/8"	.67
K781	16	450	1 1/2x1 3/8"	.81
K782	20	450	1 1/2x1 3/8"	.89
K2718	30	450	1 1/2x1 3/8"	1.08
K2719	8	500	1 1/2x1 3/8"	.77
K2786	16	500	1 1/2x1 3/8"	1.19
K2787	20	500	1 1/2x1 3/8"	1.41

"PTM" Tiny Mikes 450 V. Wkg., 525 V. Peak

Have adjustable metal feet.

No.	Mfd.	Size	Each
K3564	4	3/4x1 1/2x2 1/2"	\$0.67
K3565	8	3/4x1 1/2x2 1/2"	.85
K3587	16	1 1/4x1 1/2x2 1/2"	1.30
K3567*	8-8	1 1/4x1 1/2x2 1/2"	1.33

*—Four leads; separate sections.

No.	Mfd.	Wkg. Volts	D-L	Each
3 Leads—common negative				
K783	10-10	50	1 1/2x2 1/2"	\$0.74
K3164	8-8	150	1 1/2x2 1/2"	.74
K2842	12-20	150	1 1/2x2 1/2"	.85
K2788	16-16	150	1 1/2x2 1/2"	.85
K3165	20-20	150	1 1/2x2 1/2"	.96
K2795	20-30	150	1 1/2x2 1/2"	1.00
K2797	20-40	150	1 1/2x2 1/2"	1.04
K2800	30-30	150	1 1/2x2 1/2"	1.00
K2801	40-30	150	1x2 1/2"	1.04
K2802	40-40	150	1x2 1/2"	1.08
K2803	50-30	150	1x2 1/2"	1.11
K785	8-16	200	1 1/2x2 1/2"	.85
K784	12-12	200	1 1/2x2 1/2"	.85
K787	16-16	200	1 1/2x2 1/2"	.96
K2844	8-16	250	1 1/2x2 1/2"	.96
K2846	16-16	250	1 1/2x2 1/2"	1.11
K786	8-8	450	1x2 1/2"	.96
K2847	8-16	450	1x2 1/2"	1.22
4 Leads—separate pos. and neg.				
K2683	20-20	150	1x2 1/2"	1.22
K2843	40-20	150	1 1/2x2 1/2"	1.26
K2845	8-16	250	1x2 1/2"	1.26
K2684	16-16	250	1x2 1/2"	1.49
K2685	8-8	450	1 1/2x3 1/2"	1.22



SPRAGUE AP Dry Electrolytics, 600 V. Cans



These sturdy can type units are popular for all applications where working voltage is high and surges run well over 600 volts. Full capacity, full working voltage and low power factor are guaranteed.

No.	Mfd.	Wkg. V.	D-L	Each
K2672	4	600	1x4 1/4"	\$1.67
K2673	8	600	1 1/2x4 1/4"	2.35
K2674	16	600	1 1/2x4 1/4"	3.13

SPRAGUE RW Wet Electrolytic Replacements



Dry electrolytics of very high voltage formation designed to replace wet electrolytics. They will stand high peak voltages and AC ripples that might cause ordinary 450 drys to break down.

Stock No.	Cap. Mfd.	Wkg. Volts	Size D-L	Your Cost
K2515	8	500	1x4 1/4"	\$0.85
K2516	16	500	1 1/2x4 1/4"	1.23
K2517	25	500	1 1/2x5 1/4"	1.45

"LM" Cardboard Tube Compact Dry Electrolytics

All provided with universal mtg. lugs that can be soldered on top of chassis, anchored with screws or extended through holes in chassis and bent under. All have separate negative and positive leads. Lead ends are well sealed with high melting point compound; units are moisture proof.



Stock No.	Cap. Mfd.	Wkg. Vols.	Size D-L	Your Cost
K2662	20	150	3/4x2 1/2"	\$0.85
K2663	8	450	3/4x2 1/2"	.85
K2664	16	450	1x2 1/2"	1.30
K2665	20	150	1x2 1/2"	1.49
K2666	8-8	250	1 1/2x2 1/2"	1.41
K2667	16-16	250	1x3"	1.71
K2668	8-8	450	1 1/2x2 1/2"	1.33
K2675	16-16	450	1 1/2x3 1/2"	2.01
K2670	20-16-25	1 1/2x3 1/2"		2.08
K2671	40-20-25	1 1/2x3 1/2"		2.38

*250/25 volts.

"600" Line—Type TC Paper Tubulars

No.	Mfd.	Each	No.	Mfd.	Each
K2627	.0001	15c	K2636	.006	15c
K2628	.00025	15c	K2637	.01	15c
K2629	.0004	15c	K2638	.02	15c
K2630	.0005	15c	K2639	.05	19c
K2631	.001	15c	K2640	.06	22c
K2632	.002	15c	K2641	.1	22c
K2633	.003	15c	K2642	.25	33c
K2634	.004	15c	K2643	.5	44c
K2635	.005	15c	K2681	1.0	74c

"600" Line Can Type Dry Electrolytics

Durable units for exacting PA and radio replacement use. Threaded screw mtg. Insulating hardware.

No.	Mfd.	Size In.	Each
K2616	4	3 3/4x1 1/2"	\$1.11
K2618	8	4 3/4x1 1/2"	1.33
K2767	12	4 3/4x1 1/2"	1.86
K2768	16	4 3/4x1 1/2"	2.08
K2676	8-8	4 3/4x1 1/2"	2.16

SPRAGUE UHC High Capacity-Low Voltage Tubulars



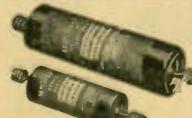
These miniature high capacity low voltage tubular dry electrolytics are specifically designed for use as cathode bypass capacitors and as smoothing filters for low voltage, high current power supplies. They provide exceptionally low leakage current.

No.	Mfd.	Wkg. Volts	D-L	Each
K2728	100	6	1 1/2x1 3/8"	\$0.67
K2729	250	6	1 1/2x1 3/8"	.85
K2730	500	6	1 1/2x1 3/8"	1.11
K2731	1000	6	1 1/2x2 1/8"	1.56
K2732	1500	6	1 1/2x3 1/8"	2.01
K2733	100	12	1 1/2x1 3/8"	.74
K2734	250	12	1 1/2x1 3/8"	.96
K2741	500	12	1 1/2x1 3/8"	1.33
K2742	1000	12	1 1/2x2 1/8"	2.23

No.	Mfd.	Wkg. Volts	D-L	Each
K2743	100	15	1 1/2x1 3/8"	\$0.77
K2744	250	15	1 1/2x1 3/8"	1.11
K2745	500	15	1 1/2x2 1/8"	1.56
K2746	1000	15	1 1/2x3 1/8"	2.68
K2747	100	25	1 1/2x1 3/8"	.81
K2748	250	25	1 1/2x1 3/8"	1.33
K2750	500	25	1 1/2x2 1/8"	2.01
K2751	100	50	1 1/2x1 3/8"	.89

SW Paper Capacitors

For high voltage, high frequency uses, mica capacitor substitute as by-pass, blocking, or antenna coupling capacitors. Units are oil-impregnated in metal cases to withstand severe climatic conditions. They are non-inductive and have the further advantage of very low power factor.



Stock No.	Cap. Mfd.	Wkg. Volts	Size D-L	Your Cost
K2722	.002	1500	3/4x1 1/4"	\$0.40
K2723	.005	1500	3/4x1 1/4"	.40
K2724	.01	1500	1 1/2x1 1/4"	.63

Stock No.	Cap. Mfd.	Wkg. Volts	Size D-L	Your Cost
K2725	.02	1500	1 1/2x1 1/4"	\$0.67
K2726	.05	1000	1 1/2x1 1/4"	.75
K2727	.1	1000	3/4x2 1/4"	.81

SPRAGUE PLS 450 Volt Dry Electrolytics

Exceptional quality in minimum size, PLS capacitors can be used with complete dependability where larger, old style can types were previously necessary. Aluminum cans have threaded bushing and locknut at one end for mounting. Etched foil process permits high capacity with very small leakage currents and low power factor. Cans completely insulated from capacitor sections.

Stock No.	Cap. Mfd.	Wkg. Volts	Size D-L	Your Cost
K2700	4	450	1x2 1/4"	\$0.77
K2701	8	450	1x2 1/4"	.96
K2702	12	450	1x2 1/4"	1.26
K2703	16	450	1x2 1/4"	1.41
K2704	20	450	1 1/2x2 1/4"	1.56
K2705	25	450	1 1/2x3 1/4"	1.67
K2706	30	450	1 1/2x3 1/4"	1.78

Stock No.	Cap. Mfd.	Wkg. Volts	Size D-L	Your Cost
K2707	40	450	1 1/2x3 1/4"	\$2.05
K2708	4-8	450	1 1/2x2 1/4"	1.30
K2709	8-8	450	1 1/2x2 1/4"	1.45
K2710	8-16	450	1 1/2x2 1/4"	1.86
K2711	16-16	450	1 1/2x3 1/4"	1.93
K2712	8-8-8	450	1 1/2x2 1/4"	2.08

SPRAGUE Television Replacements

Hermetically sealed, all impregnated metal tubulars, with outer cardboard insulating tube. They are specially designed for high frequency and television use and have a strong, flexible 2 1/2" pig tail lead at each end. In spite of compact size and form, working and test voltages are sufficiently great to meet the needs of most television applications.

Stock No.	Mfd.	Wkg. Volt.	Test Volt	Diam.	Length	Each
K2600	.05	2500	5000	1 1/8"	3 3/4"	\$0.73
K2609	.03	2500	5000	1 1/8"	2 3/4"	.73
K2644	.002	2500	5000	1 1/8"	1 1/2"	.62

TRUTEST condensers



Trutest Inverted Can Dry Electrolytics

DC dry electrolytic condensers in insulated cylindrical screw-base aluminum cans with 6" flexible insulated leads. Can insulated from condenser section. Maximum protection against humidity. Popular type for upright mounting; palmup supplied for this purpose. Overall size of can: 3 1/2" x 1 1/2". In three types: single section, dual section, dual with common neg.

450 V. Wkg. — 525 V. Peak		
No.	Mfd.	Each
K3323	4	\$0.56
K3324	8	.68
K3329	12	.90
K3300	16	.99
K3301	20	1.09
K3309	30	1.26
K3310	40	1.49
525 V. Wkg. — 600 V. Peak		
No.	Mfd.	Each
K3311	8	\$0.94
K3312	16	1.44
600 V. Wkg.—Highest quality series wound construction.		
No.	Mfd.	Each
K3313	4	\$1.19
K3314	8	1.66
K3315	12	1.95
K3347	16	2.23

Dual Section Units

450 V. Wkg. — 525 V. Peak
Same size as single units. Separate section construction. Four flexible insulated leads.

No.	Mfd.	Each
K3398	8-8	\$1.03
K3359	8-16	1.22
K3367	16-16	1.42
K3368	20-20	1.49

450 V. Wkg. — 525 V. Peak		
No.	Mfd.	Each
K3369	8-8	\$1.03
K3370	8-16	1.22
K3371	16-16	1.42
K3372	20-20	1.49

FULLY GUARANTEED FOR 1 YEAR!

For best results, use TRUTEST filter and by-pass condensers. They are manufactured to conform with the highest standards — easily meet all R.M.A. quality standards. All TRUTEST Dry Electrolytics are GUARANTEED to have a power-factor of from 4% to 8% leakage less than .1 Ma. per microfarad; all capacity ratings within a R.M.A. requirements; not affected by humidity (suitable for tropic use).

"Mites" Ultra Compact Dry Electrolytic Condensers



Ultra compact units that can be used in a large percentage of radio repair requirements. Especially well suited for use in a.d.-d.c. midsets, and wherever space is limited. Self-supporting wire leads are permanently attached to the end plates. All have cardboard outer sleeves. Conservatively rated.

Stock				Your Cost				Stock				Your Cost				
No.	Cap. Mfd.	Wkg. Vlt.	Size In.	No.	Cap. Mfd.	Wkg. Vlt.	Size In.	No.	Cap. Mfd.	Wkg. Vlt.	Size In.	No.	Cap. Mfd.	Wkg. Vlt.	Size In.	
K757	10	25	1/2x1 1/2	27c	K3283	20	250	1 1/2x2 1/2	52c	K3284	40	250	1 1/2x2 1/2	61c		
K758	25	25	1/2x1 1/2	31c	K766	4	450	1 1/2x1 1/2	36c	K767	8	450	1 1/2x1 1/2	39c		
K3275	5	50	1/2x1 1/2	27c	K768	12	450	1 1/2x1 1/2	47c	K788	16	450	1 1/2x1 1/2	58c		
K3276	10	50	1 1/2x1 1/2	29c	K789	20	450	1 1/2x1 1/2	63c	K790*	10-10	50	5/8x2 1/2	45c		
K759	25	50	1 1/2x1 1/2	36c	K3285*	8-8	150	1 1/2x2 1/2	52c	K3285*	20-20	150	1 1/2x2 1/2	68c		
K3277	50	50	1 1/2x1 1/2	45c	K794*	8-8	450	1x2 1/2	68c	K3289*	8-16	450	1x2 1/2	86c		
K760	4	150	1 1/2x1 1/2	27c	K3290*	20-20	150	1x2 1/2	86c							
K761	8	150	1 1/2x1 1/2	29c												
K762	12	150	1 1/2x1 1/2	31c												
K763	16	150	1 1/2x1 1/2	36c												
K764	20	150	1 1/2x1 1/2	39c												
K3278	30	150	1 1/2x1 1/2	41c												
K765	40	150	1 1/2x1 1/2	45c												
K3280	8	250	1 1/2x1 1/2	31c												
K3282	16	250	1 1/2x1 1/2	47c												

*—3 leads; †—4 leads.



TRUTEST MIDGET PAPER CARTRIDGE CONDENSERS

Ideal for A.C.-D.C. sets or wherever space is a factor. Highest quality at lowest prices. Finest metal foil and linen paper. Hermetically sealed and impregnated. Supplied in a wide variety of capacities and working voltages to meet practically every service requirement. All provided with long tinned wire leads; units can be made self-supporting.

Stock				Your Cost				Stock				Your Cost			
No.	Cap. Mfd.	Wkg. Volts	Your Cost	No.	Cap. Mfd.	Wkg. Volts	Your Cost	No.	Cap. Mfd.	Wkg. Volts	Your Cost	No.	Cap. Mfd.	Wkg. Volts	Your Cost
K3179	.01	400	9c	K3185	.002	600	9c	K3185	.002	600	9c	K3185	.002	600	9c
K3180	.02	400	12c	K3186	.006	600	12c	K3186	.006	600	12c	K3186	.006	600	12c
K3181	.05	400	14c	K3187	.01	600	14c	K3187	.01	600	14c	K3187	.01	600	14c
K3182	.1	400	20c	K3188	.02	600	20c	K3188	.02	600	20c	K3188	.02	600	20c
K3183	.25	400	28c	K3189	.05	600	28c	K3189	.05	600	28c	K3189	.05	600	28c
K3174	.5	400	20c	K3190	.1	600	20c	K3190	.1	600	20c	K3190	.1	600	20c
K3172	1.0	400	28c	K3191	.25	600	28c	K3191	.25	600	28c	K3191	.25	600	28c
K3184	.001	600	9c	K3169	.5	600	28c	K3169	.5	600	28c	K3169	.5	600	28c



Self-Mounting Dry Electrolytics

In uninsulated metal cans. Have mounting ears to be bent back under chassis. Connections to coded lug terminals. Perfectly sealed.

No.	Mfd.	Wkg. V.	Size	Each
K3325	10	450	1x2	\$0.59
K3326	15	450	1x2	.79
K3327	20	450	1x2	.89
K3330	40	450	1x3	1.29
K3331	10-10	450	1x2	.94
K3332	20-20	450	1x3	1.32
K3333	40-40	450	1 1/2x3	2.13
K3334	20-20	250	1x2	.89
K3335	20-20	150	1x2	.79
K3336	30-50	150	1x3	.98
K3338	40-20	150	1x2	.82
K3340	50-50	150	1x3	1.06
K3341	10-10/20	450/25	1x3	1.06
K3343	20-20/20	400/25	1x3	1.37
K3344	10-10/20	350/25	1x2	.89
K3345	20-20/20	150	1x2	.94
K3353	40-20/20	150	1 1/2x1	1.07
K3354	40-40/40	150	1x3	1.25
K3355	10-10/10/20	450/25	1 1/2x2	1.35
K3356	20-10-5/10	350/25	1 1/2x2	1.35
K3357	40-20/10/20	200/25	1 1/2x3	1.25

Mounting Plates for Above
K3358—Bakelite. For 1" cans..... 3c
K3361—Bakelite. For 1 1/2" cans..... 3c
K3362—Metal. For 1" cans..... 3c
K3363—Metal. For 1 1/2" cans..... 3c

Midget Molded Micacs

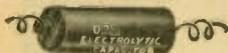
Tiny mica condensers in molded bakelite housings. Provided with pigtail wire leads. Sizes through .004 mfd. are 1000 v. test, 500 v. d.c. wkg.; above .004 mfd. are 600 v. d.c. test, 300 v. d.c. wkg.

Stock			Your Cost			Stock			Your Cost		
No.	Cap. Mfd.	Wkg. V.	No.	Cap. Mfd.	Wkg. V.	No.	Cap. Mfd.	Wkg. V.	No.	Cap. Mfd.	Wkg. V.
K3438	.0001	8c	K3402	.0006	9c	K3438	.0001	8c	K3402	.0006	9c
K3439	.00025	8c	K3443	.00075	9c	K3439	.00025	8c	K3443	.00075	9c
K3403	.0005	8c	K3416*	.001	11c	K3403	.0005	8c	K3416*	.001	11c
K3405	.001	8c	K3400*	.0015	11c	K3405	.001	8c	K3400*	.0015	11c
K3440	.0015	8c	K3418*	.002	14c	K3440	.0015	8c	K3418*	.002	14c
K3407	.002	8c	K3404*	.003	18c	K3407	.002	8c	K3404*	.003	18c
K3408	.0025	8c	K3446*	.004	21c	K3408	.0025	8c	K3446*	.004	21c
K3409	.0003	9c	K3406*	.005	23c	K3409	.0003	9c	K3406*	.005	23c
K3441	.004	9c	K3401*	.006	28c	K3441	.004	9c	K3401*	.006	28c
K3411	.005	9c				K3411	.005	9c			

*—1/4" square; others 1/8x1/8".

Servicemen's Specials

P-B Tubular Electrolytic Condensers With Self-Supporting Leads



For better performance at less cost, you can't beat "P-B" tubular electrolytics. Each capacitor backed by engineering skill and manufacturing experience of many years. Built to rigid standards, and assure satisfactory performance, with long life. Specifically designed for replacement and for manufacturing of new radio sets and equipment. Compact cardboard containers. Wax-sealed, impregnated and completely moisture-proofed. Equipped with tinned copper pigtail leads.

No.	Mfd.	Wkg. V.	Each
K3800	10	25	19c
K3801	25	25	24c
K3802	50	25	29c
K3803	16	150	26c
K4223	20	150	29c
K3804	30	150	31c
K4224	40	150	34c
K3805	50	150	39c
K3806	100	150	59c
K3807	8	450	30c
K3808	8-8	450	56c
K3809	10	450	35c
K3817	16	450	51c



P-B Dual Electrolytics With Mounting Brackets

Dual-section electrolytic condenser designed for general replacement receivers in CA-D.C. Compact size, completely insulated, wax-sealed moisture proofed, fully impregnated cardboard containers. All equipped with flexible, insulated color-coded wire leads. Special mounting bracket is provided on each condenser. Working voltage, each capacitor, 150 V. DC.

Three-Lead Dual Units Common Negative		
Stock No.	Capacity Mfd.	Your Cost
K4225	20-20	39c
K4226	30-20	42c
K4230	30-30	47c
K4227	40-30	53c
K4231	40-40	58c
K4228	50-30	58c
K4232	50-50	68c

Three-Lead Dual Unit Common Positive		
Stock No.	Capacity Mfd.	Your Cost
K4233	20-12	42c

Four-Lead Dual Unit		
Stock No.	Capacity Mfd.	Your Cost
K4235	20-20	43c

Pyramid Dry Electrolytic Condensers

"TYNEE-DRY" Electrolytics
Ideally suited for limited working space. In sealed metal tubes with cardboard sleeves, 3" pigtails.

No.	Mfd.	Wkg. V.	Size (in.)	Each	No.	Mfd.	Wkg. V.	Size (in.)	Each
K827	5	50	1 1/2x1 1/2	31c	K844	30	450	1 1/2x2 1/2	91c
K828	10	50	1 1/2x1 1/2	35c	K845	40	450	1 1/2x2 1/2	\$1.11
K829	25	50	1 1/2x1 1/2	44c					
K830	50	50	1 1/2x1 1/2	54c					
K831	100	50	1 1/2x1 1/2	75c					
K832	8	150	1 1/2x1 1/2	35c					
K833	16	150	1 1/2x1 1/2	44c					
K834	20	150	1 1/2x1 1/2	47c					
K835	30	150	1 1/2x1 1/2	50c					
K836	40	150	1 1/2x1 1/2	54c					
K837	50	150	1 1/2x1 1/2	70c					
K838	80	150	1 1/2x1 1/2	95c					
K839	4	450	1 1/2x1 1/2	44c					
K840	8	450	1 1/2x1 1/2	47c					
K841	10	450	1 1/2x1 1/2	54c					
K842	16	450	1 1/2x1 1/2	70c					
K843	20	450	1 1/2x1 1/2	75c					

Inverted Can Type

No.	Mfd.	Wkg. V.	Each
K859	4	450	67c
K860	8	450	82c
K861	16	450	\$1.21
K862	20	450	1.33
K863	30	450	1.52
K864	40	450	1.80

Dual Section, Four Leads			
No.	Mfd.	Wkg. V.	Each
K865	8-8	450	\$1.23
K866	16-16	450	1.71
K867	20-20	450	1.80

CARTRIDGE TYPE CBD

No.	Mfd.	Size (inches)	Each
K795	30-30	1x2 1/2	89c
K796	40-20	1x2 1/2	89c
K797	40-40	1x2 1/2	95c
K798	50-30</		

Inverted Can Type Dry Electrolytics



Supplied in aluminum threaded neck type containers with special hardware to replace original units regardless of diameter.

Type RS—Single Sections

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K4031	RS207	30	250	\$1.33
K3920	RS213	8	450	.96
K3921	RS215	12	450	1.26
K4032	RS216	16	450	1.41
K3936	RS219	20	450	1.56
K3937	RS223	30	450	1.78
K3938	RS224	40	450	2.05

Type RM—

Separate Sections

K3934	RM262	8-8	450	\$1.45
K3935	RM265	8-8-8	450	2.08

Type HS—High Surge

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Size Ina.	Your Cost
K4058	HS693	8	600	1 3/4 x 4	\$2.34

Universal Mounting Compact Dry Electrolytics



These capacitors are supplied in waxed cardboard tubes with an adjustable strap for horizontal mounting.

Single Sections

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K4119	ST595	8	450	\$0.55
K4121	ST597	16	450	.81
K3939	ST598	20	450	.89
K3940	ST599	30	450	1.33

Duals, Common Negative

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K3945	TN111	10-10	25	\$0.63
K4127	2N509	20-20	150	.96
K3941	2N513	30-30	150	1.04
K3942	2N511	40-40	150	1.19
K4128	2N516	8-8	250	.89
K4130	2N518	8-8	450	.96

Duals, Separate Sections

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K3943	2S556	30-30	150	\$1.30
K4138	2S567	8-8	450	1.22
K3944	2S569	16-16	450	1.78

Triple Units Com. Neg.

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K3946	3N527	20-20-20	150-25	\$1.30
K3948	3N533	30-30-20	150-25	1.33

Triple Units Sep. Sections

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K3692	3S579	8-8-20	450-25	\$1.49
K3949	3S582	8-8-8	250	1.33
K3695	3S594	8-8-8	450	1.67

Quad Units Sep. Sections

K3950	4S715	16-16, 10-10	150-25	\$1.71
K3951	4S718	8-8, 10-10	450-25	1.78

"Bath-Tub" Electrolytics



In aluminum tubes encased in corrosion-resistant hot-tinned steel cases, internally insulated.

Stock No.	Type No.	Wkg. Vlt.	Cap. Mfd.	Your Cost
K3891	BS26	25	25	\$1.64
K3892	BS29	50	25	1.89
K3893	BS36	25	50	1.78
K3894	BS39	50	50	2.01
K3895	BS45	20	150	1.86
K3916	BS48	40	150	2.05
K3919	BS62	10	300	1.82
K3922	BS65	20	300	2.24
K3924	BS81	8	500	3.16
K3926	BS91	8	600	3.64

"TC" Ultra-Compact Tubular Dry Electrolytics



These compact hermetically sealed tubulars are furnished in aluminum tubes with external insulating covers and 3" bare wire leads. Smaller than cardboard tubulars of equivalent rating, ideal where space is at a premium.

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost	Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K805	TC310	1000	3	\$1.30	K882	TC47	30	150	\$0.60
K807	TC605	500	6	1.11	K988	TC48	40	150	.63
K808	TC610	1000	6	1.56	K816	TC49	50	150	.82
K809	TC1505	500	16	1.56	K817	TC52	10	250	.52
K848	TC22	10	25	.37	K868	TC55	20	250	.74
K875	TC26	25	25	.44	K888	TC71	8	450	.55
K876	TC29	50	25	.55	K889	TC72	10	450	.63
K811	TC2501	100	25	.82	K393	TC74	15	450	.82
K987	TC32	10	50	.40	K869	TC75	20	450	.89
K812	TC36	25	50	.52	K870	TC77	30	450	1.08
K813	TC39	50	50	.63	K871	TC78	40	450	1.30
K814	TC42	10	160	.44	K872	TC82	10	500	1.66
K815	TC45	20	150	.55	K873	TC92	10	600	1.82

TCD and TCS Aluminum Tubulars



Type TCD and TCS tubulars are aluminum encased. The first are the common negative type with three terminals. The TCS tubulars are the separate section type with four terminals and can replace the common negative, common positive, or separate section capacitors. All use solder lug terminals and Mallory type TH mounting clips.

TCD-Duals, Common Negative—Fig. A

No.	Type	Mfd.	Vlt.	Each
K874	TCD26	25-25	25	\$0.78
K890	TCD45	20-20	150	.96
K891	TCD47	30-30	150	1.04
K892	TCD48	40-40	150	1.19
K893	TCD62	10-10	250	.89
K899	TCD55	20-20	250	1.26
K900	TCD62	10-10	350	1.04
K901	TCD65	20-20	350	1.41
K902	TCD71	8-8	450	.96
K903	TCD72	10-10	450	1.08
K904	TCD74	15-15	450	1.41
K906	TCD75	20-20	450	1.56

TCS Duals, Separate Section Fig. B

No.	Type	Mfd.	Vlt.	Each
K907	TCS44	15-15	150	\$1.16
K908	TCS45	20-20	150	1.23
K909	TCS47	30-30	150	1.33
K910	TCS48	40-40	150	1.49
K911	TCS52	10-10	250	1.27
K912	TCS55	20-20	250	1.64
K915	TCS61	8-8	350	1.27
K918	TCS64	15-15	350	1.64
K919	TCS71	8-8	450	1.33
K921	TC874	15-15	450	1.82
K923	TC875	20-20	450	1.97

Types FP and WP Fabricated Plate Metal Cased Dry Electrolytics



These compact capacitors are available in single, dual, triple and quad arrangements. All types use the mounting ears as the negative terminal. Separate positive terminal provided for each section. The FP type is supplied with one BP type mounting wafer.

Stock No.	Cap. Mfd.	Wkg. Vlt.	Your Cost	Stock No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K3644	3000	10	\$3.31	K3701	10-80	450-400	\$2.45
K3645	1000	15	2.15	K3702	80-10	450	2.45
K3646	2000	15	3.34	K3703	40-40-40	25	1.08
K3647	100	25	.96	K3704	15-15-1000	150-150-25	1.52
K3648	500	25	2.01	K3705	40-20-200	150-150-25	1.64
K3649	1000	25	3.13	K3666	40-20-20	150-150-25	1.08
K3650	500	50	3.31	K3706	50-30-100	150-150-25	1.52
K3683	50	150	.85	K3707	30-20-20	200-200-25	1.11
K3684	100	150	1.27	K3708	15-10-20	350-350-25	1.41
K3685	30	350	1.36	K3709	30-10-20	350-250-25	1.19
K3686	50	350	1.90	K3710	30-20-20	350-350-25	1.41
K3689	125	350	2.34	K3668	10-10-20	450-450-25	1.19
K3658	10	450	.67	K3711	20-15-15	450-350-300	1.52
K3659	15	450	.89	K3712	20-20-20	450-450-25	1.56
K3660	20	450	1.00	K3713	40-40-20	450-450-25	2.45
K3691	30	450	1.23	K3669	20-20-20	150	1.08
K3693	40	450	1.45	K3714	40-40-40	150	1.41
K3681	80	450	2.20	K3715	10-10-10	350	1.23
K3694	1000-1000	15	3.92	K3670	10-10-10	450	1.41
K3662	30-30	150	1.00	K3671	40-40-30-20	150-150-150-25	1.49
K3699	50-50	150	1.19	K3673	15-15-10-20	450-450-450-25	1.71
K3700	15-15	350	1.00	K3672	20-15-20-20	450-450-25-25	1.64
K3663	20-20	350	1.22	K3716	40-30-10-20	450-450-450-25	2.53
K3664	10-10	450	1.08	K3717	10-10-10-10	450	1.71
K3665	20-20	450	1.49	K3718	20-20-20-20	450	2.45
K3680	40-40	450	2.38				

Type PS Molded Plastic Sockets



The PS type socket is made of molded plastic, used for plug-in mounting of FP or WP type capacitors. (Blank ear on the capacitor should be removed to permit polarization with respect to socket.)

K3719	PS4 for 1" Diam. Cond.	44c
K3720	PS6 for 1 1/2" Diam. Cond.	55c

"TP" Paper Tubulars



Wax impregnated, in waxed cardboard tubes. Seal, type wax afford maximum weather protection.

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K3896	TP421	.01	400	
K3897	TP423	.02	400	15c
K3898	TP426	.05	400	
K3899	TP428	.1	400	19c
K3818	TP429	.2	400	22c
K3900	TP430	.25	400	
K3901	TP431	.5	400	33c
K3819	TP422	1.0	400	44c
K3902	TP401	.0001	600	
K3903	TP402	.00025	600	
K3904	TP403	.0005	600	
K3905	TP404	.001	600	15c
K3906	TP405	.002	600	
K3907	TP408	.005	600	
K3908	TP409	.006	600	
K3909	TP410	.01	600	
K3910	TP412	.02	600	
K3820	TP413	.03	600	19c
K3821	TP414	.04	600	
K3911	TP415	.05	600	
K3912	TP416	.06	600	22c
K3913	TP418	.1	600	
K3914	TP420	.25	600	33c
K3915	TP432	.5	600	44c
K3823	TP433	1.0	600	74c

Oil Impregnated Tubulars



OW cardboard tubulars are oil impregnated and wax sealed. OT metal cased tubulars are hermetically sealed and provided with insulating sleeves.

Stock No.	Type No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
K4011	OW340	.0005	1600	
K4012	OW341	.001	1600	
K4013	OW331	.002	1600	
K4014				

CORNELL-DUBILIER condensers

BRH High-Capacity Low-Voltage Units

Similar to the FA series but more compact.



No.	Type	Mfd.	V.	Size	Each
K2567	BRH601	100	6	3/4x1 1/2	\$0.66
K2557	BRH6025	250	6	3/4x1 1/2	.84
K2568	BRH605	500	6	3/4x2 1/4	1.11
K2569	BRH610	1000	6	3/4x2 1/4	1.56
K2573	BRH615	1500	6	3/4x2 1/4	2.00
K2574	BRH620	2000	6	1x2 1/2	2.45
K2575	BRH121	100	12	3/4x1 1/2	.74
K2558	BRH1225	250	12	3/4x2	.96
K2577	BRH125	500	12	3/4x2	1.34
K2578	BRH151	100	15	3/4x1 1/2	.77
K2559	BRH1525	250	15	3/4x2	1.11
K2580	BRH155	500	15	3/4x2 1/4	1.56
K2579	BRH251	100	25	3/4x2	.81
K2581	BRH2525	250	25	3/4x2	1.33
K2553	BRH255	500	25	1x2 1/2	2.00
K2554	BRH501	100	50	3/4x2	.88

C-D Molded Micacs



Compact mica condensers in molded bakelite housings. Type 1W (fig. A) is 3/4x3/4; type 5W (fig. B) are only 1/2x1/2. All are 1000 volts test, 500 VDC up to .003 mfd. 300 VDC above.

No.	Mfd.	Fig.	Each
K1309	.000005	B	15c
K1355	.00001	B	15c
K1356	.00002	B	15c
K1357	.000025	B	15c
K1311	.00003	B	15c
K1312	.00004	B	12c
K1358	.00005	B	12c
K1365	.00007	B	12c
K1359	.0001	B	12c
K1360	.00015	B	12c
K1361	.0002	B	12c
K1362	.00025	B	15c
K1368	.0003	B	15c
K1369	.0004	B	15c
K1363	.0005	B	15c
K1370	.0006	B	15c
K1364	.001	A	18c
K1375	.0015	A	18c
K1366	.002	A	24c
K1378	.0025	A	26c
K1367	.003	A	29c
K1372	.004	A	32c
K1373	.005	A	35c
K1374	.006	A	44c
K1377	.01	A	53c

"KR" Dry Electrolytics

Extremely compact etched foil dry electrolytics with color coded leads. May be mounted in any position—either above or below sub-panel. Seamless drawn aluminum can equipped with mounting nut. Furnished with long insulated color coded leads.

250 Volts D. C. Working					
No.	Type	Mfd.	Size	Each	
K1219	KR208	8	1x2 1/2	\$0.84	
K1220	KR212	12	1x2 1/2	1.00	
K1280	KR225	25	1x3 1/2	1.33	
450 Volts D. C. Working					
K1295	KR504	4	1x2 1/2	.77	
K1296	KR508	8	1x2 1/2	.96	
K1297	KR512A	12	1x2 1/2	1.25	
K1298	KR516A	16	1x3 1/2	1.41	
K1290	KR520	20	1 1/2x2 1/2	1.66	
K1334	KR530	30	1 1/2x3 1/2	1.85	
K1340	KR540	40	1 1/2x4 1/2	2.04	
600 Volts D. C. Working					
K1050	KR608	8	1 1/2x4 1/2	2.33	
K1051	KR616	16	1 1/2x4 1/2	3.12	

Com. Neg. Units 450 V.W.D.C.

K1347	KRC5116	16-16	1 1/2x3 1/2	2.00
K1349	KRC5220	20-20	1 1/2x4 1/2	2.11

Sup. Sec. Units 450 V.W.A.C.

K1299	KR548A	4-8	1 1/2x3	1.29
K1300	KR588A	8-8	1 1/2x3	1.44
K1354	KR5816A	8-16	1 1/2x4 1/2	1.71
K1302	KR5888A	8-8-8	1 1/2x4 1/2	2.07

"BLUE BEAVER" Type BR Dry Electrolytics



Extremely small and very handy to use. Feature: Electro-Chemical etching that eliminates corrosion; HI-Formation Process that affords higher voltage breakdown; HI-Pressure Centrifuge that provides better impregnation and gives a lower power factor; HI-Purity Aluminum Foil that makes for better direct current leakage recovery; Special C-D Super-Purity Cellulose Separator that gives extra long life; Double aging that provides more stable characteristics.

25 Volts D. C.					250 Volts D. C.				
No.	Type	Mfd.	Size	Each	No.	Type	Mfd.	Size	Each
K1090	BR102	10	3/4x1 1/2	\$0.37	K1105	BR425	4	3/4x1 1/2	\$0.40
K1091	BR202A	20	3/4x1 1/2	.40	K1106	BR825	8	3/4x1 1/2	.44
K1092	BR252A	25	3/4x1 1/2	.44	K1107	BR1225	12	3/4x2	.59
K1093	BR502	50	3/4x1 1/2	.55	K1108	BR1625	16	3/4x1 1/2	.66
					K1109	BR2025	20	3/4x1 1/2	.73
					K1110	BR4025	40	3/4x2 1/2	.85
50 Volts D. C.					450 Volts D. C.				
K1094	BR550	5	3/4x1 1/2	.37	K1084	BR145	1	3/4x1 1/2	.40
K1095	BR105	10	3/4x1 1/2	.40	K1085	BR245	2	3/4x1 1/2	.44
K1096	BR205	20	3/4x1 1/2	.44	K1111	BR445	4	3/4x1 1/2	.51
K1097	BR255	25	3/4x1 1/2	.51	K1112	BR845	8	3/4x2	.55
K1098	BR505	50	3/4x1 1/2	.62	K1087	BR1045	10	3/4x2	.62
150 Volts D. C.					500 Volts D. C.				
K1099	BR415	4	3/4x1 1/2	.37	K1113	BR1245	12	3/4x2	.66
K1100	BR815	8	3/4x1 1/2	.40	K1114	BR1645	16	3/4x2 1/2	.81
K1101	BR1215	12	3/4x1 1/2	.44	K1115	BR2045	20	1x2 1/2	.89
K1102	BR1615	16	3/4x1 1/2	.51	K1055	BR3045	30	1x3	1.07
K1103	BR2015	20	3/4x1 1/2	.55	K1089	BR4045	40	1x3	1.29
K1054	BR3015	30	3/4x2	.59					
K1104	BR4015	40	3/4x2	.62	K1116	BR850	8	3/4x1 1/2	.77
K1033	BR5015	50	3/4x2	.73	K1117	BR1650	16	1x2 1/2	1.19

BRL Dual Beavers (Com. Neg.)

Equipped with sturdy center mounting strap; only one screw to mount under chassis. With long color-coded leads.



Stk. No.	Type	Cap. Mfd.	Volts	Size	Each
K1119	BRL2101	10-10	25	3/4x1 3/4	\$0.62
K1121	BRL115	10-10	50	3/4x2 1/4	.73
K1124	BRL2215	20-20	150	1 1/2x2 1/2	.96
K1079	BRL4215	40-20	150	1 1/2x2 1/2	1.03
K1125	BRL8125	8-16	250	3/4x2 3/4	.96
K1126	BRL1125	16-16	250	1x2 3/4	1.11
K1127	BRL8845	8-8	450	1x2 3/4	.96
K1128	BRL8145	8-16	450	1 1/2x3 1/2	1.22

Triple Common Negative Units

K1080	BRL2215C	20-20/20	150/25	1x2 1/2	1.29
K1081	BRL4215C	40-20/20	150/25	1x2 1/2	1.41
K1082	BRL5315C	50-30/20	150/25	1 1/2x3	1.66

"DA" Metal Cased Paper By-Pass Condensers



Highest grade aluminum foil, laminated Kraft tissue; impregnated in wax compound, oil-cooled, potted in special wax. Lug terminals, mtg. feet for simple assembly.

400 Volts D.C. Wkg.					
No.	Mfd.	L x W x T	Each		
K1277	.1	1 1/2x1 1/2x3/4	\$0.59		
K1278	.25	1 1/2x1 1/2x3/4	.65		
K1279	.5	1 1/2x1 1/2x3/4	.84		
K1342	1.0	2x1 1/2x3/4	1.11		
K1343	2.0	2x2 1/2x3/4	1.41		
K1344	1.-1	1 1/2x1 1/2x3/4	.73		
K1345	.25-.25	2x1 1/2x3/4	.88		
K1346	.5-.5	2x1 1/2x1	1.11		
600 Volts D.C. Wkg.					
K1348	.5	2x1 1/2x1 1/2	1.07		
K1350	1.0	2x2 1/2x1 1/2	1.33		

High Voltage Dry to Replace Wet Electrolytics

High Formation—High Voltage dry electrolytics especially designed to replace wets. Available in three universal types. The 10 mfd. dry unit will replace wet electrolytics from 4 to 12 mfd.; 20 mfd. replaces wets from 12 to 24 mfd.; 40 mfd. replaces wets from 24 to 40 mfd.

No.	Type	Mfd.	Size	Each
K1052	WR10	10	1 1/2x2 1/2	\$0.84
K1053	WR20	20	1 1/2x2 1/2	1.22
K1059	WR30	30	1 1/2x3	1.41
K1056	WR40	40	1 1/2x3 1/2	1.48

"EZ" Universal Mtg. Dry Electrolytics

Popular low cost replacements. Have feet to replace inverted can or spade lug types, or can be used beneath chassis by means of the center strap. Unused mountings can easily be cut off. Sealed in moisture-proof cardboard tubes, with 8" leads.



No.	Cap.	Volts	Ins.	Each
K1326	16	250	1x2 1/2	\$0.66
K1327	8	460	3/4x2 1/2	.55
K1328	16	450	1 1/2x2 1/2	.81
K1331	30	450	1 1/2x3 1/2	1.56

Dual Common Neg. Units

K1132	20-20	150	1x2 1/2	1.11
K1215	30-30	150	1 1/2x2 1/2	1.29
K1216	50-50	150	1 1/2x3 1/2	1.48
K1198	8-8	450	1 1/2x4 1/2	.96

Dual Separate Section Units

K1133	8-8	250	1 1/2x2 1/2	.96
K1217	16-16	250	1 1/2x3 1/2	1.48
K1218	16-16	350	1 1/2x4 1/2	1.63
K1329	8-8	450	1 1/2x3	1.22
K1330	8-16	450	1 1/2x3 1/2	1.48
K1331	16-16	450	1 1/2x4 1/2	1.77

Triple Common Neg. Units

K1134	20-20/20	150/25	1x3	1.29
K1332	30-10/20	150/25	1x3	1.29
K1259	40-20/20	150/25	1 1/2x3	1.33
K1333	30-20/20	150	1 1/2x3 1/2	1.33
K1260	40-20/20	150	1 1/2x3	1.48

Triple Separate Section Units

K1338	8-8/20	450/25	1x3	1.48
K1339	12-12/20	450/25	1 1/2x4 1/2	1.77
K1335	8-8-8	250	1 1/2x3	1.48
K1275	8-8-8	450	1 1/2x3 1/2	1.66

Quadruple Common Neg. Units

K1341	30-20/10-10	150/25	1 1/2x2 1/2	1.63
K1136	50-30-20/20	150/25	1 1/2x3 1/2	1.81
K1137	50-50-50/20	150/25	1 1/2x3 1/2	2.04

FA Low-Voltage High-Capacity Units



Designed especially for low-voltage high-capacity requirements.

No.	Mfd.	Volts	In.	Each
K2560	1000	12	1 1/2x3 1/2	\$2.22
K2561	1500	12	1 1/2x4 1/2	2.68
K2562	2000	12	1 1/2x4 1/2	2.89
K2544	4000	12	1 1/2x4 1/2	4.91
K2563	1000	18	1 1/2x3 1/2	2.68
K2564	2000	18	1 1/2x4 1/2	3.56
K2545	1000	25	1 1/2x4 1/2	3.12
K2565	2000	25	1 1/2x4 1/2	5.35
K2566	1000	35	1 1/2x4 1/2	3.56
K2546	500	50	1 1/2x4 1/2	2.91
K2551	1000	50	1 1/2x4 1/2	5.35
K2555	2000	50	2 1/2x4 1/2	11.15

"DU" Dry Electrolytics



Smallest can type dry electrolytics. Hermetically sealed in aluminum cans, terminal lugs on bakelite insulating cover. Can negative. Projecting tongues for vertical mounting on chassis or mounting plate. Tongues have wire holes; low leakage and power factor, dependable operation.

No.	Cap.	Volts	Ins.	Each
K1138	50	150	1x2	\$0.84
K1139	50	350	1x3	1.29
K1140	125	350	1 1/2x3	2.33
K1150	10	450	1x2	.66
K1141	15	450	1x2	.88
K1151	20	450	1x2	1.00
K1152	40	450	1x2	1.45
K1142	80	400	1 1/2x3	2.19

servicemen's specials

GE GD-60 Drilled Cabinet
A. GE popular "Edison Deal" model. They go fast. Accurately drilled and sloped. A perfect replacement fit. A good call item. Shpg. wt. 4 lbs.
K19440—
Your Cost Each... \$3.75

PHILCO PT-25 Drilled Cabinet
B. Drilled to fit. Inside dimensions $5\frac{1}{2} \times 8\frac{1}{2} \times 3\frac{1}{4}$ ". Ever popular model. Stock several of this fast-moving cabinet. Quantity limited. Order today. Shpg. wt. 3 lbs.
K19441—
Your Cost Each... \$2.05

GE L-500 Drilled Cabinet
C. Famous GE slide rule model. A perfect fit. Inside dimensions are $6\frac{1}{2} \times 10\frac{1}{4} \times 4\frac{1}{2}$ ". Order this popular model today. They go terrifically fast. Shpg. wt. 4 lbs.
K19439—
Your Cost Each... \$2.75

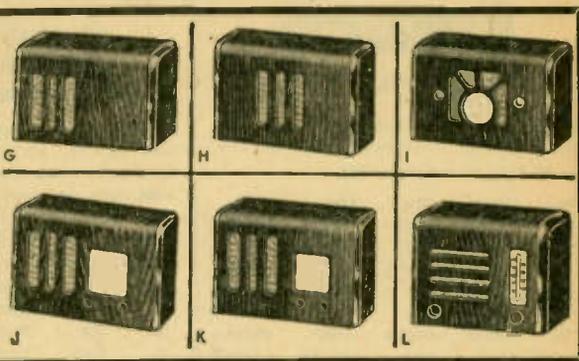
EMERSON AX-211 Drilled Cabinet
D. Accurately drilled cabinet for this popular Emerson model. Inside dim. $5\frac{1}{2} \times 8\frac{1}{2} \times 4$ ". Order several today. Shpg. wt. 4 lbs.
K19434—
Your Cost Each... \$2.05

RCA 9TX Drilled Cabinet
E. Useful model to keep in stock. Inside dim. $5\frac{1}{2} \times 8\frac{1}{2} \times 4$ ". Order several of these best sellers today. Our quantity in stock is limited. Shpg. wt. 3 lbs.
K19442—
Your Cost Each... \$2.05

EMERSON 301 Drilled Cabinet
F. Exact duplicate in wood of this ever-popular model. Inside dimensions are $6\frac{1}{2} \times 9\frac{1}{2} \times 5$ ". A fast seller. Keep several in stock and cash in on the heavy demand. Shpg. wt. 4 lbs.
K19437—
Your Cost Each... \$2.75

Walnut Veneer Replacement Cabinets

A complete line of replacement cabinets that permits servicemen to handle the most popular receivers. Sturdily constructed with solid wood and plywood bases, reinforced corners, tongue and groove joints. Handsomely finished in fine grained Walnut veneers.



Blank 4-Tube Chassis Cabinet
G. Inside dim. $8\frac{1}{2} \times 5\frac{1}{2} \times 4\frac{1}{4}$ ".
K19430—wt. 3 lbs. **\$2.05**
Your Cost Each...

Blank 5-6 Tube Chassis Cabinet
G. Inside dim. $10\frac{1}{2} \times 6\frac{1}{2} \times 5\frac{1}{2}$ ".
K19431—wt. 3 lbs. **\$2.75**
Your Cost Each...

Blank 7-10 Tube Chassis Cabinet
G. Inside dim. $12\frac{1}{2} \times 7\frac{1}{2} \times 6\frac{1}{4}$ ".
K19432—wt. 4 lbs. **\$3.20**
Your Cost Each...

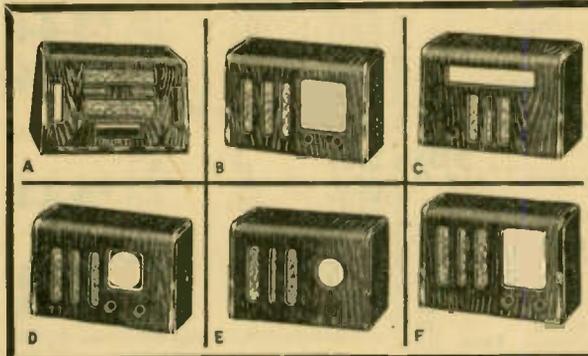
Blank 5-6 Tube Chassis Cabinet
H. Inside dimensions of this center grille cabinet $10\frac{1}{2} \times 6\frac{1}{2} \times 5\frac{1}{2}$ ".
K19433—wt. 4 lbs. **\$2.75**
Your Cost Each...

EMERSON U4B-199 Cabinet
I. Accurately drilled. Sturdy. Shpg. wt. 4 lbs.
K19435—
Your Cost Each... \$2.75

EMERSON EP Drilled Cabinet
J. This cabinet is in great demand today. Stock now. Shpg. wt. 4 lbs.
K19436—
Your Cost Each... \$2.75

FADA L56 Drilled Cabinet
K. Also fits popular LAFAY-ETTE. Stock several.
K19438—wt. 4 lbs. **\$2.75**
Your Cost Each...

EMERSONETTE Cabinet
L. Great midget favorite. Very sturdy. Accurate. Shpg. wt. 2 lbs.
K19429—
Your Cost Each... \$2.05



NHI "Coldpatch" Speaker Repair Kit
Goodbye to messy glues and cemental Apply NHI "Coldpatch" to the rip in the speaker cone just like a Band-Aid. Banish rattling and rasping forever, because NHI "Coldpatch" is gummed with a specially-developed tacky substance that never dries hard. The NHI "Coldpatch" speaker repair kit contains 36 Coldpatches in three convenient sizes, plus a 5"x7" Coldpatch strip, which can be cut to fit special jobs. Complete instructions included.
K15242—Kit complete. **Your Cost. 73c**

FEDERAL Rectifiers
Federal's new miniature Selenium rectifiers were designed to replace 11726, 11723, OY4, and most other rectifier type tubes in AC-DC battery-type portable radio sets, in intercoms, etc. Characteristics: peak inverse voltage—380 volts; 100 milliamperes maximum. Remarkably small dimensions—only $1\frac{1}{2}$ " long, $1\frac{1}{4}$ " wide, and $1\frac{1}{4}$ " high. Replaces both tube and socket. These miniature rectifiers are extremely rugged and long lasting. A necessary item for servicing portables.
K6099—Your Cost Each... **\$1.09**
Lots of 6, each... **.99c**

STANCOR Multi-Use Slide Rule
A "must" for servicemen, students, and hams. Includes tables of natural trigonometric functions, four place logarithm tables, trigonometric formulae, general equations, and a concise instruction chart for easy use. Conveniently sized ($10\frac{1}{2} \times 4$ "),
K14747—Your Cost Each... **98c**

Handy Kits for Servicemen!

Mica Condenser Kit
Assortment of 50 mica condensers. Coded values on each. All usable sizes. Sealed in molded bakelite housing. Individually tested; will give dependable service. High "Q".
No capacity drift with time. Provided with long pigtail leads for easy connection. Wt. 1 lb.
KPS540—Assortment of 50. **\$1.95**
Your Cost

1/3 Watt Resistor Kit
Fifty $\frac{1}{3}$ watt resistors. High quality units made by a well-known manufacturer. Take advantage of our tremendous buying power which gives you this value at low cost. Each resistor color-coded. Pigtail leads. Wt. 1 lb.
KPS509—Assortment of 50. **89c**
Your Cost

Volume Controls Kit
A highly desirable item, since individual volume controls are somewhat higher in cost. This kit of 10 assorted volume controls contains all usable values. Short shafts, no switches attached. Shafts measure from $\frac{1}{8}$ " to $\frac{1}{4}$ " in length. Diameters range from $1\frac{1}{16}$ " to $1\frac{1}{4}$ ". Weight 2 lbs.
KPS421—Assortment of 10. **\$1.39**
Your Cost

Copper Lug Kit
A one pound assortment of tinned copper lugs. Used in radio construction and parts replacement. Ample current carrying capacity for all radio purposes. Tinned for easy soldering.
K14767—Assortment of 450. **65c**
Your Cost

100 RMA Coded Carbon Resistors
This servicemen's special contains 100 RMA coded carbon resistors—all brand new and standard usable sizes. Contains fifty $\frac{1}{2}$ -watt resistors and fifty 1-watt resistors. Resistance values will not vary at normal voltage. Provided with long flexible pigtail leads. Ideal for installation in congested spaces. Our supply of this special is limited.
K3848—Assortment of 100. **\$1.49**
Your Cost

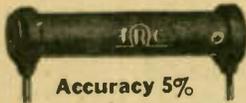
Kit of 25 Tubular By-pass Condensers
Wax impregnated, non-inductively wound. Precision manufactured and individually tested. Satisfies RMA requirements. Kit consists of 25 selected and popular tubular by-pass condensers. Condensers selected are of standard capacities and working voltages. Capacity values range from .002 microfarads to .5 microfarads. Long flexible pigtail leads on each condenser.
K3360—Assortment of 25. **97c**
Your Cost

Ceramicon Kit
Ceramicon condensers provide the ultimate in stability. The temperature coefficient is determined by ingredients of the ceramic dielectric and is controllable to within very fine limiting values. All condensers are color-coded and have long flexible pigtail leads.
KPS511—Assortment of 25. **69c**
Your Cost

IRC resistors

WIRE WOUND POWER RESISTORS

FIXED TYPES



Accuracy 5%

Machine wound on non-hygroscopic cores. Heavy lugs on all except types AB and DG, which have strong wire leads.

Ohms	Ohms	Ohms	Ohms	Ohms
1	250*††	2000*††	6000*	25000*††
5*	300	2250	7000*	30000*††
10*	400	2500*††	7500*††	35000
25*††	500*††	3000*††	10000*††	40000*††
50*††	750*††	3500	12000*	50000*††
75†	1000*††	4000*††	12500*	60000*††
100*††	1250†	4500	15000*††	75000*††
150†	1500*††	5000*††	20000*††	100000*††
200*	.....	.....	.....	.....

TYPE AB—10 WATT

1 1/4" x 1/4". All listed ranges up to 50,000 ohms. 30,000 ohms and over are 5 watts. Specify resistance when ordering.

K5210—
Up to 10,000 ohms..... **34¢**
Above 10,000 ohms. Each..... **38¢**

TYPE DG—20 WATT

2" x 1/4". All listed ranges. 60,000 ohms and over are 10 watts. Specify resistance when ordering.

No. From To Each
K5211 1 15,000 \$0.54
K5212 20,000 50,000 .66

TYPE EP—50 WATT

4 1/2" x 3/4". All listed ranges marked with (*). Specify resistance when ordering.

No. From To Each
K5248 5 5,000 \$0.92
K5249 6,000 25,000 1.07
K5254 30,000 100,000 1.22

TYPE HA—100 WATT

6 3/4" x 1 1/4". All listed ranges marked with (†). Specify resistance when ordering.

No. Values Each
K5260 100 to 5,000 \$1.26
K5261 7,500 to 25,000 1.49
K5234 50,000 1.69
K5235 75,000 1.91
K5236 100,000 2.11

TYPE HO—200 WATT

10 1/2" x 1 1/4". All listed ranges marked with (†). Specify resistance when ordering.

No. From To Each
K5237 100 10,000 \$2.11
K5238 15,000 100,000 2.52

BLEEDER RESISTORS



Type M-1034 bleeder resistors. 25,000 ohms overall resistance, tapped at 7,500, 10,000, 12,500 and 15,000 ohms. 18 watt rating attached flat to metal chassis, 9 watt free air rating. Used as bleeder in any power supply up to 500 volts. Insulation 1000 volts to ground. Bracket supplied. M1034. **K5104—Your Cost..... 73¢**

TYPE NAB PARASITIC SUPPRESSOR



Non-inductive wire wound resistors. Designed for use, one in each grid of audio driver or power amplifier tubes when paralleled, to prevent parasitic oscillation. 10 watts, 50 ohms. **K5158—Type NAB. Your Cost.... 69¢**

ADJUSTABLE TYPES



Accuracy 5%

For all industrial and radio uses. Dissipate heat rapidly, withstand heavy overloads, have great mechanical strength. All but 10 watt units are supplied with new improved Type X contact bands with silver contact button. Mounting brackets with all units except Type ABA.

Ohms	Ohms	Ohms	Ohms	Ohms
5	200*	1500*†	6000*	40000*†
10	250	2000*†	7500*	50000*†
25	500*†	2500*†	10000*†	75000*†
50	750*	3000*†	15000*†	100000*†
100*†	1000*†	4000	20000*†	.....
150	1250	5000*†	25000*†	.....

TYPE ABA—10 WATT

1 1/4" x 1/4". All listed ranges up to 10,000 ohms. Specify resistance when ordering.

K5262—
Your Cost Each..... **58¢**
K5213—Extra slider for above. Each 8¢

TYPE DHA—25 WATT

2 1/2" x 1/4". All listed ranges up to 25,000 ohms. Specify resistance when ordering.

No. From To Each
K5274 5 5,000 \$0.73
K5275 6,000 15,000 .84
K5276 20,000 25,000 .92
K5219—Extra slider for above. Each. .16

TYPE EPA—50 WATT

4 1/2" x 3/4". All listed ranges up to 100,000 ohms. Specify resistance when ordering.

No. From To Each
K5286 5 5,000 \$1.15
K5287 6,000 25,000 1.26
K5288 40,000 50,000 1.45
K5289 75,000 100,000 1.69
K5217—Extra slider for above. Each. .16

TYPE ESA—80 WATT

6 3/4" x 1/4". All listed ranges except 150, 1,250, and 75,000. Specify resistance when ordering.

No. From To Each
K5196 5 5,000 \$1.49
K5197 6,000 25,000 1.69
K5198 40,000 50,000 1.91
K5199 60,000 100,000 2.11
K5217—Extra slider for above. Each. .16

TYPE HAA—100 WATT

6 3/4" x 1 1/4". All listed ranges marked by (*). Specify resistance when ordering.

No. From To Each
K5266 100 5,000 \$1.69
K5267 6,000 25,000 1.91
K5268 40,000 50,000 2.11
K5269 75,000 100,000 2.29
K5218—Extra slider for above. Each. .20

TYPE HOA—200 WATT

10 1/2" x 1 1/4". All listed ranges marked (†). Specify resistance when ordering.

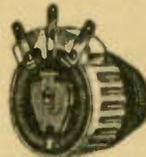
No. From To Each
K5270 100 10,000 \$2.52
K5271 15,000 100,000 2.95
K5218—Extra slider for above. Each. .20

Center Tap Insulated Wire Wounds



Completely enclosed in molded bakelite. Withstand high temperatures. Molded unit 2" long. Bracket mounting centers, 2 1/2". Six standard ranges, 10, 20, 50, 75, 100 and 200 ohms. Specify resistance when ordering. **K5103—Any range above. Your Cost..... 21¢**

ALL-METAL RHEOSTATS



All-metal units with die-cast aluminum case. Heat is uniformly distributed throughout the element regardless of percentage of element actually used. Exclusive IRC Spiral Connector gives positive contact between rotor arm and center connector. PR-25 (25 watt) are 1 1/4" diam., 1/4" behind panel. PR-50 (50 watt) are 2 1/2" diam., 1 1/4" behind panel.

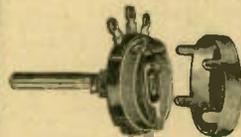
PR-25—25 WATT

No.	Ohms	Amps.	Each
K9150	6	2.04	
K9151	10	1.58	
K9152	25	1.00	
K9153	50	.709	
K9154	75	.575	\$3.06
K9155	100	.500	
K9156	250	.315	
K9157	350	.267	
K9158	500	.222	
K9159	750	.173	
K9160	1000	.155	\$3.44
K9161	1500	.129	
K9162	2500	.100	
K9163	5000	.070	\$3.64

PR-50—50 WATT

No.	Ohms	Amps.	Each
K7746	6	2.88	
K7747	16	1.77	
K7748	50	1.00	
K7749	125	.630	\$3.44
K7750	225	.470	
K7751	300	.407	
K7752	500	.315	
K7753	1000	.223	
K7754	2500	.140	\$3.64
K7755	5000	.100	
K7756	10000	.070	\$3.82

TYPE "W" WIRE WOUND CONTROLS



A dependable wire wound control of uniform resistance change for power requirements up to 2 watts. Tight, uniform windings assure utmost accuracy. Spiral Spring Connector between rotor arm and center terminal eliminates noise. Diameter 1 1/4"; 1/4" behind panel; 2 1/4" flatted shaft, 1/4" diam. Supplied with cover, less switch.

Stock No.	IRC No.	Ohms	Stock No.	IRC No.	Ohms
K7803	W-2	2	K7821	W-100	100
K7805	W-3	3	K7822	W-200	200
K7806	W-5	5	K7823	W-300	300
K7810	W-6	6	K7824	W-400	400
K7811	W-8	8	K7825	W-500	500
K7812	W-10	10	K7826	W-750	750
K7813	W-15	15	K7827	W-1000	1000
K7814	W-20	20	K7828	W-2000	2000
K7815	W-25	25	K7829	W-3000	3000
K7816	W-30	30	K7830	W-4000	4000
K7817	W-40	40	K7831	W-5000	5000
K7818	W-50	50	K7832	W-7500	7500
K7819	W-60	60	K7833	W-10000	10000
K7820	W-75	75			

Your Cost Each, Any Above Type..... **73¢**

TYPE "W" SWITCHES For Use With Type "W" Controls

K7834—S.P.S.T.	Each.....	35¢
K7835—D.P.S.T.	Each.....	44¢
K7836—S.P.D.T.	Each.....	44¢

If there is any item not listed on these pages, we can supply it. Simply list your requirements and manufacturer's part number if known.

PRECISION WIRE WOUND RESISTORS



Type WW-4
Type WW-5



Type WW-1
Type WW-2

The utmost in accuracy and dependability. These units are used by the leading instrument manufacturers for dependable precision meter multipliers and shunts. Winding forms are of non-hygroscopic ceramic having high insulation qualities, high mechanical strength and low coefficient of expansion. Special sectional construction permits the winding of adjacent sections in opposite directions making possible a non-inductive winding and insuring constant resistance at all frequencies up to 50,000 cycles. 1% accuracy is standard. WW-1— $\frac{1}{2}$ " x $\frac{1}{4}$ " x $\frac{1}{4}$ ". WW-2— $\frac{1}{2}$ " x $\frac{1}{4}$ " x $\frac{1}{4}$ ". WW-4— $\frac{1}{2}$ " x 1". WW-5— $\frac{1}{2}$ " x 1".

Type WW-1

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
K5146	0.1		K5155	12500	\$1.04
K5151	0.5		K5148	15000	
K5150	1		K5171	20000	
K5159	10		K5149	22500	
K5160	25		K5172	25000	\$1.22
K5161	50		K5173	30000	
K5162	100		K5156	40000	
K5164	200		K5176	50000	
K5200	250		K5177	60000	\$1.45
K5152	300		K5178	75000	
K5165	500		K5179	100000	..... \$1.61
K5166	1000		K5157	125000	..... 1.83
K5143	1500		K5181	150000	
K5144	2000		K5182	175000	\$2.03
K5167	2500		K5183	200000	
K5153	4000		K5184	225000	\$2.21
K5168	5000		K5185	250000	
K5147	7500		K5186	300000	\$2.41
K5169	10000		K5187	400000	
			K5188	500000	..... 2.79

Type WW-4

Stock No.	Res. Ohms	Your Cost	Stock No.	Res. Ohms	Your Cost
K5113	0.1		K5132	12500	84c
K5114	0.5		K5133	15000	
K5137	1		K5134	20000	
K5163	10		K5195	22500	
K5170	25		K5135	25000	\$1.04
K5174	50		K5136	30000	
K5175	100		K5138	40000	
K5125	200		K5139	50000	
K5180	250		K5140	60000	\$1.22
K5126	300		K5141	75000	
K5124	500		K5142	100000	..... \$1.42
K5127	1000		K5201	125000	..... 1.61
K5189	1500		K5099	150000	
K5191	2000		K5203	175000	\$1.80
K5128	2500		K5100	200000	
K5192	4000		K5205	225000	\$1.99
K5129	5000		K5101	250000	
K5130	7500		K5102	300000	..... 2.19
K5131	10000		K5122	400000	..... 2.29
			K5103	500000	..... 2.60

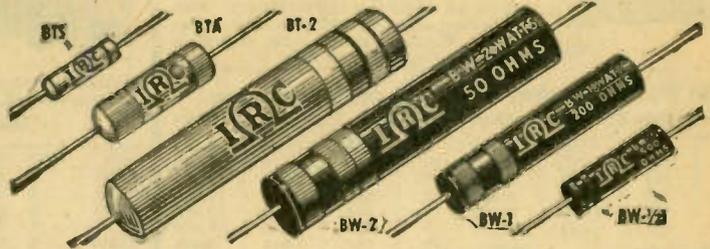
Type WW-2

Megs.	Res.	Your Cost	Megs.	Res.	Your Cost
K5220	0.6	\$3.25	K5202	1.5	\$5.73
K5193	0.75	3.44	K5115	2.0	7.64
K5221	0.9	3.64	K5208	2.5	9.55
K5194	1.0	4.02			

Type WW-5

Megs.	Res.	Your Cost	Megs.	Res.	Your Cost
K5109	0.6	\$3.25	K5111	0.9	\$3.64
K5110	0.75	3.44	K5112	1.0	4.02

INSULATED RESISTORS



TYPE BT METALLIZED

Newly-designed, compact size, general purpose resistors with metallized element completely insulated with Bakelite. Non-inductive. Have pigtail leads. Standard tolerance $\pm 10\%$. Specify resistance when ordering.

Resistor Type	Resistance	Price
BTS— $\frac{1}{2}$ Watt	$1\frac{1}{2}$ " x $\frac{1}{8}$ ". 470 Ohms to 22 Megs.	8c
BTA—1 Watt	$1\frac{1}{2}$ " x $\frac{1}{4}$ ". 330 Ohms to 22 Megs.	10c
BT-2—2 Watt	$1\frac{3}{4}$ " x $\frac{1}{4}$ ". 470 Ohms to 22 Megs.	15c

TYPE BW WIRE WOUND

Similar to BT units but contain a wire wound element. Completely insulated with Bakelite. Unexcelled for meter shunts and multipliers, cathode biasing and air cell batteries. Standard tolerance $\pm 10\%$. Specify resistance when ordering.

Resistor Type	Resistance	Price
BW $\frac{1}{2}$ — $\frac{1}{2}$ Watt	$\frac{1}{2}$ " x $\frac{1}{8}$ ". 0.47 to 820 Ohms.	9c
BW-1—1 Watt	$1\frac{1}{4}$ " x $\frac{1}{4}$ ". 0.47 to 4700 Ohms.	10c
BW-2—2 Watt	$1\frac{3}{4}$ " x $\frac{1}{4}$ ". 1.0 to 6800 Ohms.	15c

STANDARD RMA RANGES—SPECIFY RESISTANCE

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Meg.	Meg.	Meg.
0.47	2.7	15	82	470	2,700	15,000	82,000	0.47	1.8	6.8
0.51	3.3	18	100	510	3,300	18,000	100,000	0.56	2.2	8.2
0.56	3.9	22	120	560	3,900	22,000	120,000	0.68	2.7	10
0.68	4.7	27	150	680	4,700	27,000	150,000	0.82	3.3	12
0.82	5.1	33	180	820	5,100	33,000	180,000	1.0	3.9	15
1.0	5.6	39	220	1,000	5,600	39,000	220,000	1.2	4.7	18
1.2	6.8	47	270	1,200	6,800	47,000	270,000	1.5	5.1	22
1.5	8.2	51	270	1,500	8,200	51,000	330,000	.....	5.6	.....
1.8	10	56	330	1,800	10,000	56,000	390,000	.....	.....	.....
2.2	12	68	390	2,200	12,000	68,000	510,000	.....	.....	.....

RESIST-O-CABINET

Sturdy cabinet, designed to hold resistors systematically and safely, without bending of leads. Each drawer has seven ample-sized compartments which readily accommodate resistor sizes from $\frac{1}{2}$ to 10 watts. Attractively finished in blue, yellow and silver. Ohm's law formulas lithographed on top of cabinet for handy reference. Cabinet measures $11\frac{1}{2}$ " x $5\frac{1}{2}$ " x $5\frac{1}{2}$ ". Arranged for stacking so that several cabinets may be used. FREE with the purchase of any of the well-balanced IRC resistor assortments listed.



ASSORTMENT NO. 1—54 RESISTORS

Type BTS—One each 1,000, 4,700, 10,000, 27,000, 47,000 ohms; 0.1, 0.27, 0.47 megs.
 Type BTA—One each 39,000, 68,000 ohms; 0.15, 0.22 megs. Two each 1,000, 1,500, 2,200, 2,700, 4,700, 15,000, 27,000 ohms; 1.0, 2.2 megs. Three each 10,000, 47,000 ohms; 0.1, 0.27, 0.47 megs.
 Type AB, 10 Watt—One each 1,000, 1,500, 2,500, 5,000 ohms. Two each 10,000, 15,000, 25,000 ohms.
 Type ABA, 10 Watt Adjustable—One each 1,000, 2,500, 5,000, 10,000 ohms. List price of resistors, \$15.03. (Cabinet Free.)
K5281—Wt. 7 lbs. Your Cost Complete..... \$8.84

ASSORTMENT NO. 2—100 RESISTORS

Type BW- $\frac{1}{2}$ —Two each 47, 100, 270 ohms.
 Type BTS—Two each 3,300, 6,800, 33,000, 68,000, 82,000 ohms; 0.22, 0.33 megs. Three each 470, 1,500, 15,000, 22,000, 39,000 ohms; 0.15, 1.0, 2.2 megs. Five each 2,200, 2,700, 27,000 ohms; 0.27 megs. Six each 1,000, 4,700, 10,000, 47,000 ohms; 0.1, 0.47 megs.
 List price of resistors, \$13.12. (Cabinet Free.)
K5280—Wt. 7 lbs. Your Cost Complete..... \$7.71

ASSORTMENT NO. 3—83 RESISTORS

An excellent assortment of eighty-three resistors ranging in value from 47 ohms to .47 megs. An unusually wide range of values to cover all resistor requirements. The popular IRC resistor cabinet included absolutely FREE. These resistors are in the two types that have proven most popular with radio servicers, the BW type and the BTA type (carbon and wirewound resistors).
 Type BW-1 (wirewound)—Two each, 47, 100, 270 ohms.
 Type BTA (Carbon)—Two each 470, 1,500, 2,700, 3,300, 6,800, 8,200, 33,000, 39,000, 68,000, 82,000 ohms. 0.15, .22, .33, 1.0, 2.2 megs. Three each 1,000, 2,200, 4,700, 10,000, 47,000 ohms; 0.1, 0.27, 0.47 megs.
 List price of the Resistors, \$14.11 (Cabinet Free)
K5282—Wt. 7 lbs. Your Cost Complete..... \$8.30

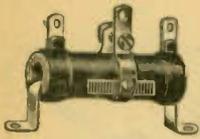


Color Code Card

A handy resistor color code chart that measures 3 x 5 inches. It includes both the old and the new style codes, together with tolerance designations. Ohm's Law formulas, and a ruler. Printed on a Pyrolin card. Free with purchase of 5 IRC resistors.

K5209—Your Cost..... 10c

OHMITE resistors



"DIVIDOHM" Adjustable Resistors

Vitreous enameled wire wound adjustable resistors with screwdriver type adjustable lug for all radio and electronic uses. Porcelain core; every turn securely held against shifting. Wattage rating applies only when entire resistance is in circuit.

10 Watt Dividohm

1 1/4" x 5/16" Core, 2 1/4" Mtg. Centers

5	100	500	2,500
10	150	750	3,000
15	200	1,000	4,000
25	250	1,250	5,000
50	300	1,500	7,500
75	400	2,000	10,000

K4955—Any above
Your Cost Each **58c**
1/4" Adjustable Slider for above
K4956—Each **8c**

50 Watt Dividohm

4 x 1/4" Core, Mtg. Centers 4 3/4"

5	200	1,500	10,000
10	250	2,000	15,000
25	300	2,500	20,000
50	400	3,000	25,000
75	500	4,000	30,000
100	750	5,000	40,000
150	1,000	7,500	50,000

Each
K4948—5 ohms to 5M **\$1.15**
K4951—7,500 to 25M **1.26**
K4953—30M to 50M **1.45**
K4954—100M **1.69**
1/4" Adjustable Slider for above
K4945—Each **\$0.06**

100 Watt Dividohm

6 1/2 x 1/4" Core, Mtg. Centers 7 1/4"

5	100	2,500	25,000
10	250	5,000	50,000
25	500	10,000	75,000
50	1,000	15,000	100,000

Each
K4925—5 ohms to 5M **\$1.69**
K4927—10M to 25M **1.91**
K4928—50M **2.11**
K4929—75M to 100M **2.29**
1/4" Adjustable Slider for above
K4931—Each **\$0.12**

25 Watt Dividohm

2 x 1/16" Core, 2 3/4" Mtg. Centers

5	150	1,000	5,000
10	200	1,250	7,500
15	250	1,500	10,000
25	300	2,000	15,000
50	400	2,500	20,000
75	500	3,000	25,000
100	750	4,000	Each

K4957—5 ohms to 5M **.73c**
K4961—7,500 to 15,000 **.84c**
K4962—20M to 25M **.92c**
1/4" Adjustable Slider for above
K4945—Each **.8c**

75 Watt Dividohm

6 x 1/16" Core, Mtg. Centers 6 3/4"

5	250	2,500	25,000
10	500	3,000	50,000
25	1,000	5,000	100,000
50	1,500	10,000	Each
100	2,000	15,000	Each

K4932—5 ohms to 5M **\$1.49**
K4935—10M to 25M **1.69**
K4941—50M **1.91**
K4944—100M **2.11**
1/4" Adjustable Slider for above
K4945—Each **\$0.08**

200 Watt Dividohm

10 1/2 x 1 1/4" Core
Mtg. Centers 11 3/4"

5	100	1,500	15,000
10	250	2,500	25,000
25	500	5,000	50,000
50	1,000	10,000	75,000
100	1,000	10,000	100,000

Each
K4921—5 ohms to 10M **\$2.52**
K4922—15M to 100M **2.94**
1 1/4" Adjustable Slider for above
K4924—Each **\$0.12**

OHMITE Power Rheostats



Ohmite rheostats are designed to produce permanently smooth, close control. The construction is all ceramic and metal; there is nothing to smoke, char, shrink, or shift. All models have insulated shafts with provision to keep the rheostat from turning on the panel. The resistance wire is wound over a solid porcelain core. Each turn is a separate resistance step and is locked against shifting by vitreous enamel. The core and base are also bonded by vitreous enamel. Supplied with knob.

Model H-25 Watts (1 9/16" diam.)

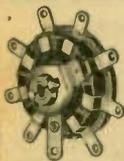
No.	Ohms	Amps.	Steps	Each	No.	Ohms	Amps.	Steps	Each
K8324	1	5.000	27	\$3.44	K8369	125	.445	135	
K8362	2	3.540	24		K8370	175	.375	157	
K8325	3	2.880	48		K8371	250	.316	173	\$3.06
K8363	6	2.040	50		K8333	350	.267	180	
K8326	8	1.770	48		K8372	500	.222	216	
K8364	10	1.580	48	\$3.06	K8334	750	.152	233	
K8365	15	1.290	81		K8373	1000	.155	275	
K8366	25	1.000	83		K8374	1500	.129	327	\$3.44
K8327	35	.845	104		K8375	2500	.100	400	
K8367	50	.707	104		K8376	3500	.084	432	\$3.64
K8328	75	.575	122		K8377	5000	.070	471	
K8368	100	.500	138						

Model J-50 Watts (2 5/16" diam.)

No.	Ohms	Amps.	Steps	Each	No.	Ohms	Amps.	Steps	Each
K8335	0.5	10.000	22	\$3.82	K8350	150	.575	164	
K8336	1	7.070	36		K8351	225	.470	203	\$3.44
K8337	2	5.000	38		K8352	300	.408	219	
K8338	4	3.530	38		K8353	500	.316	260	
K8339	6	2.880	76		K8354	800	.250	261	
K8340	8	2.500	67		K8355	1000	.224	350	\$3.64
K8341	12	2.040	82		K8356	1600	.176	456	
K8343	16	1.760	81	\$3.44	K8357	2500	.141	538	
K8344	22	1.500	98		K8361	3300	.119	667	
K8345	35	1.190	123		K8393	5000	.100	730	\$3.82
K8346	50	1.000	146		K8394	8000	.079	720	
K8347	80	.780	135		K8395	10000	.070	656	
K8348	125	.630	175						

Model K-100 Watts (3 1/8" diam.)

No.	Ohms	Amps.	Steps	Each	No.	Ohms	Amps.	Steps	Each
K8396	0.5	14.100	30	\$5.73	K3443	200	.707	200	
K8397	1	10.000	20		K8382	300	.575	258	\$5.35
K8398	2	7.070	32		K8444	400	.500	258	
K8399	3	5.750	32		K8383	500	.447	270	
K3412	5	4.470	50		K8445	750	.365	260	
K8413	7.5	3.650	50		K8384	1000	.316	320	
K8378	10	3.160	56		K8446	1500	.258	380	\$5.73
K8432	16	2.500	95	\$5.35	K8447	2000	.224	415	
K8379	25	2.000	102		K8385	2500	.200	450	
K8380	50	1.410	130		K8386	5000	.141	670	\$6.12
K8436	75	1.150	160		K8448	7500	.115	735	6.50
K8381	100	1.000	165		K8387	10000	.100	855	6.88



OHMITE Non-Shorting Switches

All ceramic open-type tap switches. Transfers currents of several amps. in circuits requiring high voltage insulation. Switches up to 8 contacts are approximately 3 3/4" diameter, including the lugs; 10 and 12 contact switches are approximately 4 1/4" diameter. Max. current carried is 7 amperes. Maximum current which should be interrupted is 3 amperes at 120 V. AC. Insulated bushing and shaft will withstand 3000 V. AC test voltage. Silver-graphite contact brush. Supplied with 3/8" hex nut for single hole mounting.

No.	No. of Contacts	Each
K6304	4	\$4.02
K6305	6	4.40
K6306	8	4.78
K6307	10	6.88
K6308	12	7.26

OHMITE Ohm's Law Calculator



Solves any Ohm's law problem. Resistance range 0 to 10 meg-ohms; finds volts, amperes, watts; multiplies, divides, finds squares and square roots. Scales on both sides. 4 1/2 x 9".
K19711—Your Cost Ea. **10c**

OHMITE "Brown Devil" Fixed Resistors



Wire-wound vitreous enameled units. Small size, 1 1/2" long tinned copper wire terminals. Widely used in electronic and industrial equipment. Generated heat rapidly conducted to surface through vitreous-enamel covering—the best conductor of heat. Tolerance ±10%.

10 Watt 1 1/4" x 5/16" Core

Resistances in ohms	1	25	200	1000	3000
1	25	200	1000	3000	
2	50	250	1250	4000	
5	75	300	1500	5000	
10	100	400	1750	7500	
15	125	450	2000	10000	
20	150	750	2500		

K4912—Any of above
Your Cost Each **34c**
12,500 17,500 25,000 *40,000
15,000 20,000 *30,000 *50,000
K4914—Any of above
Your Cost Each **38c**
* Higher valued resistors with low temp. enamel coating offered as a cost economy.

20 Watt 2" x 7/16" Core

Resistances in ohms	5	150	500	1750	5000
5	150	500	1750	5000	
10	200	750	2000	7500	
25	250	1000	2500	10000	
50	300	1250	3000	12500	
75	400	1500	4000	15000	
100					

K4916—Any of above
Your Cost Each **54c**
20,000 30,000 50,000
K4917—Any of above
Your Cost Each **66c**
*60,000 *75,000 *100,000
K4918—Any of above
Your Cost Each **84c**

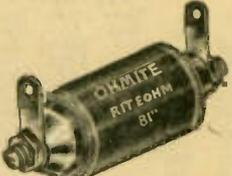
Glass Sealed Non-Inductive Dummy Antenna Resistors



Popular dummy ant. resistors—toler. ±5%. Dimen: D-100 models 3 1/2" bulb diam. x 4 1/4" overall; D-250 models 2 1/2" bulb x 9 1/4" overall.

Stock No.	Ohmite No.	Watts	Ohms	Induc. Mh ±10%	Distrib. Cap. mmf.	Your Cost
K21920	D-100-73		73	0.33		
K21921	D-100-600	100	600	1.0	5	\$4.97
K21918	D-250-73		73	0.33		
K21919	D-250-600	250	600	1.1	13	\$9.94

"Riteohm" 1 Watt Resistors



Highest quality enameled wire. These non-inductive, pie-wound, precision resistors have a negligible tolerance of ±1%. Vacuum impregnation adds to the high dielectric strength and seals the winding against moisture. 1/4" x 1 1/4" long.

Ohms	Ohms	Ohms	Ohms
1	1,000	12,500	200,000
10	1,250	15,000	250,000
25	1,500	17,500	300,000
50	2,000	20,000	400,000
100	2,500	25,000	500,000*
200	4,000	50,000	750,000*
250	5,000	75,000	1 Meg.*
300	7,500	100,000	1.5 Meg.*
500	10,000	150,000	2 Meg.*
* These units 7/8 x 2 1/2" long.			
No.	Ohms	Each	
K4896	1 to 2,000	\$0.88	
K4897	2,500 to 10,000	.96	
K4898	12,500 to 15,000	1.03	
K4899	17,500 to 50,000	1.22	
K4900	75,000	1.45	
K4901	100,000	1.83	
K4902	150,000 to 200,000	2.03	
K4903	250,000	2.21	
K4904	300,000 to 400,000	2.49	
K4905	500,000	2.79	
K4906	750,000	3.44	
K4907	1 Meg.	3.82	
K4908	1.5 Meg.	5.73	
K4909	2 Meg.	7.64	

THE "CENTURY" LINE—100 ALL PURPOSE VOLUME CONTROLS

8 Clutch Type "DC" Controls

For auto radio use and other applications. Friction clutch drive-arm. Special fixed shaft for use with either slotted or tongued type shaft is required. Instructions for cutting shaft for either application. Switches cannot be used with these controls. Dimensions: 1 1/4" diameter x 1 1/4".

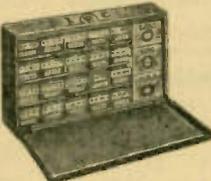


Stock No.	IRC No.	Ohms	Tapped at
K7757	DC13-130	250000	None
K7758	DC18-130X	250000	60000
K7759	DC13-133	500000	None
K7760	DC13-133X	500000	125000
K7761	DC13-137	1 Meg.	None
K7762	DC13-137X	1 Meg.	250000
K7763	DC13-139	2 Meg.	None
K7764	DC13-139X	2 Meg.	500000

Your Cost Each, Any Above Type..... **\$1.09**

Handy Volume Control Cabinet

All-metal cabinet, 14 1/2 x 7 x 4 1/2", finished in silver, blue, and yellow, containing 18 universal controls, 6 switches, 5 special shafts. Types included are recommended for replacement in over 10,850 models in the IRC Manual.

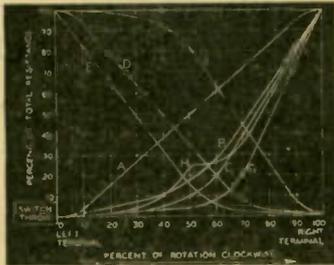


Compartments for 20 controls. 3 drawers for switches, shafts, and hardware. Contains two D13-133; one each D11-116, D11-123, D11-128, D11-133, D13-123, D13-128, D13-130, D13-130X, D13-133X, D13-137, D13-137X, D13-139, D13-139X, D14-116, D16-119, and D13-133X; 5 No. 41 and No. 42 switches; one "B" shaft and two each "C" and "D" shafts. Cabinet included FREE! Wt. 7 lbs. **K7739—Your Cost, \$18.17 Complete.**

IRC Guide

New IRC Volume Control Replacement Manual, 8 1/2 x 11", 136 pages. Listing manufacturers' part numbers, Rider's schematic reference and special shaft data. Models and chassis cross-indexed. FREE with purchase of 3 or more IRC volume controls. **K19792—Each, if ordered separately 10¢**

IRC Taper Types



- A**—Used as potentiometer or rheostat in any circuit where uniform resistance change is required.
- C**—Logarithmic curve. Used as audio circuit control or antenna shunt control.
- D**—End tapers to provide control of grid bias and antenna circuit. Used where grid bias is most important for volume control.
- F**—Tapered at both ends to provide control of grid bias and antenna circuit. Used where control of grid bias is essential in controlling volume. Generally used where the control varies grid bias of 1 to 2 tubes. Not for use with heavy currents.
- H**—Tapped logarithmic curve for audio level control for automatic bias compensation.

In addition to the items listed on these pages, we carry a complete line of all IRC volume controls, resistors, parasitic suppressors, chokes, switches, shafts, etc. If there are any items not listed on these pages, desired by you, write to us stating your requirements and listing the manufacturer's part number where known, manufacturers list price where known, and a brief description of the part desired.

16 Popular "DS" Types

Same as "D" but double flatted shafts. For 1/4" and 1/2" push-on and set screw knobs. Dia. 1 1/4"; 1/4" deep, for switches, see listing, this page.



Stock No.	IRC No.	Ohms	Taper
K9108	DS11-116	10000	A
K9109	DS14-116*	10000	D
K9114	DS14-120*	25000	D
K9117	DS11-123	50000	A
K9121	DS11-128	100000	A
K9122	DS13-128	100000	C
K9148	DS11-130	250000	A
K9125	DS13-130	250000	C
K9127	DS13-133	500000	C
K9129	DS13-137	1 Meg.	C
K9131	DS13-139	2 Meg.	C

* Units include 270 ohm bias resistor. Any Above Type, Your Cost Each..... **73¢**

Tapped "DS" Units

Stock No.	IRC No.	Ohms	Tapped Taper
K9145	DS13-130X	250000	125000 C
K7809	DS18-130X	250000	60000 H
K9128	DS13-133X	500000	125000 H
K9130	DS13-137X	1 Meg.	250000 H
K9147	DS13-139X	2 Meg.	500000 H

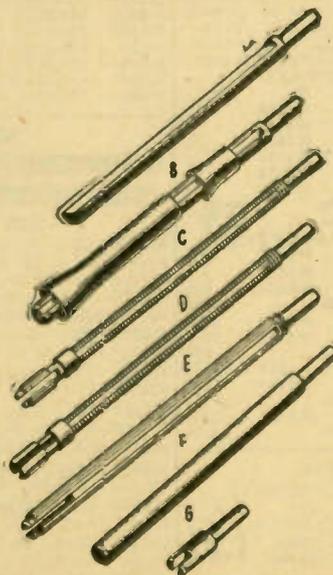
Any Above Type, Your Cost Each..... **\$1.09**

11 Type "J" Special Controls

For sets with specific requirements. **K9170—DJ-4—2 Meg. (tap at 500000 ohms)/\$2.20**
1 Meg. dual. For RCA RC-352 etc. Each.
K9165—DJ-5—2 Meg./1 Meg. dual. For \$2.20
Zenith 5637, 5803 chassis. Each.

K9169—1-15—32000 ohms. For Stewart-Warner R-100A etc. Each..... \$1.09
K9190—J-107—10,000/50,000 ohm dual. For GE T-41, RCA R-14 etc. Each..... \$1.82
K9195—J-127—35000/3800 ohm dual. For RCA R-32, RE-45 etc. Each..... \$1.82
K9216—J-210—13000 ohms (tap at 3000 ohms). For GE J-80, RCA R-8 etc. Each..... \$1.09
K9217—J-296—225000/5000 ohm dual. For Philco 70, 70A etc. Each..... \$1.82
K9460—J-777—350000 ohms. For a variety of auto radios. Each..... \$1.09
K9149—J-823—150000/250000 ohms (tapped at 125000). GE A-82, A-86, A-87. Each..... \$1.82
K8962—J-843—350000 ohms (tapped at 75000). For a variety of auto radios. Each..... \$1.09
K7699—J-1002—2 Meg. (tap at 5000 ohms). For GE F-70, F-75, F-80 etc. Each..... \$1.09

Tap-In Shafts



K7799—Type B. Auto radios..... 26c
K7737—Type C. Push-on, knurled..... 18c
K7738—Type D. Push-on, plain..... 18c
K7771—Type E. Push-on, split-knurled..... 18c
K7772—Type F. Plain round..... 18c
K7773—Type G. Special split, Philco..... 18c

56 Type "D" Controls

For miscellaneous service needs. Each "D" control accommodates any of the seven Tap-in shafts shown in column 2, which increases the utility of these controls. Shaft flats may be located in any position. Double flatted "A" shafts included with each control take push-on knobs. Dia. 1 1/4 x 1/4".



No.	Type	Ohms	No.	Type	Ohms
K7706	D11-103	500A	K7728	D14-123	50000D
K7707	D11-108	1000A	K7729	D13-125	75000C
K7708	D11-110	2000A	K7730	D14-125	75000D
K7724	D11-112	3000A	K7716	D11-128	100000A
K7709	D11-113	4000A	K7785	D13-128	100000C
K7779	D11-114	5000A	K7717	D11-129	200000A
K7710	D13-114	5000C	K7718	D14-129*	200000D
K7765	D14-114*	5000D	K7731	D11-130	250000A
K7725	D11-115	7500A	K7786	D13-130	250000C
K7780	D11-116*	10000A	K7719	D14-130	250000D
K7711	D13-116	10000C	K7787	D13-132	350000C
K7781	D14-116*	10000D	K7732	D11-133	500000A
K7782	D16-116*	10000F	K7788	D13-133	500000C
K7726	D14-118*	15000D	K7720	D14-133	500000D
K7783	D16-118	15000F	K7774	D11-137	1.0 Meg.A
K7712	D16-119*	20000F	K7789	D13-137	1.0 Meg.C
K7713	D11-120	25000A	K7790	D13-139	2.0 Meg.C
K7727	D14-120*	25000D	K7733	D13-140	3.0 Meg.C
K7714	D16-120	25000F	K7721	D11-141	5.0 Meg.A
K7715	D11-123	50000A	K7723	D11-143	10 Meg.A
K7784	D13-123	50000C			

* Units include 270 ohm bias resistor. Your Cost Each, Any Above Type..... **73¢**

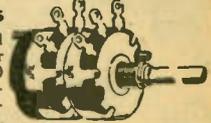
Tapped "D" Controls

Stock No.	IRC No.	Ohms	Tapped at	Taper
K7736	D13-130X	250000	125000	Spec.
K7791	D18-130X	250000	60000	H
K7792	D18-132X	350000	75000	H
K7793	D13-133X	500000	125000	H
K7843	D18-133X	500000	50000	Spec.
K7794	D13-137X	1.0 Meg.	250000	H
K7769	D17-137X	1.0 Meg.	35000	Spec.
K7735	D18-137X	1.0 Meg.	100000	Spec.
K7844	D19-137X	1.0 Meg.	500000	Spec.
K9136	DVC-538X	1.0 Meg.	500000	Spec.
K7795	D13-139X	2.0 Meg.	500000	H
K7770	D17-139X	2.0 Meg.	150000	Spec.
K7734	D18-139X	2.0 Meg.	1.0 Meg.	Spec.
K9495	D18-139XX	2.0 Meg.	250-500M	Spec.
K7768	D19-139X	2.0 Meg.	50000	Spec.

"Spec." indicates audio control with tone tap. "Spec." indicates fader control. Any Type Above, Your Cost Each..... **\$1.09**

7 Dual Controls

Carefully selected "duals" to speed your repair jobs. No. 20 series switches (Column 2) can be attached. 1 1/4 x 1 1/4".



Stock No.	IRC No.	Unit	Ohms	Taper
K9138	35-1620	Panel	10000	C
		Rear	25000	E
K9139	61-1623	Panel	10000	F
		Rear	50000	A
K9140	33-2828	Panel	100000	C
		Rear	100000	C
K9141	33-3030	Panel	250000	C
		Rear	250000	C
K9142	33-3333	Panel	500000	C
		Rear	500000	C
K7851	33-3737	Panel	1 Meg.	C
		Rear	1 Meg.	C
K9143	33-3939	Panel	2 Meg.	C
		Rear	2 Meg.	C

Your Cost Each, Any Above Type..... **\$1.82**

Switches for IRC Controls

Standard SPST, SPDT, and DPST switches for use with the IRC "Century Line" Volume Controls. Easily and quickly installed. Merely remove control cover, slide switch into position, and bend tabs.

For Use With "D" and "DS" Controls	Stock No.	Type	IRC No.	Each
	K7796	SPST	41	35c
	K7797	DPST	42	44c
	K7798	SPDT	43	44c
For Use With "S" and Dual Controls				
	K9133	SPST	21	35c
	K9135	DPST	22	44c
	K9134	SPDT	23	44c

MALLORY volume controls



"UM" & "TM" Junior Controls

Ultra-compact controls featuring noiseless composition elements; attachable switches; plug-in type shafts. UM and TM types have slotted shafts to take any one of the 28 different types of special shafts listed below. (One SS-1 shaft packed with each control.) The TM types are similar to the UM but are provided with a tap as shown. TM type designed for use in tone compensating circuits. All are 1/2" thick, 1 1/4" diam.

"UM" TYPE JUNIOR CONTROLS

Stock No.	Type	Ohms & Taper	Stock No.	Type	Ohms & Taper	Stock No.	Type	Ohms & Taper
K6926	UM114	5M(4A)	K6935	UM133	50M(1)	K6944	UM147	250M(1)
K6927	UM118	10M(1)	K6936	UM134	50M(2)	K6945	UM149	250M(4)
K6928	UM119	10M(2)	K6937	UM136	50M(4)	K6946	UM151	350M(1)
K6929	UM120	10M(4)	K6938	UM137	75M(1)	K6947	UM154	500M(1)
K6930	UM121	15M(1)	K6939	UM138	75M(2)	K6948	UM156	500M(4)
K6931	UM122	15M(2)	K6940	UM140	100M(1)	K6949	UM158	750M(1)
K6932	UM124	20M(1)	K6941	UM141	100M(2)	K6950	UM161	1Meg(1)
K6933	UM128	25M(2)	K6942	UM142	100M(4)	K6951	UM163	2Meg(1)
K6934	UM129	25M(4)	K6943	UM144	150M(1)	K6952	UM165	3Meg(1)

Type UM Controls (with SS-1 plug-in shaft)

Your Cost, Any Size.....

73¢

"TM" Type Tapped Controls

No.	Type	Ohms	Tapped	No.	Type	Ohms	Tapped
K6953	TM220	250M		K6959	TM240	1 Meg.	200M
K6954	TM221	250M	110M	K7006*	TM241	1 Meg.	200M
K7013*	TM222	250M	110M	K7007*	TM242	1 Meg.	450M
K7014*	TM223	350M	70M	K6960	TM243	1 Meg.	450M
K7015*	TM224	500M	100M	K7008	TM244	1 1/2 Meg.	200M
K6955	TM225	350M	70M	K6961	TM245	2 Meg.	5M
K7016	TM226	500M	15M	K6962	TM246	2 Meg.	15M
K7017	TM227	500M	100M	K6963	TM247	2 Meg.	60M
K6956	TM228	500M	5M	K6964	TM248	2 Meg.	250M
K6957	TM230	500M	150M	K6965	TM249	2 Meg.	600M
K6958	TM231	500M	225M	K7009	TM250	2 Meg.	125M
K7018*	TM232	500M	225M	K6966	TM251	2 Meg.	900M
K7019	TM233	500M	60M	K7010*	TM252	2 Meg.	900M
K7020	TM234	1 Meg.	65M	K7011	TM254	2 Meg.	400M
K7021	TM236	1 Meg.	125M	K6967	TM257	3 Meg.	900M
K7022	TM238	1 Meg.	300M	K7012	TM259	2 Meg.	900M
K6864*	TM239	1 Meg.	300M	*—Clutch Type Controls.			

Type TM Controls (with SS-1 plug-in shaft)

Any Type Above, Your Cost Each.....

\$1.09

MALLORY Attachable Switches

Fit all Junior controls listed above.
 K6968—Single Pole, Single Throw.
 K6969—Double Pole, Single Throw
 K6970—Single Pole, Double Throw
 K6972—Four Pole, Single Throw (Shorting Type)

Each..... **35¢**

Each..... **44¢**

COMPACT RHEOSTATS AND POTENTIOMETERS

TYPE C—2 WATTS
 Wire Wound. Ideal for use where space is limited. Contact arm grounded to shaft. Diam. 1 1/4", 1/2" shaft, is 1 1/4" long and slotted.

TYPE M—4 WATTS
 Wire Wound. Conservatively rated at 4 watts. Fully enclosed. 1 1/2" diam., mount in 1/2" hole. Shaft 1/2" diam., 1 1/4" long and slotted. With dust cover.

No.	Ohms	No.	Ohms
K6197	6	K6201	30
K6198	10	K6202	40
K6199	15	K6203	50
K6200	20	K6204	100

No.	Ohms	No.	Ohms
K6480	1	K6486	20
K6481	2	K6487	25
K6482	3	K6173	40
K6483	6	K6174	50
K6484	10	K6175	60
K6485	15	K6176	75

No.	Ohms	No.	Ohms
K6205	6	K6210	40
K6206	10	K6211	50
K6207	15	K6212	100
K6208	20	K6213	200
K6209	30	K6214	400

No.	Ohms	No.	Ohms
K6503	20	K6496	200
K6492	50	K6497	400
K6495	100	K6477	500

No.	Ohms	No.	Ohms
K6215	1000 ohms		
K6216	3000 ohms	Ea.	82¢
K6217	5000 ohms		
K6218	6000 ohms		
K6219	10000 ohms	Ea.	97¢
K6220	15000 ohms		

No.	Ohms	No.	Ohms
K6498	1000	K6499	2000
K6500	3000	K6501	5000
K6502	10000	K6177	15000
K6178	20000	K6179	25000
K6180	50000	K6181	70000

Type E—9-Watt Potentiometers

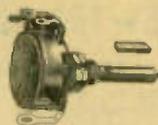
Similar to Type M, but larger. 2 1/4" diameter. Arm grounded.

No.	Ohms	Each	No.	Ohms	Each	No.	Ohms	Each
K6188	5000	\$1.76	K6191	25000	\$1.91	K6194	100000	\$1.91
K6189	10000		K6192	50000		K6195	125000	
K6190	20000		K6193	75000		K6196	150000	

MALLORY Radio Service Encyclopedia—5th Edition

Newest, biggest, most valuable issue. Contains data on over 27,000 sets. Over 450 pages. Further data on this valuable book will be found on page 52. Shpg. wt. 3 lbs.

K19786—Your Cost..... **\$1.25**



Type "MR" Junior Controls

Ultra-compact controls are similar to the types UM and TM junior controls listed at left except that they feature standard shafts, 3" long, milled the entire length and furnished with knob adapters (for spring type knobs). All are rated conservatively at 1/2 watt.

No.	Type	Ohms	No.	Type	Ohms	No.	Type	Ohms
K6900	MR14	5M(4A)	K6909	MR33	50M(1)	K6918	MR44	250M(1)
K6901	MR18	10M(1)	K6910	MR34	50M(2)	K6919	MR45	250M(2)
K6902	MR19	10M(2)	K6911	MR35	50M(4)	K6920	MR48	500M(1)
K6903	MR20	10M(4)	K6912	MR36	75M(1)	K6921	MR50	500M(4)
K6904	MR21	15M(1)	K6913	MR37	75M(2)	K6922	MR51	750M(1)
K6905	MR22	15M(2)	K6914	MR39	100M(1)	K6923	MR53	1 Meg(1)
K6906	MR24	20M(1)	K6915	MR40	100M(2)	K6924	MR55	2 Meg(1)
K6907	MR28	25M(2)	K6916	MR41	100M(4)	K6925	MR57	3 Meg(1)
K6908	MR29	25M(4)	K6917	MR42	150M(1)			

Type MR Controls, Any Size, Each.....

73¢

"MK" Junior Controls With Fixed Knurled Shafts

Similar to type "MR" controls above, but have 3" universal knurled shaft for replacing original units of this type.

Stock No.	Type	Ohms & Taper	Stock No.	Type	Ohms & Taper
K6637	MK400	250M(1)	K6639	MK402	1 Meg.(1)
K6638	MK401	500M(1)	K6640	MK403	2 Meg.(1)

Type MK Controls, Your Cost Each, Any Type.....

73¢

Special Junior Controls "SM"

These are special Junior replacement units. Check your Mallory Encyclopedia for your requirements, then order from this listing.

No.	Type	Res. Ohms	Tapped At	Each
K6775	SM300*	350,000	75,000	\$1.47
K6776	SM301*	2 Meg.	500,000	1.47
K6777	SM302*	500,000	None	1.47
K6778	SM303	6 Meg.	None	1.09
K6784	SM304*	1 Meg.	200,000	1.47
K6785	SM305*	1 Meg.	875,000	1.47
K6787	SM307	2 Meg.	250,000	1.09
K6565	SM309	2 Meg.	600,000	1.47
K6566	SM310	2 Meg.	125,000	1.09
K6828	SM311	1 Meg.	300,000	1.47
K6829	SM312	250,000	No Tap	1.47
K6830	SM316	350,000	35,000	1.09
K6861	SM317	2.25 Meg.	500,000 1 Meg.	1.47

*—Has S.P.S.T. Switch attached to control.

Special Junior Dual Controls

Have fixed concentric shaft and switch.

No.	Type	Res. Front	Res. Rear	Tap At	Each
K6779	SMD500	2 Meg.	2 Meg.	None	
K6780	SMD501	2 Meg.	1 Meg.	Front 500M	
K6781	SMD502	250M	1 Meg.	Rear 250M	
K6782	SMD503	2 Meg.	1 Meg.	Front 500M	
K6783	SMD504	250M	500M	Front 50M	
K6800	SMD505	250M	1 Meg.	Rear 300M	\$2.20
K6801	SMD506	500M	1 Meg.	Rear 200M	
K6802	SMD507	500M	350M	Rear 70M	
K6803	SMD508	30M	1 Meg.	Rear 450M	
K6804	SMD509	2 Meg.	500M	Front 900M	
K6807	SMD510	1 Meg.	500M	Front 300M	
K6863	SMD511	1 Meg.	350M	Rear 70M	

MALLORY Plug-In Shafts

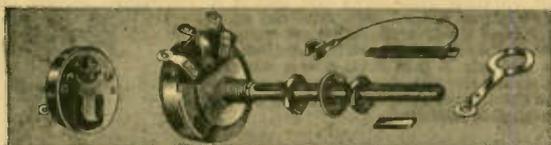


28 Types fit all UM and TM Junior controls. Adapt controls for use with almost all auto and home radio receivers.

K6973—SS1. Replaces any 1/2" round shaft or 1/2" or 3/4" flattened shaft up to 4" long. Each.....	18¢	K6989—SS17. Replaces any slotted "Inacup" shaft to 6" long. 38¢	
K6974—SS2. For RCA, UMS and any 1/2" shaft up to 4". Each.....	18¢	K6992—SS18. For Belmont, Stewart Warner, etc. Each.....	18¢
K6975—SS3. Replaces any 3/4" slotted shaft up to 2" long.....	26¢	K6993—SS19. All 1937 and 1938 Motorola sets. Each.....	38¢
K6976—SS4. RCA (part Nos. 12240, 12365, etc.) Each.....	18¢	K6994—SS20. Motorola model 16C. Each.....	38¢
K6977—SS5. Philco '36, '37, '38 Household sets. Each.....	18¢	K6995—SS21. Motorola model 17D. Each.....	26¢
K6978—SS6. RCA, Hudson H6. 18¢		K6996—SS22. For Motorola and many others. Each.....	18¢
K6982—SS10. Motorola 60, 80, '36 Golden Voice. Each.....	18¢	K6997—SS23. For Bosch 139, 149, 169. Each.....	18¢
K6983—SS11. Replaces any 3/4" slotted shaft 2 to 4" long.....	26¢	K6998—SS24. Chevrolet model 985425. Each.....	18¢
K6984—SS12. Philco, UMS and Arvin sets. Each.....	18¢	K6999—SS25. Replaces standard knurled shafts from 3/4" to 4" long. Each.....	18¢
K6986—SS14. Replaces any 3/4" slotted shaft to 2" long.....	26¢	K6809—SS26. Zenith sets.....	18¢
K6987—SS15. Replaces any 3/4" slotted shaft 4 to 6" long.....	26¢	K6810—SS27. Philco sets.....	18¢
K6988—SS16. Exact for Sentinel. Cut to length for RCA, etc.....	18¢	K6820—SS28. Motorola acts 38¢	
		K6821—SS29. Motorola sets 18¢	
		K6822—SS30. Motorola sets 18¢	
		K6826—SS31. Philco sets.....	18¢
		K6827—SS32. Philco sets.....	18¢

MALLORY volume controls

UNIVERSAL VOLUME CONTROLS



The Mallory Volume Controls listed on these pages can be used to service over 90% of all the radio receivers now in use. With comparatively few units, the serviceman is enabled to meet practically all service requirements. Mallory Controls feature: minimum bias adjustment on all bias controls; 3" shafts that can be shortened by notching and breaking off; complete shielding; all furnished with knob adapter, and mounting hardware. Approved switch (listed below) can be added to any control.

Standard Special Single "SRP" Controls

For receivers using other than universal type controls. Each has special features. Encyclopedia shows control No. required. Shpg. wt. 5 ozs. Switch, accessories not included.

Stock No.	Type	Resis. Ohms	Stock No.	Type	Resis. Ohms	Stock No.	Type	Resis. Ohms
K6621	SRP134	4500	K6701	SRP245	32M	K6552	SRP286	250M
K6627	SRP142	2900	K6798	SRP251	350M	K6632	SRP288	100M
K6635	SRP152	60	K6584	SRP261	100M	K6788	SRP289	50M
K6636	SRP153	13M	K6768	SRP262	1500	K6553	SRP290	1 Meg.
K6699	SRP154	50M	K6585	SRP263	32M	K6651	SRP900	20M
K6641	SRP179	125M	K6797	SRP269	10M	K6652	SRP901	10M
K6693	SRP185	1500	K6789	SRP282	350M	K6653	SRP960	800
K6792	SRP188	32M	K6551	SRP283	2500	K6654	SRP961	10M
K6648	SRP213	250M						

Any above Type, Your Cost Each..... **\$1.09**
 K6656—SRP239 W.W. Vol. Strip 450 ohms | Your Cost **35¢**
 K6657—SRP241 W.W. Vol. Strip 6000 ohms/Each.....

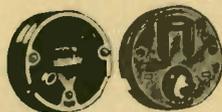
UNIVERSAL REPLACEMENT CONTROLS

All with two mounting nuts, washer, ground terminal and knob adapter. Wire wound units have adjustable bias feature (exclusive Mallory); carbon element units with adjustable bias resistor where required.

No.	Part	Type	Ohms	Taper	No.	Part	Type	Ohms	Taper
K6660	Q	WW	2	4	K6675	H*	WW	18000	2
K6661	R	WW	6	4	K6713	H7*	WW	15000	7
K6662	S	WW	10	4	K6714	H12*	Car.	15000	1
K6663	T	WW	20	4	K6741	A20MP*	WW	20000	4
K6664	U	WW	30	4	K6715	Y*	Car.	20000	1
K6665	V	WW	60	4	K6742	J25MP	Car.	25000	4
K6666	W	WW	100	4	K6676	Y*	Car.	25000	2
K6667	X	WW	200	4	K6743	Y50MP	Car.	50000	4
K6732	A400P	WW	400	4	K6677	K*	Car.	50000	2
K6668	A	WW	500	1	K6716	K12	Car.	50000	1
K6733	A550P	WW	550	4	K6717	Z*	Car.	50000	2
K6734	A1MP	WW	1000	4	K6718	Z12	Car.	75000	1
K6669	B	WW	1000	1	K6744	Y100MP	Car.	100000	4
K6719	UC500	WW	1000	2	K6678	L	Car.	100000	1
K6735	A2MP*	WW	2000	4	K6729	UC510*	Car.	100000	2
K6670	C*	WW	2000	2	K6721	UC502	Car.	150000	1
K6704	C12*	WW	2000	1	K6745	Y200MP	Car.	200000	4
K6736	A3MP*	WW	3000	4	K6746	Y250MP	Car.	250000	4
K6671	D*	WW	3000	2	K6679	M	Car.	250000	1
K6705	D7*	WW	3000	7	K6730	UC511†	Car.	250000	1
K6706	D12*	WW	3000	1	K6728	UC509*	Car.	250000	2
K6737	A5MP*	WW	5000	4	K6747	Y600MP	Car.	500000	4
K6738	Y5MP	Car.	5000	4	K6680	N	Car.	500000	1
K6672	E*	WW	5000	2	K6731	UC512†	Car.	500000	1
K6707	E7*	WW	5000	7	K6793	UC513	Car.	500000	2
K6708	E12*	Car.	5000	1	K6722	UC503	Car.	750000	1
K6673	F*	WW	7500	2	K6748	Y1000MP	Car.	1 Meg.	4
K6709	F7*	WW	7500	7	K6681	O	Car.	1 Meg.	1
K6710	F12*	Car.	7500	1	K6794	UC514†	Car.	1 Meg.	1
K6739	A10MP*	WW	10000	4	K6682	P	Car.	2 Meg.	1
K6740	Y10MP	Car.	10000	4	K6723	UC504	Car.	3 Meg.	1
K6674	G*	WW	10000	2	K6724	UC505	Car.	4 Meg.	1
K6711	Q7*	WW	10000	7	K6725	UC506	Car.	5 Meg.	1
K6712	G12*	Car.	10000	1	K6726	UC507	Car.	5 Meg.	2
K6720	UC501	Car.	10000	2	K6727	UC508	Car.	9 Meg.	1

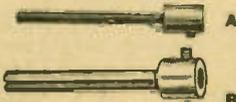
Car.—Carbon element. WW—Wire wound. *—Has adjustable bias feature. Wire wound units have adjustable plate; carbon element controls have external adjustable resistor. †—Has slotted shaft for auto sets. Supplied Less Switch.
 Your Cost Each, Any of the above Controls..... **73¢**

Control Switches



Stock No.	Part	Type	Each
K6288	6-9	S.P.S.T.	35¢
K12853	8	S.P.D.T.	
K6289	7	D.P.S.T.	
K6290	13	3-P.S.T.	
K6291	14	4-P.S.T.	44¢

Extension Shafts



Type A—Length 4".
 K6561— $\frac{1}{8}$ " diam., $\frac{1}{16}$ " flat.
 K6562— $\frac{1}{8}$ " diam., $\frac{1}{8}$ " flat.
 K6563— $\frac{1}{8}$ " diam., $\frac{1}{4}$ " flat.
 Any Size, Your Cost Each..... **24¢**
 Type B—2" long, $\frac{1}{4}$ " diameter with $\frac{1}{8}$ " slot. Enclosed in tight fitting tube.
 K6559—Your Cost..... **26¢**

Mounting Brackets



For use where control mounts off chassis. Plated metal. Adjustable mounting centers.
 K6297—Type RB-248—Mounting centers $1\frac{1}{2}$ " to $2\frac{1}{4}$ ".
 K6298—Type RB-249—Mounting centers $2\frac{1}{2}$ " to $2\frac{3}{4}$ ".
 Your Cost Each, Either Type..... **15¢**

Control Hex Nuts

No.	For Panels	Each
K6384	$\frac{1}{8}$ "	12¢
K6386	$\frac{1}{4}$ "	15¢
K6385	$\frac{3}{8}$ "	18¢

Volume Control Wrench



For standard volume control nuts.
 K6387—No. 178
 Your Cost Each..... **15¢**

Standard Special Dual "DRP" Controls

Two separate controls operated by a single shaft. Will service over 90% of sets utilizing this type of control. Refer to the Mallory Encyclopedia for selection. Shpg. wt. app. 8 oz.

Stock No.	Type No.	Resistance		Stock No.	Type No.	Resistance	
		Front	Rear			Front	Rear
K6683	DRP114	250	5M	K6758	DRP239	25M	25M
K6698	DRP115	3800	3800	K6759	DRP240	250M	10M
K6694	DRP116	25700	10M	K6773	DRP250	50M	1M
K6751	DRP117	500	2500	K6604	DRP301	5M	2500
K6752	DRP119	3M	10M	K6607	DRP304	1 Meg.	3 Meg.
K6753	DRP122	645	10M	K6601	DRP311*	150M	250M*
K6614	DRP169	7500	10M	K6611	DRP314	500M	2500
K6619	DRP221	10M	100M	K6612	DRP315	2 Meg.	2500
K6756	DRP222	75M	32M	K6603	DRP317	500M	1M
K6757	DRP232	3 Meg.	3 Meg.	K6618	DRP318	250M	3 Meg.

* Tapped at 160 M ohms.
 Any Type Above, Your Cost Each..... **\$1.82**

Standard Universal Tapped Controls

Standard $1\frac{1}{2}$ " diameter controls with tap for various applications. Furnished with two nuts, washer, ground terminal and knob adapter.

Stock No.	Mfrs.	Res. Ohms	Tapped At Ohms	Stock No.	Mfrs.	Res. Ohms	Tapped At Ohms
K6543	TRP601	40000	8000	K6583	TRP612	2 Meg.	15000
K6544	TRP602	60000	4000	K6586	TRP613	2 Meg.	400000
K6545	TRP603	250000	110000	K6587	TRP614	350000	70000
K6546	TRP604	350000	20000	K6588	TRP615	3 Meg.	900000
K6547	TRP605	350000	70000	K6589	TRP616	500000	60000
K6577	TRP606	500000	100000	K6590	TRP617	60000	12000
K6578	TRP607	500000	225000	K6591	TRP618	2 Meg.	25000
K6579	TRP608	1 Meg.	200000	K6593	TRP620	2 Meg.	900000
K6580	TRP609	1 Meg.	500000	K6596	TRP623	250000	50000
K6581	TRP610	1 Meg.	30000				

Your Cost Each, Any of the Above..... **\$1.09**

Standard Universal Dual Controls

Consist of two volume controls strapped together and driven by a single shaft. Units listed service practically all receivers.

Stock No.	Mfrs.	Type	Res. in Ohms	Taper	
			Front	Rear	
K6584	CE	WW	2000	5000	I I
K6588	GE	WW	10000	5000	VII IV
K6585	GC	WW	10000	10000	VII IV
K6586	GK	Car.	10000	50000	I IV
K6559	LL	Car.	100000	100000	I I
K6587	LM	Car.	100000	250000	I I
K6749	MM	Car.	250000	250000	I I
K6750	MN	Car.	250000	500000	I I
K6589	NN	Car.	500000	500000	I I

WW—Wire Wound element. Car.—Carbon element.

Your Cost Each, Any Size..... **\$1.82**

Explanation Of Mallory Volume Control Tapers

- No. (1) For audio or antenna shunt circuits.
- No. (2) For series circuits such as cathode voltage controls.
- No. (3) For antenna shunt and "C" bias circuits.
- No. (4) Linear taper; for voltage divider circuits.
- No. (4a) Modified linear taper, similar to No. 4.
- No. (7) Wire wound element. For antenna and "C" bias.

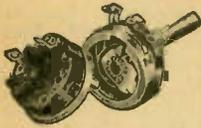
FS Universal Flexible Coupling Shafts

FS250—For universal replacement of flexible wire shafts coupling to $\frac{1}{8}$ " solid shafts.		44¢
K6507—Each.....		
FS251—Shaft coupling has $\frac{1}{8}$ " hole, $\frac{1}{2}$ " deep, and has a transverse pin.		44¢
K6508—Each.....		
FS252—Shaft coupling has $\frac{1}{8}$ " hole approximately $\frac{1}{2}$ " deep, with two set screws.		44¢
K6509—Each.....		
FS253—Shaft coupling has $\frac{1}{8}$ " hole, $\frac{1}{2}$ " deep, equipped with two screws at 90 degrees. Replacement Chev. 364441.		44¢
K6560—Each.....		

We Will Not Knowingly Be Undersold

CLAROSTAT volume controls

CLAROSTAT Series M Volume Control

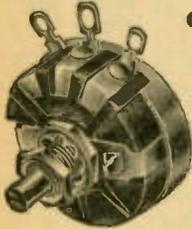


Compact yet without sacrificing operating efficiency and long service. 1 1/4" dia. by 1/4" deep. Utilizes stabilized element insuring the control's constancy in all weather and in all climates. The Ad-A-Switch feature makes it possible to adapt any "A" switch to any "M" control.

No.	Type	Ohms	Each	No.	Type	Ohms	Each
K7100	M-5-S	500		K7120	M-45-W	50,000	
K7101	M-8-S	1,000		K7121	M-46-Z	50,000	
K7102	M-11-S	2,000		K7122	M-47-S	75,000	
K7103	M-15-S	3,000		K7123	M-48-V	75,000	
K7104	M-19-S	5,000		K7150	M-49-S	100,000	
K7105	M-20-U	5,000		K7151	M-51-Z	100,000	
K7106	M-23-S	7,500		K7152	M-52-S	200,000	
K7107	M-27-S	10,000		K7153	M-55-S	250,000	
K7108	M-29-U	10,000		K7154	M-64-Z	250,000	
K7109	M-30-V	10,000		K7155	M-58-S	500,000	
K7110	M-31-W	10,000	73°	K7156	M-59-Y	500,000	73°
K7111	M-81-Z	10,000		K7157	M-60-Z	500,000	
K7112	M-32-S	15,000		K7158	M-61-S	1,000,000	
K7113	M-33-U	15,000		K7159	M-63-Z	1,000,000	
K7114	M-34-V	15,000		K7160	M-66-Z	2,000,000	
K7115	M-35-W	15,000		K7161	M-67-Z	3,000,000	
K7116	M-37-U	20,000		K7152	M-68-Z	4,000,000	
K7117	M-40-S	25,000		K7163	M-69-Z	5,000,000	
K7118	M-41-W	25,000		K7164	M-72-V	25,000	
K7119	M-44-S	50,000		K7165	M-99-Z	10,000,000	

Taper Code: V—C-bias rheostat; U—Ant. and C-bias control for 1 tube without bleeder; W—Screen grid voltage, phono pickup, regeneration control; Y—Audio shunt and AVC when steep taper is desired; Z—Audio shunt, AVC, tone, gain control; S—Standard potentiometer.

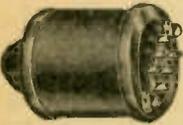
CLAROSTAT Series 58 W W Controls



Sturdy and reliable in construction yet capable of use for delicate control work. Noiseless in operation these units are standard equipment in laboratories, in radio stations, and in electronic equipment where stability and reliability are essential. All the controls listed here are linear. Constructed of precision wound alloy wire on a bakelite strip. Rotor sweeps over inside face of winding. Molded bakelite casing, 1 1/4" dia., 3/8" depth, 1/8" bushing. Shaft 1 1/2" long.

No.	Type	Resistance in Ohms	Each	No.	Type	Resistance in Ohms	Each
7048	58-1	1		7094	58-500	500	
7049	58-2	2		7093	58-750	750	
7051	58-4	4		7092	58-1000	1,000	
7052	58-6	6		7090	58-2000	2,000	
7053	58-10	10		7087	58-3000	3,000	73c
7054	58-15	15		7084	58-5000	5,000	
7055	58-20	20		7080	58-7500	7,500	
7056	58-25	25		7078	58-10K	10,000	
7057	58-30	30	73°	7073	58-15K	15,000	
7058	58-40	40		7070	58-20K	20,000	
7059	58-50	50		7068	58-25K	25,000	
7060	58-60	60		7067	58-30K	30,000	94c
7061	58-75	75		7066	58-40K	40,000	
7068	58-100	100		7065	58-50K	50,000	
7067	58-200	200		7064	10-75K*	75,000	\$1.47
7066	58-300	300		7063	10-100K*	100,000	
7065	58-400	400					

CLAROSTAT 10-Watt Output Attenuators



Type CIB: Compact constant impedance attenuators that will dissipate 10 watts in any position. Linear attenuation in 3 db steps to 30 db, final step to infinity. Units are 2" dia., 2 3/4" long. Mount in single hole. Bushing 3/8"; shaft 1" long. Supplied with dial plate and knob. Shpg. wt. 1 lb.

No.	Ohms	No.	Ohms	No.	Ohms	Any Aype,	Each
K7837	8	K7839	50	K7841	250		\$6.37
K7838	15	K7840	200	K7842	500		

CLAROSTAT Constant Impedance Controls



Provide highest quality sound reproduction. Use these "T" and "L" pads to eliminate distortion which arises from mismatched impedances. Safe maximum power dissipation of 2.5 watts. Continuous range from 0.5 to 30 db. attenuation in 90% of rotation. Last 10% gives infinite attenuation.

Series CIT Wire-Wound T-Pads

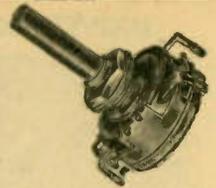
Stock No.	Resistance	Each
K7217	8 ohms	
K7218	15 ohms	\$2.50
K7219	200 ohms	
K7220	500 ohms	

Series CIL Wire-Wound L-Pads

Stock No.	Resistance	Each
K7221	8 ohms	
K7222	15 ohms	\$2.20
K7223	200 ohms	
K7224	500 ohms	

Series T Tapped Controls

The standard units listed here permit replacement of tapped units with the assurance that the overall resistance value as well as the taps satisfactorily substitute for the original. A dual contact arm rides the resistance element ring. Low loss conduction throughout reduces operational noise to a negligible minimum.



No.	Type	Ohms	Tap No. 1	Tap No. 2	Tap No. 3	Each
K7172	T-25	50,000				
K7173	T-38	200,000		25,000		
K7174	T-39	250,000			25,000	100,000
K7175	T-42	250,000		125,000		
K7176	T-43	250,000			50,000	
K7177	T-44	250,000	60,000			125,000
K7178	T-45	250,000	30,000		60,000	
K7179	T-60	350,000			25,000	
K7180	T-69	350,000	75,000			
K7181	T-70	350,000			75,000	
K7182	T-78	500,000			100,000	
K7183	T-80	500,000				100,000
K7184	T-81	500,000	25,000			
K7185	T-82	500,000				200,000
K7186	T-88	500,000			50,000	
K7187	T-90	500,000			250,000	
K7188	T-92	500,000	100,000			300,000
K7189	T-98	1,000,000	250,000			
K7190	T-101	1,000,000			50,000	
K7191	T-102	1,000,000	100,000			500,000
K7192	T-103	1,000,000			100,000	
K7193	T-109	1,000,000			225,000	
K7194	T-110	1,000,000			170,000	
K7195	T-111	1,000,000				200,000
K7196	T-112	1,000,000			500,000	
K7197	T-95	1,500,000	250,000 @ 25% Rotation			500,000
K7198	T-125	1,500,000			350,000	
K7199	T-114	2,000,000			100,000	
K7200	T-115	2,000,000			500,000	
K7201	T-116	2,000,000			1,000,000	
K7202	T-118	2,000,000	20,000			
K7203	T-119	2,000,000			200,000	
K7204	T-120	2,000,000			400,000	
K7205	T-121	2,000,000	250,000			500,000
K7206	T-124	2,000,000	5,000 @ 25% Rotation			
K7207	T-126	2,000,000	200,000			400,000
K7208	T-129	2,000,000	15,000			
K7209	T-123	2,500,000	250,000			500,000
K7210	T-128	4,000,000			500,000	

CLAROSTAT Ad-A-Switch for Volume Controls

No.	Type	Each	No.	Type	Each
K7166	SW-A	S.P.S.T. 35c	K7169	SW-A4	four wire 35c
K7167	SW-A1	S.P.S.T. 35c	K7170	SW-A5	S.P.S.T.* 44c
K7168	SW-A2	D.P.S.T. 35c	K7171	SW-A6	S.P.S.T.† 44c

† With dummy lug.

* Closes at full rotation.

CLAROSTAT Duals

Series DC controls are dual units. Two controls of same resistance values and tapers, connected in tandem for joint operation.

No.	Type	Ohms	Each
K7211	DC 5-S	50,000-S	
K7212	DC 6-Z	100,000-Z	
K7213	DC 8-Z	250,000-Z	\$1.82
K7214	DC 10-Z	500,000-Z	
K7215	DC 11-Z	1,000,000-Z	
K7216	DC 29-S	250,000-S	

CENTRALAB Faders

Straight Fader
For use with high impedance input devices, xtal pickups, mikes, etc. Provide smooth quiet fading from one source to another.

Each tapped at center.
Stock Resistance
No. Each Side c.t. Your Cost

K9004	500M	\$1.18
K9005	1 Meg.	
Gain Control		
Like above but without center tap.		
Stock No.	Resistance	Each
K9000	250M	\$1.03
K9001	500M	
K9002	1 Meg.	
K9003	2 Meg.	

"Delta-T" Pad
Dual control maintaining constant impedance to both sides. For sound amplifiers, recorders, etc.

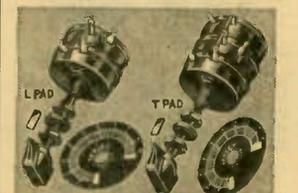
Stock No.	Imp.	Each
K9006	50 ohms	\$2.06
K9007	200 ohms	
K9008	500 ohms	

CLAROSTAT Rotary Switches

Compact, positive contact, bakelite. Rated 1 amp. 250 volts, 3 amps. 125 volts. Dia. 1 1/4", depth 1/4", bushing, 3/8", shaft 1 1/2".

No.	Type	Each
K12845	8590 S.P.S.T.	\$0.35
K12855	8591 S.P. bussing lug	.35
K12846	8592 D.P.S.T.	.44
K12847	8593 S.P.D.T.	.44
K12857	8594 S.P. rev. action	.35
K12848	8595 4 wire S.T.	.44

Mallory "T" & "L" Pads



For controlling level of low imp. audio circuits, mikes or phono, etc. With knob, dial and plate.

"L" Pads		"T" Pads	
No.	Ohms Imp.	No.	No.
K6356	6	K6362	6
	8	K6363	8
K6357	15	K6364	15
K6358	50	K6365	50
K6359	200	K6366	200
K6381	250	K6382	250
K6360	500	K6367	500
K6361	2000	K6368	2000
"L" Pads:			
Any Type Above...		\$2.20	
"T" Pads:			
Any Type Above...		\$2.50	

CENTRALAB volume controls

CENTRALAB Radiohms



Model R

Centralab Radiohms feature hard-surfaced materials, patented design and skilled workmanship. They are manufactured for long service under extreme conditions. Their outstanding feature is



Model M

a wall-type resistor strip which is mounted on the inner circumference of the control shell. It gives one-third greater effective resistor length than ordinary controls, and lowers noise levels; it assures better adherence to logarithm curve forms and greater energy dissipation. Cases and insulations are bakelite, terminals are silver-plated. In two models—**Model R Radiohm**: The feature of this Radiohm (formerly the Standard Radiohm) is the non-rubbing contact band which reduces wear and assures quiet operation by relieving the resistor of all erosive action. Rubbing is transferred to a permanently lubricated button and a flexible metal contactor where it does no harm to the operation of the part. Case is 1 1/4" diam. by 1/2" depth. Aluminum shaft extends 3" from end of 3/4" bushing and has universal fluted full length mill.

Model M Radiohm—Series III: Small in size (formerly the Midget Radiohm)—especially desirable for space saving. Equivalent to Model R and may be used as a substitute in all instances. Has direct contact but retains the wall-type resistor for maximum efficiency. Case is 1 1/2" diam. by 1/4" deep from mtg. surface. Milled aluminum shaft for standard push-on or set screw knob.

1—Voltage Divider (linear) 4—Ant., C-Bias, RF Plate Series
3—Ant. Shunt and C-Bias 6—Ant., AF Grid, or Tone

Model R No.	CRL No.	Resistance Ohms Taper	Model M No.	CRL No.	Resistance Ohms Taper	Model M No.	CRL No.
K8876	A100	500 1	K8795	N157	75,000 1	K8823	N175
K8865	A101	1,000 1	K8796	N158	75,000 6	K8824	N165
K8859	A102	2,000 1	K8806	N159	75,000 4	K8826	N166
K8866	A103	3,000 1	K8809	N160	100,000 1	K8820	N116
K8867	A104	4,000 1	K8811	N161	100,000 6	K8827	N117
K8868	A105	5,000 1	K8187	N106	150,000 6	K8828	N167
K8842	A106	5,000 6	K8814	N162	200,000 1	K8830	N168
K8907	A107	7,500 1	K8815	N163	200,000 4	K8834	N169
K8872	A108	10,000 1	K8190	N107	250,000 1	K8835	N176
K8871	A109	10,000 3	K8188	N100	250,000 6	K8192	N102
K8843	A110	10,000 4	K8189	N108	500,000 1	K8273	N118
K8858	A111	10,000 6	K8278	N109	500,000 4	K8836	N170
K8873	A112	15,000 3	K8279	N110	500,000 6	K8193	N103
K8931	A113	15,000 4	K8230	N111	750,000 6	K8844	N171
K8877	A114	20,000 3	K8281	N112	1 Meg. 6	K8194	N104
K8869	A115	25,000 1	K8217	N113	2 Megs. 6	K8169	N155
K9032	A116	25,000 4	K8822	N164	3 Megs. 6	K8850	N156
K8860	A117	25,000 3	K8191	N101	8 Megs. 1	K8851	N177
K8861	A118	50,000 1	K8218	N114	10 Megs. 1	K8857	N178
K8875	A119	50,000 6	K8219	N115			

Your Cost Each Any Type Listed Above... **73¢**

CENTRALAB Radiohm With Tap

Model R No.	CRL	Resistance (Ohms)		Model M	
		Maximum	Tapped at	No.	CRL
K8891	AT135	250,000	75,000	K8274	NT119
		250,000	125,000	K8260	NT147
		350,000	75,000	K8261	NT148
K8881	AT136	500,000	150,000	K8275	NT120
		500,000	250,000	K8262	NT149
		1 Meg.	200,000	K8263	NT150
K8882	AT137	1 Meg.	300,000	K8276	NT121
		2 Megs.	200,000	K8264	NT151
		2 Megs.	400,000	K8265	NT152
K8909	AT138	2 Megs.	600,000	K8277	NT122
		2 Megs.	1 Meg.	K8290	NT153

Your Cost Each Any Type Listed Above... **\$1.09**

CENTRALAB Switch Covers

The Centralab switch cover is supplied in five types for Model R Radiohm and in four types for Model M Radiohm. Add 1/4" for switch cover on single or twin style Model R Radiohm and 1/2" for switch cover on Model M Radiohm.



Stock No.	For Model R CRL No.	Circuit	Stock No.	For Model M CRL No.	Your Cost Each
K8665	K10	S.P.S.T.	K8195	K155	35¢
K8666	K11	S.P.D.T.	K8196	K156	
K8660	K12	D.P.S.T.	K8197	K157	
K8669	K15	4 Point	K8198	K158	44¢
K8670	K16	*S.P.D.T.			
K8661	K17	†S.P.S.T.	K8199	K169	

*Operates at clockwise position.

†With dummy lug.

CRL Shaft Couplers

K8885—(CRL #K161)
—Couples two 1/4" or one 1/2" and 1/2" shaft.
K8886—(CRL #K184)
—Bakelite auto control coupling. 1/4" diam. hole; opp. end cone shaped and slotted for remote cable couplings.
K8888—(CRL #K168)—Same as K184 but square hole for Motorola receivers.

Your Cost Each... **18¢**

CRL Extension Shafts

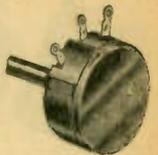
Where long sturdy remote connections are required.

Stock No.	CRL No.	Description
K8889	K181	4"x3/4"x1/4"
K8892	K183	4"x3/4"x1/4"

Your Cost Each, Either Type... **24¢**

CENTRALAB Model R Wire Wound Radiohms

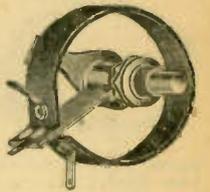
These Radiohms feature a wire wound resistance strip in a molded bakelite case with dimensions identical to the regular Model R Radiohm. Only plain controls are listed. Model R Radiohm switch covers may be attached. Insulated aluminum shaft extends 3" from 3/4" bushing, milled full length for push-on or set screw knobs. Rated at 3 watts. All controls have linear relation of resistance to rotation.



Stock No.	CRL No.	Resistance (Ohms)	Stock No.	CRL No.	Resistance (Ohms)	Your Cost Each
K8893	V100	2	K8682	V121	100	73¢
K8894	V102	4	K8683	V123	200	
K8959	V104	6	K8927	V125	300	
K8895	V106	8	K8684	V126	400	
K8961	V108	10	K8685	V127	500	
K8900	V109	15	K8928	V128	750	
K8902	V110	20	K8686	V129	1,000	
K8920	V111	25	K8687	V131	2,000	
K8921	V112	30	K8765	V133	3,000	
K8922	V114	40	K8929	V134	4,000	
K8681	V116	50	K8804	V135	5,000	
K8925	V117	60	K8930	V136	7,500	
K8926	V118	75	K8766	V137	10,000	

CENTRALAB Power Rheostats

A 25-watt or 50-watt rheostat designed to work at high temperatures without damage. Ideal for many commercial applications, such as small motor speed controls, charging rate adjusters or soldering iron temperature regulators. Give maximum dissipation for size because of complete air circulation. All metal frame and core, insulated with treated asbestos. Practically indestructible. Made in two sizes, all two inches in diameter. Bushing is 3/4" diameter by 1/2" long; shaft is 1/4" diameter by 1/2" long. Shaft and bushing are at contact arm potential. Depth behind panel of 25-watt rheostat—3/4"; 50-watt—1 1/4". All sizes furnished with bakelite knob and panel insulating washers.



25-Watt Rheostats

Stock No.	CRL No.	Resis. (Ohms)	Stock No.	CRL No.	Resis. (Ohms)	Each
K8977	48-002	2	\$1.18			
K8978	48-006	6		K8974	48-200	200
K8955	48-010	10		K8957	48-250	250
K8979	48-015	15		K8985	48-300	300
K8956	48-026	25		K8982	48-400	400
K8972	48-042	40		K8958	48-500	500
K8980	48-050	50		K8983	48-810	1,000
K8976	48-100	100		K9017	48-815	1,500
K8981	48-150	150		K8984	48-850	5,000

50-Watt Rheostats

Stock No.	CRL No.	Resis. (Ohms)	Stock No.	CRL No.	Resis. (Ohms)	Each
K9018	48-003	2	\$1.47			
K9027	48-011	10		K9029	48-201	200
K8987	48-025	25		K9030	48-301	300
K8988	48-060	60		K8990	48-501	500
K9028	48-101	100		K8991	48-811	1,000
K8989	48-151	150		K8992	48-835	2,500
				K8960	48-851	5,000

CENTRALAB Model M Split Knurl Radiohms

Construction of split Knurl Radiohms specifies an extruded brass rod 2 1/4" from the end of the bushing that allows immediate cutting.

Stock No.	CRL No.	Resistance Ohms	Taper
K8946	NK136	10,000	3
K8947	NK137	25,000	4
K8948	NK138	50,000	6
K8285	NK139	250,000	6
K8286	NK140	500,000	6
K8287	NK141	1 Meg.	6
K8288	NK142	2 Megs.	6
K8949	NK172	3 Megs.	6

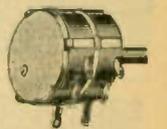
Your Cost, Plain Types... **73¢**

Stock No.	CRL No.	Resist. Max.	(Ohms) Tap At
K8952	NK173	250,000	75,000
K8289	NK143	500,000	150,000
K8291	NK144	1 Meg.	300,000
K8953	NK174	2 Megs.	600,000

Tapped Types, Your Cost Each... **\$1.09**

CENTRALAB Model R Twin Radiohms

These Centralab Radiohms have two resistance elements insulated from each other and from the shaft and bushing. Sections are Model R Radiohm bases, 1 1/4" in diameter by 1 1/4" depth for twin sections. 3" aluminum shaft with 3/4" bushing.



CRL No. C100: Has special taper to improve many receivers now using single controls in the "C" bias circuit.

CRL No. C101: May be used where the original single control is in the screen grid circuit.

CRL Nos. C102-3-4: Use as dual grid volume control in audio amplifiers with push-pull input stage.

Your Cost Any Type Listed Above... **\$1.82**

headphones and accessories

COMPACT HEADPHONE KIT

When installed, the user can enjoy headphone reception only, speaker reception only or both together. Complete outfit consists of: 18" connecting cable, adapter with three-way switch and terminal jacks on an insulated panel, special Empire phones with 6-ft. cord and complete installation instructions. Shpg. wt. 3 lbs.



K13944—Your Cost, Complete Kit... \$2.60

"EMPIRE" DX TYPE HEADPHONES

Made especially for DX fans. Have featherweight shells and a one-piece adjustable steel headband with adjustable clips. Each unit has a powerful bi-polar magnet and a BAKELITE CAP. Highly sensitive. Shpg. wt. 2 lbs.

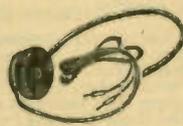


2000-Ohm Headset \$1.45
K13892—Complete.
Your Cost

K13893—3000 ohms \$1.50
Your Cost
K13894—Cap for above... Ea., 12c
K13895—Diaphragm... Ea., 5c

"EMPIRE" Single Unit Headsets

Similar to above, but one phone. Clock-steel band permanently attached; with 4 1/2 ft. cord.
K13896—1000-ohm single set.
Your Cost **95c**
K13897—1500-ohm single set.
Your Cost **98c**



TRIMM "Quiet Radio" Headphone Attachment



Outfit consists of a control box with built-in selector switch and a headset of special low resistance type. Easily attached to any radio. Switch permits use of headphone only, speaker only or speaker and phone simultaneously. Shpg. wt. 3 lbs.

K13903—Model 647 With Acme DeLuxe Headset. \$4.02
Your Cost
K13905—Model 643, With Trimm Dependable Headset. \$4.21
Your Cost

Cannon Ball "Chief" All Bakelite Phones

High grade, sensitive phones in molded bakelite housings. Provided with Braid covered adjustable head band and 5-ft. cord. Concealed terminals. Wt. 2 lbs.



2000 ohms imp. \$2.35
K13948—Per Set...
3000 ohms imp. \$2.65
K13949—Per Set...

Headphone Adapter

With 18" Cable. On fibre panel 2x2". For all sets. Three positions; phones, speaker, and both phones and speaker. Full instructions.



K13942—Your Cost. \$1.10

Headphone Cushions

Soft rubber. Fit all type headphones.
K13943—Pair... **65c**
10 Pairs for... \$5.85



BRUSH Model BA-303

Miniature plastic extension speaker for under pillow use. Specially designed diaphragm makes tone quality comparable to cone type speaker. Ample output with low power consumption (.001 watt). Hermetically sealed. Light weight bimorph crystal drive element assures uniform response and high sensitivity. 4 3/8" dia. by 1 1/4" thick. Shpg. wt. 2 lbs.



K13911—Your Cost, Complete... \$9.55

BRUSH Model BJ Communications Set

Developed for communications work where light weight, durability, and uniform response are required. High output impedance, 40,000 ohms at 500 cycles. Frequency response from 100 to 10,000 cycles. Soft rubber housing insures good ear seal and wearing comfort. Headset complete with 5 foot cord and adjustable lock-type headband. Shipping weight 2 lbs.



K13899—Your Cost... \$9.32

BRUSH Model A General Purpose

Designed for general purpose applications, including laboratory, studio, and amateur home use. High impedance, insures wide freq. range, high sensitivity. Complete with 5 ft. cord and adjustable lock type headband. Wt. 2 lbs.



K13924—Your Cost... \$7.06

BRANDES "Admiral" Headphones

Compact, efficient phones featuring powerful magnets, molded caps, steel headbands with new type adjustable clips, concealed terminals. With 5-ft. cord.



K13928—2000 ohms Per Set... \$2.15
K13929—3000 ohms Per Set... \$2.30
Your Cost, Per Set... \$2.75
K13930—5000 ohms Per Set... \$2.75
Your Cost, Per Set...

BRANDES "Superior" Headphones

The old standby in the radio field. Similar to above, but with exposed screw terminals. 2000 ohms.

K13925—Your Cost, Per Set... \$2.00

Headphone Caps and Diaphragms

K13936—Bakelite Cap (fits all models). Each... 18c
K13935—Aluminum Cap (fits all models). Each... 18c
K13937—Diaphragm only (fits all models). Each... 5c

TRIMM Featherweight Phones

Lightweight—only 4 oz. Beautifully made. Bakelite shell and cap. Forged cobalt steel magnets. Adjustable steel headband.



K13919—24,000 ohms impedance. \$5.88

K13918—4,000 ohms resistance. \$5.88

Your Cost Each...

TRIMM Dependable Headset

Well made low priced set. Bakelite shells and caps. Chrome steel magnets.

K13914—2000 ohms. \$2.65

Your Cost, Per Pair...

Professional Headsets Similar but 4,000 ohms. \$3.18

Commercial Headset: DeLuxe super-sensitive phones. Exceptionally rugged. 3 year guarantee. A favorite of commercial operators.

K13908—17,000 ohms imp., with army-navy type plug. \$9.40

K13939—Same but 600 ohms impedance.

Your Cost, Either Type... \$9.40

K13912—Same as K13908 but less plug... \$8.23

K13938—Same as K13939 but less plug... \$8.23

BRUSH Model A-1

For use where high fidelity and extended frequency response are of paramount importance. (60 to 10,000 cps.) corrected for rising response below 200 cps. Especially suited to monitoring, audiometry, similar exacting applications. Impedance over 80,000 ohms at any freq. Sensitivity approx. 1 1/2 bars/v at 1000c/s. with 5 ft. cord, band. Shpg. wt. 2 lbs.



K13920—Your Cost... \$10.58

Your Cost...

BRUSH Mod. A Lorgnette

Hearing aid in churches, concert halls, and theatres. Telescope extension from 12" to 17". Light weight, comfortable, finished in satin black. 5 ft. cord. Wt. 1 lb.



K13923—Your Cost, Complete... \$4.82

BRUSH Model B Single

Excellent hearing aid because of extreme light weight. Very low power consumption. High quality reproduction. Hermetically sealed against moisture. Complete with 5 ft. cord. Shpg. wt. 1 lb.



K13907—Your Cost... \$3.91

BRUSH Model A Single

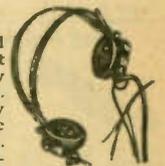
Adapted to individual or group hearing aid and radio applications. Comfortable to wear, light weight. Spring steel headband. 5 ft. cord. Wt. 1 lb.



K13922—Your Cost... \$3.79

Military Phones

Sensitive and durable to meet Army and Navy specifications. Extra heavy duty bakelite cap, brass shell. 24,500 ohms impedance; bi-polar magnets. 6 ft. cord. Moisture proof. Shpg. wt. 2 lbs.



K13926—Your Cost... \$10.46

K13927—Same as above, but low impedance type. \$10.46

Your Cost...

K14969—Army-Navy type plug. Hard rubber insulation. Black acetate shell. Fits stand-ard phone jacks. Each. \$1.32

Phone and Speaker Cords



Cotton Braid Insulation
No. Type Feet Each
K13955 Double* 4 1/2 29c
K13956 Double* 4 1/2 29c

Rubber Phone Cord

New double headphone cord for hospitals, institutions, etc. **65c**
K13959—Double* 6 ft.

*Spade tips one end; straight tips other. Pin tips both ends.

Cannon Ball "Master" Headphones

Concealed terminal type. Diam. of diaphragm 2 1/2". 4 1/2 ft. cord. 1/2" steel magnets



K13944—2000 ohms imp... \$2

K13941—5000 ohms imp... \$2.63

Your Cost...

Extension Cord Connector

Has 2 openings, at either end, for inserting two pin tips. Molded body.



K13051 Each... \$10c

10 For... \$90c

MALLORY switches

MALLORY Midget Jacks



Extremely compact. Mount in $\frac{3}{8}$ " hole. Type A-1 "Infant" jack is not illustrated.

No.	Part	Type	Each
K6182	A-1	Open Circuit	18c
K6183	A-2	Circuit Closing	29c
K6184	A-2A	Two Circuit	32c
K6185	A-3A	Cir. Reversing	47c

MALLORY Junior Jacks



Compact, extend only $1\frac{1}{8}$ " behind the panel. Heavily plated springs.

No.	Part	Type	Each
No. 701		Open Circuit	32c
K6450		Your Cost	32c
K6451	No. 702	Circuit closing	
K6449	No. 702A	Two circuit	
K6435	No. 702B	Three circuit microphone	
		Your Cost, Any Type	44c
K6452	No. 703	Single circuit filament control	
K6459	No. 703A	Circuit reversing	
K6466	No. 703B	3-circuit Mike, one circuit closing	
		Your Cost, Any Type	50c
K6453	No. 704	Interstage	
K6478	No. 704A	2-circuit filament control	
		Your Cost, Any Type	59c
K6479	No. 705	2-circuit filament lighting	68c
K6448	No. 706	Interstage filament control	
		Your Cost	73c

Long Frame Jacks



Extend $3\frac{1}{8}$ " behind panel. Pure silver contacts. Bakelite separators.

No.	Part	Type	Each
No. 1		Open Circuit	38c
K6400		Your Cost	38c
K6401	No. 2	Circuit Closing	
K6402	No. 2A	Two Circuit	
		Either Type	47c

MALLORY Junior Jack Switches

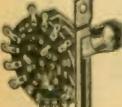


Furnished with black knob; on-off plate. Mounts in $\frac{1}{8}$ " hole. Panels up to $\frac{1}{4}$ " thick. $1\frac{1}{4}$ " deep.

Two Position Switches			
No.	Part	Type	Each
K6470	720	S.P.S.T.	50.65
K6471	730	S.P.D.T.	.79
K6472	740	D.P.S.T.	.88
K6473	745	5-Spring	1.03
K6474	760	D.P.D.T.	1.15
K6475	733	3-P.S.T.	1.15
K6469	744	4-P.S.T.	1.50

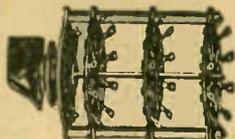
Three Position Switches (Center Position Off)			
No.	Part	Type	Each
K6440	732	S.P.D.T.	.79
K6441	762	D.P.D.T.	1.12
K6442	763	3-P.D.T.	1.47
K6443	764	4-P.D.T.	1.82

MALLORY Lever Action Switches



Particularly suited to intercoms, centralized radio, and PA equipment. They are available in six different circuit combinations, all with positive indexing, with either shorting or non-shorting contacts.

No.	Circuits	Type	Each
K6337	4	2 6142S	68c
K6338	4	2 6242NS	68c
K6339	4	3 6143S	68c
K6341	4	3 6243NS	68c



MALLORY Gang Switches

Contact members are heavily silver plated, and given a smooth hard finish. Contact shoe, of the self-cleaning type is of silver alloy. All switches are provided with one permanent stop and one adjustable stop. Bushings $\frac{1}{8}$ " and extend $\frac{1}{4}$ ". Bakelite knob supplied.

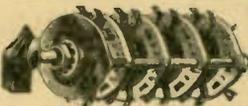
SINGLE GANG SWITCHES				Your Cost	
Shorting Stock No.	Non-Shorting Stock No.	Total No. Circuits	Points	Each	Each
K6247	K6263	1	1 to 6 points		\$0.76
K6248	K6264	1	1 to 11 points		.97
K6249	K6265	2	1 to 5 points each		.97
K6250	K6266	3	1 to 3 points each		1.06
K6251	K6267	4	1 to 2 points each		1.12

TWO GANG SWITCHES				Your Cost	
Shorting Stock No.	Non-Shorting Stock No.	Total No. Circuits	Points	Each	Each
K6252	K6268	2	1 to 6 points each		1.26
K6253	K6269	2	1 to 11 points each		1.35
K6254	K6270	4	1 to 5 points each		1.53
K6255	K6271	6	1 to 3 points each		1.65
K6256	K6272	8	1 to 2 points each		1.73

THREE GANG SWITCHES				Your Cost	
Shorting Stock No.	Non-Shorting Stock No.	Total No. Circuits	Points	Each	Each
K6257	K6273	3	1 to 6 points each		1.71
K6258	K6274	3	1 to 11 points each		1.82
K6259	K6275	6	1 to 5 points each		1.94

FOUR GANG SWITCHES				Your Cost	
Shorting Stock No.	Non-Shorting Stock No.	Total No. Circuits	Points	Each	Each
K6260	K6276	4	1 to 6 points each		2.12
K6261	K6277	4	1 to 11 points each		2.32
K6262	K6278	8	1 to 5 points each		2.70

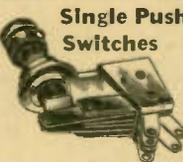
SIX GANG SWITCHES				Your Cost	
Shorting Stock No.	Non-Shorting Stock No.	Total No. Circuits	Points	Each	Each
K6281	K6283	6	1 to 11 points each		3.41
K6286	K6287	12	1 to 6 points each		4.35



MALLORY Ceramic Switches

Low loss ceramic insulation, wide contact spacing, improved heavy silver plated contacts. For transmitters with power up to 100 watts. Complete with hardware and knob.

No. Gangs				Circuits				Points				Each			
				per cent.											
K6000	1	1	6	\$1.00	K6010	3	1	6	\$2.29						
K6001	1	1	11	1.00	K6012	3	1	11	2.29						
K6002	1	2	5	1.00	K6013	3	2	5	2.29						
K6003	1	3	3	1.00	K6642	1	4	4	1.31						
K6004	2	1	6	1.59	K6643	2	2	4	2.09						
K6005	2	1	11	1.59	K6644	3	3	4	3.02						
K6006	2	2	5	1.59	K6645	4	4	4	3.80						
K6008	2	3	3	1.59	K6646	5	5	4	4.72						
					K6647				dial plate for above. .12						



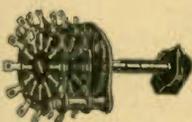
Single Push Button Switches

Available in locking or non-locking type. Mounts in $\frac{1}{8}$ " hole.

No.	Circuit	Type	Each
K6460	S.P. make	2001	\$0.76
K6406	S.P. make	2001L*	.76
K6461	S.P. break	2002	.76
K6407	S.P. break	2002L*	.76
K6462	SPDT	2003	.82
K6413	SPDT	2003L*	.82
K6457	2-pole make	2004	.94
K6414	2-pole make	2004L*	.94
K6464	2-pole break	2005	.94
K6415	2-pole break	2005L*	.94
K6465	DPDT	2006	1.15
K6437	DPDT	2006L*	1.15
K6463	DP make 2	2007	1.03
	break 1	2007L*	1.03
K6438	DP make 2	2008	1.29
	break	2008L*	1.29
K6439	DP Make before break	2008L*	1.29

*Locking type; others non-locking.

24 Point Tap Switch



With Knob and Dial Plate

Special single-circuit non-shorting switch. 24-point bushing, 2" grooved shaft. Complete with dial plate and bar-type knob.

K6371—Your Cost..... \$2.06



Bias Cells

1 and $1\frac{1}{2}$ volt types. For biasing high-gain amplifiers.

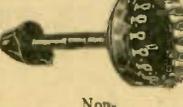
K6419—1 volt.
K6424— $1\frac{1}{2}$ volt.

Your Cost Each..... 24c

Holders Only for Above

K6420	For 1 Cell	9c
K6421	For 2 Cells	15c
K6422	For 3 Cells	21c
K6423	For 4 Cells	24c

"3100" Series Single-Gang Tap and Circuit Selector Switches



Suitable for use in many types of test circuits. 2" notched shafts, $\frac{1}{8}$ " diam. With black bar knob and mounting nut. $\frac{1}{8}$ " bushings. Same features as gang switches (listed above). —Have adjustable stop.

Shorting				Non-Shorting					
Stock No.	Shorting Stock No.	No. Contacts Circ. Per Cir.	Your Cost	Stock No.	Shorting Stock No.	No. Contacts Circ. Per Cir.	Your Cost		
K6878*	K6888*	1	5	\$0.68	K6882*	K6894*	4	2	\$0.71
K6879*	K6889*	1	12	.68	K6883*	K6895*	4	3	.71
K6900*	K6890*	2	2	.68	K6884*	K6896*	1	17	1.06
K6911*	K6891*	2	3	.68	K6885*	K6897*	2	9	1.06
K6880*	K6892*	2	6	.68	K6886*	K6898*	3	6	1.15
K6881*	K6893*	3	4	.71	K6887*	K6899*	6	3	1.15

*Base Diam. of $1\frac{1}{4}$ ".

†Base Diam. of $1\frac{1}{8}$ ".

MALLORY Etched Plates

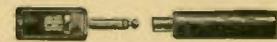


Hard aluminum with numbers etched in white. Fit $\frac{1}{8}$ " bushings. Plates with on-off position for use with switches. Others for use with step type controls.

No.	Marking	No.	Marking
K6224	1 to 2	K6234	1 to 12
K6225	1 to 3	K6243	1 to 15
K6226	1 to 4	K6235	Off—1 to 3
K6227	1 to 5	K6236	Off—1 to 4
K6228	1 to 6	K6237	Off—1 to 5
K6229	1 to 7	K6238	Off—1 to 6
K6230	1 to 8	K6239	Off—1 to 7
K6231	1 to 9	K6240	Off—1 to 8
K6232	1 to 10	K6241	Off—1 to 9
K6233	1 to 11	K6242	Off—1 to 10

Any Type, Your Cost **12c**
K6225—"0-100". Each... 15c
K6244—Volume..... 9c

MALLORY Plugs and Jacks



No. 75	2-way, bakelite shell	
K6295	Each	\$0.38
No. 75N	as above, nickel shell	
K6293	Each	.59
No. 75A	as above, with clamp	
K6346	Each	.97
No. 100	2-way, fiber shell	
K6348	Each	.76
No. 100N	as above but nickel	
K6342	Each	.97
No. 100A	as above, with clamp	
K6349	Each	1.35
No. 76	3-way mike plug, bakelite	
K6296	Each	.59
No. 76A	as above but nickel shell	
K6347	Each	1.15

Push Button Switches



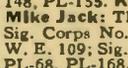
For multiple circuit transfer devices such as inter-com systems, test instruments, etc.

No.	Buttons	Type	Each
K6575	4	2164*	\$3.09
K6455	6	2166*	3.85
K6555	8	2168*	4.65
K6444	4	2184*	3.09
K6554	6	2186*	3.85
K6556	8	2188*	4.65
K6615	4	2194†	3.09
K6616	6	2196†	3.85
K6617	8	2198†	4.65

*Circuit closing, †Circuit transfer

‡Circuit transfer, non-shorting

Signal Corps Type Jacks



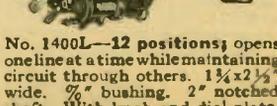
Phone Jack: Like Sig. Corps type JK-34A. Open circuit. Takes Mallory

75; W. E. 47A, 47B; Sig. Corps No. PL-47, PL-48, PL-55, PL-148, PL-155, K6300—Each. 32c

Mike Jack: Three circuit. Like Sig. Corps No. JK-33A. Takes W. E. 109; Sig. Corps No. PL-46, PL-68, PL-168.

K6301—Each..... 38c

Circuit Opening Switches



No. 1400L—12 positions; opens on line at a time while maintaining circuit through others. $1\frac{1}{2}$ " x $\frac{1}{2}$ " wide. $\frac{1}{8}$ " bushing, 2" notched shaft. With knob and dial plate.

K6370—Your Cost..... \$3.48

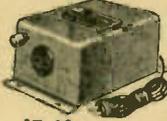
Cornell-Dublier "Quietones"

Each has plug end and receptacle, for connecting between noisy device and line.

For These	Use	For These	Use
Adding Machines	IF-18	Cash Registers	IF-18
Addressing Machines	IF-18	Dishwashers	IF-19
Billing Machines	IF-18	Floor Polishers	IF-18
Dental Machines	IF-19	Food Mixers	IF-19
Dietating Machines	IF-19	Fans	IF-19
Drilling Machines	IF-19	Juice Extractors	IF-19
Washing Machines	IF-19	Massagers	IF-19
Air Conditioners	IF-18	Radios	IF-18
Auto Call Systems	IF-18	Refrigerators	IF-18
Barber Clippers	IF-21	Vacuum Cleaners	IF-6



IF-19-21



IF-18

IF-21. All-Wave capacitive-inductive filter. For 110 V., 1.6 amps. max. In Walnut bakelite case. Shpg. wt. 2 lbs. **K12495—Your Cost Each..... \$2.23**

IF-19. Like above, but 5 amps. max. **K12494—Shpg. wt. 2 lbs. Your Cost Each..... \$3.56**

IF-18. All-Wave capacitive-inductive filter. For 110 volts, 5 amps. max. In Walnut bakelite case. Shpg. wt. 5 lbs. **K12493—Your Cost Each..... \$4.46**

Special Type "Quietones"

IF-22A. For use with Schick, Knapp Monarch, etc. shavers. Black bakelite case. Wt. 1 lb. **K12496—Your Cost Each..... \$1.59**

IF-27. Capacitive-inductive filter for severe interference from oil burners, motors, etc. For 110 V., 5 amps. max. Steel box; flexible leads. **K12498—Shpg. wt. 5 lbs. Each..... \$4.01**

IF-28. Same as above, but for equipment drawing up to 10 amps. max. Shpg. wt. 7 lbs. **K12499—Your Cost Each..... \$7.13**



AEROVOX Interference Filters

IN-23

For fractional h.p. motors. Bracket for mtg. directly to frame. Two .5 mfd. capacitors. Flexible leads. 1x2 1/4". **K4852—**
Each..... 61¢



IN-27

Small capacitive type for use between set and outlet. 1 1/2 x 1 1/4". Keeps noise out of line and wiring. Shpg. wt. 1 lb. **K4801—**
Your Cost Each..... 55¢



IN-29

Affords greater filter action than IN-27 and 28. Ideal for electric razors. 1 1/2 x 2 1/4". Shpg. wt. 1 lb. **K4803—**
Your Cost..... 61¢



IN-30

Similar to the IN-29 listed above, but handles more severe interference. Plugs between noisy appliance and outlet or between the set and the outlet. Only 1 1/2 x 2 1/4". Wt. 1 lb. **K4804—Cost Each. \$1.02**



IN-31

Plugs between attachment cord and electric outlet of either set or appliance. Provides additional inductance for better filtering. 1 3/8 x 2 3/4". **K4805—Each..... \$1.22**



IN-42 Line Filter



This quality line filter is designed for use in the more serious cases of radio interference from power lines and electrical appliances. It is provided with inductance as well as capacitance for thorough filtering action. The filter plugs into the electrical outlet. The radio set or the interfering device plugs into the receptacle of the filter. Recommended for use between the interfering device and the power line. The dimensions are 2 1/2 x 3 1/4". A mounting ring is provided. Rated at 6 amps, for 110-220 volt AC operation. Shpg. weight 1 lb. **K4792—**
Your Cost..... \$3.90

TACO All-Wave Filter

De Luxe Model 100
An effective capacitive-inductive filter designed for radios and appliances drawing no more than 200 watts at 120 volts AC or DC. Eliminates noises (man-made) on broadcast, short-wave and ultra-high frequency bands. Brown metal case 4x4x5" with receptacle, cord and plug. Wt. 5 lbs. **K12505—Each..... \$5.29**



SPRAGUE IF-21 Filter

Metal cased dual condenser filter. For use across brushes of small motors, etc. 2 1/2 x 1" dia. 6" leads. **K12441—Each..... 89¢**



IF-24 Fluorescent Lamp Filter

Capacitive type, ideal for fluorescent lights. In metal case. For 110 v., a.c. or d.c. **K12501—Each..... 66¢**



NHI Standard Radio Line Filter

The NHI Standard Radio Line Filter is designed to steady a choppy or rippling line and to filter out power line noises, fluorescent light noises, elevator noises, RF noises, etc. which are superimposed on the line by passing them into the ground. Two iron core chokes filter line ripple. Two RF chokes filter noise. Six by-pass condensers in the circuit. Dimensions: 8x4 1/2 x 4 3/8". Wt. 6 lbs. **K12614—Your Cost. \$4.67**



MALLORY Interference Filters

X-3 Plug-in
Capacitive type for use between set and outlet. Rated 5 amps, at 110-220 volts. For slight interference. 1 1/2 x 2 1/4". **K12510—**
Each..... 67¢



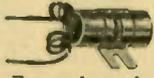
Z-2. Capacitive-inductive. 3 amps. at 110-220 v. 1 1/2 x 2 1/4". **K12511—**
Each..... \$1.04

X-1. For relatively slight interference. Use at radio or appliance cord plug. 1 1/2 x 1 1/4", rated at 110 v., 5 amps. **K12619—Each..... 44¢**

X-5. Triple capacity filter with provision for return lead to appliance. This unit is ideal for use with vacuum cleaners, food mixers, etc. 1 1/2 x 2 1/4", rated at 110-220 volts, 5 amps, with birding post. **K12620—**
Each..... \$1.11

W-7 Motor Type

Dual capacity unit for use on motor brushes or rings. Bracket for mtg. on frame. For moderate interference. 110-220 volts. 2 1/2 x 1 1/2". **K12512—Each..... 67¢**



W-11. Like above, for severe interference. 1 1/2 x 3". **K12513—Each..... \$1.11**

Heavy Duty Filters

LC-5. Inductance-capacity filter for severe interference. Rated 110-220 V., 5 amps. Has cord and plug and receptacle. 2 1/2 x 3 x 3 1/2" high. Case has mtg. flanges. Shpg. wt. 8 lbs. **K12514—Your Cost. \$4.46**

LC-10. Same as above, but rated 110-220 V., 10 amps. **K12515—Each..... \$7.24**



DeLuxe "Plug-In"

Z-6. A dual inductance-capacity filter with provision for return lead to ground. Recommended for suppressing severe interference. Rated 110-220 volts, 3 amps. Use at radio or noise source. 1 1/2 x 3 1/4". **K12516—**
Each..... \$1.56



Z-4. Dual inductance-capacity filter for appliances where return lead from filter is inconvenient. For electric razors, vibrators, household appliances. Use at radio or appliance cord plug. 1 1/2 x 3", 110-220 v., 3 a. **K12621—Each..... \$1.22**

Z-8. With provision for return wire connection to appliance frame rather than ground. Equivalent to box type within 3 amp. rating. **K12623—**
Each..... \$1.56

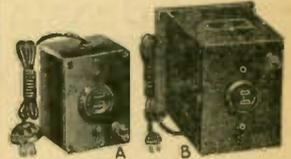
Heavy Duty Type LB Industrial Filters

For use with equipment that is permanently connected to the power line or which draws 10 amps. or more. Contain capacitors and chokes in standard type metal cut-out boxes. Installation is made by cutting the power line as close as practical to the offending device, and inserting the proper LB filter in series with the line at this point. Connections are made by splicing inside the cut-out box. For 110 or 220 volts AC or DC.



No.	Amps.	Size	Wt.	Each
K12517	10	6 x 6 x 4"	12 lbs.	\$10.72
K12518	20	10 x 10 x 6"	18 lbs.	25.01
K12519	40	12 x 10 x 8"	25 lbs.	31.26

ICA "FILTERVOLTS"



Intermediate Model (A)

Eliminates extremely noisy radio reception due to power line disturbances caused by lights, electrical appliances, etc. Can be installed at set or at source of interference. Metal case has receptacle, cord and plug and ground binding post. Capacitive-inductive type. Size: 4 3/8 x 3 3/8 x 1 1/4". Shpg. wt. 2 lbs. **K12507—**
Each..... \$2.65

All-Wave Model (B)

Contains heavy duty R.F. chokes, large filter capacitors and has "PI" filter circuit arrangement. Eliminates noises caused by electric heating pads, irons, toasters, vacuum cleaners, etc. Rated 250 watts, at 32, 110 and 220 volts a.c. or d.c. For use with any all-wave or broadcast receivers. Metal case 5x4 x 4 1/2". Has cord and plug and receptacle. Wt. 5 lbs. **K12508—Your Cost. \$4.41**

Industrial "Quietone"

Model IF-7A
Capacitive-inductive type heavy duty filter for eliminating noise caused by motors, oil burners, diathermy machines, elevators, etc. In steel cut-out box 6x6x4", with knock-outs for BX cable or conduit. For single phase 110-220 volts a.c. or d.c. at 5 amps. Wt. 9 lbs. **K12500—Your Cost. \$6.68**



replacement coils and chokes

MEISSNER "Universal" Iron Core Antenna, R.F. and Osc. Coils

Will replace broadcast band coils in practically any receiver. Will accurately track with other coils in the receiver when properly adjusted. Exact inductance of burned out coil easily matched with screw driver adjustment of the iron core. Will improve gain and selectivity. Oscillator coil can be adjusted from 175 to 520 kc. and used with either cut plate or padding condenser circuits. Black crackle cans $1\frac{1}{2}$ " square, by $2\frac{1}{2}$ " high.

Stock No. Type Each
K10120 Antenna
K10121 R.F.
K10123 Oscillator **\$1.64**

Unshielded Coils

As above but without shield cans.
K10007 Antenna Each
K10008 R.F.
K10009 Oscillator **\$1.02**

PERCO Universal Adjustable Coils



The answer to the problems encountered by the servicier and experimenter with the many variable condenser capacities and curves used in broadcast and shortwave receivers. Each coil, regardless of type, is adjustable throughout the range required to work with any gang condenser and in the case of oscillator coils, with any gang and IF frequency between 175 KC and 465 KC. Litz wound on thin-walled tubing with adjustable iron cores.

Shielded		Unshielded	
No.	Type	Each	No. Type Each
K10000	Ant	\$1.62	K10019 Ant \$1.03
K10001	RF	1.62	K10020 RF 1.03
K10013	Osc.	1.62	K10023 Osc. 1.03

PERCO B.F. Oscillators



Permeability tuned for greatest stability. Adjustable iron core coil for CW beat note reception. Oscillator grid condenser and tank capacitor inside shield. $1\frac{1}{2}$ " x $2\frac{1}{2}$ ". Shield can. K10024—

Your Cost **\$1.29**

PERCO IF X'Formers



High quality, high gain double-tuned transformers. Furnished in $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ " square shield cans. Spade bolt mounting. For most sets.

Input		Output	
No.	Freq.	No.	Each
K10026	175KC	K10033	\$1.12
K10036	455KC	K10037	1.12

PERCO Iron Core IF Transformers



These iron core IF's permit higher gain and increased selectivity. Ideal for perk-up old receivers, farm radios, or new units. $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ " shield cans with spade bolt mounting. High gain units, not recommended for multiple stage amplifiers.

No.	Type	Freq.	Each
K10039	Input	455/6KC	\$1.57
K10044	Output	455/6KC	1.57

MEISSNER Wireless Phono-Osc. Coll



Has knob for frequency adjustment. Instructions and diagram furnished. $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $3\frac{1}{2}$ ".
K10010—Oscillator Coil for Phonos. **\$1.64**
Each

MEISSNER "Cart-Wheel" I.F. Replacement



Same size and style of I.F. transformer as used in most of the midget sets. Trimmer base and supporting dowel made of molded plastic. Accurately wound coils. May be used as input or as output transformer. Designed for 456 kc. operation. For under chassis mounting. Size: $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ".
K10385—Your Cost Each **\$1.02**

MEISSNER "Plastic" I.F. Coils Stable—Compact—Wide Range



A new transformer in which the trimmer base and the coil form (dowel) are moulded in one piece. The use of a special plastic material permits holding dimensions to within .0005". Trimmers "floated" away from the base with an air-gap between the bottom plate and plastic base. Wide range. Compact in size; $1\frac{1}{2}$ " square by $2\frac{1}{2}$ " high. Specially-served Litz wire. Double tuned. Metal shield can. Unaffected by temperature or humidity.

Set at KC	Range KC	Input	Interstage	Output
175	140-200*	K10373	K10374*	K10375
262	200-310	K10376	K10377	K10378
370	305-480	K10379	K10380	K10381
456	400-550	K10382	K10383	K10384

* Note: Range in KC of K10374 is 148-250.
YOUR COST EACH, Any Type..... \$1.02

New Ferrocart (Iron Core) "Plastic" I.F.'s

No.	Type	Set At	Range	Your Cost
K10325	Input	456	380-600	\$1.22
K10326	Output	456	380-600	1.22

MEISSNER Ferrocart I.F. Transformers



For Servicemen who want to "pep up" old radio sets and give them more gain and selectivity than they had when new—also for experimenters who want high-gain I.F. systems with exceptionally good selectivity—Meissner Ferrocart (Iron Core) I.F.'s are just the thing. Double tuned with low-loss trimmers. Accurately made of the best materials and oscilloscope-tested for gain and selectivity. Mounted in $1\frac{1}{2}$ " square by $3\frac{1}{2}$ " high black crackle-finished cans. Leads are RMA-color-coded.

Set at KC	Range KC	Input	Output
175	127-206	K9690	K9688
456	360-600	K9689	K9687

YOUR COST EACH, Any Type..... \$1.64

PERCO Midget IF Transformers



Compact. Only $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ ", equipped with standard spade bolt mounting. Fills need for small components.

No.	Freq.	Type	Each
K10049	175KC	Input	\$0.91
K10050	175KC	Output	.91
K10051	455/6KC	Input	.91
K10052	455/6KC	Output	.91

PERCO Midget Iron Core IFX'formers



Identical in size to the midget air core IF's but higher in gain and with improved selectivity. RMA color coded leads, and heat treated ceramic base capacitors. They are ideal for portable and small communications receivers. $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $2\frac{1}{2}$ " shield can with spade bolt mounting. Matched input and output transformers.

No.	Type	Use	Each
K10053	455/6KC	Input	\$1.29
K10054	455/6KC	Output	1.29

De Luxe Air-Tuned Iron Core I.F. X'formers



High gain Ferrocart (iron core) I.F. transformers tuned with the famous "Align-Aire" air-tuned trimmers. Excellent for communications and other receivers where absolute stability is essential. Dust proof cover. Non-microphonic.

Air trimmers permit 3600 degrees of micrometer smooth tuning. Double tuned. Black crackle finished cans $2\frac{1}{2}$ " x $4\frac{1}{2}$ ".

Stock No.	Set at KC	Type	Freq. Range
K10264	456	Input	
K10265	456	Interstage	415
K10266	456	Output	to
K10267	456	OutputCT	540

Your Cost Each..... \$4.09

MEISSNER FM X'former



A permeability-tuned FM transformer tuned to 10.7 megacycles, designed especially for ultra-high frequencies. In shield can, $1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{1}{2}$ ". Screw type mounting lugs.

K10105—**\$2.20**
Your Cost Each.....

Discriminator X'former Same specifications, frequency as above.

K10111—Discriminator X'former. Your Cost **\$2.94**
Each.....

MEISSNER Osc. Coils



For 190 to 550 meter broadcast band. Used with .000365 mfd. condenser; impregnated. Shielded type is $1\frac{1}{2}$ " high, $1\frac{1}{2}$ " diam. Can be used with any I.F., r.f. and antenna coils. Less padders.

No.	Freq. Kc.	Padder No.	No. Un-Shielded Kc.	Mmfd. shielded
K10029	175	900	K10028	
K10031	456	350	K10030	

Shielded **78¢**
Your Cost Each.....

Unshielded **62¢**
Your Cost Each.....

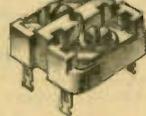
K10104—Same as K10030 but special for 6SA7. **62¢**

PERCO RF Chokes

Designed for lower frequencies. Universal base or stud mounting. Each coil universal wound on ceramic dowels provided with natural bakelite terminal board.

No.	Ind.	Ma. Ohms	Each
K10069	2.5 mh	150	\$0.35
K10070	5.5 mh	150	.35
K10072	10 mh	85	.41
K10074	30 mh	75	193.6
K10075	60 mh	55	374.0

PERCO Trimmers



Dual ceramic type trimmer of highest standards. Mica compression type bronze and spring brass, plated plates.

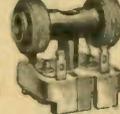
Standard 1" Square

Stock No.	Max. Cap.	Min. Cap.	No. Plates	Your Cost
K10076	85 mmf	60 mmf	2	\$0.29
K10078	185 mmf	120 mmf	3	.32
K10084	200 mmf	170 mmf	3	.32
K10086	350 mmf	275 mmf	4	.35

Midget 1" Square

Stock No.	Max. Cap.	Min. Cap.	No. Plates	Your Cost
K10087	65 mmf	40 mmf	2	\$0.29
K10092	180 mmf	110 mmf	3	.32
K10093	275 mmf	175 mmf	4	.35
K10097	325 mmf	275 mmf	5	.38

PERCO Cartwheel I.F. Transformers



Replacement or original use in tiny receivers. Unit furnished as output IF suitable for feeding into a diode detector. Trimmer base. **\$2.00**
K10098—Each.....

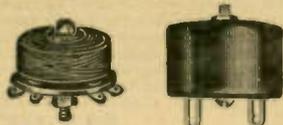
PERCO "Pee Wee" Antenna & RF Coils



For use in ultra-compact midgets, these tiny unshielded Antenna and RF coils are ideal. Banked winding. Best results are obtained with a bracket for mounting. Dia. $\frac{1}{8}$ ".
K10103 Ant. Coil, Each } **41¢**
K10102 RF Coil, Each }

replacement coils and chokes

TRUTEST Shielded & Unshielded R.F. Chokes



All purpose r.f. chokes, available unmounted or housed in crackle finished metal cans 1 1/2" in diam. All universal-wound, accurately rated and factory tested. Thoroughly impregnated—will give long, trouble free service.

Unshielded		Shielded		
Stock No.	Cost Each	Milli-hen.	Stock No.	
K10133	29c	2.5	K10240	54c
K10099	29c	5.5	K10241	54c
K10100	38c	8	K10242	57c
K10101	40c	16	K10243	66c
K10134	44c	30	K10244	71c
K10135	51c	60	K10245	78c
K10136	51c	80	K10246	81c

MILLER Television IF's

Television intermediate frequency transformers designed to provide correct frequency response for the video and sound channels. The sound channel is of medium gain and double tuned. The video channel section is of single tuned wide range type—approximately 3MC band width. Twin unit construction simplifies layout and wiring and permits symmetrical construction. Sound channel frequency is 8.5MC and the video frequency (nominal) is 13MC. The transformers are assembled in twin aluminum shields measuring 1 1/4" wide by 2 1/4" long by 2" high. (This dimension includes one video and one sound transformer.)

Input Transformer

This transformer is used in the plate circuit of mixer tube and through separator circuit to grids of the video and 1st sound channel tubes.

K10162—8.5 & 13MC, Each **\$3.23**

1st Interstage X'former

Connects the plate of the 1st video tube to grid of second and the plate of the 1st sound tube to grid of second tube.

K10163—8.5 & 13MC, Each **\$2.94**

Second Interstage X'former

Connects the plate of 2nd video tube to grid of 3rd video tube and plate of 2nd sound tube to grid of 2nd sound detector tube.

K10164—8.5 & 13MC, Each **\$2.94**

Video Output Transformer

Single tuned transformer used between the plate of 3rd video tube and the video detector and synch-pulse rectifier. Size 1 1/2" square by 2" high.

K10165—13MC, Your Cost **\$1.47**

TRUTEST R.F. Chokes

Four pie wound sections on Isolantite form. 2.5 mh., 1.50 ma., 50 ohms d.c. resistance distributed capacity 1 mmfd.

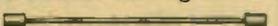
K10106—Each **15c**

K10107—Samebut heavily impregnated. Each **19c**

K10109—2.1 mh., 250 ma. heavy duty choke. Each **23c**

We can supply any Miller and Trutest coils or chokes not listed on this page. Write us, listing your requirements, and the manufacturer's part or stock number if known.

MILLER Tuning Wand



An essential service tool for every servicer. Makes it easy to check for resonance. Consists of insulated flexible rod 1/4" in dia. Brass core at one end, iron at the other. 7/8x6".

K15035—Tuning Wand, Each **73c**

TRUTEST Antenna Coil Primary Windings

Designed to replace defective or burned-out antenna coil primaries. Will fit over the old coil. All high impedance.



No.	Use	Freq. Range	Each
K10116	For 1 1/4" O.D. coils.	25c	
K10117	For 1" O.D. coils.	21c	
K10118	For 3/4" O.D. coils.	21c	
K10119	For 1/2" O.D. coils.	21c	
K10114	For 1/4" O.D. coils.	17c	

Shielded Litz Wound R.F. and Antenna Coils COVERS 175 TO 550 METERS

Will service over 90% of the receivers on the market. Have high-impedance primaries for screen-grid tubes, and Litz-wound secondaries. Completely shielded in round metal cans 1 1/2" diameter, 2 1/4" high. Wound for .000365 mfd. condensers. With diagrams. Two 6-32 spade bolts for mounting.

K10077—Antenna Coil, **58c**

K10085—R.F. Coil. Your Cost, Either Type **58c**

5-TUBE KIT

K10073—Comprises one antenna and two r.f. coils with instructions and diagrams. **\$1.74**

4-TUBE KIT

K10071—Comprises one antenna and one r.f. coil with instructions and diagrams. **\$1.16**

HIGH GAIN I.F. UNITS

Highly efficient design for use where space is limited. Employs dual tuning trimmer on Ceramic base, adjustable from top of shield can. All leads are RMA color-coded for ease of installation. Size of the metal shield can is 1 1/4x1 1/2x3"; threaded lug mounting. Diagram furnished. Primary and secondary windings are single pi-wound.

Freq.	Input	Output	Interstage	Each
456 kc.	K10022	K10034	K10027	69c

A truly excellent, high gain intermediate frequency transformer in both matched input and output units.

PLUG-IN COIL FORMS

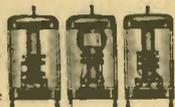
Blank Bakelite forms only, for winding coils to your own spec's. K10060—4 prongs K10061—5 prongs K10062—6 prongs **21c**

Plug-In Coil Kits

Space wound on molded Bakelite forms 1 1/4" in diameter and 2 1/4" high. Have rims for easy handling. Tune with .00014 mfd. condenser.

4-Prongs—2 Winding	4-Prongs—2 Winding
K10040—Kit of 4 coils covering 9 1/2-217 meters. \$1.71	K10041—Broadcast coils. Two coils, 190-550 meters. \$1.65

MILLER Replacement Coils Permeability Tuned



To meet the needs of the servicer and experimenter. The inductance may be adjusted for use with any variable condenser having a maximum capacity between 250 and 450 mfd. The oscillator coil may be adjusted to track with all intermediate frequency amplifiers between 100 and 550 KC. 7/8x2".

No.	Use	Freq. Range	Each
K10150	Ant. Stage	500-1800KC	\$1.09
K10151	RF Stage	500-1800KC	
K10152	Osc Stage	Adjustable	
Shielded			
No.	Use	Freq. Range	Each
K10154	Ant. Stage	500-1800KC	\$1.47
K10156	RF Stage	500-1800KC	
K10157	Osc Stage	Adjustable	

MILLER 3-Band Coils

For use with a 455KC IF amplifier, High-frequency trimmers provided for each band are accessible for adjustment through holes in the side of the shield. All windings thoroughly impregnated for protection under all climatic conditions. Frequency range: Band A—540-1700KC; Band B—1700-5500KC; Band C—5.5-18MC. Dimensions: 2" square by 4 1/4" high.

No. Use Each

K10158—Ant. Stage **\$2.94**

K10159—RF Stage **2.94**

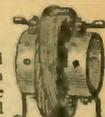
K10160—Osc. Stage (455KC) **2.94**

Tapped Oscillator Coil (for 6SA7 and similar tubes) **\$2.94**

K10161—Osc. Stage (455KC) **2.94**

Oscillator series pads—.0004, .0016, .005 mfd.

MILLER Line Filters



Duo-lateral wound chokes combine a small physical size with low distributed capacity. Particularly recommended and well adapted for amateurs and technicians who construct their own filters.

No.	Amps	Ohms	Ind. Size	Each
K10140	2.75	.600mh	1 1/2x1 3/4"	\$0.73
K10141	5.28	.570mh	2 1/2x4"	2.03
K10142	10.15	.370mh	2 1/2x4"	2.56
K10143	20.085	.200mh	2 1/2x4"	2.94

GIANT Coil Forms

Low-loss amber, ribbed for air-spaced winding. Have knurled flange for easy handling, and groove for wave-band index. 2 1/2" in diameter, 3 1/2" high, 3 1/4" winding space; eight ribs.



RIBBED FORMS	59c Each
K14385 4 Prongs	
K14386 5 Prongs	62c Each
K14387 6 Prongs	65c Each

Medium Coil Forms

As above, but unribbed and 1 1/2" diameter, 3 1/2" high. Bakelite.

K9630—4 Prong **35c**

K9631—5 Prong **35c**

K9632—6 Prong **38c**

MILLER Scratch Filter

Designed to reduce phono scratch from any type of high-impedance pickup. The resonant frequency of the filter is adjustable to any point between 2000 and 3000 cycles. Attenuation is approximately 22db. The filter is attached to the chassis by means of two 6/32 spade bolts. 2" sq. by 3" high. Aluminum shield.

K10139—Scratch Filter. Your Cost **\$2.94**



TRUTEST Litz-Wound AC-DC Coils

175-550 Meters. Matched high-gain coils furnished unshielded for use in t.r.f. receivers.

High impedance primaries with 4-bank Litz-wound secondaries. 2 1/4" long, 3/8" diameter. Tunes with .000365 mfd., condenser. With mounting brackets and diagrams.

K10095—R.F. Coil. **30c**

Your Cost Each **30c**

K10096—Set of 2 **59c**

Your Cost **59c**



MILLER Hash Filters

A filter consisting of two high-inductance duo-lateral wound RF chokes assembled in an aluminum shield.

Maximum safe continuous current capacity is 200 ma. 1 1/2"x2". K10138—750 V choke **73c**



DeLuxe Midget Ant. and R. F. Coils

High quality compact coils for Broadcast band coverage with a 365 mmd. condenser. Same overall gain as large coils, 4 bank Litz wire windings, high impedance primaries. Black crackle cans 1 1/2x1 1/2x2". K10046—Ant. Coil **62c**

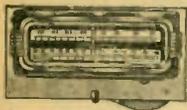
K10047—R.F. Coil **62c**



We Will Not Knowingly Be Undersold

dials and dial cables

Modern Slide-Rule Dials



New style slide rule dials. Accommodate both $\frac{1}{4}$ and $\frac{3}{8}$ " shafts. Universal scale, with broadcast kc. and Shortwave mc. Complete with light sockets, antique finish escutcheon and unbreakable crystal.



Type A. Requires panel opening $1\frac{1}{4} \times 5\frac{1}{4}$ ". Ratio 7-1 over 180°. Escutcheon size $2\frac{1}{4} \times 6\frac{1}{4}$ ".
K9811—For Cond. Closing Right.
K9812—For Cond. Closing Left.
Your Cost, Either Type, \$1.71

Type B. Requires opening $1\frac{3}{4} \times 3\frac{3}{4}$ ". Mtg. holes in front plate. Escutcheon size $2\frac{1}{2} \times 4\frac{1}{4}$ ".
K9816—For Cond. Closing Right.
K9817—For Cond. Closing Left.
Your Cost, Either Type, \$1.44

Special Slide-Rule Dials



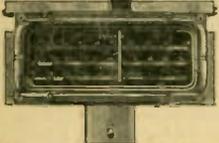
Two new-style slide rule dials. Accommodate both $\frac{1}{4}$ and $\frac{3}{8}$ " shafts. Universal scale with broadcast kc. and shortwave mc., in addition to 0 to 100 markings on the bottom scale. Complete with light sockets, antique finish escutcheon and unbreakable crystal.



Type A. Requires panel opening $3\frac{1}{4} \times 7\frac{3}{4}$ ". Ratio 12-1, over 180°.
K9815—For Cond. Closing Right.
K9829—For Cond. Closing Left.
Your Cost, Either Type, \$4.26

Type B. Requires opening $1\frac{3}{4} \times 7\frac{1}{4}$ ". Mtg. holes in front plate. Croglas crystal in escutcheon.
K9845—For Cond. Closing Right.
K9846—For Cond. Closing Left.
Your Cost, Either Type, \$3.53

6 1/2" Slide Rule Dial



Beautiful Pyralin scale calibrated from 550 to 1800 kc., 6.0 to 15 mc. Panel opening $5\frac{1}{2} \times 2"$. Ratio 9 to 1. Hub takes $\frac{1}{4}$ " or $\frac{3}{8}$ " shafts. $\frac{1}{2}$ " diam. knob shaft. With escutcheon ($3\frac{1}{2} \times 6\frac{3}{4}$ ") and crystal. 2 pilot light sockets. Shpg. wt. 3 lbs.
K9807—For Cond. Closing Right.
K9808—For Cond. Closing Left.

Either Type, Each, \$3.12

G C Dial Cord Dressing Stick

A new easy way to treat dial cords on slipping mechanisms or loose dial cords. Just rub the stick on the cord and the job is done. Prevents & stops cords from slipping. Simple, easy to use, long-lasting and extremely effective in the average case.

K15318—**Your Cost, Each, \$1.25**

Two-Speed Planetary Drive Unit

Auxiliary speed reducer fits on condenser shaft back of panel, or on dial knob shaft. Ratios 5 to 1 and 1 to 1. Fits any $\frac{1}{4}$ " round shaft.
K9887—Each, \$2.94
Knobs For Above: Set of 2. Large for high speed shaft, small for slow speed. Black.
K9888—Per Pair, \$5.95

Dial Spring Assortment

Box contains six different sizes of dial drive tension springs. 25 springs in all. Shpg. wt. 1 lb.
K9892—Per Kit, \$6.50
K9875—100 Springs, Per Kit, \$2.25

J F D Big Four Servicer's Basic Kit



Four basic kits in 1 package. Excellent for those who are starting their own business or for the established radioman who wants to save time and energy. These four popular JFD kits have everything needed for 25% of all servicing work. **Kit contains:** 1-B25A Belt Kit. Assortment of 25 dial belts in a metal container. Includes FREE 64-page JFD Servicer's Manual, listing belts for more than 1500 set models. **Also contains:** 5C25 Dial Cable and Cord Rack. 5 Metal spools of fast-moving dial cables and cords. **The 770 Ballast Kit.** Five JFD Improved Air-Cooled AC-DC Adjustable Ballasts. Suitable for more than 95% of all the ballast tube replacements. **And the kit includes:** BP-100-MC Plug Assortment. 100 radio battery plugs in 25 different popular types. Sturdy metal container. **FREE Battery Plug Folder** with data and schematics for all plugs. **List Value \$33.35.**
K9795—Big Four Kit, \$17.64

Special Gear Reduction Unit

Can be attached to any variable condenser not equipped with a reduction drive. Ratio 6 to 1. Has $\frac{1}{4}$ " drive shaft with a set screw. Equipped with an anti-backlash spring. With this unit, any direct vernier or low-ratio dial can be turned into a mathematically precise tuner.
K9621—For $\frac{1}{4}$ " shafts.
Your Cost Each, \$9.95

Phosphor Bronze Dial Cable

Maximum strength. 16 strand type closely braided. 42 strand type consists of seven, 6 strand cables wound over linen core.

No.	Strands	Feet	Each
K9933	42	5	50.21
K9934	42	25	.74
K9935	42	50	1.45
K9872	42	100	2.58
K9936	16	5	.11
K9937	16	25	.55
K9938	16	50	.97
K9881	16	100	1.85

Linen Dial Cable

All types are of black woven linen exactly as used in most receivers. High tensile strength.

Special Thin Cable

K9889	25 ft.	\$0.48
K9929	50 ft.	.90
K9930	100 ft.	1.68

Light Cable (approx. 1/8" diam.)

K9942	5 ft.	.20
K9943	25 ft.	.74
K9944	100 ft.	2.58

Heavy Cable (approx. 1/4" diam.)

K9939	5 ft.	.21
K9940	25 ft.	.83
K9941	50 ft.	1.61
K9882	100 ft.	2.90

Dial Cable "Thrifty Spool"

Economical and practical. Handy three-section spool contains 15 feet each of phosphor bronze cable, medium linen cord, and special thin cord (total of 45 feet in all). Wt. 1 lb.
K9879—Your Cost Each, \$1.07

J F D Servicer's Bench Racks



An assortment of five different types of cable and cord used for every radio purpose and in the handy spool system. All are of braided nylon non-stretch cord with cotton or glass fibre cores. Each spool is packed in a weather-resistant, moisture-proof container. All spools come in 100-foot lengths. Simple to handle, long lasting. You pay only for the cable. The rack is FREE!

K9793—Servicer's Rack
Your Cost Each, \$11.75



Special Offer. Servicer's Bench Rack. An assortment of five different types of cable and cord used for every radio purpose and in the handy spool system. Each one wound on a conveniently handy spool. Rack size $8\frac{1}{2} \times 10\frac{1}{2}$ ". 5 metal spools 25 ft. each: 1-901D, 1-903, 1-904, 1-906, 1-908, (total list price \$6.13). You pay only for the cable. The rack is FREE!
K9794—Special Offer
Your Cost, \$3.60

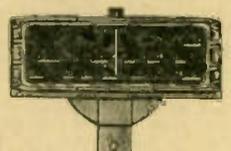
J F D Woven Fabric Dial Belt Kit



Assortment of 25 fabric belts which will replace those used on a great number of dials of popular radios. The assortment is housed in a handy enameled steel case and is furnished with a measuring chart. **FREE**—80 page book on replacement belts and ballasts included!
K9832—Shpg. wt. 2 lbs.
Your Cost, Per Kit, \$3.94

K9831—Kit of 50 Belts, \$ 7.88
K9830—Kit of 100 Belts, 14.70
 We can supply dial belts for all radios. Specify make and model.
K9809—Individual dial belts. **Your Cost Each, 15c**

Giant 11" Dial



Panel opening: $9\frac{1}{2} \times 2\frac{1}{4}$ ". Scale: 550 to 1700 kc., 5.5 to 18 mc. and 1.6 to 5.0 mc. Hub takes $\frac{1}{4}$ " or $\frac{3}{8}$ " shafts. $\frac{1}{2}$ " knob shaft. Ratio 9 to 1. With bronze escutcheon and crystal. 2 pilot light sockets. Shpg. wt. 4 lbs.
K9809—For Cond. Closing Right.
K9810—For Cond. Closing Left.

Either Type, Each, \$4.50

G C Radio Dial Oil

A special oil for lubricating dial mechanisms. Treated with graphite to assure protective lubrication. An excellent oil for the newer type of complicated dials. Put up in a 4-oz. jar with a brush mounted into the cover. Simple, easy, effective to use.

K15317—4-oz. jar
Your Cost, \$1.50

Precision Vernier Dials

Have etched calibrations graduated from zero to 100. Large flanged knob has bushing for $\frac{1}{4}$ " knob shafts. Shpg. wt. 1 lb. An excellent dial for all precision purposes or as calibration dials.

Stock No.	Diam. Ins.	Degrees Rotation	Your Cost
K14236	4"	325	\$1.62
K14237	2 3/4"	325	1.23
K14238	4"	180	1.62
K14239	2 3/4"	180	1.23

G C Dial Drive Cements

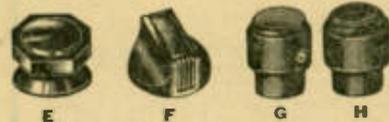
Specially prepared for fastening rubber dial drives to metal shafts, rubber mountings to chassis, or for cementing any rubber material to metal.

No.	Quantity	Each
K15314	1/2 oz.	12c
K15315	1 oz.	25c
K15316	2 oz.	29c

knobs, variable condensers & accessories

Walnut Bakelite Knobs

Molded and polished bakelite knobs for 1/4" shafts. All are set screw type except those marked with * (are push-button knobs).



Type	Stock No.	Dia. In.	Cost Each	10 For
C	K9736	3/4"	5c	40c
C	K9737	1 1/4"	8c	72c
D	K9660	1 1/4"	9c	81c
E	K9657	1 1/4"	3c	25c
F	K9655	1 1/4"		
G*	K9661	1 1/4"		
H*	K9696	1 1/4"		

Flexible 1/4" Shaft Coupler

For use in coupling two 1/4" shafts or for extending a shaft at an off-set angle. Insulated.
K9751—Bakelite Your Cost Each... 32c
K9750—Ceramic, Each... 47c



Panel Bearing Assembly

For use with rigid or flexible coupling when mtg. volume controls, condensers etc., back from panel. For up to 1/2" panels.
K9563—3" long. 1/2" Shaft, Each... 29c
K9562—6" long. 1/2" Shaft, Each... 35c
K9564—Bearing only, Each... 12c



Radio Knob Felts

For use behind radio knobs to prevent rubbing and scratching of cabinets. Kit contains 45 felts. This handy item should be included in every serviceman's kit.
K14797—Your Cost... 24c



G-C Knob Spring Kit



Knob springs for all types of knobs. 20 assorted, in envelope.
K9802—Your Cost... 24c

G-C Snap Button Hole Plugs



Fits any material to 1/8" thick.
K14712—10 assorted plugs Your Cost... 24c

G-C Snap-in Trimounts



Trimounts used in place of screws to fasten dials, built-in aeriels, speakers, other parts.
K14714—30 assorted Trimounts. Your Cost... 24c

G-C Hexagon Key Wrenches

Essential key wrenches for every repair man. Made of special steel, properly hardened. For knobs, dials, motors, pulleys, etc. No. 4 to 1/2" set screws and No. 2 to 8 cap. wrenches.
K14719—envelope, 5 wrenches. Your Cost... 24c



G-C Dial Cable Clips

Use on dial drive cord assemblies for all types of dial cables.
K9920—envelope, 50 clips Your Cost... 24c



Shaft Couplings and Bushings



For coupling controls, condensers, etc.
 Size Fig. Purpose Insul. Brass Stock No.
 Inches No. 10 For
 1/4 x 1/4" A Coupling K15014 K15000
 3/8 x 3/8" A Coupling K15006 K15001
 1/2 x 1/2" A Coupling K15008 K15002
 3/4 x 3/4" A Coupling K15017 K15004
 1/2 x 1/2" B Extender K15018 K15005
 3/8 x 3/8" B Extender K15009 K15003
 10 For \$1.08
Your Cost Each, Any Type... 12c

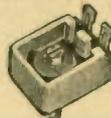
SPLIT BUSHING
 Fig. C. For increasing shaft diam. from 1/4" to 10/16". Brass, 1/2" long
K9730—Your Cost Each... 6c

Brass and Fibre Shaftings

Fine for extensions. 1/4" diameter.
 Each Each
K15010—6" Brass 12c K15012—12" Brass... 23c
K15011—6" Fibre K15013—12" Fibre...

Ceramic Trimmers and Padders

These ceramic trimmers and padders are very compact and useful for all purposes. Sizes from 25-100 to 225-650 mmfd. are 3/8 x 1 1/2"; others 1 x 1 1/4".



No.	Mmfd.	Each	No.	Mmfd.	Each
K10173	25-100	26c	K10179	325-1000	42c
K10174	75-225	27c	K10180	400-1200	44c
K10175	125-350	30c	K10181	500-1400	47c
K10176	175-500	32c	K10182	600-1600	49c
K10177	225-650	35c	K10183	700-1800	54c
K10178	275-825	39c			

DUAL SECTIONS—1 1/4" Square

K10186 20-90† 32c K10188 100-300† 36c
K10187 50-180† 38c †Cap. Per Section.

Midget Trimmers

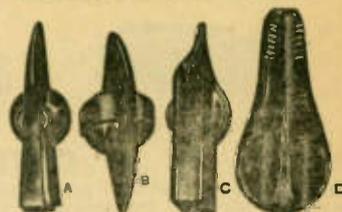
Compact trimmers for all purposes. Each is 3-30 mmfd.



No.	Insulation	Each	10 For
K9775	Bakelite	7c	62c
K9777	Ceramic	13c	\$1.17
K9776*	Ceramic	24c	\$2.16

*—Dual unit, each section 3-30 mmfd.

Pointer and Lever Knobs



Polished bakelite. All have filled pointers except "D" (has ridged top). For 1/4" shafts.
 No. Lath. Ht. Type Each 10 For
K13027 2 1/4" 5 1/2" (A) Black 11c 99c
K13028 1 1/2" 5 1/2" (A) Black 8c 72c
K13029 2 1/4" 5 1/2" (B) Black 11c 99c
K13055 2 1/4" 5 1/2" (C) Black 7c 59c
K13052 2 1/4" 5 1/2" (C) Red 8c 75c
K13053 1 1/2" 5 1/2" (C) Black 5c 45c
K13024 1 1/2" 5 1/2" (C) Red 7c 65c
K9650 1 1/2" 5 1/2" (D) Black 8c 72c
K9651 2 1/2" 5 1/2" (D) Black 8c 75c

Bakelite Knobs

Brown bakelite set screw knobs for 1/4" diameter shafts.
K9782—3/8" diam. x 3/4" high
K9783—1/2" diam. x 3/4" high
K9784—1 1/4" diam. x 3/4" high
Your Cost, Each... 6c
 10 for (assorted if specified) 45c
 100 for (assorted if specified) \$3.95

JOHNSON Handle Indicator

Highly attractive, low in cost. Solid molded bakelite. Will enhance any equipment. Fits 1/4" diam. shaft and has 4" scale.
K13015—Your Cost... 59c



G-C Non-Slip Liquid Dial Drive Compound

For radio drive cables and belts. A penetrating and fast drying liquid dressing. This compound has the special property of shrinking fibres, which prolongs the life of cables and belts, and prevents slipping.
K9914—1/2 oz. bottle. Your Cost... 12c



G-C Tension Springs



Used for dial drives, condensers, phono turntable motors, etc.
Large Spring Assortment K9905—envelope, 10 springs. Your Cost... 24c
Small Spring Assortment K9913—envelope, 10 springs. Your Cost... 24c

G-C Tack Bumpers

Used on the bottoms of radios and appliances to protect against scratching.
K15033—18 in envelope Your Cost... 24c



NHI Feltex Kit

Easy, extra profits for servicemen. Apply brand new FELTEX finish on your customer's turntable in a few minutes with an NHI Feltex Finishing Kit. Feltex can be used to dress up midget radio cabinets, lamp bases, electric iron handles, vacuum cleaner parts and handles, etc. FELTEX scratched pick-up arms, entire phono-compartment, shop-scratched service parts. Here's what you get: 18" FELTEX gun, #1 antique brown FELTEX, #1 antique brown FELTEX adhesive, sturdy bristle brush, and an instruction sheet.
K15034—Your Cost... \$3.38



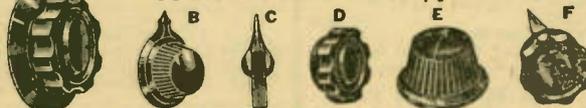
G-C Radio Service Cement

Outstanding cement for speaker and radio work. Especially suitable for cementing replacement cones and repairing rattling and torn cones. Also used on glass, to seal adjustments, hold wires in place, etc. Dependable, vibration-proof, waterproof, and fast-drying. Applicator supplied.
K15310—2 oz. size Your Cost... 29c
K15311—8 oz. size Your Cost... 94c
K15312—1 pt. size Your Cost... \$1.76



New Type Wide Mouth Bottle

X'mitter Knobs For 1/4" Shafts



All black bakelite (except * which are black laquered wood).
 No. Type Size Each 10 For No. Type Size Each 10 For
K13022 A 1 1/2" d. 41c \$3.69 K13014 D 1 1/2" d. 21c \$1.89
K13018 A* 1 1/2" d. 12c 1.03 K13005 D 1 1/2" d. 27c 2.43
K13004 A 1 1/2" d. 44c 3.96 K13013 D 1 1/2" d. 33c 2.97
K13017 A* 2 1/4" d. 16c 1.44 K13012 D 2 1/4" d. 41c 3.69
K13011 A 2 1/4" d. 44c 3.96 K9885 E 1 1/2" d. 11c 99c
K13010 A 3" d. 48c 4.32 K9886 E 1 1/2" d. 13c 1.17
K9896 B 1 1/2" d. 24c 2.16 K13007 F 1 1/2" d. 32c 2.88
K13053 C 1 1/4" l. 5c .45 K13008 F 1 1/2" d. 41c 3.70
K13055 C 2 1/4" l. 7c .59 K13009 F 2 1/4" d. 45c 4.15

TRUTEST 2 Gang Compact

Compact 2 gang condenser normally used in midgets. With trimmers. 2 1/2 x 1 1/4 x 1 1/8". Counter clockwise.
K9739—.000365 Superhet. \$1.29
Your Cost... 24c



G-C Contact and Crystal Cleaner

Specially prepared for cleaning contacts and crystals. Cleans easily and will not injure delicate parts, crystals, etc. "Hams" and Radio Men will appreciate this item.
K15297—1/2 oz. bottle Your Cost... 12c



G-C Compression Spring Assortment

K15298—20 Large springs, asst. Your Cost... 24c
K15299—20 Small springs, asst. Your Cost... 24c



We Will Not Knowingly Be Undersold

all purpose switches



CUTLER-HAMMER Appliance Switches

The listing below represents popular types of appliance switches selected to meet the requirements of repair shops, service men, industrials and laboratories. Cutler-Hammer switches are approved by the Underwriters Laboratories. Switches only may be purchased in any assortment in order to obtain quantity prices. Extraordinary savings are possible through quantity purchase.

Stock No.	C-H No.	Type	Fig.	Poles	Bushing D-L	Rating V-A	Your Cost Each	Quant. 2-9 Each	Quant. 10-20 Each	Quant. 21-40 Each	Quant. 41-99 Each	Quant. Per 100 100-999	Quant. Per 100 1000-4999
K12841	8303K1	Slide	1	S.P.S.T.	*	125-6	\$0.80	\$0.56	\$0.48	\$0.44	\$0.40	\$35.70	\$28.80
K12836	8280K16	Toggle	2	S.P.S.T.	1 1/2" x 1 1/2"	250-3	.40	.28	.24	.22	.20	19.25	15.80
K12834	8282K14	Toggle	2	S.P.D.T.	1 1/2" x 1 1/2"	250-1	.50	.35	.30	.28	.25	22.70	19.25
K12833	8363K7	Toggle	2	D.P.D.T.	1 1/2" x 1 1/2"	250-3	.95	.67	.57	.52	.48	35.15	31.70
K12817	8360K7	Toggle	2	D.P.S.T.	1 1/2" x 1 1/2"	250-3	.90	.63	.54	.50	.45	32.90	29.45
K12813	7321K3	Toggle	3	S.P.S.T.	1 1/2" x 1 1/2"	250-6	1.00	.70	.60	.55	.50	39.85	32.70
K12814	7320K3	Toggle	3	D.P.S.T.	1 1/2" x 1 1/2"	250-6	1.05	.74	.63	.58	.53	41.20	35.05
K12815	7361K5	Toggle	3	S.P.S.T.	1 1/2" x 1 1/2"	250-10	1.60	1.12	.96	.88	.80	55.60	52.35
K12816	7360K8	Toggle	3	D.P.S.T.	1 1/2" x 1 1/2"	250-10	1.75	1.23	1.05	.96	.88	58.90	55.60
K12837	8097K3	Toggle	4	S.P.S.T.	1 1/2" x 1 1/2"	125-75	.50	.35	.30	.28	.25	21.75	15.80
K12831	7131K1	Toggle	5	S.P.S.T.	1 1/2" x 1 1/2"	125-3	1.75	1.23	1.05	.96	.88	71.40	47.60
K12832	7140K6	Toggle	5	S.P.D.T.	1 1/2" x 1 1/2"	125-3	.45	.32	.27	.25	.23	20.55	17.00
K12818	827-28F3		6				.06 1/2	.04 1/2	.04	.03 1/2	.03	2.60	1.20

* Requires hole 1/4" x 1 1/2".

Porcelain Base Knife Switches



Especially suitable for aerial and ground. Copper contacts and blades.

Stock No.	Type	Your Cost
K16820	S.P.S.T.	14c
K16821	S.P.D.T.	17c
K16822	D.P.S.T.	29c
K16823	D.P.D.T.	31c
K16825	3-P.D.T.	55c

Canopy Switch



Rotary type, composition top. Very shallow. Wire leads. Rated 6 amp. at 125 volts.

K13342 Each **14c**

10 For... \$1.26

CENTRALAB "Positive" & "Spring Return" Switches



Lever Action. Each switch supplied with knob. Plates available for mounting singly or in groups up to five.

Shunting Type No.	Poles	Non-Shorting Type Action No.	Your Cost
K12825	2	3 Positive	K12799
K12826	2	3 Spring	K12800
K12801	4	2 Spring	K12802
K12804	4	2 Positive	K12803
K12805	2	3 Pos. & Spr.	K12806

Any Type Above, Each **59c**

Mounting Plates

Black crackle finished steel.

No.	Gangs	Dimen.	Each
K12794	1	2 1/2" x 3 1/2"	12c
K12795	2	1 1/2" x 3 1/2"	18c
K12796	3	2 1/2" x 1 1/2"	21c
K12797	4	3" x 2 1/2"	26c
K12798	5	3 1/2" x 3"	29c

Precision Switches



Light pressure, quick action precision units. Require only 4 oz. pressure

and .001" of movement to operate. Underwriters approved. Rated 15 amps. at 125 volts a.c.; 1/2 H.P. inductive loads at 125-460 v. a.c. Bakelite case 1 1/2" x 1 1/2" x 1 1/4" high. Screw terminals with lugs. Used for sorters, counters, float controls, etc.

No.	Type	Normal	Each
K12725	S.P.S.T.	Closed	90c
K12726	S.P.S.T.	Open	
K12727	S.P.D.T.		\$1.08



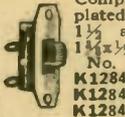
CENTRALAB Tone Switches

Rotary Action. All are shorting type. have 1/4" dia. bushing with 1/4" insulated steel shaft, 2 1/4" long. Noknobs or plates.

Stock No.	Description	Each
K12768*	S.P. 2 pos.	29c
K12769*	S.P. 3 pos.	29c
K12770*	D.P. 2 pos.	35c
K12820*	D.P. 3 pos.	44c
K12771†	S.P. 2 pos.	38c
K12772†	D.P. 2 pos.	44c
K12773†	4 P. 2 pos.	59c

* Pos. Action. † Spring Return

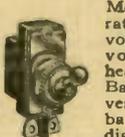
Slide Lever Switches



Compact type with silver plated contacts. Rated 1 1/2 amps. at 110 v. 1 1/2" x 1 1/2"; centers 1 1/2".

No.	Type	Each
K12842	S.P.S.T.	20c
K12843	S.P.D.T.	21c
K12844	D.P.S.T.	22c

Thru-test Toggle Switch

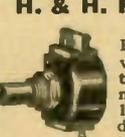


Medium duty switch rated at 6 amps, 125 volts and 3 amps 250 volts. SPST with heavy lug terminals. Ball type switch lever is used. The barrel is 15/32" in diameter and length. Complete with hardware, 1 ring and 1 hex nut.

K12849 Your Cost Each **26c**

In quantity... 10 for \$2.45

H. & H. Rotary Panel Switches

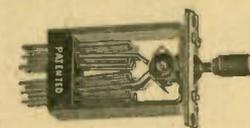


Rated 3 amps., 125 volts. Approved type, with locknuts. Shaft extends 1". Bushing 1/2" in diameter. With lug terminals.

No.	Type	Each	10 for
K12779	S.P.S.T.	23c	\$2.07
K12693	S.P.D.T.	26c	2.34
K12780	S.P.S.T.*	29c	2.61
K12781	D.P.S.T.	42c	3.78
K12782	D.P.S.T.*	48c	4.32
K12783	D.P.D.T.	45c	4.05
K12784	D.P.D.T.*	49c	4.41

* Bushing extends 1". Others, 3/4".

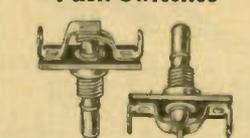
FEDERAL Anti-Capacity Switches



Springs are silver plated phosphor-bronze for good conductivity. Roller type cam provides easy, smooth lever action. Capacity between elements is minimum.

Stock No.	Type	Your Cost
K12852	1427 DPST	\$1.80
K12851	1425 DPDT	
K12850	1424 4PDT	\$2.10

Centralab Momentary Push Switches



For many light duty applications such as meter insertion, test equipment, etc. Rated 1 amp. at 110 v. a.c. Silvered contacts. Insulated 1/4" bushing, 1/2" long. Button extends 1/2" from end of bushing. Available with contacts normally closed or open.

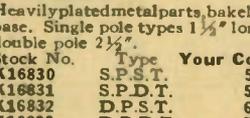
K12867—Momentary closed
K12862—Momentary open

Either Type, Each... **29c**



"Phone-Radio Plate" Etched metal and black. 1 1/4" diam. K9899—Each... **9c**

Bakelite Knife Switches



Heavily plated metal parts, bakelite base. Single pole types 1 1/2" long; double pole 2 1/2".

Stock No.	Type	Your Cost
K16830	S.P.S.T.	50c
K16831	S.P.D.T.	59c
K16832	D.P.S.T.	68c
K16833	D.P.D.T.	79c
K16834	3-P.S.T.	1.09
K16835	3-P.D.T.	1.18
K16836	4-P.S.T.	1.47
K16837	4-P.D.T.	1.76

CENTRALAB Switch Sections

Bakelite and steatite standard sections of various switching combinations.

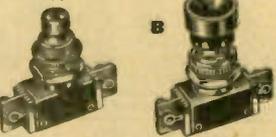
Stock No.	Type	Poles	Positions	Contact	Each
K8759	A	1	6	Sb.	24c
K8760	B	1	11	Sb.	32c
K8763	C	2	5	Sb.	38c
K8764	D	3	3	Sb.	44c
K8769	E	4	2	Sb.	50c
K8770	F*	1	5	Sb.	35c
K8771	G†	1	10	Sb.	44c
K8772	H	1	6	N.S.	24c
K8773	J	1	11	N.S.	32c
K8776	K	2	5	N.S.	38c
K8777	L	3	3	N.S.	44c
K8778	M	4	2	N.S.	50c
K8780	N	Use together in			29c
K8782	P	Resistance Decade			29c
K8783	Q	Condenser Decade			35c
K8784	R†	2	5	Sb.	59c
K8788	St	3	3	Sb.	59c
K8791	EE	4	3	Sb.	73c

* Unused contacts shorted out on one side of common.
† All unused contacts shorted out.
‡ Steatite insulation.

Index with Hardware

No.	Description	Type	Each
K8792	To assemble 1 or 2 gang	K-121	32c
K8793	To assemble 3 or 4 gang	K-122	44c
K8794	To assemble 5 or 6 gang	K-123	56c

H & H Two Circuit Push Switches



In normal position, with plunger out, one circuit is "on", and the other "off". When plunger is depressed, circuits are reversed. Slow make, quick break momentary contacts. Rated 75 watts at 125 v. a.c. Bushing 1 1/4" dia., 1/2" long.

METAL PLUNGER (A)
K12774—Red. Ea. **35c** 10 For \$3.15

BAKELITE TIP (A)
K12777—Red. Ea. **37c** 10 For \$3.33

BAKELITE BUTTON (B)
K12775—Red. Ea. **42c** 10 For \$3.78

AMPHENOL Above Chassis Sockets



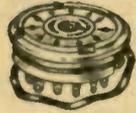
Chassis type bakelite socket, in aluminum shell. 1 1/4" above sub-panel. Has 4 knock-outs for leads, plus flange for mounting. Ideal for mounting on breadboard radios, etc.

No.	Prongs	No.	Prongs
K13100	4	K13103	7 S
K13101	5	K13104	7 L
K13102	6		

Any Type Above, Your Cost Each..... **15c**

K13105-7 L.&S. K13106-8 Oct. Either Type Above, Your Cost Each..... **17c**

K13110—ACS8L Loktal Socket..... **19c**



Magnal Steatite Socket

An eleven contact socket made of steatite as shown. Has 1 1/4" pin circle to accept magnal 11-prong bases as found on many popular cathode ray and television tubes. Has an octal locating keyway. Complete with ring. Mounts in a 1 1/2" hole. **K13108—71c**



Miniature Polystyrene Socket

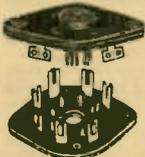
An ultra-low-loss socket for 7-prong miniature tubes. Complete with mounting ring, which grips socket firmly through chassis. **K13109—25c**

"Eye" Tuning Indicator



For installation in any set having AVC. 6-prong type requires 6E5 or 6G5 tube for 6.3V. sets; 2E5 for 2.5V. sets. 8-prong type requires a 6AD6G or 6AF6G. **K11480-6-prong K12645-8-prong Less tube, Each..... 89c**
K11481—Extra bezel..... 21c
K11489—8-prong socket for C-R tubes. Less tube..... 71c

Wafer Sockets



Sturdily constructed of laminated bakelite. Heavily-plated, self-aligning, floating one-piece contacts. Have 1 1/2" centers.

Stk. No.	Prongs	Each	10 For
K13114	4	6c	54c
K13115	5	6 1/2c	59c
K13121	6	8c	72c
K13122	7 small	8c	72c
K13125	7 large	8c	72c
K13127	octal	6 1/2c	59c

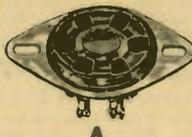
New Wafer Loktal

1 1/2" Mtg. Centers. Each 10 For **K13075—8 prong. 6c 55c**

"Miniature" Wafer

(3/8" dia.) 7-pin type. Mtg. center, 1/8". **K13097—Each..... 8c**
 10 For..... **72c**

AMPHENOL Standard Tube Sockets



Type "A" is designed for general replacement work and has a steel adapter plate to fit mounting centers from 1 1/2" to 1 3/4". Type "B" is for new work and requires only a single 1 1/2" hole, being held in place with a retaining ring, unusually easy to mount. Both types available in Bakelite and Steatite, Steatite being especially desirable for transmitters, high power amplifiers, etc. 9 and 11 prong sockets are for Amphenol connectors. 7C sockets fit small and large base tubes.



No. Prongs		Bakelite "A" Ea.		Bakelite "B" Ea.		Steatite "A" Ea.	
No.	Prongs	Stock No.	Ea.	Stock No.	Ea.	Stock No.	Ea.
4		K13057	8c	K13207	7 1/2c	K13194	28c
5		K13058	8c	K13208	7 1/2c	K13195	28c
6		K13059	8c	K13209	7 1/2c	K13196	28c
7S		K13061	8c	K13210	7 1/2c	K13197	28c
7L		K13060	8c	K13211	7 1/2c	K13198	36c
7C		K13056	10 1/2c	K13237	10c		
8		K13050	10 1/2c	K13212	10c	K13199	28c
9		K13041	13c	K13213	12c		
11		K13042	18c	K13214	17c		

Amphenol Miniature Tube Sockets

For the New RCA, Hytron, Raytheon and Cetron Baby Tubes

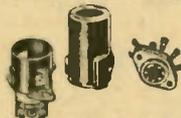


For the new miniature tubes of all makes for use in hearing aids, pocket radios, remote controls, measuring devices, etc. All mounting holes 3/8" except Raytheon (1/2"). Correct retainer ring supplied with socket.

For RCA Tubes		For Raytheon Tubes	
Designed for	Stock No.	Designed for	Stock No.
1S4, 1S5, 1T4 and 1R5.	K13173—Black Bakelite. 12 1/2c	CK501, CK502, CK503, CK504.	K11598—Bl. Bakelite. 12 1/2c
K13172—As above, but of molded polystyrene for UHF work. Each..... 25c			

For Hytron Tubes		For Photo Cells	
Designed for	Stock No.	Designed for	Stock No.
HY113, HY115, HY125.	K12702—Bl. Bakelite. 12 1/2c	RCA Pee-Wee and Cetron CE-5BB, CE-20 photo-cells.	K11599—Black Bakelite. 10c

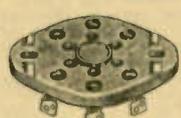
JOHNSON Miniature Sockets



Sockets for 9000, miniature series. Shield caps available in two sizes. Equipped with inner spring to hold tube firmly.

K13116—Ceramic..... 29c	
K13117—With shield base..... 47c	
K13118—Shield base only..... 9c	
K13119—1 1/2" shield..... 12c	
K13120—1 1/4" shield..... 12c	

Ceramic Sockets



Low loss. Top and sides glazed. Re-enforced springs. 2 1/2" long, 1 1/2" wide. Centers 1 1/4".

No.	Prongs	Each	10 For
K13064	4	29c	\$2.61
K13065	5	29c	2.61
K13066	6	32c	2.88
K13067	7s	35c	3.15
K13068	8 octal	38c	3.42

NATIONAL "CIR" Sockets



These low-loss insulating sockets can be locked in a metal flange.

No.	Prongs	No.	Prongs
K14534	4	K14537	7 small
K14535	5	K14538	7 large
K14536	6	K14539	8 octal
Any Type, Each..... 27c			

AMPHENOL "MIP"

Molded from high-dielectric black bakelite, with molded-in plate for 1 1/2" mounting centers.

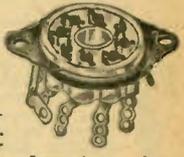


Stock No.	Prongs	Your Cost Ea.
K13164	4	7c
K13165	5	
K13166	6	
K13167	7, small	8c
K13168	7, large	
K13169	8, octal	10 1/2c
K13223	9.....	
K13224	11.....	14c

Midget "MIP" Octal

Smaller, more compact than above. Has 1 1/4" mtg. centers. Octal, 8 prongs, only. **K13225—Your Cost Each 8c**
K13243—"MIP" Loktal Type. Your Cost Each 11c

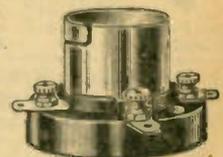
Poly-Styrene Ultra Lo-Loss Socket



Molded polystyrene base. Fine for U.H.F. work. Long lugs. 8 pr. Caution: Solder fast! Do not heat beyond 200° F. 1 1/4" hole—1 1/2" centers. **K13170—Octal Your Cost Each..... 28c**
K13160—Loktal Your Cost Each..... 32c

JOHNSON Sockets

Low-absorption porcelain base. Heavy phosphor bronze contacts, cadmium plated. Heavy nicked brass shells.



K14160—UX Base. Each 60c
K14161—50 watt Base. Each 88c
K14157—Giant 5-prong socket. Your Cost..... \$1.47

MILLEN Sockets

Steatite body to provide increased insulation. Barriers separate all contacts, permitting use of high voltages safely.



Stk. No.	Mfrs.	No. Prongs	Each
K8045	33004	4	27c
K8046	33005	5	
K8047	33006	6	
K8049	33008	Octal	

No. 12 EBY Sockets

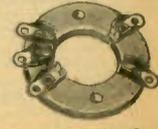
Molded Bakelite. For sub or top of panel mount. Firm gripping positive contacts.



No.	Prongs	Each
K13072	4	26c
K13073	5	
K13076	6	
K13077	7 L & S	32c
K13079	8 octal	
K13081	55A13 miniature	12c
K13085	8191 all molded bakelite loktal socket.	12c
K13089	Magnal-socket (11 contact) w/mtg. ring.	62c

Millen Acorn Sockets

Contact type holds tube secure, beryllium copper, silver plated contacts. Ceramic base. Dia. 1 1/2". **K8070—Your Cost..... 66c**



Low Loss Sockets Base Mounting

Unaffected by weather conditions. Efficient sockets that cut losses to an absolute minimum. Excellent for transmitters and high frequency gear.



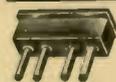
No.	Prongs	Each
K12636	4	53c
K12637	5	53c
K12638	6	59c
K12643	7 L & S	59c
K12644	8-octal	59c

Combination Sockets

All-molded bakelite sockets. Sub or top panel mounting. Positive contacts. **K13095—4, 5, 6 } 10 For \$2.61**
K13096—5, 6, 7 } Each, Either Type..... 29c



Hearing-Aid Sockets and Plugs



Sockets easily mounted by drilling three 3/8" holes in a row. Mtg. centers 1 1/4".

K13227	2 pr. plug..... 7c
K13228	3 pr. plug..... 9c
K13234	4 pr. plug..... 10 1/2c
K13235	3 contact socket. 15 1/2c
K13236	4 contact socket. 18c

Loktal Sockets



Replacement type. With adapter plate for 1 1/4" to 1 1/2" mtg. centers or ring type without plate for 1 1/4" hole. Bakelite. **K13040—With Plate 13c**
K13045—With Ring only. Each..... 12 1/2c

binding posts, plugs and jacks



Plain Tip Jack

For test equipment. Powerful spring. $\frac{1}{4}$ " mounting hole.
K12918—Your Cost **7c**
 Each.....
 12 For.....75c



Combination Jack

New type, takes both phono tips and banana plugs. Fully insulated, with insulated washer. In red or black.
 Specify color desired.
K12925—Your Cost Each **12c**
 12 For.....\$1.30



All Insulated Tip Jack

Countersunk $\frac{1}{2}$ " d. head, $\frac{3}{4}$ " overall. Fits $\frac{1}{8}$ " hole. Bronze spring. Each
K12934—Red **9c**
K12935—Black
 10 For.....81c



Insulated Tip Jacks

Have new type springs which provide sure grip contact. Mounts in $\frac{1}{8}$ " hole. In red or black.
 Specify color.
K12879—Each **9c**
 12 For.....97c



Insulated Tip Jacks

JOHNSON 420 Bakelite. Phono tips nest all the way in jack. Mount in a single $\frac{1}{8}$ " hole. Each
K6505—Red **14c**
K6506—Blk
 Per Pair, 1 red, 1 black.
K6467—Your Cost **24c**



Molded Bakelite Insulated Tip Jacks

Large diameter molded Bakelite heads take all phone tips. Phosphor bronze springs. With insulating washer.
 Stock No. Each
K12877—Red **13c** 10 For
K12878—Blk **13c** 10 For \$1.15



Compact Tip Jack

Heavy contact spring. Mounts in a single $\frac{1}{8}$ " hole.
K12948—Your Cost **7c**
 12 For.....76c



Tip Jacks

Mounted on $\frac{3}{4}$ " Bakelite. Contact springs grip cord tips securely.
K13037—Double jack. Each **6c**
 10 For.....54c
K13036—Triple jack **9c** 10 For
 Your Cost.....82c



Shorting Type Twin Jacks

Circuit is closed when the tips are removed. Red or Black.
 Specify. **Johnson 432.** **27c**
K13035—Your Cost
 10 For.....\$2.43



JOHNSON 520 Series Round Head Jacks

Compact type. Insulated tops. Mount in $\frac{1}{8}$ " hole. Panels up to $\frac{3}{8}$ " thick. Each
K6534—Red **12c**
K6535—Black
K6537—Yellow
K6538—Green
 Per Pair, 1-red, 1-black.
K6538—Your Cost **22c**

EBY Binding Posts

Non-Removable Tops

Specially designed for use on metal chassis. Stud has hole for wire or phone tip.
K13082—Junior Post Has 6-32 stud, $\frac{1}{2}$ " long. **Your Cost** **14c**
K13083—Ensign Post Has 6-32 stud, $\frac{3}{4}$ " long. **Your Cost Each** **23c**
K13084—Commander Post Has 8-32 stud, $\frac{3}{4}$ " long. **Your Cost Each** **26c**

EBY Twin Post Units

Two posts molded into a Bakelite base.
K13062—Your Cost **42c**
 As above, but with three posts.
K13063—Your Cost **65c**

AMPHENOL Phone Tip Jacks

Bakelite body. Takes standard plain or solderless phone tips. Mounts securely by means of snap ring. Requires $\frac{3}{8}$ " hole. Red or Black—specify color desired.
K12765—Each **5c**

High Voltage Jack 13000 V. Tip Jack. As above but $\frac{1}{2}$ " diam. For x'mitters, etc. Red or Black Specify color.
K12766—Your Cost Each **7c**

Midget Jacks

Fibre insulation. $\frac{1}{8}$ " mtg. hole.
K6548—Closed circuit jack.
K6549—Open circuit jack.
Your Cost Each **15c**
K6550—New Imp. Short Jack. 3-circuit for 3-way plugs. Ea. 20c

Phone Tip and Lug Adapters For Prods

Handy little adapters for use with any banana plug, or test prod fitted with a banana plug end. Enable you to fit them to either tip jacks or binding posts. Red or Black—Specify color.
K12913—Phone tip end. Each **9c** 10 For **81c**
K12914—Spade lug end. Each **9c** 10 For **81c**

Alligator Phone Tip Jacks

Alligator clip fitted with standard phone tip jack. Fits test prods equipped with phone tip ends. Red or Black—specify color.
K12880—10 For \$2.34 **26c**
Your Cost Each

Test Lead Kit

In a convenient leatherette pocket case. Insulated fittings are provided for every type of testing. Equipped with one pair of test leads having 60" of red and black kinkless wire; one end has insulated phone tips, the other insulated removable banana plugs. Also includes: one pair insulated alligator clips; one pair insulated spade plugs; one pair insulated needle points (all 1-red, 1-black).
K12861—Each **\$2.06**



Insulated Posts

Red or black composition top. Plated ferrule. Specify color. 10 For 90c
K13163—Your Cost Ea. **10c**



Binding Post With Banana Jack Top

Hole in top takes banana plug. Hole in stem for wire. In red or black. Specify color when ordering.
K12945—12 For \$1.62
Your Cost **15c**
Each



Spring Clamp Binding Post

Insulated top. Spring clamp holds wire. Overall length 1".
K13046—Your Cost Each **7c**

Insulated Banana Jacks and Plugs



Plug has set screw for solderless wire connection. Jack fits $\frac{1}{8}$ " hole and panels up to $\frac{3}{8}$ " thick. Red or Black insulation on both. Specify color desired.
K12915—Plug **12c** 10 For **\$1.08**
K12916—Jack **9c** 10 For **81c**
Each

Plain Banana Jacks and Plugs



Plug is $1\frac{1}{2}$ " long. Jack is $\frac{3}{8}$ " long and fits $\frac{1}{8}$ " hole in panels up to $\frac{3}{8}$ " thick.
K12919—Plug 10 For **62c**
K12923—Jack **7c**
Your Cost Ea., **7c**
Either Type.....**\$5.60**
 100 For.....

Phono Tip Plug

Single prong shielded plug used extensively for mike or phono pickup and similar connections.
K11773—Each **6c**
 10 For.....54c

JFD Phono Tip Jack

For use with above. Bakelite and metal base. Easily mounted.
K11774—Ea. **8c**
 10 For.....72c

Alligator Clips

Powerful grip. Ends take banana plugs. 2" clip is $\frac{1}{4}$ " wide, $2\frac{3}{4}$ " clip is $\frac{1}{8}$ " wide. Steel non-rusting finish.
 No. Length Each 10 For
K12955 2" 5c 45c
K12956 2 3/4" 7c 63c
 Copper—with bronze spring. For RF work. Has set screw.
 No. Length Each 10 For
K12947 2" 8c 68c

Insulated Alligator Clips

Plated metal grips with insulated handles that take banana plugs. Handles in red or black; specify. Steel non-rusting finish.
 No. Length Each 10 For
K12911 2 3/4" 12c \$1.08
K12909 3 3/4" 15c 1.35
K12949* 2 1/4" 13c 1.17
 *Copper—with bronze spring.



Standard Tip Plug

Fine Quality.
K14881—10 For **13c**
 Per 100.....\$2.17

Plain Solderless Phone Tip Plugs

All metal tip plug for tip jack use. Solderless connection. $1\frac{1}{2}$ " long.
K12943—12 For **7c** **75c**
Each.....
 As above but $1\frac{1}{8}$ " long.
K12944—12 For **7c** **75c**
Each.....

Split Type Banana Plug

Insulated. Fits standard banana jacks. Set screw in barrel for solderless connection. Positive spring action. Plug $\frac{1}{2}$ " long; overall $1\frac{1}{4}$ ". Red or black; specify.
K12902—Each **12c**
 10 For.....\$1.08

Right Angle Tip Plugs

Streamlined plugs with set screw for solderless connections.
K12937—(A) Specify red or black. **Your Cost Each** **23c**
K12984—(B) Red
K12985—(B) Black Ea. **29c**

Solderless Insulated Phone Tip Plugs

Solderless type; fit all standard tip jacks. Used on test leads.
 In red or black; specify color. **Each**
K12973—1 1/4" long prod. **10c**
K12974—1 1/2" long
 Per Dozen, Either Type...**\$1.08**

Phono Needle Plug

Constructed so that the insulated sleeve will take a banana plug, and the prod itself will make positive contact with the banana plug. Tip holds phono needle (needles easily replaceable). Overall length $1\frac{1}{2}$ ". Red or black; specify color.
 10 For **\$1.08**
K12917—Each **12c**

Cable Clamps

Heavy gauge steel. No. 6 mtg. hole. Plated.
K14951—1/4" cable. 4 For 4c
K14952—1/2" cable. 3 For 5c

Low Loss Plugs

Tin plated brass body. Heavy silver plate tube prong. Wax impregnated ceramic insulation. Cable sleeve $\frac{1}{4}$ " inside diam.
K13128—Your Cost Ea. **31c**

Low Loss Sockets

Used with Low Loss Plugs. Brass base, nickel plated with chrome flash. Bakelite insulation.
K13146—Your Cost Each **27c**

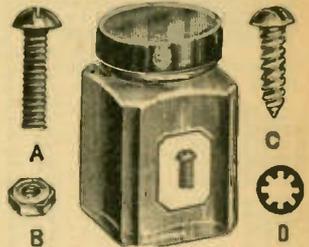
Heavy Stock Low Loss Plugs and Sockets

Similar to plugs and sockets shown above, but larger and heavier. Plug cable sleeve $\frac{3}{8}$ " inside diameter. Overall length of plug $1\frac{1}{2}$ ".
K13138—Plug **48c** **K13139—Socket** **48c**
Each.....**51c**

RADIO HARDWARE IN JARS

The most convenient, neatest way to keep your small hardware—in glass jars with screw-on caps.

Your Cost, Any Jar..... 35¢
 5 Jars for..... \$1.57
 K14675—Jar only..... 9¢



P-K Tap Screws (C)

No.	Quantity	Size
K14665	50	No. 4 x 1/2"
K14666	50	No. 6 x 3/4"
K14667	45	No. 6 x 1"
K14668	40	No. 7 x 1 1/4"
K14669	35	No. 10 x 1 1/2"
K14670	45	No. 10 x 1 3/4"

Hexagon Nuts (B)

No.	Quantity	Size
K14661	110	4-36 x 1/2"
K14662	110	6-32 x 1/2"
K14663	90	6-32 x 3/4"
K14664	90	8-32 x 3/4"

Washers (D)

K14671	150	#6 Plain
K14672	150	#8 Plain
K14673	100	#6 Shakeproof
K14674	100	#8 Shakeproof

Round Head Machine Screws (A)

No.	Quantity	Size
K14650	100	4-36 x 1/2" long
K14651	100	4-36 x 3/4" long
K14652	75	4-36 x 1" long
K14653	90	6-32 x 3/4" long
K14654	80	6-32 x 1" long
K14655	70	6-32 x 1 1/4" long
K14656	75	8-32 x 3/4" long
K14657	70	8-32 x 1" long
K14658	65	8-32 x 1 1/4" long
K14659	60	10-32 x 1 1/2" long
K14660	50	10-32 x 1 3/4" long

"1000 PLUS" HARDWARE KIT

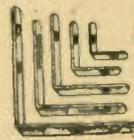
Contains over 1000 pieces of most frequently used hardware: 125 assorted 6-32, 100 8-32 and 25 10-32 machine screws; 100 6-32, 100 8-32 and 25 10-32 nuts; 100 assorted wood screws; 150 rivets, eyelets; 100 washers, grommets, etc.; 100 metal washers, lockwashers, lugs, etc. All packed in compartment box 7 1/2" x 4". Shpg. wt. 4 lbs.

K14820—Your Cost per Box..... \$1.49



Right Angle Brackets

Made of single heavy metal strip; width is 3/8". Very sturdy construction permits greater stress.



Stock No.	Size	Your Cost
K14895	1/2 x 1/2	1c
K14896	3/4 x 3/4	2c
K14897	1 x 1	2 1/2c
K14898	1 1/2 x 1 1/2	3c
K14899	1 3/4 x 1 3/4	3 1/2c

Soldering Lugs

\$2.20 Per Thousand

1 2 3 4

K14812—No. 1.
 K14813—No. 2.
 K14814—No. 3, solderless type.
 K14816—No. 4, 3/8" long.
 K14818—No. 5, 7/8" long.

Your Cost per 100, 24¢
Any Type Lug..... 24¢

Rubber Grommet Kits

Available in two assortments—kit "A" contains 12 assorted grommets in 4 sizes—3/4", 1", 1 1/4", 1 1/2". Kit "B" contains 30 assorted grommets in 4 standard sizes—3/4", 1", 1 1/4", 1 1/2".

K14794—Assort. "A"..... 15¢
Your Cost..... 27¢
K14795—Assort. "B"..... 27¢
Your Cost..... 27¢

Assorted Brackets

Here is a box of 28 of the most popular angles and brackets used in Radio. Made of heavy metal to stand up under all types of stress.

K14838—Your Cost..... 41¢

Rubber Grommets

The perfect grommet to insulate holes in 1/4" metal panels, chassis, electrical appliances, etc.



Stock No.	Fits Inside	Hole Diam.	Per Doz.	Per 100
K14765	1/4"	1/4"	10c	60c
K14766	3/8"	3/8"	16c	71c
K14768	1/2"	1/2"	22c	70c
K14769	5/8"	5/8"	24c	75c

Colored Grommets

Hard insulating composition; with knurled nut; in red or black. For instruments, etc.



Red	Black	Hole	Dia.	L.
K14688	K14689	3/8"	3/8"	3/8"
Your Cost Each, Either Color..... 7¢				
K14690	K14691	1/2"	1/2"	3/8"
Your Cost Each, Either Color..... 9¢				
K14692	K14693	1/2"	1/2"	1/2"
Your Cost Each..... 11¢				
K14694	K14695	3/4"	3/4"	1/2"
Your Cost Each..... 12¢				

Assorted Fibre Washers

This assortment contains 100 plain and shoulder type to fit Nos. 6, 8 and 10 screws, as well as 1/2", 3/8" and 1/4" holes.

K14832—Shpg. wt. 8 oz. Your Cost Per Box..... 44¢

Self-Tapping Screw Assortment

This assortment contains forty of the most commonly used sizes. No need for you to use nuts, merely start hole and drive through.

K14687—Box of 40. Your Cost..... 24¢

Tapered Lugs

Fits over all screws up to No. 10; shank fits banana plugs. 1 1/4" long, 1/2" wide. Cut for easy soldering.

K12954—Per Dozen..... 36¢



Wing Nuts

Sturdy, well made. Have numerous uses.



Stock No.	Thread	Each	Per 100
K12926	6-32	4¢	3.50
K12927	8-32		
K12928	10-32		
K12929	1/4-20		

Escutcheon Pins

Antique finish—3/4" long. For fastening escutcheons or nameplates.

K14811—Per 100..... 14¢



Escutcheon Screws

Round head, antique finish, 3/8" long. Fits any type escutcheon.

K14934—No. 2 size Per Gross..... 69¢

Knob Set Screws

Case hardened. For radio knobs, couplings etc.

K14786—1/4"x6-32 K14787—1/4"x8-32
K14788—1/4"x6-32 K14789—1/4"x8-32

Any Size Above, 50 For 85c. 10 For..... **19¢**



Bumper Feet

These felt feet have a standard 6-P.K. screw inserted in the metal part that holds the felt in place. Width 3/4" overall.

K14757—Your Cost Each 3¢
 10 For..... 25c
 50 For \$1.20 100 For \$2.25



1/4" Metal Spacers

For raising components above chassis or away from panel. All pass, Nos. 4, 6 and 8 screws.

No.	Inches For 10	For 100
K9868	1/8"	21c
K9869	1/4"	25c
K9870	3/8"	29c
K9871	1"	33c



Locking Washers

K14758—For No. 6 screw. K14759—For No. 8 screw.

100 For..... 20c
Either Type Envelopes of 25..... 6¢



Insulating Washers

Of fibre. Used for metal panel and chassis mounting.



Stock No.	O.D.	I.D.	Per 10	Per 100
K15020	1"	3/4"	10c	90c
K15021	1 1/4"	1"	7c	62c
K15022	1 1/2"	1 1/4"	6c	52c
K15023	1 3/4"	1 1/2"	6c	52c
K15025	1 3/4"	1 1/2"	6c	52c
K15026	1 3/4"	1 1/2"	136¢	5c

Shoulder Type

Stock No.	O.D.	I.D.	Per 10	Per 100
K15030	1 1/4"	1"	8c	72c
K15031	1 1/2"	1 1/4"	5c	45c
K15032	1 3/4"	1 1/2"	6c	50c
K15036	1 3/4"	1 1/2"	5c	45c
K15037	1 3/4"	1 1/2"	5c	45c

Ornamental Top Antique Finished Machine Screws

No.	Size	Lgh.	Dz.	Lots
K14680	6-32	3/4"	6c	44c
K14681	6-32	1"	6c	45c
K14682	6-32	1 1/4"	7c	52c

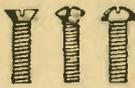
Copper Lug Kit

A 1-lb. assortment of tinned copper lugs. For all radio and electrical work. Kit contains approximately 450 units.

K14767—Your Cost Per Kit..... 65¢



High Quality Machine Screws



Stock No.	Length	Doz.	Gross
K14750	1/2"	4c	32c
K14751	3/4"	5c	36c
K14752	5c	5c	42c
K14753	1"	5c	55c
K14754	1 1/4"	6c	65c

8-32 Round Head Screws			
K14755	1/2"	5c	50c
K14756	3/4"	6c	65c

6-32 Flat Head Machine Screws			
K14760	3/8"	4c	32c
K14761	1/2"	5c	38c
K14762	5/8"	5c	50c
K14763	1"	5c	55c
K14764	1 1/4"	6c	65c

Metal Utility Rack

Stand with four handy shelves that will hold 36 hardware jars. 12" H., 16" W., 8" D. Shpg. wt. 4 lbs.

K22354—Your Cost \$3.23



Battery Clips

Good quality spring clip. Heavily plated steel. Strong spring.

K16060—1 1/2" long. 10 For 25c. Each..... 3¢
K16061—2" long. 10 For 28c. Each..... 3¢
K16062—2 1/2" long. 10 For 42c. Each..... 5¢
K16063—3 3/8" long. 10 For 56c. Each..... 6¢



Round Head Wood Screws

Stock No.	Size	Lgh.	Doz.	Gr.
K14780	4	4c	40c	
K14781	5	5c	50c	
K14782	5	6c	60c	
K14783	5	8c	80c	

Nuts & Washers

K14804—6-32x1/2" hex. nuts. Envelope of 20; Net..... 5¢
 Per 100..... 19c

K14805—8-32x3/4" hex. nuts. Envelope of 20; Net..... 5¢
 Per 100..... 20c

K14806—6-32x1" hex. nuts. Envelope of 15; Net..... 5¢
 Per 100..... 25c

K14807—8-32x3/4" hex. nuts. Envelope of 15; Net..... 5¢
 Per 100..... 25c

K14808—10-32x1 1/4" hex. nuts. Envelope of 20; Net..... 10¢
 Per 100..... 45c

K14808—6-32x1 1/4" knurled nuts. Envelope of 6; Net..... 10¢
 Per 100..... \$1.35

K14809—No. 6 washers. Envelope of 25; Net..... 6¢
 Per 100..... 23c

K14810—No. 8 washers. Envelope of 25; Net..... 6¢
 Per 100..... 23c

Heavy Duty Spade Lugs

For battery terminals etc., 1" long. No. 10 slot. 100 for 69c.

K14912—Your Cost per 10..... 8¢



set builders accessories

Insulating Tubing

In natural smooth black. $\frac{1}{8}$ " thick wall. Cut to your length, any size.

Stock No.	Outside Diam.	Per Foot	Per Inch
K13150	1"	56c	5c
K13151	1 $\frac{1}{8}$ "	68c	6c
K13152	2"	80c	7c
K13153	2 $\frac{1}{2}$ "	98c	9c
K13154	3"	\$1.29	12c

Natural Tan Color, $\frac{1}{8}$ " Wall

Stock No.	Outside Diam.	Per Foot	Per Inch
K13129	1"	39c	3 $\frac{1}{2}$ c
K13130	1 $\frac{1}{8}$ "	39c	3 $\frac{1}{2}$ c
K13131	2"	45c	4c
K13132	2 $\frac{1}{2}$ "	49c	4 $\frac{1}{2}$ c

Threaded Rods

Ideal threaded rod for making your own long screws. Easily cut to any length. In 12" lengths. K14913—6-32 size. Per Lgth. .18c
K14914—8-32 size. Per Lgth. .18c
K14918—10-32 size. Per Lgth. .23c

Steel Screws and Washers

10/32 oval head screws. The cup washer, also 10/32 is designed to match the screw head in appearance.

Stock No.	Length	12 For
K14775	$\frac{1}{2}$ "	5c
K14776	1"	7c

K14777—Cup washer
Your Cost for 12..... 6c

K14803—10/32 x $\frac{3}{4}$ " nuts for above screws. 10c
Envelope of 20..... 10c
Per 100..... 45c

FAHNESTOCK Clips

Type A, Screw Mount, Double Clip.
Type C, Screw Mount, Single Clip.

Stock No.	Type	Ins.	Doz.	For
K14823	C	$\frac{3}{4}$ "	10c	38c
K14824	C	1"	12c	45c
K14825	A	1 $\frac{1}{2}$ "	40c	\$1.50
K14826	A	1 $\frac{1}{2}$ "	54c	\$1.95

Mounting Lugs
Of heavy plated steel. Hole in flat end for 6-32 screw, threaded end 6-32.
K14955—Per 10..... 5c
Your Cost Per 100..... 35c

Friction Tape
Highest quality. Kept fresh by tin-foil wrapper, and packed in individual boxes. Handy rolls.

K14829	2 Oz.	Each.....	10c
K14842	4 Oz.	Each.....	17c
K14843	8 Oz.	Each.....	29c

Rubber Tape
An excellent general all-purpose highly insulating tape. Packed in silver foil. 3 $\frac{3}{4}$ " spool. 10 For
K15040 4 oz. 20c \$1.80
K15041 8 oz. 35c 3.15

MILLEN Grid Cap

Insulantite covered grid cap, for transmitting tubes. Type 866 etc.

K8055—Type 36001
Your Cost Each..... 21c

Angle Brackets
With Tapped Holes
Heavy gauge steel. One 8-32 tapped hole, one 5-32 plain hole.

Stock No.	Size	10 For	Each
K14909	$\frac{1}{2}$ " x $\frac{1}{2}$ "	27c	3c
K14910	$\frac{3}{4}$ " x $\frac{3}{4}$ "	27c	3c
K14911	$\frac{1}{2}$ " x $\frac{3}{4}$ "	36c	4c

Heavy Bakelite Strips

Screw and collar terminals mounted on $\frac{1}{8}$ " bakelite strips, $\frac{1}{8}$ " wide.

No.	Terminals	Ea.	10 For
K13140	2	10c	89c
K13141	3	13c	\$1.15
K13142	4	18c	1.60
K13143	5	21c	1.85
K13144	6	24c	2.15
K13230	7	29c	2.60
K13231	8	35c	3.15
K13232	9	40c	3.55
K13233	10	46c	4.00

Terminal Strips

Hi-quality bakelite terminal strips, $\frac{1}{8}$ " thick. Plain, no markings.

No.	Terminals	Ea.	10 For
K13145	2	9c	81c
K13123	3	11c	99c
K13112	4	15c	\$1.35
K13113	6	21c	1.89

MUELLER Clips and Rubber Insulators

Spring actuated clips for lab., test and battery uses. Type 27 and 27C are laboratory types with mesh teeth on three sides, others have teeth in front only. Soft rubber insulators cover entire clip as shown. Listing below shows insulators opposite proper size clip. All packed 10 to a box; clips are marked (+ and - 5 each), insulators 5 red and 5 black.

CLIPS				INSULATORS			
No.	Type	Size	Each/10 For	No.	Type	Each/10 For	
K16029*	45	1 $\frac{1}{2}$ "	4c \$0.32	K16031	47	8c	\$0.55
K16030†	45C	1 $\frac{1}{2}$ "	6c .54	K16031	47	8c	.55
K16032*	48B	2"	4c .34	K16033	49	9c	.59
K16034‡	24A	3"	8c .68	K16035	26	19c	1.27
K16026*	27	2 $\frac{1}{2}$ "	8c .68	K16028	29	12c	.82
K16027†	27C	2 $\frac{1}{2}$ "	13c 1.17	K16028	29	12c	.82
K16018‡	21A	4"	13c 1.17	K16019	23	33c	2.25

* Cadmium plated steel. † Lead coated steel. ‡ Solid copper.

No. 85T Mueller Crocodile Tip Clip
For connecting Bridges, Voltmeters, etc., or anything having binding posts with removable heads. Fine for test prods.
K16023—Your Cost Each..... 13c 10 For 94c
No. 85. As above, less phone tip..... 10 For 45c
K16020—Your Cost Each..... 7c 10 For 45c
Rubber insulator for either of the above, No. 87..... 10 For 36c
K16021—Your Cost Each..... 6c 10 For 36c

MUELLER Wee-Pee-Wee Clip
Non-Ferrous R.F. Clip. Will not heat in high frequency circuits. Ideal for tapping coils. Length 1 $\frac{1}{4}$ ". Completely insulated with Red or Black jacket (specify color desired. No. 88-93).
K16022—Your Cost Each..... 14c 10 For \$1.21

NATIONAL Grid Clips

Type A. Easily removed. Tinned grip end for soldering. Long.

No.	Type	Tubes	Dia.	Each
K14434	Stand.	Glass	$\frac{3}{8}$ "	3c
K14456	Met.	(octal)	$\frac{3}{8}$ "	3c
K14441	X'mitting*	$\frac{3}{8}$ "	$\frac{3}{8}$ "	6c

*—866, T20, 809, 812, etc.

Type B. For 866, ceramic. 24c
K14598—Each..... 24c
As above, but ceramic for $\frac{3}{8}$ " dia. Standard caps. 21c
K14599—Each..... 21c

Rubber Insulated Clip
Soft rubber outer covering. Each with approx. 12" lead.

No.	Type	Each
K11620	—For 866, etc.	18c
K11621	—Glass tubes.	12c
K11622	—Metal tubes.	12c

Metal & Glass Tube Cap
Fits either type. With 11" lead and pin-tip. In red or black. Specify color with order.
K11728—Your Cost Ea. 21c

Bracket Lug Strips

Lugs on $\frac{1}{4}$ " bakelite strip. $\frac{3}{8}$ " between centers. Heavy duty.

Type. For mounting condensers, resistors and radio parts.

No.	Lugs	Each	10 For
K13031	3	9c	81c
K13032	4	10c	90c
K13033	5	12c	\$1.08
K13034	6	15c	1.35

Bakelite Mounting Strips

For mounting parts which are to be insulated from chassis. Tinned.

Stock No.	Lugs	Each	10 For
K13124	1	2c	19c
K13133	2	3c	27c
K13134	3	4c	36c
K13135	4	5c	45c
K13137	6	5c	45c

Jacket Type Tube Shields

Will form-fit all glass tubes. Bodies consist of two halves snugly held to the tube by a spring ring. Supplied complete with ground clip to be held by socket mounting bolt against shield.
K13258—For ST-14 tubes with or without cap such as 24A, 01A, 26, etc.
K13262—For ST-12 tubes without grid caps such as 27, 56, 41, 1H4G.
K13264—For ST-12 tubes with grid cap such as 6C6, 57, 58, 75, 6A7, 6J7G, etc.
Any Type Above, Each..... 6c
10 For..... 54c 100 For..... \$5.25

Bantam Tube Shields
Designed especially for the new 1.5 volt and bantam "GT" tubes or other "T-9" bulbs. Available with and without grid-cap, as described below.

A
K13259—Plain shield, without cap. One-piece, grounds automatically. 10 For..... 24c
Your Cost Each..... 3c

K13260—Same as above, but with short cap and ground clip. For tubes without top grid cap. Type A. 10 For..... 35c
Your Cost Each..... 4c

K13261—Type B. With grid-lead cap and ground clip. 10 For 45c.
Your Cost Each..... 5c

"Form-Fit" Shields
Smooth, seamless drawn walls assure a snug, positive fit on the tube. Vertical grooves provide flexible fit, and the shield automatically grounds to the tube base.
For GT tubes: 1.218" base.
K13256—Open top.
K13257—Closed top.
For GT/G tubes: 1.165" base.
K13246—Open top.
K13247—Closed top.
For Loktal Tubes:
K13247—Closed top.
Each, Any Type Above..... 3c
10 For..... 25c

Metal Tube Grip Cap Shields
For use with screen grid metal tubes.
K13217—Ea. 9c
10 For..... 80c

SMITH Dial Pointers
Card of eight dial pointers. Two slide rule pointers 2 $\frac{1}{2}$ " long. Two slide rule pointers 1 $\frac{1}{2}$ " long. Four airplane dial pointers.
K854—Your Cost..... \$1.18

Polystyrene Rods
Molded from pure polystyrene. 6" and 12" lengths for machining special coil forms and low loss parts.
K8074— $\frac{1}{8}$ " dia. x 6" L..... 11c
K8075— $\frac{1}{4}$ " dia. x 6" L..... 13c
K8076— $\frac{3}{8}$ " dia. x 6" L..... 23c
K8067— $\frac{1}{2}$ " dia. x 12" L..... 21c
K8068— $\frac{3}{4}$ " dia. x 12" L..... 24c
K8069—1" dia. x 12" L..... 45c

Universal Grid Cap

Makes perfect contact to any tube grid stud from $\frac{1}{8}$ " to $\frac{3}{8}$ ". Spring brass contact spreads to accommodate the stud. Fits all metal and glass tubes. With 15" wired insulated lead.
K11730—Each..... 14c
K11731—Unwired. Each..... 11c

Screen Grid Clips

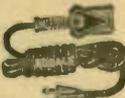
Miniature Clips for Metal Tubes. With wire ferrule.
K14985—Per Doz. 14c
Your Cost Each..... 2c

For Glass Tubes
K14827—12 For 100 For
Each..... 2c 14c 99c

Snap Battery Terminals
Same as used for Eveready types 430, 435, 455, 467; Burgess type XX-45 midget batteries.
K11732—Set of 2 (1 male, 1 female). 10 sets for 25c. Ea. 3c

RODALE wiring devices

Heater Cord Set
 Fine quality Rodale heater cord set which can be used with most any toaster, iron or other home appliance. This seven foot 3,000 cycle cord has a screwless plug for greater safety.
K13226—Each \$59c



RODALE Heater Plug
 Compact standard heater plug of heavy, sturdy composition. For all types appliances—toasters, irons and coffee makers.
 10 for .90c
K13291—Your Cost Each \$1.0c



Nichrome Wire
 A high grade alloy wire for use in sensitive equipment and to take care of all repairs. For 110 V.
K13263—#183. Round Wire Your Price \$3.20 Per 100 Ft.
K13268—#184. Ribbon Wire Your Price \$3.20 Per 100 Ft.

Cube Tap Extension Set
 The ideal extension set for reaching those far-away corners. The nine-foot cord has a cubed trio tap and screwless plug, tap and plug of bakelite.
K13293—Your Cost Ea. \$38c



Trio Tap
 Bakelite. Three outlets from 1 plug.
K13283—Your Cost Each 9c 10 for .83c



Attachment Plug Cap
 Brown bakelite cap with steel blades.
K13306—Your Price, 4c Each 12 for .45c



Attachment Plug Cap
 Brown bakelite cap with steel blades.
K13306—Your Price, 4c Each 12 for .45c



Plug Fuses
 High quality house fuses. Have crystal mica windows for easy inspection. All are plainly marked.
K13200—6 A. K13201—10 A. K13202—15 A. K13203—20 A. K13204—30 A. Your Cost Each \$5 1/2c 5 for .26c



Signalite 6-In-1 Indicator Fuses
 Neon signal lights automatically when fuse blows. This fuse can be used 6 times without removal from fuse box. Just turn knob to right. For A.C. or D.C.
K12808—15 A. K12810—25 A. K12809—20 A. K12811—30 A. Each, Any Size \$29c



Surface Tumbler Switch With Bakelite Cover
 This popular Leviton tumbler switch comes in brown bakelite. 5 Amps.—250 Volts, 10 Amps. 125 Volts.
 10 for \$1.73
K13315—19c Single Pole



Flatiron Element
 Fit 90% of the standard appliances.
K13270—Flatiron element. Each \$53c 10 for \$4.77



Flush Receptacle
 Fit the standard outlet boxes. Approved by the Underwriters. Shpg. wt. 1 lb.
K13267—Your Cost Ea. 12c 10 for \$1.10



Midget Push Button
 Brown bakelite push button.
K13297—Each 12c 10 for \$1.08



3-Way Surface Outlet
 Sturdy brown bakelite finish.
K13296—Your Cost Each 13c



Cord Connector Body
 Rubber or bakelite. Takes standard male plug. 1 1/4" diameter.
K13300—#T62 Rubber. 10 for \$2.25 Each 25c K13298—#179 Bakelite. Each 14c 10 for \$1.26



Porcelain Receptacles
 These porcelain receptacles come in three base styles.
K13330 10 for .72c K13330 #136 Miniature base 8c K13331 #137 Candelabra base 8c 10 for 72c K13327—#143 Intermediate base 11 1/2c 10 for \$1.04

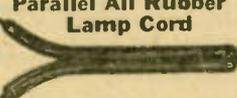


Heavy Rubber Cord
 The thick belt of flexible rubber that covers the conductor is made of smooth oil-resisting, abrasion proof, high quality rubber.

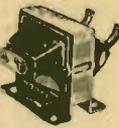
Stock No.	Size	Pc Ft.	100 Ft.
K20945	18—2-wire	4c	\$3.60
K20946	16—2-wire	4 1/2c	4.05
K20947	14—2-wire	12c	10.80
K20948	18—3-wire	5c	4.50



Parallel All Rubber Lamp Cord
 The two conductors are sheathed in a coating of tough live rubber. A ridge between these conductors allows them to be easily separated without fear of ruining the insulation. In Black, Ivory and Brown. Specify color desired. Shpg. wt. per 100 ft., 3 lbs.
K20920—18 Gauge—Your Cost Per Ft. 100 Ft. 500 Ft. 2 1/2c \$2.06 \$9.26



Bell Ringing Transformer
 Primary 110 volts a.-c. Secondary 6-8 volts. Wire leads on primary, posts on secondary.
K13245—80c Each \$3.70 5 for \$3.70



Resistance Wire
 A high grade resistance wire in 4 standard sizes in small quantities for daily use on highly sensitive instruments. Of high grade alloy. 10 ft. coils.

Diam.	Part No.	Price
1/8"	K13252 E78-1	\$2.40
3/16"	K13253 E78-2	\$3.20
1/4"	K13254 E78-3	4.80
5/16"	K13255 E78-4	



Attachment Plug Base
 Made of brown bakelite in usual strong Rodale construction. "Female" type.
K13280—Your Cost Each 5 1/2c 10 for .50c



Feed-Thru Switch
 Bakelite. Compact and very sturdy. 6 amps.—110 volts.
K13275—Each 23c 10 for \$2.07



1/8" Desk Push Button
 General purpose.
K13321—Your Cost Each 33c 10 for \$3.00



Flat Cord Connector
 Flat Bakelite type. Underwriter's listed.
K13276—Each 25c 10 for \$2.25



Electrical Appliance Cord With Switch Plug
 Cord for all types of appliances including irons, toasters, coffee makers, etc. Rayon cotton covered and asbestos insulated 10,000 cycles heater cord with molded switch plug. Shpg. wt. 2 lbs.
K13325—Each 99c



Cotton Twisted Pair
 18 Gauge, 1/4" R.C. wire with a cotton covering offered at prices below market. 2 colors—white or yellow and green mixture. Specify.
K20902—Your Cost 100 Ft. 250 Ft. 1000 Ft. \$2.18 \$4.90 \$18.62



660 W. Nichrome Element
 It's been a long time since we've been able to offer pure Nichrome heating elements. These dissipate 660 watts at 110-115 volts. Ideal for heaters, hot plates, toasters.
K13317—Your Cost Each 10c 10 for .89c



Carbon Brush and Spring Kit
 Assorted carbon brushes and copper springs for vacuum cleaners and all types of small motors.
K13323—Your Cost \$3.95



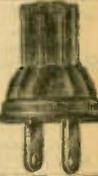
3-Way Surface Outlet
 Made of brown bakelite. Screws into the baseboards. Easy to use and install.
 10 for \$1.30
K13271—Your Cost Each 14c



Single Outlet
 Made of brown bakelite. Screws into the baseboard. Easy to use and install.
K13312—10 for 70c 8c Your Cost Each



RubberHandle Plug Cap
 Handle plug cap made of durable rubber. Cannot crack or break. For all appliances.
K13301—Your Cost Ea. 7c 10 for .62c



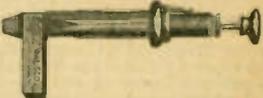
Square Push Button
 Value-full buy is this square brown bakelite push button.
 10 for \$1.08
K13303—Your Cost Each 12c



Bakelite Cleat Receptacle
 This Edison type base receptacle will accommodate any household light bulb.
K13322—Your Cost Each 11 1/2c 10 for \$1.04



WALSCO Staple Driver
 Reaches places inaccessible with hammer and ordinary staples. Can attach staples to any surface. Lightweight, rustproof. Staples wires up to 1/4". Fully automatic. Magazine holds 24 staples.
K15091—With (250) staples. Wt. 2 lbs. Your Cost \$4.17



BELL WIRE
 An excellent grade of No. 18.
K16338—1/2 lb. roll Your Cost 39c K16051—25 ft. roll Your Cost 14c



Telephone Wire
 For general use and inter-communication phones. 2-Conductor No. 19 Gauge.
K20895—100 Ft. 500 Ft. 1000 Ft. Your Cost \$2.64 \$12.39 \$23.90 K20896—3-Conductor #19 Your Cost \$3.21 \$15.23 \$27.65



hook-up and magnet wire

Giant Slewing

No. 2 spaghetti. Inside diameter— $\frac{1}{2}$ ". Length—36". Heavily impregnated with hi-voltage oil varnish. In black only.
K15956—10 for \$1.25
Per Length..... 15¢

Colored Rubber Wire



Stranded and tinned 20 gauge copper wire covered with a live rubber compound. Very flexible; easy to strip. Solders instantly. Available in three colors.

25-Foot Coils
K16272—Red Your Cost Each
K16273—Black 25¢ 5 For
K16274—Green \$1.19

1000-Foot Spools
K16108—Red Your Cost Each
K16109—Black \$6.65
K16110—Green

No. 16 RUBBER COVERED
K16280—Black K16281—Red
50 Ft. 100 Ft. 500 Ft.
Your Cost 62c \$1.18 \$5.29

Stranded No. 14 Gauge
K16121—Black K16120—Red
25 Ft. 50 Ft. 100 Ft.
Your Cost 45c 85c \$1.55

Stranded No. 12 Gauge
K16122—Black K16123—Red
25 Ft. 50 Ft. 100 Ft.
Your Cost 75c \$1.45 \$2.59

8-Yard Spools of Spaghetti



High grade varnished cambric tubing. 5000 V. di-electric strength. 8-yard lengths on fibre spools.

Takes a No. 12 wire.
K15951—Red K15952—Green
K15954—Yellow K15955—Black
 Takes a No. 14 wire.
K15750—Red K15752—Green
K15751—Yellow K15753—Black
 Any Above Sizes
Per 8-Yard Spool..... 59¢
 Takes a No. 18 wire—12 yard spool only.
K15754—Black
Per 12-Yard Spool..... 59¢

Extruded Plastic Tubing

10,000 V. di-electric strength. Will not support combustion. Resistant to petroleum solvents, acid, alkalis and soldering temperatures. May be bent over A.S.T.M. specification mandrel after heating at 220° for 150 hours. All are 3-foot lengths.
 Size #16 10 for
K16186—Black 63¢
K16187—Yellow 7c Ea.
 Size #12
K16188—Black 7 1/2c ea. 10 for
K16189—Red 67¢
K16190—Yellow 10 for
K16191—Green \$1.70
 Size #8
K16192—Black 19c
K16193—Yellow ea.

SPEEDEX Wire Stripper

Automatic Model
 Extremely handy tool. Any wire solid or stranded, is stripped with only one motion of the hand. "Stay-Open" feature for stripping fine stranded wire automatically holds jaws open until wire is removed. 2 lbs.
K14728—12-20 wire \$4.70
Your Cost
K14729—14-24 wire \$4.70
Your Cost

Bell Wire



An excellent grade of No. 18 bell wire. Wax impregnated cloth covered, copper wire.
K16338—1/2 lb. roll
Your Cost..... 39c
K16051—25 ft. roll
Your Cost..... 14¢

Spaghetti Tubing



Highest grade cambric tubing.
 Red, yellow, green and black. #12.
K15960—Specify Color
Per 30-Inch Length..... 6¢
Your Cost 10 Lengths..... 53c

Power Cord and Plug



Attractive high quality 6 ft. brown cord with sturdy plug. Cord is No. 18, rubber covered, "Zip" type. Ideal for replacement on sets, appliances, etc.
K13285—
Your Cost Each..... 17¢

High Grade Magnet Wire on

Handy Size Spools



Economical sized spools of high grade magnet wire. All spools marked with wire size and length. Available in double cotton, double silk and enameled insulation.

DOUBLE COTTON			DOUBLE SILK			ENAMELED		
Gauge	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	K16500	25	K16514	19	K16528	25		
16	K16501	33	K16515	25	K16529	40		
18	K16502	42	K16516	31	K16530	48		
20	K16503	60	K16517	42	K16531	85		
22	K16504	81	K16518	60	K16532	133		
24	K16505	110	K16519	83	K16533	200		
26	K16506	148	K16520	101	K16534	292		
28	K16507	188	K16521	119	K16535	420		
30	K16508	192	K16522	141	K16536	590		
32	K16509	216	K16523	163	K16537	805		
34	K16510	242	K16524	190	K16538	1150		
36	K16511	266	K16525	219	K16539	1560		
38	K16512	294	K16526	243	K16540	1980		
40	K16513	325	K16527	275	K16541	2430		

Your Cost Each, Any Spool 20¢

Resistance Wire on Handy Size Spools



High grade resistance wire in small quantities for use in highly sensitive instruments where accurately determined resistance values, secured through the employment of a high grade alloy wire, are necessary.

Wire Gauge	Ohms Per Ft.	ENAMELED		BARE	
		Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	.04603	K16600	20	K16614	24
16	.07318	K16601	31	K16615	38
18	.1164	K16602	40	K16616	46
20	.1850	K16603	57	K16617	81
22	.2941	K16604	77	K16618	126
24	.4678	K16605	104	K16619	190
26	.7438	K16606	141	K16620	277
28	1.183	K16607	160	K16621	399
30	1.879	K16608	182	K16622	560
32	2.990	K16609	205	K16623	765
34	4.756	K16610	230	K16624	1092
36	7.560	K16611	253	K16625	1482
38	12.02	K16612	279	K16626	1881
40	19.11	K16613	309	K16627	2308

Your Cost Each, Any Spool 39¢

Solid Tinned Copper Core Type

No stripping is necessary. Just push back the double cotton-covered moisture-proofed braid. No. 20 wire. Four colors for circuit identification. Weight 2 lbs. per 100 feet.



Stranded Tinned Copper Core Type

Very flexible wire of multi-strand tinned copper; equivalent to No. 20. Cotton braid pushes back easily. Available in 4 colors. Weight, 2 lbs. per 100 feet.

25-Foot Coils		50-Foot Coils		100-Foot Coils	
K16350—Red	K16352—Black	K16358—Red	K16360—Black	K16366—Red	K16368—Black
K16351—Green	K16353—Yellow	K16359—Green	K16361—Yellow	K16367—Green	K16369—Yellow
Your Cost Per Coil..... 20c		Your Cost Per Coil..... 37c		Your Cost Per Coil..... 73c	
1000-Foot Spools		100-Foot Coils		1000-Foot Spools	
K16374—Red	K16376—Black	K16370—Red	K16372—Black	K16378—Red	K16380—Black
K16375—Green	K16377—Yellow	K16371—Green	K16373—Yellow	K16379—Green	K16381—Yellow
Your Cost, Per Spool... \$6.63		Your Cost, Per Coil..... 85c		Your Cost, Per Spool... \$7.08	

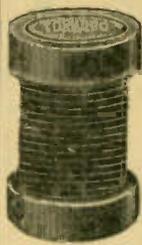
Heavily Insulated High Grade Battery Cable



A high grade, heavily insulated battery cable with each lead marked or covered with a different color of insulation for easy identification; can also be used for multiple connections on intercom systems, etc.

Stock No.	No. Wires	Per Ft.	Per 100 Ft.	Stock No.	No. Wires	Per Ft.	Per 100 Ft.
K16089	3	3 1/2c	\$3.15	K16093	7	6 1/2c	\$5.85
K16090	4	4c	3.54	K16094	8	7 1/2c	6.75
K16091	5	5c	4.50	K16095	9	8c	7.20
K16092	6	5 1/2c	4.90	K16096	10	8 1/2c	7.65

Finest Grade Magnet Wire



We are fortunate in still being able to offer this fine quality magnet wire at these low prices. Due to present conditions, however, we must reserve the right to change prices without notice.

Plain Enameled

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.
K20950	16	125	21c	39c
K20951	18	202	21c	39c
K20952	20	319	23c	40c
K20953	22	506	27c	41c
K20954	24	804	27c	44c
K20955	26	1280	29c	53c
K20956	28	2030	32c	56c
K20957	30	3220	41c	63c
K20958	32	5100	39c	68c
K20959	34	8080	42c	78c
K20960	36	12800	52c	92c
K20961	38	20300	69c	\$1.07

Double Silk Covered

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.
K20962	18	199	\$0.42	\$0.78
K20963	20	314	.47	.93
K20964	22	494	.54	1.07
K20965	24	778	.65	1.27
K20966	26	1220	.81	1.55
K20967	28	1910	1.01	1.95
K20968	30	2960	1.31	2.53
K20969	32	4570	1.65	3.20
K20970	34	6980	2.09	3.95
K20971	36	10500	2.56	4.88

Double Cotton

Extremely popular with amateurs and experimenters. Highest quality.

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	Your Cost 1/2 Lb.
K20973	16	122	\$0.24	\$0.42
K20974	18	192	.24	.45
K20975	20	298	.28	.52
K20976	22	464	.33	.58
K20977	24	711	.38	.69
K20978	26	1080	.44	.82
K20979	28	1630	.53	1.00
K20980	30	2420	.61	1.18
K20981	32	3500	.76	1.45
K20982	34	4920	1.09	2.05
K20983	36	6660	1.49	2.85

No. 14 Tinned Solid Copper Push-Back Wire

Cotton wrapper with heavy lacquer insulating material and final layer of impregnated cotton braid. High breakdown voltage.
25-Foot Coils
K16341—Black K16339—Red
Your Cost, Per Coil..... 41c
100-Foot Coils
K16348—Black K16346—Red
Your Cost, Per Coil..... \$1.55

Round Tinned Copper Bar No. 14—2-Foot Lengths

10 Lgths. 100 Lgths.
K15965—
Your Cost. 15¢ \$1.35
 Round, solid bus bars, excellent for neat unsupported wiring or to decrease wire resistance in SHF equipment.
NOTE: Wire prices are affected by conditions of metal markets, therefore all wire prices are subject to change without notice.

Shielded Auto-Radio Lead-In Wire

No. 20 stranded conductor (10x30 tinned) with special low capacity rubber sheath and overall shield. Max. cap. between conductor and shield 33 mmfd. Overall dia. .230".
K20883—100-ft. For #8663 \$4.26 Per Foot 5 1/2¢
 As above, but with rubber sheath overall. .290" O.D.
K20884—100-ft. For #8664 \$5.65 Per Foot 7¢

Transmission Line Cable



Shielded Twisted Pair

18 stranded, rubber and paper wrap, tinned copper shield over twisted pair—weatherproof over all White braid. Ideal where interference is great. #8209.
500 Foot Spool \$19.93
K16162

Commercial Twisted Pair

22 (7x30 tinned) paper wrap. .022" rubber. Weatherproof over all Black braid. For com. broadcast receivers. #8205.
\$7.33
K16171—500-ft. spool.

Impedance Matching Cable

No. 18 stranded, rubber covered cotton, twisted pair, weatherproof over all White cotton braid. For all-wave jobs. 72 ohm impedance matching half-wave dipole aeriels.
#8204 \$10.80
K16174
500 Ft. Spool. Per Foot 3¢

All-Rubber Lead-In Wire



Easy stripping—easy soldering. All made of 7 strands tinned copper wire with thick rubber sheath; .031" on 20; .040" on others. Shpg. wt. 3 lbs. per 100 ft.

Stock No.	Belden No.	Wire Gauge	Length Feet	Your Cost
K16227A	8200*	18	100	\$0.54
K16227B	8200	18	500	2.30
K16226A	8201†	16	50	.38
K16226B	8201	16	100	.66
K16226C	8201	16	500	2.90

Diam.—†.126" †.136"

Rayon Push-Back

No. 20 tinned copper, heavy wrap cellulose acetate, "basket-weave" abrasion-proof lacquered rayon braid. Colors: green, blue, red, yellow, black. Specify color.

K16066	—25-ft. spool*	#8941	26¢
K16068	—25-ft. spool†	#8943	28¢
K16080	—100-ft. spool*		84¢
K16081	—100-ft. spool†		91¢
K16067	—1000-ft. spool*		\$6.21
K16069	—1000-ft. spool†		\$7.08

Following in red or black only. Similar to above; No. 14 gauge.
K16158—25-ft. spool† #8938... 41¢
K16082—100-ft. spool† #8938... 51.44
 * Solid. † Stranded.

Television Hook-Up Wire

No. 18 stranded with overall rubber compound (O.D. .200") with Pyroglaze seal and white Fiberglass braid. Puncture voltage 15,000. Adequate protection against corona and heat. For all H.V. circuits. #8868.
K16267—Per Ft. 7¢
25 Ft. for \$1.56

Shielded Hook-Up Wire

No. 20 hook-up wire with woven tinned copper shielding over a 1/4" rubber wall with rayon braid under shield. O.D. .105". #8885.
K16294—Per Ft. 2 1/2¢
Per 100-Ft. \$1.88

72 Ohm Coaxial Cable

Will meet the requirement for all frequencies in the audio to and including the television or f.m. range. For use as antenna receiving or transmitting cables; also for photoelectric or other circuits where characteristics fit the application. DB loss per 100-ft.: 1.03 at 10 Mc.; 2.24 at 40 Mc.; 3.78 at 100 Mc. Capacity between conductors per ft.; 26.3 mmf at 10000 kc; 25.9 mmf. at 40000 kc; stranded (19x28) tinned, low loss rubber compound tinned copper shield, tough vulcanized rubber sheath, .460" O.D. #8216.
K20936—Per Ft. 15¢
Per 50 Ft. \$6.79

Shielded Primary Wires

No. 12 gauge (19x25 tinned) with colored cellophane serve, .031" rubber wall, glazed cotton braid lacquered and an overall tinned copper shield. Wt. 6 lbs. per 100 ft. #8654
K16223—100 Ft. for \$4.52 5 1/2¢
Your Cost per Foot
 No. 14 gauge. .027" rubber wall (19x27) #8655. 100 Ft. for \$3.75
K16218—Your Cost 4 1/2¢
per Foot
 No. 16 gauge. .022" rubber wall. (19x29) #8656. 100 Ft. for \$3.00
K16219—Your Cost 3 1/2¢
per Foot

R-F Hook-Up Wire

100 Foot Spools. Insulation resistance is 49,000 megohms. Tinned copper with two specially treated cellulose acetate braids. Colors: green, blue, black, red and yellow. Specify color when ordering.
K16247—#20 Solid. #8841. 99¢
K16248—#20 Stranded. #8839 \$1.07
K16204—#18 Solid. #8861. 1.07
K16205—#18 Stranded. #8844 1.17

Hi-Volt Push-Back

Latest type insulation with a high puncture voltage rating (6900 volts), yet insulation slips very easily. No. 20 tinned copper, cotton wrap; .010" rubber wall "basket-weave"; lacquered rayon braid over all. Colors: green, blue, red, yellow, black. Specify color when ordering.
K16258—25-ft. Solid. #8837. 29¢
K16261—25-ft. Stranded. #8838. 29¢
K16259—100-ft. Solid. 95¢
K16262—100-ft. Stranded. 98¢

Test Prod Lead Wire

Flexible No. 18 wire (65x36) tinned copper. Cotton wrap. 1/4" rubber wall. Two 7 ft. lengths red and black (14-ft. total) parallel wound on spool. #8899.
K16336—Two 7-ft. lengths. 33¢
Your Cost per Spool
K16337—Red or Black (Specify). 4¢
Your Cost per 100 Feet \$1.62

BELDEN Shielded Rubber Mike Cable



20 Gauge tinned stranded conductors cabled, cotton wrapped, shielded, cotton wrap over shield, overall rubber sheath.
 No. Cond. O.D. Ft. 100 Ft.
K20876 2 #8422 .280" 7c \$5.52
K20845 3 #8423 .280" 8c 6.75
K20877 4 #8424 .325" 9c 7.88

Unshielded Cable

Like above, but #18 gauge, no shield.
 No. Cond. O.D. Ft. 100 Ft.
K20910 2 #8452 .245" 3 1/2c \$3.14
K20880 3 #8453 .265" 4 1/2c 3.92
K20881 4 #8454 .260" 6 1/2c 5.61

BELDEN Flexible Crystal Mike Cable



Type 8431, for phono pickups, has overall cotton braid.
 Stock Type Out. Cap. Per 100 Ft.
 No. No. Dia. Mmfd. Ft. For
K20844 8401 .245" 25 7 1/2c \$6.33
K20858 8411 .155" 35 5c 4.02
K20848 8431 .160" 55 2 1/2c 2.06

Extra Flexible Hi Voltage Test Lead Wire

The outstanding feature of this wire is its great flexibility. 18 stranded, cotton wrap, 1/4" rubber wall. Belden #8898.
K16222—Per foot 3 1/2¢
Per 100 feet \$2.51

300 Ohm Twin Lead and Stand-Off Insulator

Type 300L transmission line and stand-off are ideal for FM and television lead-ins and Ham applications. Are tough, weather resistant wire. The insulator helps keep the conductors at parallel and at a fixed distance from nearby surface.
K20826—Twin lead, Per foot 3¢
Per 100 feet \$2.85
K17076—Insulator, Each 15¢



Tinned Copper Shielding



The finest copper shielding available. Fine mesh closely woven; assures perfect shielding. Shpg. wt. per 100 ft., 4 lbs.
K16214—Inside diam. 1 1/4". Your Cost Per Foot 2¢
Per 50 feet 89¢
K16215—Inside diam. 3/4". 3 1/2¢
Your Cost Per Foot 1.54
Per 50 feet 77¢
K16216—Inside diam. 1/2". 9¢
Your Cost Per Foot 4.01
Per 50 feet \$4.01

Non-Kinking Aerial Wire

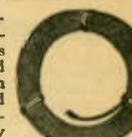
For use on AC-DC receivers. No. 23 (20x36). A wrap and a braid of brown cotton. On card. Belden No. 8014.
K16128—25-ft. 20¢
K16132—1000-ft. spool \$5.85

Shielded Pair

For inside use. Twisted pair of No. 19 solid, double enameled, cotton wrap, color coded braid waxed, overall bare copper shield. Two conductors. .145" O.D. #8799. Shpg. wt. 3 lbs. per 100 ft.
K20911—Per Foot 4¢
100 Ft. \$2.76 **500 Ft. \$12.88**

BELDEN Aerial Wire

Made of the finest copper obtainable. All rolls are guaranteed to be full length and standard gauge as specified. For any type aerial.



7x22 Bare Copper Stranded #8000
K16278—50 ft. 27¢
K16288—75 ft. 40c
K16282—100 ft. 53c
K16283—1000 ft. \$5.24
7x24 Bare Copper Stranded #8002
K16284—50 ft. 19¢
K16285—75 ft. 27c
K16286—100 ft. 36c
K16287—1000 ft. \$3.52
7x22 Enameled Stranded #8005
K16229—75 ft. 59¢
K16225—100 ft. 76c
K16228—1000 ft. \$7.14
7x20 Enameled Stranded #8006
K16232—100 ft. \$1.42
K16233—1000 ft. \$13.49
12 Solid Enameled #8008
K16230—100 ft. 91¢
K16221—500 ft. \$4.38
K16231—1000 ft. \$8.61

BELDEN Replacement Cords

Extra flexible brown all-rubber cord. Rubber plug at end. Other end strip; ped and tinned. Excellent for replacement use. All are Underwriter's approved.
K16307—7 1/2-ft. Each 34¢
10 for \$3.10



Belden Head Phone Cords

5' cords of extra flexible moisture-proof rubber covered tinsel cords. Over all durable mercerized brown cotton braid. "Y" arm sections additional 15", and coupled in series. #8872.
K13953—Head phone set pin tips all ends 65¢
K13954—Spade tips #8873 4 phone ends, pin tips plug end. 65¢
Your Cost



AMPHENOL Single Conductor Crystal Microphone Cable



A new line of "mike" cables in 3 sizes and two kinds of plastic jackets. Unusually low capacitance for their small diam. Will remain flexible down to 40°. All have black vinyl jacket which is recommended for heavy use outdoors and in auditoriums. Designed for sound equip., photoelectric devices, home recorders and regular studio installations.

	Type	Per Ft.	Per 100 Ft.
K20860	21-120	10c	\$9.82
K20861	21-138	9c	8.23
K20862	21-146	8c	7.06

BELDEN Terminal Assortment



Contains 100 most popular solder terminals. For all servicing and set building requirements. In transparent container.
K14790—Your Cost 44¢

aerials and accessories

Aerial Tension Spring



The ideal device for taking up the slack in aerials. Extremely sturdy. Does an effective job. Consists of 2 hooks with porcelain rings interconnected with a powerful spring. Wt. 1 lb.
K16487—Your Cost \$4.1¢

ICA Vertical Home Antenna

Made of Admiralty brass—guaranteed rust-proof. The latest type home antenna suggested by leading set manufacturers for best results. Eliminates unsightly and dangerous wires. Clear noise free reception with no power line interference. Very sturdy construction. Made with a beautiful nickel-plated finish. Guaranteed rust-proof for the life of the antenna. Universal bracket allows permanent and convenient installation on soil pipe, window pipe, chimney, roof, gables, cornices, wall copings, etc. Lead-in and ground wire, brackets, lightning arrester, screws, insulators, etc., supplied.
K21824—Antenna 4516 Your Cost \$4.09

Antenna Loops for Midgets and Portables

Ideal for battery and midget sets or portables. Replaces antenna coil; gives satisfactory pickup and excellent selectivity. Inductance slightly higher than necessary, permitting removal of turns for adjustment. 4 3/4", 8".
K17147—Your Cost \$4.9¢

No. 18 Lead-In Wire

Solid tinned copper. 3/4" rubber easy-strip insulation. For lead-ins, ground leads or aerials. Shpg. wt. 2 lbs. per 100 ft. Specify length when ordering.
K16200—25 Ft. 50 Ft. 100 Ft. Single Coil 18c 34c 65c
Lots of 10 \$1.65 \$3.10 \$5.85
K16217—1000-ft. spool \$5.25 Your Cost

300-Ohm Twin Lead

Type 300L transmission line is ideal for FM and television lead-ins and for Ham applications. Tough, easy to install, resistant to weather, alkali, acids and oils. Two 7-strand #28 wires, .302" centers. Attenuation per 100 feet is only 0.68 db. at 50 Mc., 0.85 db. at 100 Mc. Capacity 4.8 mmfd. per foot. Impedance 300 ohms, 11.4 lbs. per 1000 ft.
K20826—Twin Lead Your Cost Per Foot \$2.85

Kings Television & FM Dipole Antenna

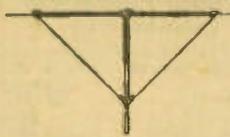
A revolutionary type of dipole for television and FM reception. Considerably greater efficiency. Tunable arms. The adjustable feature consists of an UHF element calibrated from 1.0 to 21.5 in half-steps. Capable of receiving an extremely broad band of frequencies including: black-and-white, color and experimental television, FM, 1 1/2-meter amateur, glide paths, airport controls, fixed and mobile stations. Comes complete with hardware, guy wires, etc. Two types of lead-in are available; standard or co-axial.
K17154—62 MC-840 MC Dipole. \$13.23 Your Cost
Ultra low-loss matched co-axial transmission line. K17155—100-ft. line \$7.41 Your Cost

Doublet Lead-In Strip



Consists of two strips covered by heavy cotton weather-proof braid. Bakelite bar holds strips parallel.
K16952—Your Cost Ea. \$1.4¢ Per 10 \$1.26
Single 12" Lead-in Strip K17101—10 For 54c 6¢ Your Cost Each

PREMAX Extended FM and Television Antenna

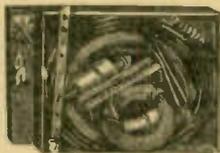


A "V" type dipole antenna that consists of a well-seasoned straight-grained hardwood support mast and crossarm on which are carried the dipole element with extended arms. Gives excellent response for all television and FM bands, covering 44 to 88 MC and 174 to 216 MC. Proper impedance match to 300-ohm transmission line. Weight 4 lbs. 4 1/2 ft. high, 8 ft. wide.
K17156—Premax Antenna Complete with Hardware \$8.82 Your Cost

AMPHENOL Dipole Antenna



Amphenol dipole antenna designed for best reception on FM and television. The antenna is furnished in kit form and contains all parts necessary to assemble a complete unit less the guy wires. The reflector type is especially recommended for television since unwanted signals are eliminated on the reflector side. The antenna is also furnished complete with 75 feet of low loss 300-ohm transmission line. Can be easily and simply erected in a very short time. A similar unit (not shown) can be purchased less the reflector if desired. Shpg. wt. for complete unit 7 lbs. Shpg. wt. 5 lbs. less reflector.
K17192—Dipole and Reflector Kit \$8.23 Your Cost Complete with Necessary Hardware
K17195—As above, less Reflector \$5.29 Your Cost Complete with Necessary Hardware



Lafayette

Low Cost Aerial Kits

No finer low cost aerial kits have ever been offered. Complete in every detail and containing only the finest components they will provide the ultimate in reception. This kit includes: 100 ft. 7/24 copper wire, 50 ft. No. 18 rubber covered lead-in, 25 ft. ground wire, approved arrester, ground clamp, lead-in strip, two porcelain insulators, two nail-it knobs. Can be used with all types of broadcast and all-wave receivers.
K16476—Your Cost \$9.9¢
ECONOMY AERIAL KIT
 Contents: 90 ft. 7/27 stranded aerial wire, 25 ft. rubber covered lead-in, lead-in strip, ground clamp, 2-nail-it knobs and 2-porcelain insulators. Shpg. wt. 2 lbs.
K16478—Your Cost \$6.9¢



Lafayette

All Wave Aerial Kit

A scientifically designed antenna kit that will operate with all broadcast and short-wave receivers—offered at an unusually low price. Fully licensed under Amy, Aceves and King patents. This kit comes completely factory assembled, ready for installation. Comprises the following equipment: two 30-foot coils of No. 7/24 bare copper aerial wire; 50-feet of No. 22 braided transmission line cable; two 3" glass insulators; one duplex lead-in strip; one "C" type ground clamp; 10-feet of No. 20 ground wire; one antenna transformer in porcelain case; one receiver coupler; one 6" insulator; two nail-knobs; complete instructions. Shpg. wt. 5 lbs.
K16486—Complete Deluxe Kit \$3.89 Your Cost

"Tenna-Scope" Loop Aerial

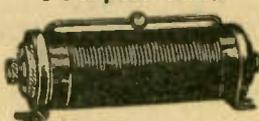


Makes a loop-antenna receiver out of any radio! Eliminates the use of an outside aerial and ground. No circuit changes necessary. Tuning range: 1715—500 kc. Adjustment trimmer adapts it to any receiver. Better selectivity. Higher signal to noise ratio. Fits on the back of practically all midgets. Full instructions included. Shpg. wt. 2 lbs.
K16452—Your Cost \$1.76

VERTROD Antenna

The Vertrod antenna eliminates aerial wire from your roof, prevents loss or theft of aerial. No wires to stretch, clip or replace. All that is needed is a screw driver and four inches of space. The patented rotary base permits mounting at any angle. Smooth rotation in an arc of 180 degrees. Antenna is in 3 sections, 108" overall. Adjustable to three lengths, 9, 6, or 3 feet, by removing rod sections. Use alone or in conjunction with loop aerial in your radio. Completely weather repellent. Less lead-in. Shipping weight 3 lbs.
K20443—Your Cost \$3.23

3-Purpose Tuner



Can be used as aerial eliminator, wave trap or antenna tuner. As eliminator it does away with outside wires; as wave trap it separates interfering stations and improves selectivity; as antenna tuner it strengthens signals. Wt. 2 lbs.
K12678—Each \$5.9¢

Deluxe I.C.A. Window Antennas



An ideal antenna for homes, apartments, hotels, office buildings, and places where it is inconvenient to install outdoor aerials or to improve reception on indoor installations. The antenna is very simple to install. An adjustable bracket at the base permits the antenna to be focused in any position for best reception. Furnished completely assembled with mounting flange, insulator and lead-in strip. Each antenna individually boxed. The antenna is in three sections and opens up to a total length of 96". Shpg. wt. 2 1/2 lbs.
K17116—Window Antenna Your Cost Complete \$3.53

4 Section Extra Long Antenna

An extra long window antenna ideal for DX reception and in rural sections where extra length is needed for best results. The four sections open up to an extended length of 12 feet. Shpg. wt. 4 lbs.
K17120—12 foot antenna. Your Cost Complete \$3.97

Glass Insulators



Special tempered glass, unaffected by heat or cold. High tensile strength. Ridged.
K16849—2 3/4" long. Your Cost Each 2 1/2¢
Lots of 100 \$2.15
K16850—3" long. Your Cost Each 3¢
10 For 25c 100 For \$2.25
K16851—3 3/4" long. Your Cost Each 5¢
Lots of 100 \$4.50

Plated Ground Rods



Used wherever a pipe ground is not available. Heavy steel yoke for head, 3/8" heavy plated steel. Special lock fitting will accommodate all aerial wire sizes. Locking screw secures the wire.

No.	Feet	Each	Per 10
K17187	4	39c	\$3.71
K17188	6	41c	3.90

TACO Mast Brackets

Designed for mounting a 1 1/4" diameter mast on the side of a house, under the eaves, or on a parapet where clearance of not over 7" is required. Brackets are made of heavy steel, enameled for durability.



K16483—
Brackets, Per Pair... **\$1.47**

TACO H. F. Splicing Tape

Developed especially for taping high-frequency transmission lines. Ordinary friction or rubber tape is unsuitable at the higher frequencies, and if used it may even act as a short-circuiting medium on the line. The TACO high-frequency splicing tape comes in handy 12" length, ready for use.



K16489—
Your Cost, Each... **21¢**

BRACH "Vis-o-Glow" NEON Arrester

Uses a NEON TUBE instead of an air-gap or resistance. Fully Under-writers Approved. Shpg. wt. 1 lb.



K16700—
Your Cost... **82¢**

DUPLEX TYPE: Same as above, but for use with sets having doublet antennas.

K16701— Your Cost... **\$1.15**

Porcelain Arrester

Housed in brown glazed porcelain; approved. With brass screw terminals. 1x1 1/2x 3 1/4" overall.



K16753— Your Cost Ea. **12¢**
10 For \$1.14 100 For \$10.80

Arrester for Doublets

An approved arrester for the doublet type of antenna. Air-gap type, insulated from ground. Porcelain case.



10 For \$1.70
K16950— Your Cost Ea. **19¢**

Shielded Lead-In and Hook-Up Wire

A 10-strand wire covered with live rubber, a waxed cotton braid and a woven, tinned shield.



K16240— Per Ft. 50 Ft. 100 Ft.
Your Cost 2 1/2¢ \$1.06 \$1.91

Transmission Cable

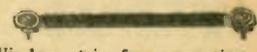
Consists of twisted rubber-covered conductors covered by a black weatherproof cotton outer braid.



Shpg. wt. (100 ft.), 4 lbs.
K17152— 100-ft. coil **\$1.65**
Your Cost
K17184— 500-ft. coil **\$8.02**
Your Cost

Lead-In Strip

Window strip for connecting an aerial from outside into house. Copper core with water-proofed lacquer webbing. 12" long. Has screw terminals. Black.



K17100— 10 For 81c. Each... **9¢**

Pipe Strips

Broad copper clamp adjustable to fit any size pipe up to 2" in diameter. Has clip for attaching ground lead.



K17102— Your Cost Each **5¢**
10 For 45c 100 For \$4.25

Insulated Staples

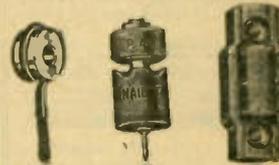
For holding inside lead-in and ground wires in place. No. 5, Size 1/4x 1/2" long.



K15950—
100 For... **13¢**

Aerial Insulators

Dependable porcelain insulators. "A" is screw-in type for holding lead-ins or grounds off-walls; "B" is standard nail-knob; "C" is strain insulator.



Stock No.	Type	Size	Each	10	100
K16972	A	3"	3c	24c	\$2.16
K16986	A	7"	4c	36c	3.24
K16977	B	2"	3c	22c	1.92
K16802	C	2 1/2"	4c	37c	3.35

"Grip" Ground Clamp

Makes a vise-like grip on pipe. Sharp-pointed screw makes perfect contact. Heavily plated.



K17105—
Your Cost
Each... **6¢**
10 For... **56¢**
100 For... **\$5.04**

Indoor Antenna Wire

Multi-strand flexible copper wire covered by a brown mercerized cotton braid. For indoor or a.c.-d.c. antenna use. 25-ft. hank.



K16155— Your Cost... **15¢**
K16167— 100-ft. Coil... **54¢**

Copper Aerial Wire

Made of the finest copper obtainable. All rolls are guaranteed to be full length and standard gauge as specified. For any type aerial.



Bare Standard—75 Ft. Coils

Stock No.	Size	Per Coil	10 Coils	25 Coils
K16041	7/26	\$0.30	\$2.75	\$6.50
K16042	7/24	.45	4.05	9.60
K16043	7/22	.65	5.85	13.95

Bare Stranded—100-Ft. Coils

K16113	7/26	.40	3.60	9.50
K16114	7/24	.60	5.40	12.85
K16115	7/22	.85	7.65	18.20

Enameled Stranded—75 Ft. Coils

K16044	7/24	.55	4.95	11.75
K16045	7/22	.85	7.65	18.20

Enameled Stranded—100 Ft. Coils

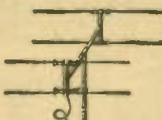
K16116	7/24	.75	6.75	16.05
K16117	7/22	1.05	9.50	22.55

Solid Enameled—100 Ft. Coils

K16118	No. 14	.95	8.55	20.30
K16119	No. 12	1.45	13.00	30.95
K16129	No. 10	2.21	19.90	47.25

TACO Double Doublet

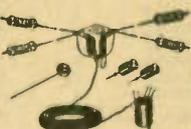
Made up of one type 436 H-antenna and 1 type 437 reflector. All steel structure built for durability. The reflector makes the antenna unidirectional, desirable in noisy location, in areas with low signal strength. The antenna has 4 aluminum dipole rods; 2 rod supports with terminals and neoprene grommets; spacer post with mounting clamps for mast; 60 ft. coil of 300-ohm high-frequency transmission line; 2 jumpers with terminal screws; 5 ft. sectional wood mast; 3 special standoffs; 4 wallboard insulators; mounting hardware; complete instructions. Shpg. Wt. 15 lbs. Reflector has 4 dipole rods with connectors; 1 crossarm (steel heavily enameled); 1 spacer post; mounting hardware. 1.5 db loss per 100 ft. of line.



K16488—
Each... **\$12.64**

TACO FM Antenna System

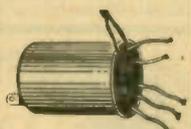
Covers standard broadcast, shortwave AM and FM bands. Transmission line is a special low-loss line. 1 type 221 antenna transformer; 1 type 223 set transformer; 4 30 ft. coils of antenna wire connected in the form of a double "V"; 60 ft. of high-frequency transmission wire; 1 screw eye; 2 nail-it knobs; 4 antenna insulators.



K16490— Antenna Kit, Shpg. Wt. 5 lbs.
Your Cost... **\$6.53**

TACO FM-AM Set Transformer

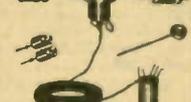
Designed for installation where it is desirable to use the FM antenna for both FM and AM reception. With this transformer no change in connections is required since both the AM and FM bands are permanently connected through the unit and the switching is automatic. This unit eliminates the need for constantly switching the transmission line from the AM to the FM terminals and back again. Shipping weight 1 1/2 lbs.



K16491— FM-AM Set Transformer, Your Cost Each... **\$1.91**

TACO Doublet Antenna System

Balanced doublet type antenna covering the standard broadcast and shortwave bands. Consists of 1 type 224 transformer; 1 type 222 set transformer; 2 30 ft. coils of aerial wire; 60 ft. twisted pair transmission wire; 1 screw eye; 2 nail-it knobs; 2 aerial insulators; Shipping weight 4 lbs.



K16492— Doublet Antenna System
Your Cost Each... **\$5.29**

TACO Economy Antenna System

Covers standard broadcast and shortwave bands only. Ideal for locations with low noise level. Consists of 1 type 521 antenna transformer; 1 type 522 set transformer; 2 30 ft. coils of antenna wire; 60 ft. coil transmission wire; 1 screw eye; 2 nail-it knobs; 2 antenna insulators. Shipping weight 4 lbs. The set transformer is equipped with terminal leads for both high and low impedance input.



K16482— TACO Economy Antenna System.
Your Cost Each... **\$3.70**

TACO Lightning Arrester

A special carbon-pile type lightning arrester, double pole for transmission lines. Preferably installed at the lower part of the transmission line, close to the ground. Underwriter Approved type. Can be mounted anywhere by means of two screws. Three screws with bolts for attaching the transmission line to the lightning arrester.



K16493— TACO Lightning Arrester.
Your Cost Each... **44¢**

TACO FM Folded Dipole

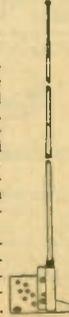
An efficient antenna, directional both front and rear. Flat characteristics. 1 folded dipole with terminal block; 1 60 ft. coil of high-frequency 300-ohm transmission line; 1 5 ft. wood mast; 2 mounting straps and screws for mast; 3 special screw eyes for high-frequency transmission line; 4 wallboard insulators; complete instructions. Ideal for areas of low signal strength. Shipping weight 6 1/2 lbs.



K16494—
Folded Dipole
Each... **\$5.29**

JFD Vertical 12 Foot Antenna

Easily and quickly attached on Gable Roof, Flat Roof, Wall, Vent-Pipe, Window, or anywhere. This is the type now used by all principal broadcasting stations. Non-directional, improves short-wave and broadcast reception on new or old sets. 4-sections, 12 ft. long when extended. Made of Admiralty metal, heavily plated. Supplied complete with a single adjustable bracket, stand-off insulator, 40 ft. lead-in wire and mtg. screws. Shpg. wt. 4 lbs.



K16122— Each... **\$3.70**

tools

Tool Steel Reamers
Made of heat treated steel.



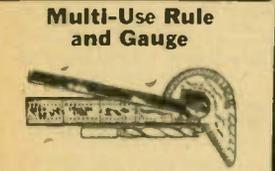
K15049— $\frac{1}{8}$ " to $\frac{1}{4}$ ". $5\frac{1}{2}$ " overall with "T" handle.
Your Cost **73¢**

CAN'T-ROLL Center Punch



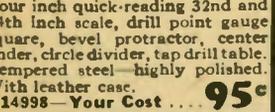
Tempered steel with large head and knurled grip. Square head will not roll. Length $4\frac{1}{8}$ " diameter .325" Shpg. wt. 1 lb.
K14998—Your Cost **11¢**

Multi-Use Rule and Gauge



Four inch quick-reading 32nd and 64th inch scale, drill point gauge square, bevel protractor, center finder, circle divider, tap drill table. Tempered steel—highly polished. With leather case.
K14998—Your Cost **95¢**

Drill and Wire Gauge



Highly accurate—of hardened and tempered steel. Clear, easy reading numerals. Drill, tap size and decimal equivalents of each. Pocket size.
K14997—Your Cost **95¢**

Steel 6" Rule with B & S Wire Gauge



Front graduated in quick reading 32nds and 64ths; also has American or B&S wire gauge for sizes from No. 8 to No. 20. Back has B&S wire gauge decimal equivalents. In leather case.
K15007—Each **25¢**

Tempered Steel 6" Rule

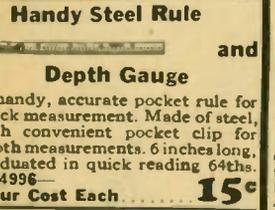
Stiff tempered steel 6" rule. Similar to rule above, but without wire gauge. 32nds and 64ths on front; back has decimal equivalents. $\frac{1}{2}$ " inch wide.
K14982—Each **24¢**

Handy Steel Rule and Depth Gauge



A handy, accurate pocket rule for quick measurement. Made of steel, with convenient pocket clip for depth measurements. 6 inches long, graduated in quick reading 64ths.
K14996—Your Cost Each **15¢**

National Slide Rule



Apprentice slide rule (Maniphase type). 10" graduations on a high quality white surface. Has a molded one-piece unbreakable indicator. Reverse side of rule has inch scale on one edge and millimeter rule on other. Back of rule contains special set of conversion tables as well as decimal equivalent chart. Supplied with imitation leather case and instructions.
K14889—Your Cost, **88¢**

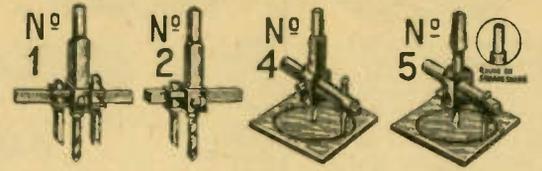
"Grip" Screw Drivers



Gripper holds screw and slides up out of the way when not in use. Instant release after screw is driven. Fine for tight places. Tempered steel blades. Amber plastic insulated handles.

No.	Blades	Each
K14710	2x $\frac{1}{8}$ "	23¢
K14721	4x $\frac{1}{8}$ "	43¢
K14722	10x $\frac{1}{8}$ "	46¢

GENERAL PURPOSE CIRCLE CUTTERS



Provides an easy, accurate method for cutting clean circular holes in brass, aluminum, steel, wood, Bakelite, etc. Of fine heat-treated steel. Used with ordinary hand brace or slow speed drill press. All American-made.

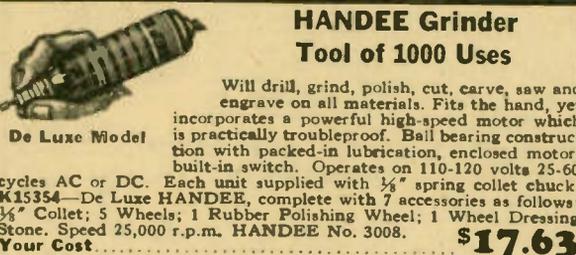
Stock No.	Type No.	Cuts Hole	Shank Style	Type Work	Your Cost
K14720	*	$\frac{5}{8}$ to 2 $\frac{1}{2}$ "	Round	Light	\$0.78
K14718	2	$\frac{3}{8}$ to 4"	Round	Medium	1.15
K14711	4	$\frac{3}{8}$ to 4"	Round	Medium	1.30
K14713	5	1 to 5 $\frac{1}{2}$ "	Round	Heavy	1.88
K14715	5	1 to 5 $\frac{1}{2}$ "	Square	Heavy	1.88
K14717	1†	$\frac{3}{8}$ to 4"	Round	Medium	1.88
K15069	5	1 $\frac{1}{4}$ to 8"	Square	Ex. Heavy	3.53

* Not illustrated. † Has extra beading center.

Replacement Drills and Blades

K15068—Drill for use with K15069.	Your Cost	35¢
K14716—Blade for use with all above except K15069 and K14720.	Your Cost	27¢
K15070—Blade for use with K15069.	Your Cost	50¢

HANDEE Grinder Tool of 1000 Uses



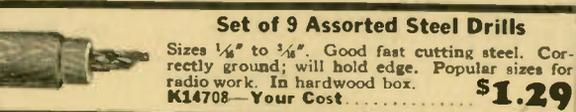
Will drill, grind, polish, cut, carve, saw and engrave on all materials. Fits the hand, yet incorporates a powerful high-speed motor which is practically troubleproof. Ball bearing construction with packed-in lubrication, enclosed motor, built-in switch. Operates on 110-120 volts 25-60 cycles AC or DC. Each unit supplied with $\frac{1}{8}$ " spring collet chuck.

K15354—De Luxe HANDEE, complete with 7 accessories as follows: $\frac{1}{8}$ " Collet; 5 Wheels; 1 Rubber Polishing Wheel; 1 Wheel Dressing Stone. Speed 25,000 r.p.m. HANDEE No. 3008.
Your Cost **\$17.63**

No. 3010—De Luxe HANDEE outfit, complete with 27 fine accessories and contained in a steel carrying case. Accessories include: rubber polishing wheel with mandrel; saw with mandrel; slitting saw; two steel cutters; three drills; push-pin mandrel; steel wire cavity brush; bristle brush; wire scratch brush; rubber disc with mandrel; felt polishing point with mandrel; rubber polishing point with mandrel; felt polishing wheel; drum sander and three bands; disc cleaning brush; mounted wheels (six); wheel dressing stone; vial of Handee speed oil; dozen assorted sandpaper discs. You can accomplish every conceivable job with this complete outfit. Shpg. wt. 8 lbs.
K15263—Your Cost **\$23.38**

K15264—No. 3011. Same as the above, but with 26 assorted Mounted Wheels for industrial application only.
Your Cost **\$23.38**

Set of 9 Assorted Steel Drills



Sizes $\frac{1}{8}$ " to $\frac{3}{8}$ ". Good fast cutting steel. Correctly ground; will hold edge. Popular sizes for radio work. In hardwood box.
K14708—Your Cost **\$1.29**

Vernier Sliding Caliper 6" Rule With Depth Gauge



Precision made of fine tool steel. Highly accurate. 5" rule graduated in 16ths and 32nds. 5" depth gauge. Vernier caliper has lock nut. Has sharp pointed projections for accurate dividing, scribing, etc. No shop should be without this highly important measuring tool. Shpg. wt. 1 lb.
K15027—Your Cost Each **98¢**

Rivet-Eyelet Punch Set



Hardened steel tools. Cast iron holder. Hex sides to grip in vise. With rivets and eyelets.

K15045—**\$2.35**
Your Cost

Setting Tool Only: As used with above set. Case hardened steel.
K15065—**53¢**
Each

Rivet—Eyelet Assortment
K15066—100 assorted rivets and eyelets.
Your Cost **47¢**

Pocket Scribers



For toolmakers, sheetmetal workers, patternmakers, aircraft mechanics, and all mechanics. Reversible steel points, locking chuck, perfect balance, nickel plated.
K15153—#81 $\frac{3}{8}$ " diam.
Your Cost, Each **49¢**
K15152—#83 $\frac{1}{4}$ " diam.
Your Cost, Each **39¢**

Close-Cut Hacksaw



Fits where ordinary hacksaws cannot be used. Saves time and temper. Heavily plated steel frame. Complete with specially-designed wave-set 10" blade. Will take broken hacksaw blades. Shpg. wt. 1 lb.
K17280—**64¢**
Each
K17281—Extra 10" blades—wave-set. Each. 17¢ Per Doz. ... **\$1.85**

Coping Saw Frame and Blades



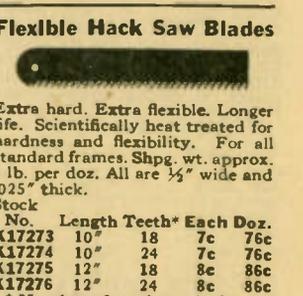
Heavy, rigid, rounded gasteel frame. Excellent quality $6\frac{1}{2}$ " blade for wood or metal. Adjustable tension. Heavily plated frame and ferrule. Hardwood handle. Complete with one blade. Shpg. wt. 1 lb.
K17278—Each **44¢**
K17279—Extra Blades, $6\frac{1}{2}$ " pin type. Each ... 4¢ Per Doz. ... **36¢**

Adjustable Hack Saw Frame



New patented design adjustable from 8" to 12". Cold forged steel frame. Depth of frame $2\frac{1}{4}$ ". Complete with 8" blade. Shpg. wt. 2 lbs.
K17286—**75¢**
Each

Flexible Hack Saw Blades



Extra hard. Extra flexible. Longer life. Scientifically heat treated for hardness and flexibility. For all standard frames. Shpg. wt. approx. 1 lb. per doz. All are $\frac{1}{2}$ " wide and .025" thick.

Stock No.	Length	Teeth*	Each	Doz.
K17273	10"	18	7¢	76¢
K17274	10"	24	7¢	76¢
K17275	12"	18	8¢	86¢
K17276	12"	24	8¢	86¢

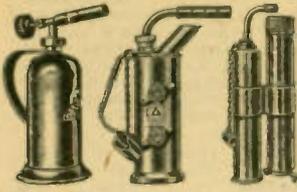
* Number of teeth per inch.

Forsberg Hack Saw



An excellent frame for the electrician and radio mechanic. Tenable handle. Reinforced back gives additional strength. Adjustable for 8" to 10" blades. Blade can be faced in 4 directions. Nickel-plated stock. Depth of frame: $3\frac{1}{2}$ ". Comes with one blade. Shpg. wt. 2 lbs.
K15137—**97¢**
Your Cost, Each

LENK Alcohol and Gasoline Torches



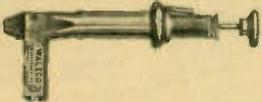
Type A—Compact, leak-proof torch for serviceman and home mechanic. Size: 6x2x1 1/4". Wt. 1 lb.
K14868—Alcohol. \$1.40 Each
 Type B—Double burner torch—provides either broad or needle point flame. Cleansing pin in handle. 7x4 1/2 x2 1/2". Wt. 3 lbs.
K14867—Alcohol. \$2.93 Your Cost
 Type C—Gasoline torch. Has flame control, shut off valve and many other features. 7 1/2" H. x 3" base D. Polished brass. Cap. 3/4 pint. Wt. 2 lbs.
K14855—Your Cost \$1.79
K14856—Same but for alcohol. Your Cost \$1.96

LENK Torch Fuel

No sediment in fuel prevents carbon deposit on wick. Eliminates corrosion. Maximum efficiency.

K14860—16 oz. can. 39c
K14890—Quart can. 69c
Ship by Express Only

WALSCO Staple Driver



For neater, faster jobs on all wire and cable installations. Reaches places inaccessible with hammer and ordinary staples. Attaches staples to any surface. Lightweight, rustproof construction. Staples wires up to 1/4" diam. Single stroke with palm of hand drives staple home. Fully automatic. Magazine holds 24 staples when loaded. Trigger control feed. Can be regulated for driving depth. For use by radiomen, soundmen and for general stapling.
K15091—Staple-Driver, with one box of (250) staples. Wt. 2 lbs. Your Cost \$3.33

WALSCO Carrying Case
 For carrying the WalSCO Stapler in the pocket or on the belt. Genuine leather. Shpg. wt. 1 lb.
K15092—Each \$1.22

WALSCO Rubber Cap
 Covers plunger head and makes it easier on the hand to drive staples into hard surfaces.
K15090—Each 19c

WALSCO Steel Staples

Made of carbon tool steel. In strips especially made for the WalSCO Staple Driver. Inside coated with special clear insulating lacquer. Brown color.
K15093—Box 250. \$28c
K15099—Box 1000. \$1.08
K15100—Box 5000. \$4.90

Power Sprayer

Operates from spark plug of any automobile. Will spray any free-flowing liquid. Complete with sprayer, pint jar, spark-plug air check valve, compression tank set of adapters, 12-foot hose. Shpg. wt. 6 lbs.
K14704—Your Cost \$4.62



Touch-Up Sprayer

Designed to operate perfectly with very low pressure from spare tire or any other air container. Air-tight brass valve, adjustable brass spray tip, rubber hose and two 4-oz. jars. Very handy for touching up marred panels, cabinets and chassis. Shpg. wt. 3 lbs.
K14705—Your Cost \$1.10



"RHINO" Screwdrivers with Amberlite Handles

Finest screwdrivers, for electrician's use. Chrome-Vanadium blade over half-way into Shock-proof Amberlite handle.
K15345—3x3/4" blade. Ea. 38c
K15346—6x3/4" blade. Ea. 50c
K15347—8x3/4" blade. Ea. 57c

Phillips Offset Screwdriver

A very handy alloy steel offset screwdriver. One end for Phillips No. 1 size; other end for Phillips No. 2 size.
K15255—Each 36c

Neon-Light Screw Drivers

Quality screw drivers with neon lamp built into amber Pyroxilin handle. For R.F. and spark plugs.
K15348—4 1/2" long. Each 29c
K15349—7" long. Each 61c

Flexible Screwdriver

Strong, unbreakable, flexible shaft and insulated movable screw-loosener finds slots of screws. 8 3/4".
K15062—Your Cost \$1.32

VACO "Amberly" Radio Screwdrivers

Transparent amber colored plastic handles. Oil tempered tool steel blades. Rust-proof, unbreakable, shock-proof. Blade diameter small enough for radio set screws.

Stock No.	Blade	Each
K15324	1/2 x 4"	36c
K15325	1/2 x 6"	36c
K15326	1/2 x 8"	40c

Phillips Recessed Head Screw Drivers

Many sets now use this type of screw requiring this new model driver. Sturdy sure-grip wood handles. Shpg. wt. 1 lb.

Stock No.	Size	Length	Your Cost
K15251	up to 4	6 1/2"	27c
K15252	5 to 9	8 3/4"	29c
K15253	10 to 16	11 1/2"	31c

"RAPID" Electroplaters

Small portable electroplating outfits for home or workshop. Easy to use. For replating jewelry, utensils, radio parts, etc. Each kit contains: 1 oz. of plating compound; 1 oz. of metal polish; 1 anode brush; battery wires with clips attached; full instructions. Require two No. 6 cells (not supplied). Wt. 1 1/4 lbs.
K15359—Nickel Plating Outfit \$1.10
K15360—Copper Plating Outfit \$1.47
K15370—Cadmium Plating Outfit \$1.47
 Additional 1-oz. bottles of compound (plate 125-175 sq. in.):
K15372—Nickel Compound Each \$1.37
K15373—Copper Compound Each \$1.37
K15374—Cadmium Compound Each \$1.37



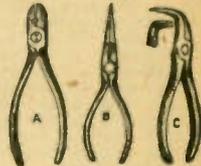
Any Type **K15371—Silver plating Outfit \$1.47**
K15375—Silver Compound Your Cost \$1.37

New Industrial Silver Plating Outfit

For industrial use only. Comprises 8-oz. Electrolyte, Sterling Silver Applicator, 4-oz. metal cleaner. Shpg. wt. 3 lbs.
K15376—Your Cost \$7.50

Genuine KLEIN Pliers

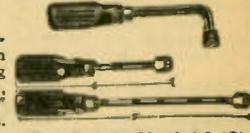
Finest alloy tool steel. Individually tempered to assure long-life cutting edges.
K15223—(A) Oblique Cutting Pliers with Wire Stripping Notch. Lap joint; narrow head. 6" long. Shpg. wt. 3 lbs. \$2.60 Your Cost
K15221—(B) Long Nose Side Cutting Pliers. Pointed slender nose—sharp cutters. 6" long. \$2.90
K15224—(C) Long Curved Nose Pliers. Very useful in close quarters. 6" long. Your Cost Either Above, Each \$2.90



HEX-NUT Socket Wrenches

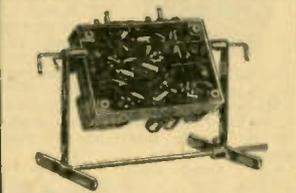
Straight and Offset Types

Firm grip, ribbed wooden handles. Heavily plated shanks. Have deep holes in ends of shanks which will take long screws up to No. 10 size. Straight types, 6" and 9" long. Offset types are 7" overall. Take standard hexagon nuts.



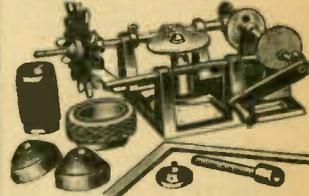
Size 7" Offset (A)	Size 6" Straight (B)	Size 9" Straight (C)
3/4" K15206	3/4" K15203	3/4" K15209
1/2" K15207	1/2" K15051	1/2" K15107
3/8" K15208	3/8" K15052	3/8" K15109
1/4" K15212 26c	1/4" K15053 23c	1/4" K15108 26c
3/16" K15213 each	3/16" K15054 each	3/16" K15110 each
1/8" K15214	1/8" K15204	1/8" K15210
K15215—Set of 6 \$1.40	K15205—Set of 6 \$1.25	K15211—Set of 6 \$1.40

ACRO Chassis Cradle



Holds radio, amplifier, power supply, etc. chassis in any position for testing, repairing or counter demonstration. Special clamps (supplied) grip chassis firmly and leave hands free. Steel. 28 1/2" L., 15 1/2" W., 12" H. Shpg. wt. 5 lbs.
K15071—With clamps \$4.75
Your Cost \$4.75
K15072—Extra Clamps (Pair) \$2.45

Deluxe Coil Winder



Wind honey comb, spider-web, or solenoid coils of various widths and diameters equal to factory made coils. All accessories for winding various types. Has recorder and indicator that counts turns. Shpg. wt. 6 lbs.
K14725—Your Cost Each \$4.95

Hex Wrench Set

This handy all steel hex socket wrench set will stand the hardest usage. It has five interchangeable sockets: 1/8", 3/16", 1/4", 3/8", 1/2". The set is Cadmium plated. Knurled handle. Sockets are easy to remove yet they will not loosen while working. Spare wrenches fit into hollow handle. Compact, easy to carry, and easy to use. Add this hex wrench set to your tool kit today and be prepared for any emergency.
K14749—Shpg. wt. 1 lb. \$72c
Your Cost, Each \$72c

Drill Stand

Holds complete set from No. 1—No. 60.
K17277—\$35c

Hand Drill

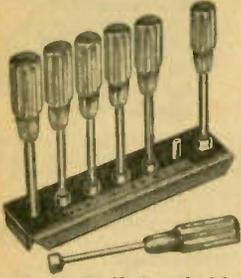
Balanced hand drill with 1/2" hardened chuck jaws. Accurately meshed gears. Hollow handle for storing drills. A needed tool on the radio work bench. Handle top threads to body. High speed gears. Shpg. wt. 3 lbs.
K14723—\$1.15
Your Cost \$1.15

Geared Chuck For Drills

7 to 1 geared chuck to use drills up to 1/2" in your small electric drill. Shpg. wt. 4 lbs.
K14698—\$7.98
Each \$7.98

tools

XCELITE Nut Drivers



Shockproof—Unbreakable—
Genuine transparent amber XCELITE handles—will protect against 5000 volts. Sockets truly formed. Tempered and fully finished. Deep enough to handle two nuts at once. Overall length 6"

K15330—For $\frac{1}{8}$ " hex nut.
K15328—For $\frac{1}{16}$ " hex nut.
K15331—For $\frac{1}{8}$ " hex nut.
K15327—For $\frac{1}{16}$ " hex nut.
K15332—For $\frac{1}{8}$ " hex nut.
K15333—For $\frac{1}{16}$ " hex nut.
K15334—For $\frac{1}{8}$ " hex nut.
Any Above Type
Your Cost, Each..... **45¢**
K15335—For $\frac{1}{8}$ " hex nut.
K15336—For $\frac{1}{16}$ " hex nut.
Either Above,
Your Cost, Either..... **57¢**
Nut Driver stand and 7 popular size wrenches for following hex nuts: $\frac{1}{8}$ ", $\frac{1}{16}$ ", $\frac{1}{4}$ ", $\frac{3}{16}$ ", $\frac{1}{2}$ ", $\frac{11}{16}$ ", $\frac{3}{4}$ ".
K15305—Stand and 7 wrenches.
Your Cost..... **\$3.36**
Complete.....

Hollow Shaft Nut Drivers



A unique time-saving tool, especially designed for radio and general electrical work. Invaluable for installing and removing volume controls and other panel equipment. The nut is readily tightened or loosened without damage to the panel.

Depth of hole $2\frac{1}{4}$ "
K15337—For $\frac{1}{8}$ " hex nut.
K15300—For $\frac{1}{16}$ " hex nut.
Either Above,
Your Cost, Each..... **54¢**
Depth of hole 5"
K15301—For $\frac{1}{8}$ " hex nut..... **69¢**
K15302—For $\frac{1}{16}$ " hex nut..... **72¢**
K15344—For $\frac{1}{8}$ " hex nut..... **75¢**
K15329—For $\frac{1}{16}$ " hex nut..... **78¢**
K15303—For $\frac{1}{8}$ " hex nut..... **90¢**
K15306—5 Driver rack only
Your Cost..... **20¢**
K15307—7 Driver rack only
Your Cost..... **23¢**

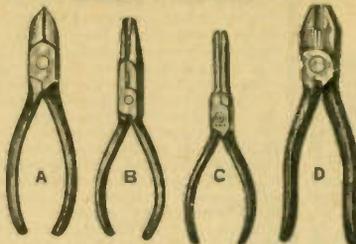
XCELITE Screwdrivers



Round blade. Skillfully forged of chrome vanadium electric furnace steel. Rust-proof finish. Tip properly ground and gauged to fit screw slot accurately. Flange on blade at handle resists shock of pounding. Embedded end of blade is wing-shaped, to prevent turning of the blade in the handle. Handle is genuine XCELITE plastic, full size and correctly shaped for grip and balance. Shock-proof and fire-resistant. Size of each screwdriver clearly marked on handle.

Stock No.	Size of Blade	Your Cost
K15164	$\frac{1}{8}$ " x 3"	18¢
K15165	$\frac{1}{16}$ " x 2"	18¢
K15167	$\frac{1}{8}$ " x 3"	18¢
K15186	$\frac{1}{16}$ " x 4"	18¢
K15189	$\frac{1}{8}$ " x 3"	36¢
K15196	$\frac{1}{16}$ " x 5"	36¢
K15202	$\frac{1}{8}$ " x 3"	42¢
K15217	$\frac{1}{16}$ " x 6"	51¢
K15218	$\frac{1}{8}$ " x 10"	54¢
K15220	$\frac{1}{16}$ " x 10"	60¢
K15222	$\frac{1}{8}$ " x 6"	57¢

KRAEUTER Blue Temper Finish Pliers



Diagonal Cutting Pliers
A—Cutting jaws meet perfectly. Cuts insulation as well as wire.

No.	Length	Each
K14942	$4\frac{1}{2}$ "	\$1.33
K15042	5"	1.46
K14944	6"	1.67
K14943	7"	1.75

Long Nose Pliers
B—For the hard to get at places. Side cutting blade will stay sharp.

No.	Length	Each
K14946	5"	\$1.55
K14945	6"	1.63

Needle Nose Pliers

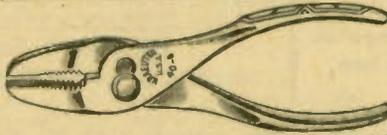
C—Made especially for difficult and odd jobs where no other plier will answer. Long fine nose is very carefully tempered. 6" long.

K15076—Your Cost..... \$1.33

Electrician's Cutters—"K" Series

D—Modified electrician's pliers. Fitted lap joint and hardened cutters.

No.	Length	Each
K14935	$6\frac{1}{2}$ "	\$1.21
K14936	8"	1.46



KRAEUTER Thin Nose Combination Pliers

The tapered jaws and long thin nose of these pliers enable the mechanic to reach and grip objects difficult to get at. Milled teeth and wire cutter give them a wide range of usefulness. Full nickel finish. KRAEUTER #40.

K14937—5" long
Your Cost..... **74¢**
K14941—6" long
Your Cost..... **92¢**

BRUNO Hole Cutters



This versatile set of hole cutters can be used in hand bits, power drills, or drill presses to cut holes in metals, wood, plastics and bakelite products, etc. Model 100 cuts holes from $\frac{1}{8}$ " to $1\frac{1}{2}$ ", $\frac{1}{8}$ " deep. Model 101 cuts holes from $1\frac{1}{2}$ " to $2\frac{1}{2}$ ", $\frac{1}{8}$ " deep. Both of the above models have round shanks. Models 100-B and 101-B are same as above but have square shanks to fit tapered chucks. The blades are easily adjusted to cut the proper size hole, and once set, can be locked in position. Blades can be removed for re-sharpening when necessary. A standard drill bit is part of the hole cutter. The drill bit extends down below the knife's cutting surface. Thus an easy start is assured, and a cleaner, truer hole can be cut with less strain on the metal, the cutter blade, or the chuck. Easy, simple, and safe to use. Shipping weight of each 2 lbs.

No. Bruno Shank Each No. Bruno Shank Each
K14965 #100 round **\$2.45** **K14967** #101 round **\$3.45**
K14966 #100-B square **K14968** #101-B square

Power Cutter Kit—Cutters #100 and #101 in plastic case \$5.85
K14962—Your Cost, Complete.....

BURGESS Vibro-Tool



MARKS, ENGRAVES, FILES, CHISELS, HAMMERS (even on the hardest metals, glass and thin plastics) **CUTS RUBBER, CLOTH, THIN WOOD AND CARDBOARD.** Using vibration principle, the Burgess Vibro-Tool

puts temporary or permanent markings on tools, jigs, dies, production parts; instantly engraves names, departments or trade-marks on tools or parts. Cuts cloth patterns, stencils, gaskets, washers from rubber, fibre, cardboard, leather, etc. Special improved ball grip makes all-day use possible without hand cramp. Does not overheat. Vibro-Tool can be used by anyone. No special experience necessary. Uses vibration principle, 60 cycle, 110 V. A.C., 120 vertical strokes per second. Supplied with 20 engraving needles and line cord. Approximate weight—1 lb.
K14724—Your Cost, Complete..... **\$7.50**

VINCO Automatic Center Punch



Just apply pressure to the handle and the internal trip-hammer punches a uniform hole in any unhardened metal, thus leaving one hand free. An excellent tool for countersinking or for punching a starting hole in metal before drilling. Removable tips. Plastic handle. Shipping weight 1 lb.
K14972—
Your Cost..... **\$1.09**

Motor Chuck-Arbors



Fit shaft of any small motor in place of pulley. Supplied with flange and locking nut to hold grinding wheels, saws, etc. $\frac{1}{2}$ three-jaw chuck. All supplied less flange.

Stock No.	Model No.	Motor Shaft	Your Cost
K15095	495	$\frac{1}{8}$ "	\$0.76
K15096	490	$\frac{3}{16}$ "	1.00
K15097	490-A	$\frac{1}{2}$ "	.93
K15098	490-B	$\frac{3}{4}$ "	1.17

Shockproof Screw Drivers



A group of unbreakable and shockproof screwdrivers in a complete range of sizes and styles for all radio shop and radio or electrical service work. All of these are equipped with transparent amber handles, multi-grooved for a firmer grip.

Stock No.	Type No.	Size of Blade	Your Cost
K14601	1	$2\frac{1}{2}$ " x $\frac{1}{8}$ "	12¢
K14602	2	$2\frac{1}{2}$ "	16¢
K14603	3	$4\frac{1}{2}$ "	20¢
K14604	4	$4\frac{1}{2}$ "	24¢
K14605	5	$5\frac{1}{2}$ "	28¢
K14606	6	$6\frac{1}{2}$ "	32¢
K14607	7	$5\frac{1}{2}$ "	36¢
K14608	8	$6\frac{1}{2}$ "	40¢
K14609	9	$2\frac{1}{2}$ " x $\frac{3}{16}$ "	40¢

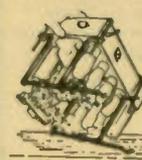


Open-End Wrench Set

5-wrench utility set for shop, tool box, home or garage. Screw and tapped center hole on largest wrench keep set together for storage.

Wrench sizes are: $\frac{1}{8}$ ", $\frac{3}{16}$ ", $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", and $\frac{5}{8}$ ". Shipping weight 2 lbs.
K14961—Complete set
Your Cost..... **44¢**

Radio Chassis Guards



Practical set of chassis guards that permit chassis to be turned to any position for servicing without damage to set or tubes. Fits all sets.

Wt. 4 lbs.
K15029—Per Pair
Your Cost..... **\$1.32**

G-C Cable Eyelet Tool



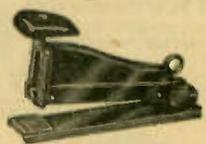
Inexpensive riveting tool for riveting parts to chassis and for turning eyelets on dial cable assemblies. Kit consists of a base which can be inserted in a vise and clincher punch for turning the rivets.
K15163—Your Cost..... **59¢**

G-C Inspection Lite



Light where you want it! 110V AC or DC. Get into hard-to-see corners. Handy for dipping bulbs into color.
K15304—
Your Cost..... **88¢**

Combination Tacker and Stapling Machine



A quick, handy tacker that is exceptionally convenient for tacking on grille cloth, attaching light wire or spaghettis, labels, etc. In addition to its use as a tacker it can also be used as a regular office or home stapling machine for clipping papers, receipts, checks, etc. Precision built, of steel with fine black finish. Complete with 100 staples.
K15280—Your Cost..... **\$1.19**
K15281—Box of 1000 Staples. 35¢

solder and service accessories

ESICO Solder Pots



200 Watt Model—Solidly constructed and not top heavy. Has a capacity of $\frac{1}{2}$ lb. of solder. The cup itself measures $1\frac{1}{2} \times 1\frac{1}{2}$ ". Overall height is $4\frac{1}{2}$ ". Shpg. wt. 4 lbs.

K14990—Your Cost Each..... \$4.41

325 Watt Model—Exactly the same construction as above. Solder capacity is $3\frac{3}{4}$ lbs. Cup measures $3\frac{1}{2} \times 3\frac{1}{2}$ ". Shpg. wt. $5\frac{1}{2}$ lbs.

K14991—Your Cost Each..... \$6.37

GLASER Rosin Core Solder

This finest quality 40-60 rosin core solder is made of the best virgin tin, lead and perfect flux. It takes hold instantly, forming a strong permanent bond. Its quick positive action makes it a big time saver. $\frac{1}{8}$ " in diameter. Also packed in one pound and five pound spools. It is economical, especially when bought in larger quantities and is one of the best for all electrical and soldering work in general. Stock up on this item. Order now.



Stock No.	Quantity per tin	Your Cost
K14557	1-lb. spool	\$0.17
K14558	5-lb. spool	.73
K14559	5-lb. spool	3.40

Solder Paste, Flux and Tinning Bar



NOKORODE Paste: Non-corrosive paste that fluxes all metals except aluminum without corroding or discoloring. Insures perfect soldered joint. Economical to use. **K15277—Per Can, Your Cost..... 10c**

KESTER Paste Flux—Non-corrosive. For a clean soldered connection. In handy two-ounce can. **K15278—Your Cost Each..... 12c**

KESTER Tinning Block—Cleans and tins soldering irons speedily. Easy to use. **K14875— $\frac{1}{2}$ lb. bar, Your Cost... 15c**

TRI-CORE Solder



Manufactured of virgin tin and lead, Tri-Core solder mixtures are certified to meet ASTM, Army, Navy and other Federal requirements for purity. It is a self-fluxing solder with three cores located just beneath the outer surface of the wire. Each core is packed with pure, high grade non-corrosive rosin flux. The flux is completely enclosed in the core. None can leak out.

K14779 Tin, Your Cost... 18c
K14784 1 lb. Your Cost... 68c
K14785 5 lb. Dia. Each. \$3.25
 .081"



KESTER Solder

Will not spatter. Preferred by servicemen and other large users. Flux in core. The aluminum solder is the flux-filled type and is furnished with cleaning material and instructions. $\frac{1}{8}$ " diameter.



	Rosin Core	Acid Core	Alum. Solder
Per Tin	K14857 \$0.17	K14878 \$0.17	
1 lb. Spool	K14858 .75	K14877 .75	K14845 \$1.96
5 lb. Spool	K14859 3.55	K14879 3.55	

KESTER Thin-Core Solder: Rosin core. Dia. $\frac{1}{16}$ ".
K14851—1 lb. Spool..... 7c
K14852—5 lb. Spool..... \$3.70

NOKORODE Core Solder

Made of virgin tin and lead. Superior paste used for flux. No. 10 gauge. Approximately $1\frac{1}{2}$ ounces.
K14882—Your Cost..... 7c

ERSIN

Multicore Solder

Newest solder research achievement. Secret British formula. Maximum flux action at correct solder melt point. Reduces surface tension of molten solder, and metal wets rapidly. Fast melting, non-corrosive, non-sticky, non-toxic, 3-core construction insures constant flux. Excellent cleaning action. Tin: Lead % 40-60. .08" dia.



Stock No.	Quantity	Each
K14801	1-lb. spool	\$0.90
K14802	7-lb. spool	5.60

Soldering Iron Tips

Replacement plunger type tips of quality copper.
 Stock No. Size Your Cost
K14904 $\frac{1}{8} \times 3/8$ " \$0.26
K15166 $\frac{1}{8} \times 3/8$ " .35
K14903 $\frac{1}{8} \times 3/8$ " .42
K15168 $\frac{1}{8} \times 3/8$ " .55



AMERICAN BEAUTY Stand

Regulates temperature of iron. Adjustable thermostatic control. Stand has molded plastic body, cord, attachment plug, receptacle to connect iron. 110 volts AC. Wt. 3 lbs.
K15169—Your Cost..... \$3.64



Air Drying Finishes

Professional appearing finishes in either crystal, wrinkle or chrome. Simply apply and let it dry for durable, lasting finish. Air-dry or bake on metal or wood.
Wrinkle Lacquer (Crystal)
 2 oz. 8 oz.
Stock Your

No.	Color	Stock Your	No.	Color	Stock Your
K15259	24c Black	K15309	73c		
K15319	24c Gray	K15387	73c		
K15320	24c Brown	K15388	73c		
K15380	24c Red	K15389	73c		

Wrinkle (Varnish) Finish
K15381 27c Black **K15390** 73c
K15382 27c Red **K15391** 73c
K15383 27c Gray **K15392** 73c
Telephone (Smooth) Finish
K15384 21c Black **K15393** \$1.18
K15385 21c Gray **K15394** 1.18
Chrome-Like Finish
K15386 18c Chrome **K15395** 65c



GENERAL CEMENT Radio Chemical Kit

A complete kit of 8 chemical necessities in neat leatherette pocket case. Makes it easy for serviceman always to have his chemical needs with him. Includes: Service Cement, Rubber Drive Cement, Carnon-X, Lube-Rex, Scratch Polish, Liquid Non-Slip, Dial Oil, and Contact Cleaner. Handy applicator attached to cap of each container. Take this kit with you on every outside call.
K15352 No. 999
Your Cost..... \$1.32



G. C. No. 28 Cement Thinner

This thinner is made of the same solvents as service cement and makes the best substance for thinning all cements.

No.	Size	Each
K15341	2 oz.	\$0.21
K15342	4 oz.	.29
K15343	8 oz.	.44

GC Plastic Cement

Best grade pyroxilyn cement for cementing all types of plastics.

No.	Quantity	Each
K15273	2 oz.	\$0.32
K15274	8 oz.	.73

Color Coding Enamel

For color coding coils, terminals, etc.
 Green, blue, red, yellow and a bottle of thinner. Two brushes are included.
K15258—Your Cost... 29c



GC Wood Cabinet Glue

Best quality wood glue for repairing cabinets. Strong and fast drying. Will not injure cabinet finish.

No.	Quant.	Each
K15350	4 oz.	\$0.25
K15400	8 oz.	.44
K15401	16 oz.	.73

WALSCO Contact Cleaning Fluid

Prepared to clean tuning condenser springs, volume controls, switches, etc. Prevents corrosion of contacts. With brush. 2-oz. bottle.
K15377—Your Cost... 24c

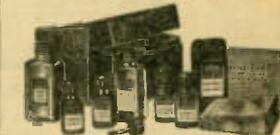


"WALSCOLUB B" Lubricant

New chemical that eliminates noise on band switches, controls, and other air exposed contacts. Superior to graphite. In a dispenser tube. Keep a tube handy.
K15378—Your Cost... 29c



Cabinet Repair Kits



Handy kit, ideal for radio shops, stores, trucks, etc. Small brushes in caps of all bottles make quick patching of damaged cabinets easy. Kit contains bottle each of: Ivory spirit enamel, light and dark, dark brown lacquer enamel, walnut spirit stain, polish remover, French varnish; 3 sheets garnet finishing paper, steel wool, polishing cloth and instructions. Shpg. wt. 3 lbs.
K15527—Your Cost..... \$1.15

For use on plastic, bakelite or wood cabinets. 9 shades of shellac sticks, bottles of light and dark oil stain, bottle of metal shading lacquer, Magic Scratch Remover, alcohol lamp, spatula, touch-up brushes, steel wool, etc. Shpg. wt. 3 lbs.
K15521—Your Cost..... \$2.06



Cabinet Touch-Up Kit: Same as above, less Scratch Remover, shellac sticks, lamp and spatula (stains only). Ideal size and equipment for servicemen to keep in tool kit. Wt. 2 lbs.
K15522—Your Cost... 35c

Handy Scratch Remover

A simple dab with the brush and the blemish disappears. Touch-up wax on the other end. Provided with handy fiber carrying case.
K15520—Each... 21c
10 for... \$1.89



soldering irons

DRAKE Soldering Iron



Elements wound on high grade amber mica with finest nichrome wire. Furnished with 6 ft. cord and "Magic Cup" iron stand. 100 Watts; Model 325. With 3/8" tip. For medium radio and switchboard work. Shpg. wt. 3 lbs.
K15162—Each.....\$2.65

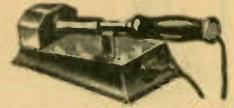


HOTIP Soldering Gun

Heats in 5 seconds. Just press the button and start working. Has a special GRAPHCO heating element in copper tip. H-6 for use from a 6-volt source only. H-110 can be used from a 110-120 volt AC line or a 6-volt battery.
 K14973—H-6. Wt. 2 lbs.....\$2.94
 K14975—H-110. Wt. 4 lbs.....6.47
 K14954—Extra Copper Tip......30
 K14977—Graphco Element......15

ESICO Thermostatic Control Stand

Use of this unit makes it impossible to overheat iron. Iron can be maintained at any desired temperature while in stand. When removed from control, full current is applied to iron. For irons with up to 1" diam. tips. Shpg. wt. 3 lbs.
K14885—Stand Only.....\$3.82
 Your Cost.....



ESICO High Quality Soldering Irons



Preferred by technicians everywhere. All are constructed of the finest materials and will give long, dependable service. High grade elements are wound on finest mica insulation. Underwriter's approved. Furnished with 6-ft. cord set. For a.c. or d.c. All models are supplied WITH STAND. Wt. 3 lbs. Instantly replaceable forged copper tip. Wide choice for light or heavy duty. Cord protected by spring in the handle.

With Plug-In Tips

Stock No.	Watts	Tip Dia.	Your Cost
K14848	65	3/8"	\$1.73
K14854	100	3/8"	2.32
K15174	150	3/8"	2.91

Constant Duty Models

Plug-tip irons especially designed for use in constant duty at factories, labs, etc. For 110 volts a.c. or d.c. Wt. 4 lbs.

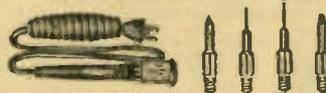
Stock No.	Watts	Tip Dia.	Your Cost
K15190	110	3/8"	\$3.23
K15191	130	1/2"	4.55

WELLER Soldering Gun



A must in the kit of every man who makes soldered electrical connections. Heats in five seconds; see where you work; gets into tight corners. Operating on the same principle as the resistance welder. 100 watts, 115 volts, 60 cycles AC.
K14907—Your Cost.....\$12.69
 K14841—Tip Fastening Stud......10
 K14844—Copper Tip......05

UNGAR Soldering Pencil



Light soldering pencil draws only 20 watts. Heats in 90 seconds. Choice of five interchangeable tips. Overall length, 7". Wt. 8 oz.
 K14982—#776 Solder Pencil, less tip. 78c
 Your Cost.....
 K14983—#536 Standard Tip..... 78c
 K14984—#537 Pencil Tip..... 78c
 K14986—#538 Chisel Tip..... 78c
 K14987—#539 Chisel Tip, Extra Hot..... 78c

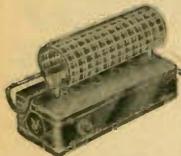
Truest DeLuxe Irons Approved By Underwriter's



The best soldering iron values on the market today! All Truest DeLuxe irons feature: replaceable elements wound on metal cores, with best grade mica insulation; replaceable hard drawn copper tips, tinned; one-piece cases finished in gun metal; replaceable smooth black wood handles; Underwriter's approved cord with cord spring. For a.c. or d.c. All furnished complete with metal stands. Shpg. wt. 3 lbs.

K15180—75 Watts, 110/120 V.	\$1.50
Your Cost Each	
K15197—75 Watts, 220/250 V.	\$1.65
Your Cost Each	
K15182—90 Watts, 110/120 V.	\$2.25
Your Cost Each	
K15198—90 Watts, 220/250 V.	\$2.45
Your Cost Each	
K15184—170 Watts, 110/120 V.	\$3.60
Your Cost Each	
K15193—170 Watts, 220/250 V.	\$3.95
Your Cost Each	
K15187—300 Watts, 110/120 V.	\$5.35
Your Cost Each	
K15188—300 Watts, 220/250 V.	\$5.35
Your Cost Each	

DRAKE Heat Control



The Drake Heat Control is the only control that allows constant temperature at all times. No thermostats to stick. A flip of the switch and iron is ready for use in a few moments. "Hot", "Warm" position switch #300H.

100-watt irons only.
K14884—Your Cost.....\$2.94

DRAKE "Special" Irons



An excellent iron for occasional use.

Heating element is of nichrome wire. Heats up in surprisingly short time. Handle of cherry wood. Consumes 60 watts. Wt. 3 lbs.
K14846—With 1 Tip.....88c

All Drake irons complete with 6-ft. cord and soldering iron stand.

K14883—#326. 125 w, 3/8" tip.	\$3.23
Your Cost	
K14908—Model 425. 200 Watt 3/8" tip	\$5.29
Your Cost	
K14921—Model 800. 200 Watt, 3/8" tip	\$6.38
Your Cost	
K14950—Model 600. 100 Watt, 3/8" tip	\$4.80
Your Cost	

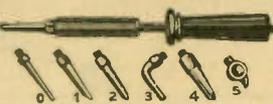
Compact Pencil-Type Irons



Compact insulated handle, cork finger guard. 6-ft. cord, plug and removable tip.

K15155—25 watts. 1/4" tip.	\$1.47
Your Cost Each	
K15154—40 watts. Heavy-Duty, 3/8" tip.	\$1.83
Your Cost Each	

KWIKHEAT Thermostatic Irons



Powerful, yet light in weight, the 225 and 450 watt Kwikheat irons feature built-in thermostatic heat control which prevents overheating and results in longer lasting tips, infrequent retinning and more uniform soldering. Heats up ready for use in only 90 seconds. Stands included. Supplied with #1 tip.
 K14871—450 watt. Wt. 4 lbs.....\$10.87
 K14870—225 watt. Wt. 2 lbs.....8.25
 K14840—Extra tips, 0 to 5, specify, ea. .94
 K14872—Kit of 5 tips (0-2-3-4-5)..... 4.13

DRAKE Solder Pots



Solder pots for large volume use. Both units come complete with a detachable cord and plug. Replacement elements can be purchased for these. Model 200 is 2 1/2" in diameter and 2" deep. Model 100 is 1 1/2" in diameter and 1" deep. Wt. 6 lbs.
 K14953—Model 200, 200W. \$4.87
 Your Cost.....
 K14836—Model 100, 150W. Wt. 3 lbs. \$3.75
 Your Cost.....

DRAKE Compact Iron

Smallest industrial iron, for tight corners and delicate instrument wiring. Measures 9" and weighs only 9 oz. 60 watts with 1/4" tip. With 6-ft. cord and Magic Cup stand. Underwriter's Approved. Wt. 1 lb.
K14835—Model 400. Each.....\$2.91

JACKSON Heavy Duty Irons

Extra heavy duty irons designed especially for industrial or shop use. Heating element and all parts renewable. 6-ft. cord, removable handle. Wt. 2 lbs.

With Screw-In Tips

Soldering Irons			Extra Tips		
Stock No.	Watts	Tip Dia.	Your Cost	Stock No.	Your Cost
K14874	85	1/2"	\$2.58	K14886	45c
K14853	100	3/8"	3.23	K14887	55c

With Plug-In Tips

K15176	85	3/8"	\$2.63	K15166	35c
K15177	100	3/8"	3.31	K14903	42c
K15178	150	3/8"	5.52	K15168	55c

"AMERICAN BEAUTY" Irons



100-Watt, Model 3138

America's most famous iron. Length 12 3/4". With 3/8" tip and 6-ft. cord. Stand supplied. Shpg. wt. 2 lbs.
K15171—Your Cost.....\$5.29
 K15170—Extra tip for above. Each... 37c

50-Watt, Model 576
 A smaller "American Beauty," 1/4" tip. With stand. Shpg. wt. 2 lbs.
K15172—Your Cost.....\$3.31
 K15173—Extra tip for above. Each... 23c

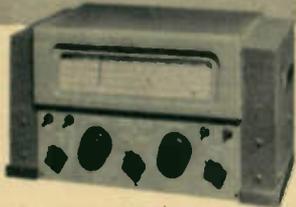
200-Watt, Model 3158
K14988—3/8" tip. Your Cost.....\$6.32
 K14989—Extra tip for above..... 73c

"Magic Cup" Iron Stand

Insert tip into Magic Cup and oxide disappears.
K14880—Shpg. wt. 1 lb. Your Cost.....\$4.4c
 Plain Stand Only. Less magic cup.
K15219—Your Cost.....35c

NATIONAL COMPANY RADIO RECEIVERS

NATIONAL NC-46



The NC-46 is a ten-tube superhet covering a continuous frequency of 550 to 30,000 KC and combining capable performance with low price. Features include a series valve noise limiter with automatic threshold control, CW oscillator, separate RF and AF gain controls, and amplified and delayed AVC. Power supplies are self-contained and operate on 105-130 volts AC or DC. An audio output of 3 watts is provided by push-pull 25L6's. Provision is made for either headphones or speaker. A straight line frequency condenser is used in conjunction with a separate band spread condenser. Full vision dial is calibrated for each range covered and a separate linear scale is provided for band spread calibration. Tuning condensers have inertia type drive. Finished in gray crackle. Dimensions are 17" wide, 11" high by 9 1/4" deep. This receiver, new in design and performance, is a fitting addition to the well known National line. Shpg. wt. 52 lbs.

K21081-NC-46. Less speaker. **\$97.50**
Your Cost

NC-46TS PM speaker in matching cabinet. K21082-Shpg. wt.-10 lbs. **\$9.90**
Your Cost Each

NATIONAL NC-2-40D



The NC-2-40D is a twelve-tube superheterodyne receiver covering a continuous frequency of 490 to 30,000 KC. One stage of RF amplification, a separate first detector and stabilized HF oscillator, two IF stages, an infinite impedance second detector, a self-balancing phase inverter and audio amplifier, and an 8-watt PP output stage. Auxiliary circuits include a crystal filter with exceptionally wide selectivity range for use on both CW and phone, a series valve noise limiter, AVC, beat oscillator, tone control, and signal strength meter. Built-in power supply. Normal operation is from 110-120 volt, 50-60 cycle AC only. A special plug is provided for operating from a battery, vibrator or dynamo supply. Moulded polystyrene coil forms are used in both RF and IF circuits and padding and tuning condensers are of the air dielectric type. There are six calibrated coil ranges tuned by a control with a 60 to 1 ratio. Finished in gray crackle and chrome. 19x12x10 1/2. Less speaker. Wt. 80 lbs.

K21160-NC-2-40D. **\$225.00**
Your Cost Each

NC2-TS-Table model PM speaker in matching cabinet. Shpg. wt. 19 lbs. K21161-Speaker. Your Cost Each **\$16.44**

NATIONAL 1-10A



The National 1-10A receiver has proved to be well suited to very high frequency use, as shown by the continued application of this receiver to amateur and commercial services. Its simplicity, compactness, sensitivity and ease of operation are outstanding in this type of equipment. In addition to the many circuit refinements in this model, backlash has been minimized by a re-arrangement of the components. The famous PW type dial and drive is used in order to provide a maximum of tuning ease. The PW dial revolves ten times in covering the tuning range, and the numbers visible through the small windows continuously change as the dial revolves to give consecutive numbering from 0-500. This extremely effective method provides a scale length of approximately twelve feet. Tuning of this unit truly becomes a matter of accuracy and pleasure. Tubes: 1 954 RF Amplifier, 1 955 Super-regenerative Detector, 1 6J5 First Audio, 1 6V6 Audio Output. Freq. range is from 28 MC to 280 MC inclusive in six ranges.

K21254-1-10A Receiver with Tubes **\$67.50**

K21336-Matching Speaker, Type MCS \$12.00
K21255-Matching Power Supply. **\$22.43**

NATIONAL HRO SERIES AND ACCESSORIES

HRO SERIES



World's finest communications receiver, complete with deluxe relay rack, power supply, speaker and spare coil cabinet, in a single unit for table or desk use. Chrome strips between units and speaker grille coincide with other new streamlined features. Standard model includes all coils for continuous range of 1.7 to 30 mc. Same coils, by simple switching method, may be used for band-spread on amateur bands, providing nearly 12-feet of dial space for each band. Low-drift oscillator and extremely favorable signal to noise ratio provide constant signal level. A new type tuning condenser of extremely rigid construction is used in this series. The famous PW type dial and drive is used in order to provide a maximum of tuning ease. The PW dial revolves ten times in covering the tuning range, and the numbers visible through the small windows give continuous consecutive numbering from 0 to 500. 2 stages of tuned r.f. provide exceptional sensitivity and image rejection ratio. Lamb type xtal filter circuit. AVC and manual control. V.T. voltmeter calibrated in "S" units. Phone or loudspeaker operation. Finished in black leatherette enamel.

K21262-HROC5, complete as shown, with 4 sets coils (14-30, 7-14.4, 3.5-7.3, 1.7-4.0 mc). Shpg. wt. 119 lbs. **\$353.85**
Your Cost

K21251 - HRO-5RA1, rack mounting, as above, less all other units, with 3/16" black aluminum panel. 8 3/4" panel height. Shpg. wt. 62 lbs. **\$274.35**
Your Cost

K21265-HRO-5TA1, table model, otherwise as above, less all other units. Shpg. wt. 62 lbs. **\$274.35**
Your Cost

NOTE: All of the National HRO Models listed above are the new type employing the 6.3 volt series tubes. All are finished in black wrinkle. All are complete with built-in noise limiter.

HRO ACCESSORIES

The accessories listed below for the HRO Series Receivers cover all the accessories required in conjunction with the HRO. Any additional accessories that may be brought out in the future can be supplied by us. Write, stating accessory desired, National parts number, description and style or type. K21320-Type SPC. Combination power supply speaker and coil cabinet, rack mounting 15 1/4" high. Shpg. wt. 48 lbs. **\$65.10**
Your Cost
K21279-Type MRR. Relay Rack only. 24 1/2" panel space. Wt. 21 lbs. **\$14.85**
Your Cost

POWER SUPPLIES

K21322-Type 697. With tubes, for 6.3 volt tubes. Shpg. wt. 15 lbs. **\$20.36**
Your Cost
K21323-Type SPU697. As above, Rack Type. Shpg. wt. 36 lbs. **\$37.95**
Your Cost
K21325-Type 686. Table type Vibrator Power Pack. For 6.3 V. DC. **\$34.16**
Wt. 12 lbs. Your Cost

SPEAKERS

K21336-Type MCS. 8" PM Dynamic with 7000 ohm transformer in metal cabinet. Shpg. wt. 12 lbs. Your Cost **\$12.00**
K21337-Type RFSH. Rack-mounted speaker as above, but on 8 3/4" panel, black "leatherette" finish. Wt. 16 lbs. Each **\$21.70**
K21338 - Type HCRP. Rack-mounted Coil Cabinet. With compartment for 5 HRO coils. Wt. 14 lbs. Your Cost **\$18.00**

ADDITIONAL HRO COILS

K13774-Type E-900-2050 kc. **\$15.35**
K13773-Type F-480-960 kc. **\$15.35**
K13772-Type G-175-430 kc. **\$20.93**
K13779-Type H-100-200 kc. **\$23.03**
K13765-Type J-50-100 kc. **\$27.91**

If further information on National parts, sets, or accessories is desired, we will be happy to supply the latest National catalog upon request.

HAMMARLUND

HAMMARLUND Super-Pro Series 400 Communication Receivers

One of the best known communications receivers with a wide tuning range that takes in all of the regular broadcast band as well as all short wave broadcast and communications channels up to 30 megacycles. Covers a continuous range in 5 steps from .54 to 30 megacycles. Includes such features as: two tuned RF stages with practically complete image rejection; improved HF converter stage with separate oscillator; 3 IF stages with variable selectivity; automatic gain control; variable crystal filter and a separate AVC amplifier for maintaining uniform level of fading stations; 2nd detector with a modern noise-limiting circuit using a separate tube; three stages of audio frequency amplification provide over eight watts of high fidelity audio for reproducing high-quality broadcast programs or for use with a modern record player for home entertainment; separate heavy-duty hum free power supply, beat oscillator, S-meter, and many other refinements. The tuning conductors are "dual-trimmed" for perfect tracking with a midget air dielectric variable capacitor. The S-meter is calibrated in units of 6db and has compensated sensitivity for dealing with strong signals. The specially designed master band switch has silver-plated contacts. No moving part carries current. Variable selectivity IF transformers instantly transforms the Super-pro from a high fidelity broadcast receiver to a super-sharp commercial receiver. Size: 25" x 15" x 14". Shpg. Wt. 132 lbs.

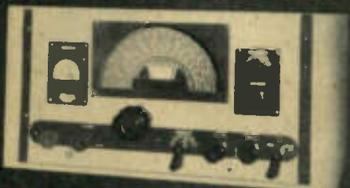
K21040—SPC400SX With PM Speaker In Cabinet, 7.5 meters to 240 meters, Your Cost Each, Complete with Speaker.....	\$323.25
K21042—SPR400SX as above but for Rack Mounting, Your Cost Each.....	\$333.75
K21044—SPC400X 10 meters to 560 meters, Your Cost Each.....	\$347.25
K21046—SPR400X As Above, But For Rack Mounting, Your Cost Each.....	\$357.75

HAMMARLUND HQ-129-X Amateur Communications Receivers

The ham's receiver with the professional touch. Covering 31 to .54 MC., 9.7 to 555 meters, shortwave listeners too will find this a most excellent DX receiver. Built to meet the needs of the most discriminating professional or amateur radio operator. Very easy to operate stable in performance, and sensitive enough to pick up extremely weak signals. Six bands fully calibrated for quick and simple location of stations. Has a built-in fully adjustable S-meter for reading comparative strength of signal, in addition to 310 degrees of band-spread. Four calibrated scales and one arbitrary scale. Stable beat oscillator provides pleasing heterodyne for code reception. Noise limiter reduces out ignition interference and other similar noises. Earphone jack cuts off speaker when phones are in use. Audio gain control provides ample room volume. Controls are smooth and accurate; no slipping or jamming. Six-band high-efficiency switch with insulated shaft and ceramic oscillator section. An antenna compensator to maintain high sensitivity and maximum image rejection. Send-Receive switch permits operation of transmitter with a minimum of noise from the receiver. Crystal filter phasing takes out annoying heterodyne whistles. Six position control for variable band width—crystal filter works equally well on both phone and C.W. Size 23" x 18" x 15". Shpg. Wt. 73 lbs.

K21048—Hammarlund HQ-129-X, Your Cost-Each, Less Speaker.....	\$161.40
K21049—Speaker for the HQ-129-X, Your Cost Each.....	\$ 11.85

RADIO MANUFACTURING ENGINEERS



RME-45 Receiver

The RME-45 is the outgrowth of a long series of instruments built for practical all-coverage radio reception on phone as well as CW, with a range of 500 to 33,000 KC. Full vision scale indirectly illuminated from the front. A dull black background with fine white scale divisions and distinct numerals on an eight-inch circular steel plate. The traveling pointer, mounted edgewise, is painted red for distinctive contrast. Five amateur bands are accurately calibrated and well spread. Unusually stable oscillator section. Both relay control and an open break-in connection provided at the rear. Thus, in conjunction with the Stand-by-Transmit switch, the operator may perform the necessary operations as per the diagram. A DB meter, illuminated indirectly, is calibrated in steps of 6 decibels per "R" reading, beginning at zero on up to 48 db for an R9 reading. Five positions for crystal selectivity. Octal tubes: 1 7B7 RF, 757 detector and oscillator; 7B7 IF, 7B7 IF, 7B6 det. and BFO, 7A6 noise limiter, 7C7 AF, 7C5 beam power output, 80 rect. 19" wide, 10 1/2" high. Shpg. Wt. 65 lbs.

K21181—RME-45. **\$198.70**
Your Cost.....



VHF-152 Converter

For 2, 6, and 10 meters

Because of the new miniature VHF tubes, and engineering design and construction, sensitivity on all three bands is of the order of 2 microvolts. Image rejection ratio is approximately 54db which for all practical purposes makes images non-existent. Provision is made for the use of four separate antenna connections. Each band has its own specially designed antenna input circuit. It is also provided with a change-over switch to facilitate switching the receiver either to a regular low-frequency antenna or to the converter output. Antenna input impedance is approximately 300 ohms on all ranges. A shielded output cable is provided for connection to the receiver. The cable reduces the possibility of stray pickup at the IF frequency. It can be used with any all-wave or amateur type communications receiver. The output impedance of the converter is also 300 ohms. All metal parts are of heavy construction and plated or finished to provide resistance to corrosion. Dimensions: 11" x 12" x 11". Power supply: 115 volts, 50-60 cycles. Complete with tubes. Shpg. Wt. 20 lbs.

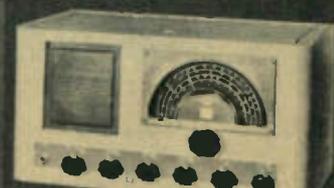
K21195—VHF-152. **\$86.60**
Your Cost.....



DB-20 Preselector

For added selectivity and gain when operating a communications receiver, the DB-20 preselector is the perfect solution. Frequency coverage is from 9 to 540 meters (550 to 33,000 KC). The input circuit is of the typical matched doublet type plus a single wire to ground arrangement permitting high gain matching to any antenna. The output circuit is of the low impedance type, 150 to 350 ohms, equipped with an output plug and line for direct connection to the input circuit of your receiver. The signal-to-image ratio obtained by using the DB-20 with a good communications receiver employing one stage of RF amplification is greater than 1500 to 1 at 28 MC. At 14 megacycles the signal-to-image ratio is approx. 50,000 to 1. Self-contained power supply, two 6K7 tubes and an 80 rectifier. Range is covered in six bands. Individual gain control in addition to the regular six-band switch and finger-tip control mechanism. Finished in attractive gray crackle. Rigidly built and tested to exacting specifications. An excellent signal strength booster and image response rejector. 9 1/2" x 9 1/2" x 10 3/4". Shpg. Wt. 20 lbs.

K21197—DR-20. **\$68.20**
Your Cost.....



RME-84 Receiver

All-band receiver for phone and CW. An important feature is the continuous coverage ranging from 540 KC to 44 MC. Calibration is made on a 7-inch diameter scale with raised numerals on a black background and indirectly lighted to provide maximum visibility without glare. Sensitivity is of the order of 2 microvolts over the entire range of the instrument. Front panel controls are arranged for ease of operation; headphone jack, CW/transmit/phone switch, beat frequency oscillator pitch control, noise limiter switch, audio gain control, tone control and ON-OFF switch, band selector switch, radio frequency gain control and automatic volume control switch. Cabinet is 18" x 9 3/4" and 9 3/4" deep, with a top hinged cover. A 5-inch PM speaker is built directly into main cabinet and is shock-mounted on rubber. Tube lineup comprises: 7B7 RF Amp., 757 1st Det. and R. F. Osc., 7B7 1st IF, 7B7 2nd IF, 7K7 2nd det. and 1st Aud. Amp., 6G6G Output, 5Y3 Rectifier. May be operated from either 115-volt, 60 cycle AC supply, batteries or power pack. 18" x 9 3/4" x 9 3/4". Shpg. Wt. 31 lbs.

K21196—RME-84. **\$98.70**
Your Cost.....

Ham Headquarters For Communications Receivers

MILLEN Transmitter Sub Units

These are basic units for incorporation in the assembly of complete amateur and commercial transmitters. Ideal universal equipment for general laboratory and experimental use.

High Voltage Power Supply

D.C. Output 700 Volts
Maximum Current 235 Ma.
A.C. Fil. Power 6 Volts @ 4 Amps.
Power Source 115 V 60 cyc., 60 W

This power supply is an ideal unit for use with transmitters, as well as for general laboratory purposes. The power supply uses two No. 816 rectifiers and has a two section Pi filter with 10 henry General Electric chokes and a 2-2-10 mfd. bank of 1000 volt General Electric Pyranol capacitors. For convenience of operation, a dual AC input terminal arrangement is provided. First, there is the conventional AC cord and connector; second, there is, in parallel with this connector, a terminal block with extra connections for independent switching of the filament and plate transformers. The front panel carries the filament and plate toggle switches and their associated pilot lamps, for use when the remote switching system is not employed. The panel is standard 8 1/2" x 19" rack mounting. Shipping weight 60 lbs.

K21050—MILLEN No. 90281, less tubes. \$84.50
Your Cost, Only

R-F Power Amplifier

A 500 watt amplifier for use as the basis of a high power amateur transmitter or to increase the output of an existing transmitter. As shipped, the unit is wired for use with 812 tubes, but full instructions are furnished for readjusting for operation with such popular tubes as Taylor TZ40, Eimac 35T, T55, HK154, RK35, etc. The amplifier is of unusually sturdy construction and is mounted on a standard 8 1/2" x 19" rack panel. Individual grid and plate milliammeters are on the front panel, as well as the grid and plate circuit tuning controls. One set of 500-watt coils with swinging link antenna coupling are furnished, **specify band**. The unique plate tuning condenser has constant low impedance and multi-finger high current rotor contactor, and is rated at 6000 volts peak. Disc-type neutralizing capacitors have stop to prevent shorting and a rotor lock. Shpg. Wt. 25 lbs.

K21051—MILLEN No. 90881, less tubes. \$89.50

Your Cost, Only

Grid and Plate K21055—10 m. \$4.10	K21057—40 m. \$4.10
Coil Sets K21056—20 m. \$4.10	K21058—80 m. \$4.10

Each Freq.

MILLEN R-F Preamplifier

ONE-TUBE PREAMPLIFIER AUTOMATICALLY MATCHES ANTENNA! Literally plucks weakest signals clear out of the noise! Here is an electronic impedance-matching device and a broad-band preamplifier which does just that. Designed to work primarily on the 6 and 10 meter bands, it assures you a minimum gain of 30 decibels. This gain is achieved in two ways. Once tuned, your receiving antenna is automatically matched to your receiver—and every "ham" knows what tremendous gain is obtained by a proper match, particularly on the 6 and 10 meter bands, where receiver input impedance may vary considerably from its stated value. Actual gain ranges from several db to as high as 30 db. Additional boost of 30 db effected by 6AK5 miniature tube, which acts as a broadband r-f amplifier stager. In tests this preamplifier picked up signals which could not ordinarily be heard even with the use of EFO!

Circuit Details: The circuit consists essentially of a broad-tuned grid and broad-tuned plate, a standard cathode bias system and an adjustable screen supply. Bandwidth is 2 mc. on ten meters and 5 mc. on 6 meters, dropping off only one or two db at each end. Plate voltage is not critical; almost any voltage will operate the 6AK5. The finest precision made coils, condensers and other components have been used. Furnished with 10 meter coil box, less tube. Size: 3"x4"x5". Shpg. wt. 14 lbs.

K21052—MILLEN No. 92101, 10 m. coil only, less tube. \$24.75
Your Cost, Only

Note: 6 meter coil will soon be available. Price upon request



MILLEN Variable Frequency Oscillator

COMPLETE CONTROL OF TRANSMITTER FROM THE OSCILLATOR PANEL!
Operating Features: Stable gang-tuned electron-coupled oscillator; voltage-regulated power supply; high or low impedance output with power to drive any tube up to an 807, output on 40 or 80 m.; accurately calibrated full-vision bandspread dial for 10, 15, 20 and 80 m. amateur bands.

Circuit Features: Careful circuit design makes this oscillator unusually stable and drift-free—high capacitance oscillator grid circuit; untuned oscillator plate circuit; large temperature, compensated oscillator grid coil; temperature-compensated capacitors; regulated plate and screen voltages. Keying is clean and free from all annoying chirp, quick drift, jump and similar difficulties.

Convenience Features: Good electrical bandspread for each amateur band, not one band only! Panel dial has 13 to 1 drive ratio. Output may be coupled to a low impedance link; or, by means of the supplied plug-in adaptor, the output may be plugged into a transmitter crystal socket or connected directly to a grid. Band change, including bandspread change, is accomplished by turning a switch on the panel (no plug-in coils).

Power Source: 105-125 volts 50-60 cycles 60 watts.
Tubes: 6SK7 oscillator, 6L6 amplifier, 5V3GT rectifier, VR150 voltage regulator, and VR75 voltage regulator. Shipping wt. 29 lbs.

K21053—MilLEN No. 90711, including tubes and impedance adaptor. \$74.50
Your Cost, Only

ABBOTT 2-Meter Transmitter-Receiver

Ultra High Frequency 2 Meter Transmitter Receiver For 144-188 Mc Operation—With Acorn 955 Tube Used in Receiver—Operates From Vibrator or AC Power Supply.

The TR-4B Radiotelephone and Receiver Unit can be used for fixed station operation or as a mobile unit in an automobile, truck, boat or plane anywhere where a 6 volt battery or 110 volts 60 cycles AC is available.

FEATURES:

1. Radiation from the receiver reduced to a negligible value.
2. The receiving circuit and its antenna coupling can be adjusted for optimum performance.
3. The transmitter circuit and its antenna coupling can be tuned for maximum power output and efficiency.
4. No retuning when changing between transmitting and receiving.
5. Jacks provided for measuring oscillator and modulator current.

Range 5-75 miles. In tests, up to 290 miles have been covered.
GENERAL SPECIFICATIONS: The TR-4B incorporates a separate receiver using an Acorn 955 as the super-regenerative detector and a separate transmitter utilizing a Hytron HY-75 as an ultra-high frequency oscillator. The receiver portion has a specially designed circuit and many mechanical refinements such as: front panel control, variable inductive coupling variable sensitivity control, and audio volume control. No retuning is required when going from SEND to RECEIVE. A self-contained 5" PM speaker provides good volume from most stations. Any good single button mike will work satisfactorily.

TUBE FUNCTIONS: Receiver—955 super-regenerative detector, 7F7 first audio, 6L6 or 6V6 power audio. Transmitter—HY-75 oscillator, 7F7 audio, 6L6 or 6V6 modulator. **DIMENSIONS:** 9" x 8" x 4 1/2". Shipping weight 15 lbs.

K21107—ABBOTT TR-4B, less tubes. \$52.00
Your Cost, Only

THE PANORAMIC Panadaptor

Panoramic reception enables the operator to see at once a continuous overall picture of band activity or examine the character of any signal, his own or another's. With the PANADAPTOR connected to your receiver you can see up to 200 kc of the band at once on the 2-inch oscilloscope! Just look at some of these unique advantages and see why the Panadaptor is indispensable for alert progressive amateurs!

1. Acts as an additional tunable receiver. Enables simultaneous reception of many radio signals, continuously selectable from a broad band of frequencies down to a single frequency.
2. Enables interpretation of transmitter signal characteristics (your own and others) of such factors as key clicks, hum and noises. You can detect frequency shift on CW, distortion, carrier shift and splatter, spurious supersonic and RF parasites on phone, frequency deviation (AM or FM) and modulation characteristics of FM signals. Also indicates percentage of modulation—upward, downward or overmodulation.
3. Instantly identifies QRM signals. Selects QRM-free spots within a band for sending and listening. Provides instantaneous S-meter for CW and 'phone signals heard through receiver.
4. Spots replies to CQ's. Facilitates network operations.
5. Assists in making adjustments of your transmitter and antenna. Consistently, after once using the Panadaptor with their rigs, amateurs claim that without Panoramic they'd be at a loss in practical phases of operation ranging from looking over the band or spotting replies to their CQ's to checking the other fellow's modulation. Handsomely finished to harmonize with the rest of your rig. 6 1/2" x 11" x 9 1/2". Shpg. Wt. 20 lbs. Descriptive booklet sent free on request.

K21054—Complete with tubes \$99.75
Your Cost



"THE RADIO MAN'S RADIO"



Model S-38

- 540 KC to 43 MC in four bands
- Adequate overlap of band ends
- Separate electrical bandspread
- Adjustable BFO pitch
- CAM/CW switch operates AVC
- Standby-Receive Switch
- Automatic Noise Limiter
- Excellent audio response
- Internal PM speaker in top
- Easy-to-operate controls
- 105-125 volt AC/DC operation
- Six modern tubes
- Handsomely designed cabinet
- Pin jacks for headphones
- An excellent standby receiver
- Easily portable

The Model S-38 meets the demand for a truly competent communications receiver in the low price field. Styled in the post-war Hallcrafters pattern and incorporating many of the features found in their more expensive sets the S-38 offers performance and appearance far above anything heretofore available in its class. Four tuning bands, CW pitch control adjustable from the front panel, automatic noise limiter, self-contained PM speaker and "Alrodized" steel grille, all mark the S-38 as the new leader among inexpensive communications receivers. It is an especially fine receiver for younger people just beginning to find the unending fascination offered by radio as a hobby. In addition to being a good standby receiver for any amateur, the S-38 has unlimited uses. Its compact functional design, its high performance on both short waves and standard broadcast reception makes it an ideal receiver for use in the den, library, college dormitory, camp or cottage or in any room around the house wherever a good extra receiver is desired. Main tuning dial is accurately calibrated for precise tuning. Adequate overlap provided at both ends of the bands.

The Model S-38 is price-designed as a new leader. The beat frequency oscillator pitch is adjustable from the front panel. The AM/CW switch also turns on the Automatic Volume Control in the AM position. The maximum audio output is 1.6 watts. Controls arranged for maximum ease of operation. A ground terminal is also provided. Equipped with tip jacks for earphones. The entire receiver is housed in a sturdy steel cabinet finished in a rich satin black.

105-125 volt AC/DC. Resistor line cord for 210-250 volt operation available. Has external antenna terminals for a doublet or a single wire antenna. The chassis is cadmium plated. The lettering on the panel is in light gray and the switch knobs are red. The power consumption is 29 watts at 117 volts. Overall dimensions are: 12 3/4 inches long by 8 3/4 inches deep by 7 3/4 inches wide. The receiver alone weighs 11 pounds. Packed for shipment, it weighs 13 1/2 lbs. An attractive as well as an extremely useful addition to any home, radio station or ham shack and would look equally well on a busy executive's desk.

K21100—Model S-38 Comm. Receiver. **\$47.50**



Model S-40A

- Accurately calibrated dials
- Separate electrical bandspread
- Adjustable BFO pitch
- CW/AM Switch
- Standby-Receive Switch
- Automatic Noise Limiter
- Audio Output—2 1/2 watts
- Internal PM Speaker
- Separate RF, AF Gain Controls
- 3-position Tone Control
- Auxiliary Power Supply Socket
- HF Osc. Temperature-Compensated
- Permeability-adjusted RF coils
- AVC Switch
- Model SM-40 "S" meter connection
- Inertia Flywheel Tuning
- Nine Tubes including rectifier
- 540 KC to 43 MC in 4 Bands

The New Model S-40A combines both function and beauty in one great communication receiver, handsomely designed, expertly engineered. One stage of tuned radio frequency amplification, the S-40A uses a type 6SA7 tube as a converter-mixer for best signal-to-noise ratio. The RF coils are of the permeability adjusted "micro-set" type identical with those used in the most expensive Hallcrafters receivers. The high frequency oscillator is temperature-compensated for maximum stability. Maximum ventilation is assured by a multitude of tiny openings in the upper section of the cabinet. The entire top of the cabinet opens on a full-length piano hinge for complete accessibility. Panel and chassis may be removed from the cabinet as a unit without disturbing any of the controls or any of the internal connections. All controls are clearly identified and the normal positions for standard broadcast reception are marked in red, making it easy for the entire family to operate this receiver simply and effectively. Hallcrafters again points the way to exciting new thrills in listening pleasure, and to advanced developments in enjoyable, trouble-free radio listening.

The Model S-40A has many features never before available in this price class. The standard model is designed for use on 105-125 volts 50 to 60 cycle AC. The universal model S40U can be used on 110, 130, 150, 220, or 250 volts, 25 to 60 cycles AC. The standard model draws .76 amperes at 117 volts. When used with external batteries the heater current is 5 amperes at 6 volts, the plate current 70 ma. at 270 volts. Special socket, normally shorted by an octal plug, for external power supply and stand-by connections to the transmitter. SM-40 "S" meter socket connection provided. 18 1/2 inches wide by 9 inches high by 11 inches deep. Shipping weight approximately 33 pounds. 9 tubes: 6SG7 RF amplifier; 6SA7 converter; 6SK7 1st IF amp.; 6SK7 2nd IF amp.; 6SQ7 2nd Het. & 1st Audio Amp.; 6F6G Output Audio Amp.; 6H6 ANL and Gas Gate; 6J5GT BFO; 80 rectifier. 540 KC to 43 MC in four bands: 540/1700KC/1.7-5.35MC/5.35-15.7MC/15.7-43MC.

K21093—Hallcrafters Model S-40. Your Cost **\$89.50**
 K21092—SM-40 "S" Meter for Above. Your Cost **\$16.00**
 K21090—Universal Model S40U. Your Cost **\$98.50**



Model SP-44

The Model SP-44 Panoramic Adapter offers all the advantages of panoramic reception. In a steel cabinet finished to match the new Hallcrafters line. The cathode ray tube is provided with a light shade for greater visibility. Ten tubes: 6SG7 Amplifier; 6SA7 Converter; 6SG7 IF Amplifier; 6SQ7 Detector, Video Amplifier; 6AC7 Reactor; VR105 Voltage Regulator; 6SN7 Sawtooth Generator and Amplifier; 902A Cathode Ray Tube. 6x5 High-Voltage Rectifier. Operates on 105-125 volts, 50-60 cycle alternating current. Power consumption approximately 55 watts. Size: 11x6 1/2 x 10 1/2". Shpg. wt. 15 1/2 lbs.

K21091—Model SP-44. Your Cost **\$99.50**

See Back Cover Featuring . . .

'THE RADIO MAN'S RADIO'

Model S-37 Receiver

The Model S-37 has been designed to fill the need for very high frequency equipment with the performance characteristics of Hallicrafters top communications receivers, and with a frequency range extending above 200 MC. Has a continuous frequency range from 130 MC to 210 MC. The main tuning dial is accurately calibrated in megacycles. The bandspread is mechanical. FM/AM switch. Automatic noise limiter and provision for break-in operation. Separate RF and AF gain controls, variable tone controls. Socket for external power connections. Oscillator compensated for drift in frequency. AVC switch. Dual purpose "S" and tuning meter with adjustment from front panel. The RF assembly is easily removed for servicing. Antenna compensator mounted on panel. Two RF stages with acorn tubes. 500 or 5000 ohm output. Voltage regulator tube for maximum stability. Hermetically sealed transformers and reactors. All paper condensers are oil impregnated and hermetically sealed. Moisture-proofed wiring. Switch on chassis permits operation on 105-125 or 210-250 volts 50-60 cycles AC. Inertia flywheel tuning. A new pre-loaded gear drive with separate bandspread dial provides ease of tuning, and the entire range of the receiver is covered without band switching. Two RF stages are used and assure an amazing high ratio of image rejection. Hermetically sealed transformers and capacitors make



this receiver suitable for use in any climate. Controls: RF Gain, AVC On/Off, Antenna Trimmer, Send-Receive, Tone, ANL On/Off, Tuning, Meter Adjustment, AM/FM, AF Gain, Power On/Off. External connections: Input terminals for single wire and doublet antenna. 500 and 5000 ohm terminals for loudspeaker. Line cord and plug. All components mounted on a heavy steel chassis provided with special end plates for ease of maintenance. High frequency RF section is built on removable chassis. 19 1/4 inches wide by 9 1/2 inches high by 1 3/4 inches deep. Wt. 100 lbs. Cabinet is of steel finished in black wrinkle enamel.
K21079—Model S-37 Receiver. **\$591.75**
YOUR COST

Model S-36A Receiver

The Hallicrafters AM/FM/CW receiver Model S-36A is designed for maximum performance on the very high frequencies. Using acorn tubes in the RF amplifier, first detector and high frequency oscillator circuits, it provides continuous frequency coverage from 27.8 to 143 megacycles. Either a limiter and discriminator for FM or a third IF amplifier, diode detector and noise limiter for AM may be switched into the circuit from the front panel. The frequency range is from 27.8 to 143 megacycles in three bands. Band 1—27.8 to 46 MC, Band 2—46 to 82 MC, Band 3—82 to 143 MC. Adequate overlap is provided at the ends of all bands. The main tuning dial is accurately calibrated on all bands. Mechanical bandspread. Beat Frequency Oscillator, pitch variable from the front panel. BFO switch, FM/AM switch, Send-Receive switch, Automatic Noise Limiter, Push-Pull high fidelity output stage. Provision for break-in operation. Separate RF and AF gain controls. Four-position tone control with bass boost. Socket for external DC power connections. Oscillator compensated for frequency drift. AVC switch. Sharp-broad selectivity switch. Dual-purpose "S" and tuning meter. RF assembly easily removed for servicing. Antenna compensator mounted on panel. RF stage with acorn tube. 500 or 5000 ohm output plus special balanced 600-ohm output plus special balanced 600-ohm line with jack. Volt-



age regulator tube for maximum stability. Moisture-proofed wiring. Switch on chassis permits operation on 105-125 or 210-250 volts AC. Line fuse on front panel. Inertia flywheel tuning. Improved gear drive in dust-proof housing. Fifteen tubes. External connections; Input terminals for single wire and doublet antennas. 500-ohm, balanced 600-ohm, and 5000-ohm terminals for speaker. Line cord and plug. Octal socket on rear of chassis permits operation from external power source such as batteries, and makes provision for remote standby switch. Socket normally shorted by an octal plug. 19 1/4 x 9 1/2 x 1 3/4". Shpg. Wt. 100 lbs.
K21078—Model S-36A Receiver. **\$307.50**
YOUR COST

Model HT-9 Transmitter

The Hallicrafters Model HT-9 is an ideal medium power transmitter. The frequency range is 3500 KC to 18 MC and the amateur 28 MC band. The power output is 100 watts on CW, 75 watts on phone. Antenna coil will match any resistive load from 10 to 600 ohms. Maximum ventilation provided by louvers on sides, cut-outs at rear. Hinged top permits access to interior for changing coils and crystals. All operating controls on front panel. Self-contained power supply for 105-125 volts, 50/60 cycle AC operation. Input for any medium level, high-impedance microphone. Metering of cathode current of exciter or modulator, power amplifier grid and power amplifier plate. 100-percent modulation with low distortion. Carrier hum more than 40 db below 100 percent modulation. Frequency response flat within 3 db from 100 to 5000 cycles. Five operating frequencies may be pre set in the oscillator and buffer doubler stages and selected at will by means of the band switch. Line fuses mounted on rear of chassis. Convenient table mounting. Rugged construction and oversize components assure dependable operation. 14 tubes: 6L6 Crystal Oscillator (used above 8 MC only); 6L6 crystal oscillator or doubler; 8J4 Final RF Amplifier; 6SJ7 1st Speech Amplifier; 6J5 2nd Speech Amplifier; 4-6L6 Push-Pull Parallel Modulator Stage; 2-5Z3 Rectifiers; 80 Rectifier; 2-666 Rectifiers. In normal operation the transmitter draws approximately 3.5 amps.



(400 w.) Size: 29 1/4 x 12 1/2 x 20 1/2". Wt. 125 lbs.
K21346—Model HT-9 Transmitter. YOUR COST **\$250.00**

Coils For Above
K10278—80 Meters. K10285—40 Meters. **\$9.50**
Any Above, EACH SET
K10286—20 Meters. K10288—10 Meters. **\$10.50**
Either Above, EACH SET

Crystals For Above
K10293—40 M. K10295—80 M. **\$4.80**
Either Above, EACH
K10294—20 M. (for 10 m. aper.) EACH **\$5.75**

Hallicrafter's great, new **SX-42** 101

McMurdo Silver transmitting gear

Model 700 UHF Transmitter

Model 700 transmitter pioneers the shift to MOPA crystal control in the 140-144 and 235-240 MC bands. The 10x5x5 1/4" cabinet houses a complete two band transmitter and voice modulator. Uses one 6AQ5 as a Tritet crystal oscillator tripling in its plate circuit to drive a 6C4 doubler. A second 6C4 acts as a doubler for 2 meters or as a tripler for 1 1/4 meters. This drives an 832 push-pull beam power amplifier to 28 watts input. Crystal frequencies may lie between 12 and 12.333 MC for 2 meters and between 13.005 and 13.333 for 1 1/4 meters. Built-in modulator employs two 6AQ5's. Metal cabinet. Wt. 9 lbs. K21162—Less tubes, Each \$36.95 K21105—Model 700 Kit, Unassembled, less cabinet.....\$24.95 K21163—Tubes for above, 6 tubes, Your Cost\$14.29

Model 800 UHF Receiver

The Model 800 is a new non-radiating super-regenerative receiver for the 144/148 and 235/240 MC amateur bands. Uses a 6AK5 RF amp, a 6C4 super-regenerative detector, a 6AU6 1st audio and a 6AK6 power amp. Has a built-in PM speaker, inductive tuning, 7 feet plus of effective dial length. Low internal noise, excellent usable selectivity, practically zero radiation. Power supply anything from batteries to vibra-pack or simple AC power supply unit. Takes 1.05 amps at 6.3 volts and 40 ma. at 135 vdc Cabinet. 10x5x5 1/4", Wt. 7 lbs. K21164—Less tubes, power supply and coil\$36.95 K21165—Unassembled Kit, Less Cabinet, Your Cost.....\$24.95 K21166—4 tubes for above \$6.01 K21167—Two 2-meter coils \$1.40 K21168—Two 1 1/4-meter cis. \$1.40

Model 801-BHF Receiver

The Model 801-B high-frequency receiver is practically the same as the Model 801, except that it is designed primarily for dry battery operation. 4 miniature tubes are used: 1 1T4, 2 1S5's, 1 354. Gives an excellent account of itself in the 50-54 MC band where frequency stable transmitters are now mandatory.

Plug-In Coils (Ant. & Det. Pairs)

Type	Freq. (MC)	Type	Freq. (MC)
K21236	.45-.85	K21237	.845-1.56
K21238	3.45-6.55	K21239	6.4-12.
K21246	11.95-21.9	K21248	20.7-37.3
K21249	35.-60.		(all weigh 3 oz. ea.)

Your Cost Per Pair.....\$1.00
K21233—Complete Less Tubes, Coils and Batteries, Wt. 7 lbs. Your Cost\$28.95
K21234—Kit, Less Tubes, Coils and Batteries\$18.95
K21235—Kit of 4 Tubes.....\$4.92

Model 903 Absorption Frequency Meter

Model 903 Frequency meter covers the unusually wide frequency range from 1600KC up to 400-500 MC. Consists of an etched aluminum panel carrying 600-series low-loss Steatite insulated tuning capacitor, inductor socket and resonance-indicating lamp and socket. Wt. 12 oz. K21274—Model 903.

Your Cost\$3.30
Plug-in inductor with built-in lamp coupling coil. Your Cost Each
K21275—Type 100-1800/3200KC .65c
K21276—Type 101-3000/17500KC .65c
K21277—Type 102-7000/17500KC .65c
K21278—Type 103-17/30 MCS .65c
K21280—Type 104-50/150 MCS .65c
K21281—Type 105-100/300 MCS .65c
K21282—Type 106-400/500 MCS* .65c
* No lamp coupling coil.

Model 701 75-Watt Transmitter

1-6AQ5 miniature beam tetrode functions as Tritet crystal oscillator working straight through, doubling or quadrupling in its plate circuit to drive an 807 beam power amplifier. CW power output in all bands, 3.5/30 MC., is 50 watts. Wt. 9 lbs.

K21200—Complete less tubes, key, crystal, microphone, power supply, coils. Your Cost.....\$36.95

K21201—Kit, less cabinet \$24.95

Plug-In Coils for Model 701

Freq. MC	Tritet Cathode	Tritet Plate	P. A. Plate
3.5-4	K21202	K21203	K21204
7-7.3	K21205*	K21206	K21207
14-14.4	K21209**	K21211	K21212
21-21.5	K21205*	K21213	K21214
27-30	K21209**	K21216	K21219
50-54	K21209**	K21220	K21221

* 7MC Xtal. ** 14MC Xtal.

Any Coil, Your Cost Each.....\$2.00

K21229—Kit of 4 tubes.....\$5.27

Model 801 HF Receiver

The Model 801 is a necessity for every amateur, beginner, or old-timer, not only as a fine receiver but also as a piece of test equipment. A 6BA6 tuned RF stage precedes a 6AU6 regenerative detector which drives a 6C4 AF amplifier feeding a 6AK6 power amplifier pentode. Regeneration control is very smooth. Wt. 7 lbs.

Plug-In Coils (Ant. & Det. Pairs)

Type (MC)	Freq.	Type (MC)	Freq.
K21225	.45-.85	K21226	.845-1.56
K21227	3.45-6.55	K21228	6.4-12.
K21230	11.95-21.9	K21231	20.7-37.3
K21232	35.-60.		(all weigh 3 oz. ea.)

Your Cost Per Pair.....\$1.00

K21222—Model 801 Less Tubes, Coils, and Pwr. Supply.....\$29.95

K21223—Kit of 4 tubes.....\$4.00

K21224—Unassembled Kit Less Cabinet, Tubes, Power Supply and Coils.....\$19.95

Model 802 HF Single-Signal Superhet

A 6-band superhet for hams. Covers 3.5-4/7.7.3/14-14.4/21-21.5/50-54 and 27-30 megacycle bands. Uses 6BE6 first detector/electron coupled oscillator, 6BA6 regenerative single-signal variable-selectivity 455 Kc IF amp., 6J6 infinite imped. 2nd detector and beat oscillator, 6J6 (dual UHF triode) noise lim. & 1st AF amp., 6AK6 power pentode 2nd AF amp.

Plug-In Coils (Ant. & Det. Pairs)

Type (MC)	Freq.	Type (MC)	Freq.
K21267	3.5-4.	K21268	7-7.3
K21269	14.-14.4	K21270	21.-21.5
K21271	27.-30.	K21272	50.-54.

Your Cost per pair.....\$1.00

K21263—Less Tubes, Coils & Pwr. Supply. Wt. 7 lbs.....\$38.95

K21264—Kit, less cabinet \$26.95

K21266—Kit of 5 tubes.....\$6.21

Model 907 Keying Monitor

Small enough to take practically no room on the amateur operating desk audible. Basically a simple untuned receiver using a 12AT6 AF amplifier pentode, a 12AT6 diode detector, a 50B5 AF power amplifier, a 35W4 rectifier. Keyed signal audible through built-in loud speaker or headphone jack. 105/125 volt, 25/60 cycle AC operated. Cabinet, panel insulated from the mains circuit to avoid shock. Complete less tubes, 10x5x5 1/4", 7 lbs.

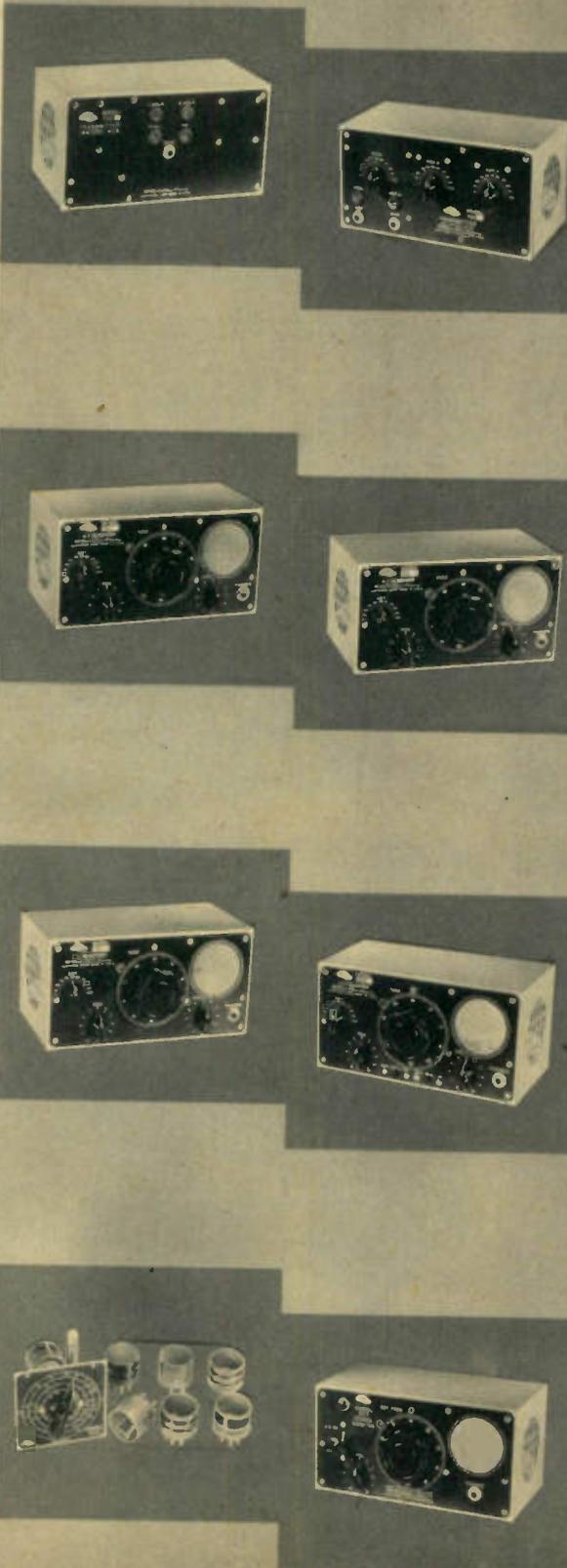
K21283—Your Cost Each.....\$29.95

K21284—Same as above but in kit form, less cabinet and tubes.

Your Cost Each.....\$19.95

K21285—Kit of Tubes Consisting of 2-12AT6, 1-50B5, and 1-35W4.

Your Cost.....\$3.28



SPECIFICATIONS

Bands: 10, 11, 15, 20, 40, 80 Meters
Output: 100w CW, ICW, FM or AM.
Method of Modulation: AM—high level AB2; FM—reactance tube.
Modulation Capabilities: AM—100%; FM—100% (narrow or wide band, variable from 0 to ± 75 KC).
Input Audio Source: High impedance microphone. Level 60DB down.
Audio Response: AM—200-6000CPS ± 2 DB; FM—100-7500CPS ± 1 DB.

Noise Below 100% Modulation: AM—45DB; FM—60DB (± 75 KC).
Audio Distortion: AM—5% at 85% mod. FM—1 1/2% at 100% mod.

TUBE COMPLIMENT: 1-6AC7 react. mod., 1-6J5 var. freq. oscillator, 1-6AC7 "A" amp. or crystal oscillator, 1-6L6 80M buffer or 40M doubler or 30M tripler, 3-6L6—20, 15 and 10M doublers, 1-3D23 final amp., 2-807 "AB2" modulators, 1-6J5 modulator driver, 1-6SJ7 speech amp., 2-866A hi-voltage rectifiers, 1-5R4GY low voltage rect., 1-80 speech rect., 1-6X5GT bias rect., 1-VR150 voltage regulator, 1-6SN7 GT audio oscillator.

CONTROLS: Oscillator, final amplifier, oscillator selector and modulation selector dials; band selector, filament power, plate power and emission selector switches; microphone gain and standby controls.

METERS: PA plate, PA grid and Modulator plate current meters.



SUPREME Amateur Transmitter Model AF-100

A 6-band, 100 watt output desk type transmitter which embodies ALL features desired by most amateurs. Covers amateur bands most frequently used: 10, 11, 15, 20, 40 and 80 meters for CW, ICW, AM and FM Phone transmission. Continuously tunable throughout entire range of each band. The first transmitter offered to amateurs which has the new feature of Frequency Modulation in the 27.185 to 27.445 and 29 to 29.7 megacycle bands. A highly stable variable oscillator followed by slug-tuned buffer and doubler stages which are ganged to the oscillator dial simplifies the problem of working through severe QRM and further enhances the pleasure of easily establishing and retaining QSOs. Band changing easily accomplished in exciter by plugging in a coil for the particular band selected. Operates on 110-117 V 50/60 cycle AC. This unit is simple to operate and is highly efficient on all bands for all types of emission. 29 1/2" x 11 1/2" x 18 3/4". Shpg. Wt. 200 lbs.

K21115—SUPREME Model AF-100. \$450.00
Your Cost

SALIENT FEATURES

- Single dial track tuning of exciter and buffer multiplier.
- Fingertip control. Instant band or frequency selection. A flip of the dial selects AM phone, FM phone, CW or ICW.
- Screwdriver adjustment varies ICW modulating tone from 400 to 1000 cps. On FM deviation or swing can be adjusted from 0 to ± 75 KC.
- All essential circuits metered. Pilot lights indicate operating conditions.
- Antenna change-over relay with extra contacts permits break-in operation to speed traffic.
- Standard mike connector and key jack for easy connections.
- An inter-lock protects operator against shock by cutting off power when cabinet is opened.
- Completely AC-operated from wall outlet. No batteries used for biasing.
- Uniquely constructed oscillator section. Oscillator unaffected by external load conditions.
- Perfect mechanical design. All components readily accessible.
- Professional looking cabinet. Beautiful gray-wrinkle finish.
- Transparent plastic call-letter name-plate free. We etch call letters.
- Economical: Uses only 325 watts.
- Complete: A key, a mike and two crystals get you on the air.



MECK 60-Watt Transmitter

- Efficient on any amateur band 10 to 80 M—Phone or CW.
- Combined plate and screen modulation.
- Band selection plug-in coils. 10 and 11 M bands supplied.
- Antenna changeover relay.
- Two 60 cycle power supplies
- Battery or vibropac operation.
- Simple operation—Versatile.

TRANSMITTER CHARACTERISTICS: A 6L6G tube is used in a regenerative oscillator circuit which operates with the output at the crystal frequency on all bands except 10 meters. For operation on 10 meters the plate of the oscillator is tuned to the second harmonic of the crystal with ample driving power because of the regenerative oscillator circuit. Oscillator drives two 6L6G push-pull doublers in the final RF amplifier.

MODULATION: The microphone preamplifier consists of a single 6SN7 GT/G connected as a cascaded amplifier. This is followed by another 6SN7GT/G which functions as a phase inverter. Two 6L6G's in push pull, operating as class AB amplifiers, are used as modulators. Any crystal or high impedance dynamic mike may be used!

ADDITIONAL FEATURES: Meter switching to final amplifier or grid or plate circuits for tuning; crystal socket on front panel for rapid frequency changing; send-receive switch with extra contacts on rear of chassis for standby operation.

TUBES FURNISHED: 1-6L6G oscillator (oscillator-doubler on 10M), 2-6L6G final amplifier doubler, 1-6SN7GT/G cascaded 2-stage final speech amplifier, 1-6SN7GT/G phase inverter driver, 2-6L6G push pull modulator, 1-5U4G final RF amplifier rectifier, 1-5U4G modulator, sp. amp., and osc. rect. 10 and 11 M coils supplied.

COMPACT: Metal cabinet, 15" x 11" x 9". Shpg. wt. 100 lbs.

K21116—MECK Model T60-1. \$150.00

Your Cost

K21117—20 meter coil set
K21118—40 meter coil set
K21119—80 meter coil set

Your Cost \$5.80 per set

MEISSNER Signal Shifter

- Exceptionally stable—for 10, 11, 15, 20, 40, 80 M bands.
- Provides 6 M operation and bandspread in 20 and 75 M bands.
- Provision for use as excellent crystal-controlled exciter.
- Over 6 watts output—all bands.
- Tuning eye for xtal frequencies.
- Self-contained power supply.

BANDSWITCHING: Accomplished by 6-position shielded turret. Five coil strips provide complete coverage of 10, 11, 15, 20, 40 and 80 meter bands with 2% overlap at ends of each band. Blank position in coil turret allows for 20 and 75 M bandspread or 6M band coverage

CRYSTAL CONTROL: Plug-in of suitable crystal permits use of shifter as crystal-controlled exciter—a desirable feature for "net" operations. Crystal operation checked by tuning eye.

TUNING: Only 2 controls select any operating frequency; the band selector switch quickly moves coil strip into position, and is tuned by the precision vernier control which rotates the ganged condensers. Illuminated dials provide 0-500 calibration in each band. Approx. dial settings in instruction manual. Free blank charts for calib.

KEYING: Two jacks for CW or phone. Shifter may be keyed in oscillator or amplifier circuits. Tuning eye checks keying. Cathode current of 807 read by plugging a 0-100 MA meter into key jack.

POWER: Input—110V 60 cyc. AC. Output in excess of 6 watts.

TUBES: 6V6GT/G oscillator-doubler, 807 amplifier-doubler, 2-5Y3 high voltage, OD3/VR150 osc.-voltage reg., 6U5/6G5 tuning eye.

COUPLING: Output impedance 300 ohms. Coupling possible into grid circuit of single-ended or push pull stage of transmitter; into crystal stage with crystal removed; into plate tank of crystal oscillator with tube removed. Five versatile coupling methods completely describe in instruction manual provided with shifter.

CABINET: Gray-wrinkle metal, 13 1/8" x 13 1/4" x 8 3/4". Shpg. Wt. 30 lbs.

K21108—MEISSNER Model 9-1090. Your Cost \$120.00



SONAR VFX-580 Exciter

- Variable frequency crystal controlled or ECO oscillator.
- Works either break-in or CW operation on same frequency.
- Provision for external relay operation.

This exciter, which works as a variable frequency crystal oscillator or as a straight electron coupled oscillator, drives any CW or phone transmitter on all amateur bands. To switch from VFO to crystal operation simply plug in the crystal. Voltage regulated oscillator operates on 160 meters; range is from 1565 kc to 2000 kc. With the 160 meter crystal there is a 15 kc tunable variation on 160 meters, 30 kc on 80, 60 kc on 40, 120 kc on 20, 240 kc on 10 and 480 kc on 6 (doubling). There is one monitor for CW and one for NFM phone. Provision for shift keying is self-contained. 4 to 6 watts on 6, 10, 11, 15, 20, 40 and 80 meters.

Tubes: 6AG7 VFX, VFO or crystal oscillator; 6SL7 audio amplifier; 6SL7 FM modulator and FM monitor; 6AG7 1st freq. multipliers; 6L6 2nd freq. mult.; VR150 voltage reg. for oscillator; 5Y3 power supply; 6AF6 indicator for FM modulation or freq. mult. tuning. Handsomely finished in smooth grey. Panel or rack mounted. Panel is 5 1/2" x 19". Shpg. Wt. 30 lbs.

K21120—SONAR VFX-680, less crystal. Your Cost \$87.45

SONAR Narrow Band F-M Exciter

- Penetrates QRM. More DX. No more silent hours.
- Positively eliminates broadcast interference.
- Use with any AM receiver.
- More output from your final than any other phone xmt.
- Self-contained power supply.
- Compact—9 1/4" x 7 1/2" overall.

Now—the radio amateur can speak with narrow band F-M. The XE-10 occupies less space in the radio spectrum than conventional A.M. transmitters (narrow band—2 to 3 kc deviation). Extensive radio research has resulted in this modern method of adapting any CW or phone transmitter for frequency modulation. The XE-10 can be used immediately. It has a self-contained power supply, 110 V 60 cycles. Operation with the XE-10 assures you of no broadcast interference and greater signal to noise ratio. You operate at maximum economy—just think, with the XE-10 you save about 60% over A.M. transmitters.

Tubes: 6SL7GT audio amplifier, 6SL7GT buffer modulator, 6V6GT doubler, 5Y3GT rectifier. Shipping weight 11 lbs.

K21104—SONAR Model XE-10, with tubes, less crys- \$39.45

tal. Your Cost



NATIONAL radio products

Low and Medium Power Transmitting Condensers

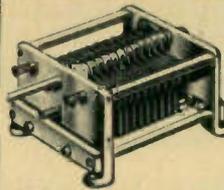


TMS Low Power Units

Type TMS is a condenser designed for transmitter use in low power stages. Heavy aluminum frames. Isolantite insulation. $\frac{1}{4}$ " shafts, $1\frac{1}{2}$ " long.

Panel, chassis or 2-hole base mtg. TMS: .026" gap, 1000V. TMSA: .065" gap, 2000V. Shpg. wt. 3 lbs.

No.	NC No. and MMF	Plates	Each
K14550	TMS-100	9	\$1.76
K14551	TMS-150	14	1.92
K14552	TMS-250	22	2.11
K14553	TMS-50D	Split	5-5
K14554	TMS-100D	Split Stator	9-9
K14547	TMSA-50D	Models	11-11
K14555	TMSA-35		7
K14556	TMSA-50		11

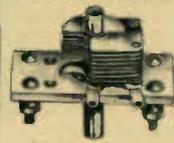


TMC Medium Power Units

Type TMC is designed for use in the power stages of transmitters where peak voltages do not exceed 3000 V. The frame is extremely rigid and arranged for 3-hole panel or base mounting. Plates are aluminum with buffed edges. Flanged legs for base mounting. Isolantite insulation. $\frac{1}{4}$ " shaft, $1\frac{1}{2}$ " long. .077" air gap. Model TMC-100D has split stator.

panel or base mounting. Plates are aluminum with buffed edges. Flanged legs for base mounting. Isolantite insulation. $\frac{1}{4}$ " shaft, $1\frac{1}{2}$ " long. .077" air gap. Model TMC-100D has split stator.

No.	NC No.	MMF	Plates	Length	Each
K14592	TMC-50	7	3"	3"	\$2.81
K14593	TMC-100	13	3 $\frac{1}{2}$ "	3 $\frac{1}{2}$ "	3.20
K14594	TMC-150	21	4 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	3.67
K14596	TMC-300	39	6 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	4.63
K14595	TMC-100D	13-13	6 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	5.27



Ultra Midget Condensers

Designed for ultra high frequency use. Small padding condensers with very low temp. coeff., particularly useful for tuning receivers, transmitters, exciters. Shaft extensions at each end of rotor permit easy ganging. Isolantite base $1\frac{1}{2} \times 2\frac{1}{4}$ ". Axial length $2\frac{1}{4}$ " overall. Plates: 180° rotation, straight line capacity.

Stock No.	NC No.	MMF Max-Min	No. of Plates	Air Gap	Your Cost
K14336	UM-15	15 1.5	6	.017"	\$0.89
K14337	UM-35	35 2.5	12	.017"	1.06
K14338	UM-50	50 3	16	.017"	1.12
K14339	UM-75	75 3.5	22	.017"	1.21
K14319	UM-100	100 4.5	28	.017"	1.34
K14340	UMA-25	25 3.4	14	.042"	1.28

Chokes and Coils

High Frequency Coils

Here are high frequency coils amateurs need for work with the micro-waves. These new high-Q units have adjustable inductance and give fine performance as high frequency oscillators, RF amplifiers or frequency multipliers. Available in 2 ranges or blank form if desired.

Type AR-2: Frequency range—68 to 220 megacycles. **Your Cost \$1.71**

Type AR-5: Frequency range—37 to 130 megacycles. **Your Cost \$1.46**

Type XR-50: Blank winding form. **Your Cost \$1.01**



R-175 Choke

For parallel or series feed in transmitters with plate supply up to 3000 V, modulated or 4000 V, unmodulated. Reactance is high throughout 10 and 20 meter band as well as the 40, 80 and 160 meter bands. Induc. 225 microhenries, dist. cap. 0.6 mmf, DC res. 6 ohms, DC curr. 800 ma., breakdown at 12,500 volts.

K14398—Choke R-175 \$2.09
Your Cost



R. F. Chokes

Wound in a continuous universal winding on isolantite forms. Two mtg. types available: R-100 and R-300 (A) have pigtails; R-100S and R-300S (B) are screw mounted in screw mounts in chassis.

any position on the chassis. Each end of the S series chokes is terminated at a cotter pin, easily accessible for making soldered connections.

R-100, R-100S Characteristics:
Inductance 2.5 millihenries
DC Resistance 50 ohms
Distributed Capacity 1 mmf
Current Rating 125 ma
K14429—R-100 \$35c
Your Cost

K14428—R-100S \$36c
Your Cost

R-300, R-300S Characteristics:
Inductance 1 millihenry
DC Resistance 10 ohms
Distributed Capacity 1 mmf
Current Rating 300 ma
K14422—R-300 \$35c
Your Cost

K14423—R-300S \$36c
Your Cost

Vernier Dials

Type "B" Vernier Dial

Has a compact variable ratio 6 to 1 minimum, 20 to 1 maximum drive. Black bakelite case 4" diameter. Fits $\frac{1}{4}$ " shaft. Illuminator sold separately.

K14367—200-0 scale, 360° \$1.80
K14368—0-100-0 scale, 180°
Your Cost, Either Above

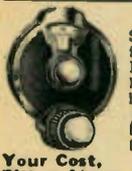
K14352—Dial Illuminator 33c



Type "BM" Dial

Smaller version of "B" dial, for use where space is limited. Drive ratio fixed. BM unit has same smooth action as larger units. 3" diam. Fits $\frac{1}{4}$ " shaft.

K14371—0-100-0 scale, 180° \$1.65
K14372—200-0 scale, 360°
Your Cost, Either Above



Type "ACN" Dial

For experimenters who "build their own" and desire direct calibration. For electron-coupled oscillators, frequency monitors, or UHF receivers. 5 blank scales, 0-100 linear guide scale, 2 extra scales furnished. 5:1 vernier. Fits $\frac{1}{4}$ " shafts. Frame $5 \times 7\frac{1}{2}$ ". Wt. 2 lbs.

K14474—Your Cost \$3.00



Plugs and Sockets

Coil Form Plug & Socket

5-prong plug or socket for end, center or swinging link coil connections. Isolantite insulation. Plug and socket sold separately.

K14614—PB-16 plug, Each 27c
K14615—XB-16 socket, Each 33c

FWG Terminal Strip

A Victron terminal strip for high frequency use. Banana plugs at top, grip wires through hole at the bottom.

K14402—Your Cost \$42c

FWH Terminal Assembly

Molded insulators with serrated bosses that allow the thinnest panel to be gripped firmly, yet have ample shoulders. Has FWG posts.

K14403—Your Cost \$57c

FWJ Jack Assembly

Uses same insulators as FWH but has jacks. When used with FWJ plug there is no exposed metal when plug is in place.

K14404—Your Cost \$45c

FWF Molded Plug

This molded plug has two banana plugs on $\frac{1}{4}$ " centers and fits FWH or FWJ sockets. Leads through top or side.

K14405—Your Cost \$66c



UHF Midget Condensers

Neutralizing Condensers

NC-800 Neutralizing Condenser

A disc-type neutralizing condenser suitable for RCA-800, 35T, HK-54, similar tubes. With a micrometer thimble for super-fine adjustment, a clamp to insure adjustment stability. Steatite insulation. Aluminum discs, 3-hole mounting bracket. Approximate capacity range: 1.5 mmf at 0.6" air gap to 10 mmf at 0.07" air gap. Wt. 1 lb.

K14259—Your Cost \$1.92



NC-75 Neutralizing Condenser

High voltage disc-type for 75T, 808, 811, 812. Steatite insulation. Aluminum discs. Micrometer screw adjustment. 3-hole mounting bracket. Approx. cap. range: 2 mmf at 0.6" air gap to 12 mmf at 0.1" air gap. Shpg. wt. 1 lb.

K14412—Your Cost \$2.87



Couplings and Bushings

Rigid Shaft Couplings

Rigid couplings, glazed isolantite insulation. Fit $\frac{1}{4}$ " shafts.

K14501—TX-1, leakage path 1" 66c
K14502—TX-2, leakage path 2 $\frac{1}{2}$ " 75c
Your Cost



Shaft Couplings

TX-8—Isolantite insulation, 1" diam. Fits $\frac{1}{4}$ " shaft. \$51c
K8461—Your Cost

TX-9—Steatite insulation, 1 $\frac{1}{4}$ " diam. Fits $\frac{1}{4}$ " shaft. \$75c
K8470—Your Cost

Flexible Shaft Couplings

TX-11—Connects shafts at angles up to 90°. Fits $\frac{1}{4}$ " shaft. \$42c
K14531—TX-11, 4 $\frac{1}{4}$ "
Your Cost



TX-12, TX-13—Uses flexible shafting like the TX-11 above, with isolantite insulators at each end.

K14530—TX-12, Length 4 $\frac{1}{4}$ " \$84c
Your Cost

K14529—TX-13, Length 7 $\frac{1}{4}$ " \$99c
Your Cost

Insulator Bushings

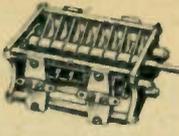
XS-6—Low-loss isolantite bushing for $\frac{1}{4}$ " holes. \$12c
K14416—Your Cost

XP-6—Same as XS-6, but Victron. \$51c
K14417—10 for



HAMMARLUND precision products

"TC" Transmitting Condensers



Superior electrical, mechanical design. Heavy aluminum end plates for maximum strength tied together with four $\frac{3}{16}$ " duraluminum pillars. Rotor and stator plates carefully buffed and polished. Rounded edges minimize flashover. Rotor plates carefully staked to non-magnetic shaft. All magnetic material kept out of direct field of condenser. Special hand fitted full-floating bearings eliminate binding, twisting. Heavy silver plated beryllium wipers of sufficient area to eliminate contact losses. Contact direct to rotor shaft and extends through rear plate for soldering. Stainless steel shaft, $\frac{1}{4}$ " diameter. Insolantite insulation throughout. Three panel mounting bushings for 8-32 screws and special mounting feet packed with each condenser.

Stock No.	Code No.	MMF Max-Min	Air Gap	No. of Plates	In. Lg.	Your Cost
K8710	TC-100G	110 32	.200"	25	6 $\frac{5}{16}$ "	\$7.80
K8711	TC-50H	53 15	.171"	11	3 $\frac{1}{16}$ "	4.17
K9043	TC-110H	115 28.5	.171"	23	5 $\frac{1}{2}$ "	6.27
K8712	TC-240J	250 31	.100"	33	5 $\frac{1}{2}$ "	7.11
K8713	TC-220K	222 24.5	.084"	25	3 $\frac{3}{4}$ "	5.58
K9034	TC-440L	465 32.5	.070"	43	5	6.36

"TCD" Split-Stator Xmitting Condensers



Dual units with same quality and features as "TC" single transmitting condensers. Although TCD's have wide plate spacing and high capacities, their size is still within bounds and are therefore excellent in the design of modern, compact apparatus.

Stock No.	Code No.	MMF Max-Min	Air Gap	Plates /Sec.	In. Lg.	Your Cost
K8714	TCD-110H	115 29	.171"	23	10 $\frac{3}{16}$ "	\$11.16
K8715	TCD-240J	250 32	.100"	33	10 $\frac{3}{16}$ "	13.26
K8716	TCD-325K	335 32.5	.084"	37	10 $\frac{3}{16}$ "	14.28
K8717	TCD-210L	215 18.5	.070"	21	5	7.26
K8718	TCD-500M	490 17.5	.030"	21	3 $\frac{3}{4}$ "	7.20

"MC" Midget Condensers

For hi-freq. work to 60 megs. Insolantite insulation. Cad. pl. brass plates. Silver-plate beryllium wiping contact. Single hole panel or base mtg. .0225" plates. .0245" air gap. $\frac{1}{4}$ " dia. shaft, $\frac{3}{16}$ " ext. 1000V 60 cyc. RMS breakdown.

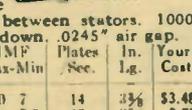
Stock No.	Code No.	MMF Max-Min	No. of Plates	In. Lg.	Your Cost
K8513†	MC-325M	320 13.5	43	2 $\frac{1}{2}$ "	\$2.79
K8510†	MC-140M	140 9	19	1 $\frac{1}{2}$ "	2.10
K8514*	MC-140S	140 10	19	1 $\frac{1}{2}$ "	2.10
K8509†	MC-100M	100 7.7	14	1 $\frac{1}{2}$ "	1.95
K8503*	MC-100S	100 8.3	14	1 $\frac{1}{2}$ "	1.95
K8506†	MC-75S	80 7.3	11	1 $\frac{1}{2}$ "	1.80
K8507*	MC-75S	80 8	11	1 $\frac{1}{2}$ "	1.80
K8518†	MC-50M	50 6.3	7	1 $\frac{1}{2}$ "	1.68
K8505*	MC-50S	50 6.5	7	1 $\frac{1}{2}$ "	1.68
K8504*	MC-35S	35 6	5	1 $\frac{1}{2}$ "	1.59
K8503*	MC-20S	20 5.5	3	1 $\frac{1}{2}$ "	1.53

"MCX" Double-Spaced Condensers

Same features as MC type. .0715" air gap. 1750V 60 cyc. RMS breakdown.

Stock No.	Code No.	MMF Max-Min	No. of Plates	In. Lg.	Your Cost
K8468*	MC-208X	20 6.8	7	1 $\frac{1}{2}$ "	\$1.68
K8523*	MC-358X	32 8.5	11	1 $\frac{1}{2}$ "	1.80
K8535*	MC-508X	53 11.5	19	2 $\frac{1}{2}$ "	1.95
K8502*	MC-1008X	100 16.5	35	3 $\frac{3}{4}$ "	2.43

"MCD" Split-Stator Condensers



These duals have low loss and careful construction. Insolantite base and shield plate between stators. 1000 V. 60 cyc. RMS breakdown. .0245" air gap.

Stock No.	Code No.	MMF Max-Min	Plates /Sec.	In. Lg.	Your Cost
K8542†	MCD-100S	100 7	14	3 $\frac{3}{4}$ "	\$3.48
K8519†	MCD-140M	140 7.8	19	3 $\frac{3}{4}$ "	3.75

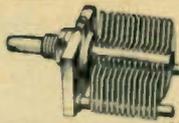
"MCDX" Double-Spaced Split Stator

1750 V. 60 cyc. RMS bkdn. .0715" air gap. K8528† MCD-358X | 31 8.8 | 11 | 3 $\frac{3}{4}$ " | \$3.33
Plates: † midline, * Semi-circular.

Transmitting Condensers

"HFA" Midget Condensers

For transmitting and receiving. All parts cadmium plated brass, soldered in compact, rugged unit. The HFA is single unit having insolantite end plate. 100% soldered construction eliminates danger of losses due to high resistance contacts. Shafts are $\frac{1}{4}$ " diam. Plates semicircular. $\frac{3}{16}$ " shaft, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ " insolantite end panel.



Stock No.	Code No.	MMF Max-Min	Air Gap	No. of Plates	In. Lg.	Your Cost
K7233	HFA-100A	102 4.5	.020"	19	1 $\frac{1}{2}$ "	\$1.80
K7234	HFA-140A	145 6	.020"	27	1 $\frac{1}{2}$ "	2.10
K7235	HFA-10B	9 2.3	.020"	3	2 $\frac{1}{2}$ "	1.38
K8727	HFA-100B	100 7.5	.030"	27	2 $\frac{1}{2}$ "	2.22

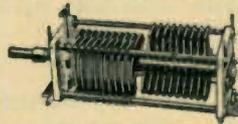
"HFAD" Split-Stator Midget

A dual unit with same compact, rugged features as HFA midgets. Similar dual construction as HFBD's below but with smaller plates and unisolated control shaft. Ideal for portable transmitters and receivers. $1\frac{1}{2}$ " sq. front and rear insolantite panels. Capacity: 25 mmf max., 6.3 mmf min. Air gap .030", 7 plates/section, 1 $\frac{1}{2}$ " lg. with $\frac{3}{16}$ " shaft ext. Single hole mtg. **\$2.70**

K8728—Code HFAD-25B

"HFBD" Split Stators

Insulated control shafts for hi-voltage connections. $1\frac{1}{2}$ " sq. shaft ext., 1 $\frac{1}{2}$ " sq. insolantite end plates. Supplied with base mounting brackets.



Stock No.	Code No.	MMF Max-Min	Air Gap	Plates /Sec.	In. Lg.	Your Cost
K7225	HFBD-100C	105 14	.050"	23	4 $\frac{3}{4}$ "	\$5.79
K8729	HFBD-35E	37 9.5	.070"	11	3 $\frac{1}{4}$ "	4.32

Flexible Couplings

A sturdy coupling which compensates for slight shaft misalignment but still does not allow backlash or play to result from continued strain. Brass hubs are peened to spring-tempered phosphor bronze flexible arms. All metal parts except set screws are nickel plated. Ceramic insulation on FC-46-S.



Stock No.	Mfr. Code	Type	Each
K8495	FC-46-S	Insulated	54c
K8493	FNC-46-S	Non-insulated	54c

Neutralizing Condensers

High voltage neutralizing condensers. Thick aluminum plates. Smooth micrometer adjustment. Lock nut permits permanent setting. A stop prevents shorting. Insolantite insulation.



Stock No.	Code No.	MMF Max-Min	Air Gap	Peak Volts	Plate Diam.	Your Cost
K8731	N-10	10 2.3	$\frac{1}{16}$ "- $\frac{1}{8}$ "	3000	1	\$3.21
K8732	N-20	14 3.8	$\frac{1}{8}$ "- $\frac{1}{4}$ "	7500	4	6.48

"UHS-900" Acorn Sockets

Positive locking contacts of silver-plated beryllium prevent tube loosening. Insolantite base. Diam. $\frac{1}{8}$ " UHS-900, 5 prongs.



K8464 **66c**
Your Cost

Hi-Impedance Chokes

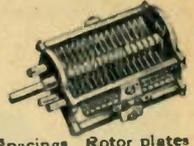
Very large inductance, very low distributed capacity. Very effective in broadcast, SW receivers. Curr. capacity 60 ma. Bakelite case 1 $\frac{1}{2}$ " high x 1 $\frac{1}{2}$ " dia.



Stock No.	Code No.	Ind. mh	DC Res.	Dist. C-mmf	Your Cost
K8525	RFC-85	85	215 ohms	3	\$2.25
K8526	RFC-250	250	420 ohms	2	2.64

"MTC" Transmitting Condensers

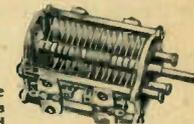
Small size, light weight for use in airplane and other mobile or portable units. Wide range of capacities and plate spacings. Rotor plates wedged into deep slots. Stainless steel shaft carefully fitted to a long front bearing mounted on beryllium cushion disc. Rear bearing of steel ball and cup type. Insolantite insulation and silver-plated beryllium contact wiper assure lowest loss.



Stock No.	Code No.	MMF Max-Min	Air Gap	No. of Plates	In. Lg.	Your Cost
K8719	MTC-20B	22 7	.070"	5	1 $\frac{1}{4}$ "	\$2.85
K8720	MTC-100B	100 15	.070"	21	2 $\frac{1}{4}$ "	3.69
K8721	MTC-150B	150 19.5	.070"	31	3 $\frac{1}{4}$ "	4.26
K8722	MTC-250C	255 13.5	.031"	25	2 $\frac{1}{2}$ "	3.69
K8723	MTC-350C	360 17.5	.031"	35	2 $\frac{1}{2}$ "	4.05

"MTCDC" Split-Stator Xmitting Condensers

Dual units with same construction features as MTC singles and same operating advantages as for TCD type condensers. Unusually compact and light. Ideal for portable transmitters. Overspaced plates securely held in place.

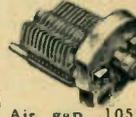


Stock No.	Code No.	MMF Max-Min	Air Gap	Plates /Sec.	In. Lg.	Your Cost
K8724	MTCDC-20B	22 6.5	.070"	5	2 $\frac{1}{4}$ "	\$3.90
K8725	MTCDC-35B	33 7.5	.070"	7	2 $\frac{1}{4}$ "	4.17
K8726	MTCDC-100B	100 14.5	.070"	21	5	6.09

Note: Letters following code numbers indicate peak voltages as follows:
A-800V C-1500V G-6750V J-4250V L-2000V B-1200V E-3000V H-6000V K-3750V M-1000V

"APC" Micro Condensers

Ideal trimmers for gang condensers, I-F transformers, R-F circuits, insolantite base. Cad. plated brass rotors and stators. Screw-driver adj. Air gap .105". 600V 60 cyc. RMS breakdown.



Stock No.	Code No.	MMF Max-Min	No. of Plates	In. Lg.	Your Cost
K8623	APC-25	23 4	7	2 $\frac{1}{4}$ "	\$0.90
K8624	APC-50	50 5	14	3 $\frac{1}{4}$ "	1.05
K8625	APC-75	75 5.8	20	4 $\frac{1}{4}$ "	1.17
K8626	APC-100	99 6.8	27	5 $\frac{1}{4}$ "	1.32
K8743	APC-140	139 8.3	37	7 $\frac{1}{4}$ "	1.54

"HF" Micro Condensers

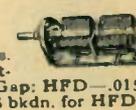
Cad. plated brass plates. Insolantite insul. Bracket for base panel mtg. with 2 insulated spacer bushings. 600V RMS bkdn. for HF, 1400V RMS for HFX. Gap: HF—.015", HFX—.045", HFX-2x, HF spacing.



Stock No.	Code No.	MMF Max-Min	No. of Plates	In. Lg.	Your Cost
K8700	HF-15	17.5 2.8	-5	1 $\frac{7}{16}$ "	\$0.96
K8702	HF-50	52 3.7	14	1 $\frac{1}{2}$ "	1.17
K8703	HF-100	102 5.3	27	1 $\frac{3}{4}$ "	1.47
K8704	HF-140	142 6.3	37	1 $\frac{7}{8}$ "	1.68
K8730	HF-15X	15 3.6	10	1 $\frac{3}{8}$ "	1.17
K8705	HF-30X	30 5.2	20	1 $\frac{1}{2}$ "	1.32

"HF" Split Stator Micros

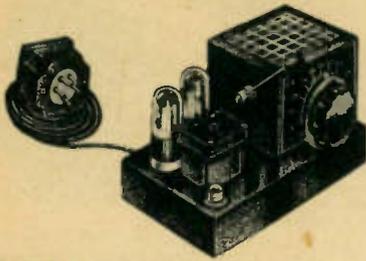
Cad. plated brass plates. Insolantite base. Silver plated beryllium wipers. Air Gap: HFD—.015", HFDX—.045", 600V RMS bkdn. for HFDX, HFDX 2x HFD spacing.



Stock No.	Code No.	MMF Max-Min	Plates /Sec.	In. Lg.	Your Cost
K8703	HFD-140	142 6	37	2 $\frac{1}{8}$ "	\$3.12
K8699	HFD-15X	16 3.8	11	2 $\frac{1}{8}$ "	2.37
K8709	HFD-30X	28.5 5	19	2 $\frac{1}{8}$ "	2.64

MILLEN radio products

Frequency Shifter



A good variable electron-coupled oscillator at a low price. Built to meet the following exacting requirements:

- **LOW DRIFT**—Less than 0.06% from a cold start. Most drift in first 10 minutes.
- **VIBRATION IMMUNE**—Shock mounted oscillator section; sturdy construction.
- **NO HAND CAPACITY**.
- **CHIRPLESS KEYING**—Constant load on power supply.
- **GOOD BAND SPREAD**—100 dial divisions from 3500 to 3650 kilocycles. Has "Variarm" vernier tuning.
- **COMPLETE**—Vibrationless power supply, three tubes, output coupling units.

Easy-to-change taps on amplifier and link coils provide for output on 80 or 40 meters. Shipping weight 12 lbs.

K8014—Millen #90700 incl. tubes.

Your Cost **\$42.50**

50-Watt Transmitter-Exciter



A flexible unit ideal for either low power amateur band transmitter use or as an exciter for high power PA stages. A tri-tet circuit, which is used to obtain harmonic output, is reduced to the simple tetrode circuit for oscillator output at the crystal fundamental by short-circuiting the cathode tank circuit. Sufficient oscillator output at the fourth harmonic of the crystal frequency is obtainable to drive the 807, which may be operated as either a straight amplifier or frequency doubler, making it possible to obtain an output of 25 to 50 watts or more in four bands from a single crystal of properly-chosen frequency. The entire unit is designed to operate from a single 250-ma. supply delivering up to 750 volts, the maximum voltage at which the 807 is designed to operate. A fixed bias of 45 volts is required for the 807 and the two heaters together consume 1.8 amperes at 6.3 volts. A single milliammeter with a scale of 200 ma. may be switched to read the plate current of either stage. Shpg. wt. 15 lbs.

K8014—Millen #90800, less tubes.
Your Cost **\$37.50**

Oscilloscope



The basic type 2" oscilloscope is complete with power supply, focusing and centering controls and 60 cycle sweep, for use in normal form for transmitter monitoring or as basic unit for addition of specially designed external sweeps, amplifiers, etc. Shpg. wt. 20 lbs.

K8043—Millen #90902, less tubes.
Your Cost **\$42.50**



Panel-Dial

Attractive combination panel, slide-rule dial. Holes readily drilled to add 2 small controls, as shown. Escutcheon removes without disturbing dial mechanism, for scale calibration. Drive ratio 8:1. Escutcheon size 8 1/4" x 6 1/2".

K8048—Millen #10035.
Your Cost **\$7.50**

Tunable Coil Form



Permeability tuned, shielded plug-in coil form. Standard octal base of low loss mica-filled bakelite. Polystyrene 1/2" dia. coil form.

Heavy alum. shield. Iron tuning slug suitable for use up to 35 mc. Adjusting screw protrudes thru center hole of socket. Special extension terminals aid connections to base pins.

K8002—Your Cost **\$1.85**

Crystal Sockets



Easy to mount. Steatite insulation. Solder lug terminals. No. Fig. Spacing Pins Each

K8050 A 3/4" .125" **25c**
K8051 B 4/8" .095"
K8052 C 1/2" .125"

Ceramic Plate Caps



Steatite insulation. Spring connectors retain tension under

continuous high heat encountered in operation. Soldering lug and contact one-piece. Lug ears annealed and solder dipped to facilitate easy combination "mechanical plus soldered" connection of cable.

No.	Millen	Size	Each
K8055	36001	1/4"	21c
K8053	36002	3/8"	
K8056	36004	1/2"	

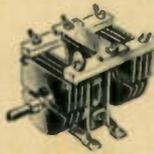
Snap Lock Plate Caps



Used where tighter than normal grip with multiple finger 360° low resistance contact is required. Contact self-locking when cap is pressed into position. Insul. snap button at top.

No.	Millen	Size	Each
K8007	36011	1/8"	60c
K8013	36012	3/16"	50c

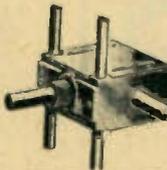
Transmitting Condensers



New and different dual variable condensers—permitting more efficient use of newer tubes—more compact and symmetrical circuit arrangements and consequent better neutralization. Center fed rotors for better high frequency current distribution. Isolantite insulation. "Designed for Application"—terminals in convenient places; inductance socket may be mounted on stator; RF choke on Direct drive from end of rotor shaft. The series 14000 transmitting condensers are essentially the same in general design as the 13000 except the rotor plate diameter is 3 1/2" instead of 2". For single-ended applications connect sections in parallel to obtain advantage of center feed and elimination of shorted frame loops.

Stock No.	Millen No.	MMF/Side Max. Min.	Plates /Side	Depth Bhd. Panel	Air Gap	Peak Volts	Your Cost
K8028	13035	34 5.3	9	3 1/2"	.077"	3000	54.56
K8029	13050	45.2 6.2	12	5 1/2"	.077"	3000	5.20
K8030	13070	66 7.4	17	5 1/2"	.077"	3000	5.88
K8032	14100	85 12.8	15	11 1/2"	.171"	6000	12.00
K8033	14050	48 9.3	9	6 1/2"	.171"	6000	7.20
K8015	14060	59 13	15	11 1/2"	.265"	9000	12.00

Right Angle Drive



An extremely compact right angle drive unit. The case size is only 1 1/2" x 1 1/2" x 3/4". Uses bevel gears. Mounts on adjustable "standoff rods," single hole panel bushing or tapped holes in frame. Ideal for operating switches, potentiometers, etc., that must be located, for short leads, in remote parts of chassis. Millen No. 10012.

K8016—Your Cost **\$3.75**

Aluminum Shields

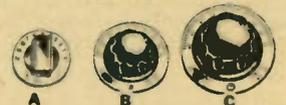


The aluminum shield cans are available in a variety of sizes and shapes, as illustrated and listed. Millen Nos. 80001 and 2 (Fig. A & B) form a combination of die-cast aluminum base, extruded cover. Of particular interest to the amateur transmitter constructor is the Millen 80009 mounting shelf, shield, tube socket (Fig. G) for use with 807's. This is same unit used in Millen 90800 transmitter above.



Stock No.	Millen No.	Fig.	Description (Sizes in Inches)	Your Cost
K8017	80001	A	Cover 2x2 1/4"x3 1/4"	\$0.25
K8018	80002	B	Base only	.50
K8019	80003	C	Square 1 1/4"x4	.25
K8020	80004	C	Oblong 1 1/4"x1 1/2"x4 1/2"	.38
K8021	80005	C	Square 2x4 1/4"	.30
K8022	80006	D	Round 2 1/4"x4	.25
K8040	80007	E	Round 2 1/4"x2 1/4"	.35
K8041	80008	F	Round 2 1/4"x2 1/4"	.45
K8042	80009	G	Assembly for 807	.90

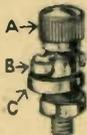
Dials



Nickel silver instrument dials. Type 100007: 1 1/4" diam. 10 divisions over 180° or 280°, specify which. For CW or CCW rotation. Type 10009: 2 1/4" diam. 0-100. Type 10008: 3 1/4" diam. 0-100.

No.	Millen No.	Fig.	Each
K8003	10007	A	\$0.60
K8005	10009	B	.85
K8004	10008	C	1.00

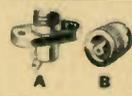
Dial Lock



Compact, does not alter dial setting in operation. Rotation of "A" depresses "B" & "C" without imparting rotation to dial. Single hole mounted.

K8006—Your Cost **45c**

Safety Terminal



Combination high voltage terminal and thru-bushing. Tapered contact pin fits firmly into conical socket providing large area, low resistance connection. Pin is swivel mounted in cap to prevent twisting of lead wire.

No.	Millen	Color	Each
K8054	(A) 37001	Black	40c
K8054	(B) 37001	Red	

Decalcomania Marking Kit



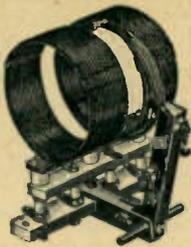
Kit permits amateur and home constructor to label transmitter, receiver, other equipment. Transfers have 1/8" block letters. Special solution furnished. Smooth or wrinkle finished panels or chassis. Ample supply of every word or marking required for amateur, comm. equipment.

K8012—Your Cost **\$1.25**

BARKER & WILLIAMSON inductors

B&W Type B Inductors

Rugged, efficient coils for use in buffer and final amplifier stages where input power does not exceed 150 watts and voltage does not exceed 1500 volts. Steatite base and plug-in jack mounting give maximum efficiency and flexibility. Supplied in three types: End link, center link and variable link. The variable link is unusually good for stages where variable loading is desirable and may be adjusted for matching impedances of 72 ohms. With this arrangement, coupling can be adjusted from the panel for best results. The variable link is part of the jack assembly and adjustment for optimum coupling can be quickly made when tuning up on a new band. All inductors furnished less jack bar assembly. Dimensions of inductors vary from 3 1/2" x 3 1/2" x 2" to 3 1/2" x 4 1/2" x 2 1/4".



Type BEL—End Link Models—Without Tap

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost	Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10300	3207	5 M	14 mmf	\$2.41	K10303	3210	20 M	33 mmf	\$2.48
K10301	3208	10 M	21 mmf	2.41	K10304	3211	40 M	36 mmf	2.83
K10302	3209	15 M	21 mmf	2.48	K10305	3212	80 M	36 mmf	3.16

Type BCL—Center Link Models—Center Tapped

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost	Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10306	3214	5 M	14 mmf	2.41	K10309	3217	20 M	34 mmf	2.48
K10307	3215	10 M	20 mmf	2.41	K10310	3218	40 M	37 mmf	2.83
K10308	3216	15 M	21 mmf	2.48	K10311	3219	80 M	39 mmf	3.16

Type BVL—Variable Link Models—Center Tapped

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost	Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10429	3221	5 M	15 mmf	1.93	K10427	3224	20 M	25 mmf	2.00
K10428	3222	10 M	14 mmf	1.93	K10426	3225	40 M	29 mmf	2.28
K10424	3223	15 M	25 mmf	2.00	K10425	3226	80 M	46 mmf	2.61

*Actual condenser capacity will be smaller by the sum of the tube output and wiring capacities, generally bet. 5 and 20 mmf.

Steatite Jack Bar and Swinging Link Assemblies

B&W No. 3228—For end or center link type inductors. **85¢**

K10323—Your Cost

B&W No. 3229—For variable link type inductors. **\$3.44**

K10396—Your Cost

Note: Type BEL coils do not have center tap. Link is at end and 4 plugs are provided; type BCL have links, CT, & 5 plugs.

B&W Heavy Duty Inductors

For powers up to 1000 watts input. Handles all the power that can be used by the amateur. It is unusually rugged and of electrical and mechanical design. Supplied both without link and with a variable link, center tapped, the B&W HD Inductors fill every requirement for coils of this type. All HD Inductors are fitted with a heavy steatite plug bar and large jumbo type banana studs which provide ample contact for the circulating current occurring when high power is used. All inductors furnished without jack bar assembly. Dimensions vary from 8 1/2" long x 5 1/2" high x 2 1/4" coil diam. to 8 1/2" x 5 3/4" x 1 1/4".



Type HD—Models Without Link

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost	Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10313	3701	10 M	20 mmf	\$3.10	K10318	3715	10 M	16 mmf	\$4.48
K10314	3702	15 M	20 mmf	3.79	K10319	3716	15 M	16 mmf	5.16
K10315	3703	20 M	20 mmf	3.79	K10320	3717	20 M	18 mmf	5.16
K10316	3704	40 M	20 mmf	4.13	K10321	3718	40 M	33 mmf	5.50
K10317	3705	80 M	34 mmf	4.81	K10324	3719	80 M	41 mmf	6.19

Type HDCL—Center Link Models

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10437	3708	10 M	01 mmf	\$5.85
K10438	3709	15 M	20 mmf	6.54
K10335	3710	20 M	20 mmf	6.54
K10336	3711	40 M	20 mmf	6.88
K10337	3712	80 M	34 mmf	7.56

*Actual condenser capacity will be smaller by the sum of the tube output and wiring capacities, generally between 5 and 20 mmf.

Jack Bar and Swinging Link Assemblies

B&W No. 3721—For No-Link and Center Link Models. **\$1.75**

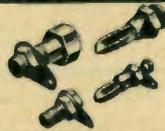
K10342—Your Cost

B&W No. 3722—For Variable Link Models. **\$6.88**

K10343—Your Cost

B&W Banana Plugs and Jacks

Sturdily constructed of nickel plated brass. Nickel silver springs used for positive contact. Plug shafts extend the entire length of the springs for added support. Two sizes available; all B&W inductors except the HD series use smaller size.

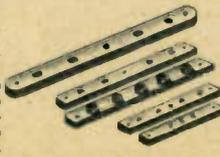


No.	B&W No.	Description	Your Cost
K10344	3908	Small banana plug with mounting screw	5¢
K10345	3909	Jack for 3908 plug with mounting screw	5¢
K10346	3910	Large banana plug with mounting screw	15¢
K10347	3911	Jack for 3910 plug with mounting screw	15¢

B&W Ceramic Plug and Jack Bars

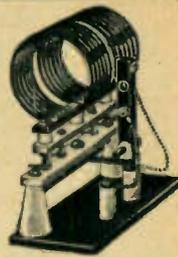
Steatite. Fine antenna feeder spreaders.

No.	B&W	Type	LxWxD(in.)	Used with	Each
K10348	3914	Plug	3 1/2 x 1 1/2 x 1/2	B series coils	\$0.20
K10349	3915	Jack	4 1/2 x 1 1/2 x 1/2	coils	.60
K10350	3916	Plug	5 1/2 x 1 1/2 x 1/2	T series coils	.30
K10351	3917	Jack	7 x 1 1/2 x 1/2	coils	1.00
K10352	3920	Plug	8 1/2 x 1 1/2 x 1/2	HD series coils	1.10
K10353	3921	Jack	10 1/2 x 1 1/2 x 1/2	coils	1.25



B&W Type T Inductors

The ideal answer for most amateur applications and for powers up to 500 watts. Ideally suited for all medium power uses. Two types available: fixed center link with center tap, and variable center link with center tap. The latter arrangement which has the link hinged on the jack base, permits matching of load impedances of 72 ohms. The same link is used with coils for all bands and it may be arranged for easy panel mounting. All coils are ruggedly built and reasonably priced.



All inductors furnished less jack bar assembly. Dimensions of inductors (Length x Height x Coil Diam.) vary from 5 1/2" x 4 1/2" x 2 1/4" to 5 1/2" x 4 1/2" x 3 1/4".

Type TCL—Center Link, CT

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10454	3308	10 M	19 mmf	\$2.89
K10355	3309	15 M	21 mmf	2.96
K10356	3310	20 M	21 mmf	2.96
K10357	3311	40 M	34 mmf	3.30
K10358	3312	80 M	55 mmf	3.65

Type TVL—Variable Link, CT

Stk No.	B&W No.	Band	C to res. LF end*	Your Cost
K10434	3315	10 M	17 mmf	\$2.20
K10359	3316	15 M	22 mmf	2.28
K10433	3317	20 M	22 mmf	2.28
K10432	3318	40 M	29 mmf	2.61
K10431	3319	80 M	39 mmf	2.96

*Actual condenser capacity will be smaller by the sum of the tube output and wiring capacities, generally bet. 5 & 20 mmf.

Steatite Jack Bar and Swinging Link Assemblies

B&W No. 3321—For center link type inductors. **\$1.25**

K10322—Your Cost

B&W No. 3322—Base assembly and swinging link for TVL types. **\$5.50**

K10395—Your Cost

Note: Type TCL coils have link, center tap and five plugs.

B&W Miniinductors



Highly efficient miniature coils. Extremely low losses. Available in sizes from 1/2" to 1" diameter. Especially useful in high-frequency circuits. Supplied in standard 2" lengths which may be readily cut to size. Each diameter is available in four different pitches. The Q characteristic of Miniinductors is amazingly high due to the almost total absence of insulating material. Thus Miniinductors prove useful as tank circuit coils, R-F chokes, high-frequency I-F transformers, loading coils and a host of other special sized applications.

Type JEL—End Linked Models

Stk No.	B&W No.	Diam. (in.)	Turns per in.	Each
K10360	3001	1/2	4	31¢
K10361	3002		8	
K10362	3003		16	
K10363	3004	32		

Type JCL—Center Linked Models

Stk No.	B&W No.	Diam. (in.)	Turns per in.	Each
K10364	3005	3/8	4	37¢
K10365	3006		8	
K10366	3007		16	
K10367	3008	32		

Type JVL—Variable Linked Models

Stk No.	B&W No.	Diam. (in.)	Turns per in.	Each
K10368	3009	1/2	4	44¢
K10369	3010		8	
K10370	3011		16	
K10371	3012	32		

Type JCL—Center Linked Models

Stk No.	B&W No.	Diam. (in.)	Turns per in.	Each
K10372	3013	1	4	50¢
K10391	3014		8	
K10392	3015		16	
K10393	3016	32		

B&W "Band Hoppers"

Using the same coil design as B&W Juniors, model 2A "Band Hopper" provides a panel controlled unit of unusual compactness. It may be used for interstage coupling between two beam power tubes or between beam power tubes and triodes. By means of a special tapping arrangement, this unit covers the 80, 40, 20, 15 and 10 meter bands. A tuning capacitor of 50 mmf. capacity is recommended for use with the type 2A "Band Hopper." **\$4.81**



BUD transmitting components



Midget Condensers Triple Section

Mid-line plate type, 3 gang condensers fill need for tuning unit suitable for short wave super het receivers having an RF stage, gang-tuned exciters, and numerous other applications. Base or panel mtg.

Stock No.	Mmfd.		Air Gap	Plates per Sect.		Rear L'th	Your Cost
	Max.	Min.					
K9500	20	4	.060"	6	5 1/2"		\$3.73
K9501	35	6	.060"	11	5 1/2"		4.00
K9502	100	6	.024"	14	5 1/2"		4.23
K9503	140	6	.024"	19	5 1/2"		4.56

Universal Neutralizing And High Frequency Tuning Condensers.

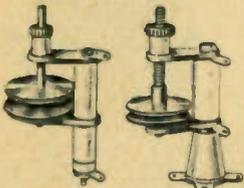


Two pillar construction practically does away with vibration variation and tends to

sturdiness. Lock nut for adjusting movable plate.

Stock No.	Plate Dia.	Plate Ht.	Mmfd.		Shp. Wt.	Your Cost
			Max.	Min.		
K9554	1 1/2"	3 3/4"	11	5	3 lbs.	\$2.44
K9555	2 1/2"	3 3/4"	24	1	3 lbs.	3.53

Feed Through And Base Mounted Neutralizing Condensers



This type of condenser is particularly suited in circuits utilizing tubes with the grid lead terminating in base. Plates of aluminum. Threaded brass rod holding the condenser in place brings the connection to the bottom plate thru the chassis, shorting and simplifying wiring.

Stock No.	Plate Dia.	Mmfd. Max.	Mmfd. Min.	Mtg. Hole	Shp. Wt.	Your Cost
K9568	1 1/2"	11	.5	1 1/2"	3 lbs.	2.44
K9569	1"	6	.5		2 lbs.	1.12

U.H.F. - R.F. Chokes



Ceramic rod single layer with strap leads. For use on 2 1/2 or 5 meters.

Stock No.	Inductance	Current	D.C. Resis. Ohms	Sbp. Lg.	Your Cost
K10112	15 uh.	1.7 a.	0.2	2 1/4"	.85

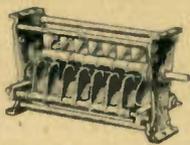


X'mitting Chokes

For use in high-power transmitter plate circuits. On "A" rod, connection lugs and mtg. foot. Coating prevents moisture absorption. Used on 10, 20, 40, 80, and 160 meter bands. Distributed capacity at minimum.

Stock No.	Inductance	Current	D.C. Resis. Ohms	Sbp. Wt.	Your Cost
K10115	4.3 mh	600 ma.	12	1 lb.	1.18

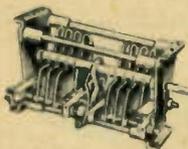
BUD Master X'mitting Condensers, Single Section



Condenser is in rigid, sturdy frame of two end-plates which are made from 1/4" aluminum and tied together with 4/16" diameter tie-rods. The end-plates have angles on top and bottom to facilitate mounting and to enable the associated inductance to be attached directly to the condenser. The rotors and stators made from 0.051" aluminum. Rotor shaft is 1/8" diam.

Stock No.	Mmfd.		No. of Plates	Air Gap	Length Overall	Shipping Wt.	Your Cost
	Max.	Min.					
K9504	55	8	7	.100"	4 7/8"	5 lbs.	\$5.73
K9505	70	9	9	.100"	5 1/8"	5 lbs.	6.17
K9506	100	13	13	.100"	5 3/4"	5 lbs.	6.47
K9507	150	17	17	.100"	6 1/8"	6 lbs.	6.79
K9508	35	11	7	.200"	5 1/8"	5 lbs.	6.17
K9509	50	13	11	.200"	6 1/8"	6 lbs.	6.53
K9510	75	16	15	.200"	7 1/8"	6 lbs.	7.06
K9520	100	20	21	.200"	8 1/8"	6 lbs.	7.50
K9521	145	35	29	.200"	10 1/8"	7 lbs.	8.97
K9522	35	14	9	.300"	6 1/8"	6 lbs.	6.67
K9523	55	18	15	.300"	8 1/8"	7 lbs.	7.79
K9524	75	21	21	.300"	10 1/8"	7 lbs.	8.94
K9525	100	28	29	.300"	13 1/8"	8 lbs.	9.70
K9526	50	22	15	.375"	9 1/8"	7 lbs.	8.17
K9527	75	28	25	.375"	14 1/8"	8 lbs.	10.29

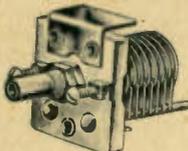
BUD Master X'mitting Condensers, Dual Section



Offers the last word in variable air capacitors for high and ultra-high freq. applications. Tie-rods insulated by glazed Steatite pillars eliminating all closed metallic loops in frame. Special feature is placing positive double wiping silver plated rotor contact between the two sections at center of rotor. These eliminate majority of difficulties due to perastics, circulating currents, neutralization, and permits perfect circuit balance.

Stock No.	Mmfd.		Plates per Section	Air Gap	Length Overall	Shipping Weight	Your Cost
	Max.	Min.					
K9528	25	9	5	.200"	8 1/8"	7 lbs.	\$12.05
K9529	35	12	7	.200"	9 1/8"	7 lbs.	13.23
K9530	50	13	11	.200"	11 1/8"	7 lbs.	13.73
K9531	75	16	15	.200"	13 1/8"	8 lbs.	15.58
K9532	100	20	21	.200"	16 1/8"	9 lbs.	17.05
K9533	50	15	13	.300"	14 1/8"	8 lbs.	14.41

BUD Tiny Mite Tuning Condensers, Single Section

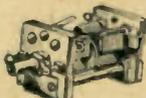


For applications where space weight are limiting factors, for tuning of UHF circuits. Rigid construction, close fitting bearing, positive rotor contact, and insulation are features. Unit may be mounted 3 ways without additional hardware. (1) single hole panel, (2) insulated panel, and (3) insulated base mount.

Stock No.	Mmfd.		No. of Plates	Air Gap	Shipping Weight	Your Cost
	Max.	Min.				
K9537	8	2.5	3	.017"	2 lbs.	\$0.79
K9539	15	3	5	.017"	2 lbs.	.91
K9540	25	4	9	.017"	2 lbs.	.97
K9541	35	5	13	.017"	2 lbs.	1.03
K9542	50	6	19	.017"	2 lbs.	1.09
K9544	75	7	29	.017"	2 lbs.	1.29
K9543	100	9	37	.017"	2 lbs.	1.35
K9545	10	4	7	.037"	2 lbs.	1.00
K9546	15	5	11	.037"	2 lbs.	1.09
K9547	25	5.5	17	.037"	2 lbs.	1.29
K9548	35	6	21	.037"	2 lbs.	1.41
K9550*	50	8	35	.037"	3 lbs.	1.82
K9551	6	3.5	5	.073"	2 lbs.	1.06
K9552	15	5.5	15	.073"	2 lbs.	1.29
K9553*	25	9	27	.073"	3 lbs.	1.76

* Denotes double bearing.

BUD Tiny Mite Dual Condensers



End pieces are held together firmly with two tie-rods. Round plate soldered on rotor rod to shield rotor sections. Large surface front sleeve bearing, ball and cup rear bearing provide smooth rotation.

Stock No.	Mmfd.		Plates per Section	Air Gap	Length Overall	Shipping Weight	Your Cost
	Max.	Min.					
K9511	8	2.5	3	.017"	1 1/8"	2 lbs.	\$1.85
K9512	15	3	5	.017"	2 1/8"	2 lbs.	2.03
K9513	25	4	9	.017"	3 1/8"	3 lbs.	2.23
K9514	50	6	19	.017"	4 1/8"	3 lbs.	2.32
K9515	100	9	37	.017"	6 1/8"	4 lbs.	2.64
K9516	10	4	7	.037"	2 1/8"	3 lbs.	1.94
K9517	15	5	11	.037"	3 1/8"	3 lbs.	2.15
K9518	25	5.5	17	.037"	4 1/8"	4 lbs.	2.29
K9519	35	6	21	.037"	5 1/8"	4 lbs.	2.47

BUD Jr. X'mitting Condensers



Excellent suited for low and medium power transmitters, etc. Each require panel space of 3x2 1/4". Rigid and perfectly spaced. Alsimag stator insulation. Brass rotor and stator plates, cadmium plated. Panel m'tg., plus brackets for chassis m'tg.

Stock No.	Max	Air Gap	Rear L'th	Your Cost
K10621	50	.051"	2 1/4"	\$2.15
K10622	100	.051"	2 1/4"	2.32
K10623	145	.051"	3 1/4"	2.73
K10624	250	.051"	4 1/4"	3.38
K10625	25	.078"	2 3/8"	2.11
K10626	55	.078"	2 3/8"	2.11
K10627	110	.078"	4 1/4"	2.47
K10628	20	.144"	3"	3.00
K10629	55	.144"	3"	3.22
K10630	105	.144"	4 3/8"	3.00
K10631	18	.175"	3 1/8"	4.00
K10632	55	.175"	5 1/8"	2.59
K10633	100	.175"	9 3/8"	3.85
				5.11

Compact Neutralizing Condensers



Where space is prime factor. Low loss Steatite used as dielectric. Mounted either by one hole or fastening to solder lugs provided. Brass parts are nickel plated. Locknut permits locking of movable plate.

Stock No.	Mmfd.	Overall Length	Shp. Wt.	Your Cost
K9535	1 to 6	2 3/8"	2 lbs.	1.18
K9536	2 to 12	3 3/8"	3 lbs.	1.56

Double-Spaced X'mitting Midgets



Hard drawn brass plates and rods electro-soldered and heavily cadmium plated. Alsimag 196 insulation. Double spring rotor contacts. Wide plate spacing. Double bearings on single and 2 gang units.

No.	Mmfd.	Gap	Plates	Each
K10827	5-15	.060"	5	\$1.44
K10828	7-35	.060"	11	1.68
K10829	8-50	.060"	15	1.79
K10830	10-75	.060"	23	2.21
K10831	13-100	.060"	31	2.26

2-Gang Double-Spaced X'mitting Midgets

Heavy ceramic base permits mounting these double-spaced condensers directly to the chassis.

K10832	6-20"	.060"	6"	\$2.50
K10833	7-35"	.060"	11"	2.67

* Per Section.

Single-Spaced Midget Receiving Condensers

Semi-circular plate type. Have single bearing (except 2-gang which is built on ceramic base and has two bearings) and spacing suitable for receivers and low power transmitters and transceivers.

Stock No.	Cap. Mmfd.	Air Gap	No. Plates	Your Cost
K10835	4-15	.024"	3	\$0.74
K10836	5-35	.024"	5	.79
K10837	6-50	.024"	7	.85
K10838	7-100	.024"	14	1.03
K10839	7-140	.024"	19	1.12
K10834	7-100"	.024"	14"	2.67

* 2-Gang ratings per section.

Heat Radiating Grid and Plate Caps

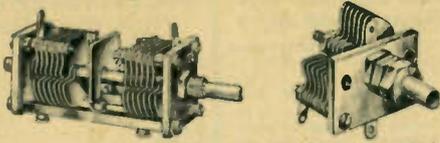


Use at terminals of x'mitting tubes. Protects glass.

K14377	For HK-24	35c ea.
K14378	For 35 T.H.K.-54	
K14381	For 100 T. 807	
	For 125, 250	59c ea.
K14388	For 866, T-125	

CARDWELL transmitting condensers

TRIM-AIR Midget Condensers—Single & Dual



X'mitting and receiving condensers. Shaft 1/4" diam., nicked brass, end plates 1/8" insulante, plates .020" alum. Spacers, etc., nicked brass.

Dual Trim-Air Condensers

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8749	PL-6041	EU-75-AD	75	2.7	15	.020	1 1/2 x 4 1/2 x 1 1/2	\$2.88
K8750	PL-6042	EU-100-AD	100	3	19	.020	1 1/2 x 4 1/2 x 1 1/2	3.00
K8751	PL-6043	EU-140-AD	140	3	27	.020	1 1/2 x 4 1/2 x 1 1/2	5.31
K8745	PL-6029	ER-15-AD	15	1.5	5	.030	1 1/2 x 2 1/2 x 1 1/2	2.31
K8746	PL-6030	ER-25-AD	25	2	7	.030	1 1/2 x 2 1/2 x 1 1/2	2.37
K8747	PL-6031	ER-35-AD	35	2.5	11	.030	1 1/2 x 2 1/2 x 1 1/2	2.58
K8748	PL-6032	ER-50-AD	50	2.8	13	.030	1 1/2 x 2 1/2 x 1 1/2	2.73
K8570	PL-6065	ER-100-AD	100	6.9	25	.030	1 1/2 x 2 1/2 x 1 1/2	4.89
K8589	PL-6037	ET-15-AD	15	3	9	.070	1 1/2 x 2 1/2 x 1 1/2	2.64
K8752	PL-6039	ET-30-AD	30	4	17	.070	1 1/2 x 2 1/2 x 1 1/2	3.18
K8591	PL-6035	ES-7-SD	7	4	7	.140	1 1/2 x 2 1/2 x 1 1/2	3.54

Single Trim-Air Condensers (Long Shaft)

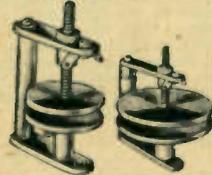
No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8635	PL-6016	ZU-75-AS	75	2.7	15	.020	1 1/2 x 2 1/2 x 1 1/2	1.50
K8636	PL-6017	ZU-100-AS	100	3	19	.020	1 1/2 x 2 1/2 x 1 1/2	1.53
K8637	PL-6018	ZU-140-AS	140	5	27	.020	1 1/2 x 2 1/2 x 1 1/2	2.76
K8652	PL-6000	ZR-10-AS	10	1.2	3	.030	1 1/2 x 2 1/2 x 1 1/2	1.11
K8631	PL-6001	ZR-15-AS	15	1.5	5	.030	1 1/2 x 2 1/2 x 1 1/2	1.14
K8632	PL-6002	ZR-25-AS	25	2	7	.030	1 1/2 x 2 1/2 x 1 1/2	1.26
K8633	PL-6003	ZR-35-AS	35	2.5	11	.030	1 1/2 x 2 1/2 x 1 1/2	1.32
K8634	PL-6004	ZR-50-AS	50	2.8	13	.030	1 1/2 x 2 1/2 x 1 1/2	1.38
K8571	PL-6055	ZR-100-AS	108	6.6	29	.030	1 1/2 x 2 1/2 x 1 1/2	1.98
K8572	PL-6044	ZT-5-AS	5	1.5	3	.070	1 1/2 x 2 1/2 x 1 1/2	1.26
K8586	PL-6010	ZT-10-AS	11	3.6	6	.070	1 1/2 x 2 1/2 x 1 1/2	1.29
K8587	PL-6011	ZT-15-AS	15	3	9	.070	1 1/2 x 2 1/2 x 1 1/2	1.35
K8653	PL-6022	ZS-4-SS	4	1.5	5	.140	1 1/2 x 2 1/2 x 1 1/2	1.65
K8588	PL-6023	ZS-7-SS	7	4	7	.140	1 1/2 x 2 1/2 x 1 1/2	1.83

Single Trim-Air Condensers (Stub Shaft)

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8560	PL-6007	ZR-25-AS	25	2	7	.030	1 1/2 x 2 1/2 x 1 1/2	1.26
K8562	PL-6009	ZR-50-AS	50	2.8	13	.030	1 1/2 x 2 1/2 x 1 1/2	1.38

Disc Type Neutralizer

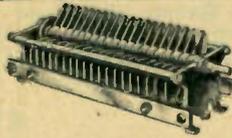
For neutralizing low capacity transmitting triodes. Glazed steatite insulation. Kaurlid thumb nut. Fine screw thread adjustment—no wobble. Heavy satin finish.



Stock No.	Cap.	Air Gap	Dimensions W x L x H	Your Cost
K8600	1-7mmf.	.100-.700	1 1/2 x 2 1/2 x 5 1/2	\$2.64
K8601	3-15mmf.	.200-1.000	4 x 4 1/2 x 5 1/2	4.44

"T" Type Heavy Duty Condensers

To accommodate increased capacity and airgap requirements for higher power operation. Shaft of 1/4" diam. End plates 1/4" thick, brass and nickel plated. Bearings of nicked brass, oversized steel ball thrust rear bearing.



Double Heavy Duty Transmitting Condensers

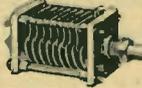
No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8619	PL-9030	TL-50-UD	45	15	7	.294	6 1/4 x 9 1/2 x 5 1/2	118.99
K8622	PL-9033	TL-100-UD	98	26	15	.294	6 1/4 x 13 1/2 x 5 1/2	26.19
K8639	PL-9034	TL-160-UD	160	40	25	.294	6 1/4 x 22 1/2 x 5 1/2	33.39

Single Heavy Duty Transmitting Condensers

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8643	PL-9002	TC-300-US	300	42	35	.200	6 1/4 x 13 1/2 x 5 1/2	24.30
K8644	PL-9020	TZ-80-R8	83	32	21	.500	6 1/4 x 15 1/2 x 8 1/2	24.30

Trim Air Midgets

A Balancing condenser the PL6046 is similar to Trim-Airs above except this type has two stators, 180° from each other. For single hole mtg. To meet requirements of portable mobile equipment, the heavy duty condensers incorporate a four-tie-rod frame for greater strength and rigidity.



Trim-Air Balancing

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8563	PL-6046	ER-50-AB	50	2.8	13	.030	1 1/2 x 2 1/2 x 1 1/2	\$2.01

Trim-Air Heavy Duty

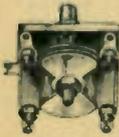
No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8605	PL-6056	ER-50-ASP	50	2.8	13	.030	1 1/2 x 2 1/2 x 1 1/2	2.61
K8607	PL-6057	ER-50-ADP	50	2.8	13	.030	1 1/2 x 2 1/2 x 1 1/2	2.88

Cardwell V.H.F. Oscillator Kit & Midget Condensers For U.H.F.

Kit has 3 sets of coils covering 144-148 MC, 220-225 MC, 420-450 MC bands. 6F4 not included. For local oscillator, for superhet as plated modulated oscillator for low power X'mitter or transceiver, driver unit for amplifier tube in higher powered X'mitter, etc. **\$10.80** 6F4 Tube \$5.55 **K8609—Your Cost.**

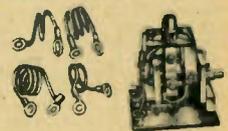
Butterfly Type Condensers

Stock No.	Mfg. No.	Type	Air Gap	Stator Plates	Rotor Plates	Max. Cap.	Min. Cap.	Length Inches	Your Price
K8611	PL-6076	EH-8-BF/S	.030	2	3	5	1.5	1 1/2	\$1.62
K8613	PL-6113	ER-14-BF/8L	.030	2 (180°) 2 (90°)	3 (Disc) (90°)	13	10.4	2 1/2	2.40



Butterfly Type

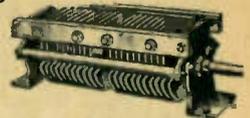
"Butterfly" 90° midget condensers are electrically symmetrical, low inductance, no moving contacts, removable plates, insulante insulation 1 1/8 x 1 1/2 hole mtg.



U. H. F. Kit

MIDWAY X'mitting Condensers

Ideal for low and medium power x'mitter for portable mobile and aircraft equipment because of its light weight, sturdiness and compactness. Aluminum plates and rods. Shaft is 1/4" C.R. steel cadmium plated. Brass bearings, Mycalex insulation, 3 pt. front panel mtg.



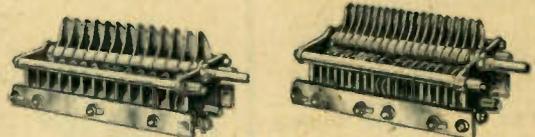
MIDWAY Single Condensers

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8568	PL-7005	MR-260 BS	260	13	25	.030	3 1/2 x 4 1/2 x 2 1/2	\$3.84
K8569	PL-7006	MR-365 BS	365	16	35	.030	3 1/2 x 4 1/2 x 2 1/2	4.20
K8550	PL-7015	MT-20 GS	25	8	5	.070	3 1/2 x 3 1/2 x 2 1/2	2.88
K8552	PL-7017	MT-50 GS	50	10	11	.070	3 1/2 x 3 1/2 x 2 1/2	3.45
K8553	PL-7018	MT-70 GS	70	10	15	.070	3 1/2 x 4 1/2 x 2 1/2	3.93
K8554	PL-7019	MT-100 GS	100	14	21	.070	3 1/2 x 4 1/2 x 2 1/2	4.32
K8555	PL-7020	MT-150 GS	150	18	31	.070	3 1/2 x 5 1/2 x 2 1/2	5.31
K8614	PL-7021	MG-35-NS	35	14	15	.171	3 1/2 x 5 1/2 x 2 1/2	5.31

MIDWAY Dual Condensers

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8548	PL-7010	MR-100-BD	112	9	11	.030	3 1/2 x 4 1/2 x 2 1/2	4.50
K8621	PL-7028	MT-50-GD	50	9	11	.070	3 1/2 x 4 1/2 x 2 1/2	5.61
K8628	PL-7029	MT-70-GD	70	11	15	.070	3 1/2 x 5 1/2 x 2 1/2	6.18
K8629	PL-7030	MT-100-GD	100	13	21	.070	3 1/2 x 5 1/2 x 2 1/2	7.05
K8649	PL-7031	MO-180-BD	190	13	29	.050	3 1/2 x 7 1/2 x 2 1/2	7.05

"X" Type Standard Transmitting Condensers



G'nded rotor, variable air condenser. All components of nicked brass. 1/4" cadmium plated steel shaft, .040" alum. plates. 3 pt. front mtg.

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8574	PL-8005	XR-500-PS	475	18	21	.030	4 1/2 x 3 1/2 x 3 1/2	\$4.53
K8575	PL-8007	XR-1000-PS	950	30	41	.030	4 1/2 x 5 1/2 x 3 1/2	8.70
K8604	PL-8050	XT-440-PS	440	40	43	.070	4 1/2 x 6 1/2 x 3 1/2	6.78
K8641	PL-8040	XP-90-KS	90	16	11	.084	4 1/2 x 3 1/2 x 3 1/2	3.99
K8583	PL-8028	XE-80-XS	80	15	11	.100	4 1/2 x 4 1/2 x 3 1/2	4.95
K8596	PL-8030	XE-150-XS	150	22	21	.100	4 1/2 x 5 1/2 x 3 1/2	6.60
K8597	PL-8031	XE-240-XS	240	30	33	.100	4 1/2 x 7 1/2 x 3 1/2	9.60
K8559	PL-8025	XD-160-XS	160	28	27	.125	4 1/2 x 7 1/2 x 3 1/2	7.98

"X" Type Standard Double Variable Condensers

No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8647	PL-8065	XP-90-KD	95	15	11	.084	4 1/2 x 5 1/2 x 3 1/2	6.63
K8598	PL-8061	XE-120-XD	120	19	17	.100	4 1/2 x 7 1/2 x 3 1/2	8.85
K8618	PL-8063	XG-50-XD	50	11	11	.171	4 1/2 x 3 1/2 x 3 1/2	9.45
K8610	PL-8064	XG-110-XD	110	21	21	.171	4 1/2 x 12 1/2 x 3 1/2	15.90
K8645	PL-8056	XC-40-XD	40	11	11	.200	4 1/2 x 8 1/2 x 3 1/2	10.17
K8646	PL-8057	XC-75-XD	75	19	19	.200	4 1/2 x 12 1/2 x 3 1/2	13.26

Type "N" U.H.F. Condensers

Straight line capacity. Ceramic insulation. .040" plates with rounded edges NP-35-ND with polished edges. Single hole or 3 pt. panel mounting. Shaft is 1/4" thick cadmium plated steel. Eliminates closed circuit loops completely. *Single, †Dual.



No.	Mfg. No.	Type	Max.	Min.	Plates	Gap	W x L x H	Each
K8557	*PL-7100	NP-50-DS	50	9	13	.084	2 1/2 x 4 1/2 x 2 1/2	\$3.09
K8558	*PL-7101	NP-75-DS	75	11	19	.084	2 1/2 x 6 1/2 x 2 1/2	3.63
K8576	*PL-7102	NP-100-DS	100	13	25	.084	2 1/2 x 8 1/2 x 2 1/2	4.11
K8579	†PL-7105	NP-50-GD	50	7	11	.070	2 1/2 x 6 1/2 x 2 1/2	5.31
K8651	†PL-7106	NP-35-ND	35	5	9	.084	2 1/2 x 6 1/2 x 2 1/2	5.31
K8594	†PL-7107	NP-50-DD	35	5	9	.084	2 1/2 x 6 1/2 x 2 1/2	5.74
K8545	†PL-7108	NP-50-DD	50	9	13	.084	2 1/2 x 8 1/2 x 2 1/2	4.31
K8546	†PL-7109	NP-75-DD	75	11	19	.084	2 1/2 x 11 1/2 x 2 1/2	6.36

"NA" Neutralizing Condensers

This type offers 180° neutralizing condenser of restricted range, for dial or screw driver adjustment. Aluminum end plate carries mycalex insulating plate supporting stator section. Plates .040" alum. 3 pt. mtg. on panel or foot mtg., preferably on a ceramic pillar if both sides of the condenser required above ground potential. Shaft lock for permanent setting.

miscellaneous amateur equipment

POLYSTYRENE Sheets



Strong, clear flexible material (Polystyrene) for high frequency, RF or high-voltage work. Does not deteriorate with age and will not discolor. Absorbs little moisture; water content only, 8%. Can be cut, drilled, machined, etc.

No.	Dimensions	Each
K8071	6x8x $\frac{1}{8}$	\$0.59
K8072	6x8x $\frac{1}{4}$	1.18
K8073	6x8x $\frac{1}{2}$	1.76

POLYSTYRENE Strips

A synthetic resin having transparency greater than most glass and having good electrical insulation characteristics. Can be shaped (when heated), drilled, cut, etc. Very strong. In strips $1\frac{1}{2}$ " long, $\frac{1}{8}$ " thick. For coil supports, transmission line spreaders, trimmer bases, or binding post or tip jack mounting strips.

No.	Width	Each
K8063	$\frac{1}{2}$ "	12c
K8064	$\frac{3}{4}$ "	18c
K8065	1"	24c
K8066	1 $\frac{1}{2}$ "	30c

POLYSTYRENE Tubing

This plastic tubing is made from cellulose acetate Butyrate. The outstanding properties of this type of plastic is its toughness, high impact strength, low water absorption with resultant dimensional stability and ease of machining. It is very stable under trying heat and freezing conditions. At normal temperature this type tubing will withstand considerable pressure. Bursting pressures are reduced approximately 60% at 150°F. Tensile strength 4,500 lbs. per square inch. An excellent substitute for block tin, stainless steel, copper, etc., in water and beer cooling systems. Bent and shaped with the application of heat. Sold in 12" lengths.

No.	Outside	Inside	Wall	Cost
K8097	$\frac{1}{4}$ "	$\frac{1}{8}$ "	.062"	7c per ft.
K8098	$\frac{3}{8}$ "	$\frac{1}{4}$ "	.062"	10c per ft.
K8099	$\frac{1}{2}$ "	$\frac{3}{8}$ "	.062"	11c per ft.
K8101	$\frac{3}{4}$ "	$\frac{1}{2}$ "	.062"	14c per ft.
K8102	1"	$\frac{3}{4}$ "	.062"	19c per ft.
K8104	1 $\frac{1}{4}$ "	1"	.062"	23c per ft.
K8105	1 $\frac{1}{2}$ "	1 $\frac{1}{4}$ "	.062"	31c per ft.

E-L Model 2606 Power Converter



High in power... low in cost! That's this power converter which was especially designed for portable-mobile radio operation. Careful design has made possible extra quality in smaller space. The E-L vibrator in the 2606 has normal life of 500 hours. The compactness and

the sturdiness of this unit makes it ideal for the operation of mobile transmitter-receivers from 6 Volts DC and delivers 30 watts of completely filtered power. If permanent installation is desired—as in a motor truck or car or in a stationary amateur rig—the unit may be mounted in a trunk compartment shelf, vehicle fire wall or radio chassis merely by inserting a stud into a tapped hole in the base plate. Includes complete audio filtering and RF noise suppression for the high frequency band. Operated automatically by the switch controlling the radio equipment and has been designed to operate over an input range of 5.5 to 7.5 volts. Installation easy, connections made to a four terminal connector strip on front of converter. Input—6 V. DC. Output—300 V. DC at 100 ma., 30 watts continuous output power. Complete hum filtering. 60% efficiency. Regulation is 38% between no load and full load. 4 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ " x 5". Shpg. wt. 8 lbs. **K17236—Your Cost Each \$15.00**

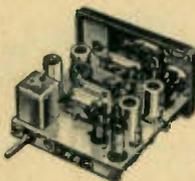


BROWNING Amateur Frequency Meter Model MJ-9

Designed for checking the frequencies of amateur transmitters operating in any amateur band from 3.5 to 148 megacycles on either FM or AM. Furnishes RF of known frequency to replace crystal oscillator in transmitters. **Electrical Features:** Large clear-cut dial face reads directly in frequency on seven amateur bands. May be used in place of a crystal to furnish RF voltage to excite or transmitter. Has an accuracy of .05% at all frequencies. Secondary standard is 500 kilocycle crystal whose freq. can be checked with WWV. To cover the 3.5-4.0, 7.0-7.3, 14.0-14.4, 20.5-21.5, 28.0-29.7, and 50.0-54.0 Mc. bands a stable electron-coupled oscillator is used. The 148-148 Mc. band is covered by the harmonics of the 20.5-21.5 band. Low power consumption. 40V-Amperes. 110/120 volt 25/60 cycle AC-DC. Tubes Used: 6SK7GT, 6SL7GT, and 25Z6GT.

Mechanical Features: Steel cabinet with $\frac{1}{4}$ " aluminum panel. Black leatherette panel finish with black wrinkle cabinet. $5\frac{1}{2}$ " dial for ease of reading. Engraved panel labels. All controls on front. Crystal check points are marked on dial. 7x10x6 $\frac{1}{2}$ ". Shpg. wt. 11 lbs. **K21476—Your Cost \$89.50**

GON-SET 6 Meter and 10-11 Meter Converters



GON-SET 10-11 Meter Converter. Complete with built-in pre-selection, designed for use with either broadcast, auto, or communications receivers. Attaching Converter



to your present radio provides unexcelled mobile or fixed reception. Ideal for hams converting surplus receivers to their own requirements. Permits bandspread tuning (8 to 1 vernier) from 27 to 30 megacycles (the GON-SET 6 has a 50 to 54 megacycle spread) on any broadcast receiver. Tubes used in the GON-SET are the 6AK5 R.F., 6AK5 Mixer, 6C4 Osc., OB2 Voltage Regulator. Output frequency is 1,500 to 2,000 Kc. All necessary cables are included. Input jacks are furnished for mobile or fixed antennas, illuminated dial, single dial control, on-off switch. Gray crackle finish. Only 5 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x5 $\frac{1}{4}$ " deep overall—small enough to attach to the steering column of your car. Shpg. wt. 4 lbs. **K21169—With tubes. 10 meter converter. K21171—With tubes. 6 meter converter. Your Cost, Either One \$39.95**

MILLEN Quartz "Q" Sheet



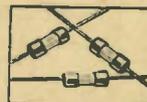
For panels, condenser mtg., insulation, etc. Drills and cuts rapidly. Quartz "Q" is a highly polymerized styrene having remarkable low R.F. loss and high resistance to voltage breakdown. Size: 3x8 $\frac{1}{2}$ " x 1/10" thick. **K8024—Millen No. 55001. Your Cost Each 45c**

POLYSTYRENE Round Rod, Clear Finish

No.	Diameter	Each
K8067	$\frac{1}{8}$ "	\$0.08 per ft.
K8068	$\frac{3}{16}$ "	.17 per ft.
K8069	$\frac{1}{4}$ "	.31 per ft.
K8106	$\frac{5}{16}$ "	.48 per ft.
K8107	$\frac{3}{8}$ "	.68 per ft.
K8108	$\frac{7}{16}$ "	.94 per ft.
K8109	1"	1.27 per ft.

Very good electrical properties which are not affected after long immersion in water. Excellent air resistance and is non-tracking. Has very low power factor unaffected by frequency, temperature or moisture. High resistance to corrosive chemicals such as acids, alkalis, salts and lower alcohols. Tough and stable at subnormal temperatures. Cementing is possible. Sold in 12" lengths.

Crystal Diode Type 1N34



The SYLVANIA Type 1N34 Crystal Diode was especially developed to give superior performance at high frequencies and with low values of load resistance. Rated for a maximum of 22.5 ma. average anode current, it is useful in such applications as second detectors and DC restorers in television receivers, and frequency discriminators in FM sets in frequency ranges up to 100 megacycles. Soldered in place without the use of tube sockets. Will stand a great deal of shock, abuse and vibration. Its superior electrical performance is derived from low value of forward resistance. Has low shunt capacitance.

K13458—Your Cost Each \$1.80

Plug-In Coils



Amphenol "912-A" polystyrene coil forms. Prong spacing fits standard tube sockets. Diam. of coil $1\frac{1}{2}$ ". Length of body 2 $\frac{1}{2}$ ". Impregnate wound coils with liquid "912".

No.	Mfg.	Type	Your Cost
K8078	24-AP	4-Prong	36c
K8079	24-SP	5-Prong	39c
K8080	24-6P	6-Prong	43c

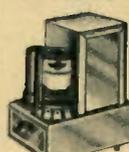
E-L All Purpose Converter



The all purpose converter for two-way radio operation from 115 V. AC or 6 V. DC. Designed to supply plate and filament power to any type of radio transmitter, from either 115 V. AC or 6 V. DC, the E-L Model 619 is especially useful for emergency operation in the case of failure of the 115 Volt AC power line. It is well adapted, because of its sturdy, compact construction, to portable and mobile two-way radio operation by radio amateurs, taxicab and truck fleets, police, public service companies and others. This unit is also suitable for operation of mobile Public Address systems. Installation and operation of this unit is very easy. A common plug-type connection is provided for both power inputs, and a socket connection for the output. An AC-DC selector switch is mounted on the front panel for power input selection. The unit is operated by throwing the toggle switch to the "on" position.

General Data: Input 6 V. DC or 115 V. AC. Output is 300 V. DC at 100 ma., no-hum filter incorporated. Output power is 60 watts (max.). Unit has been carefully designed to eliminate RF noise to cover a frequency band of 20 mc. to 150 mc. Efficiency—63% at rated load. Regulation—26.2% at rated load. Fuses—15 ampere, 3-AG fuse is located on the front panel. Size: Length 9 $\frac{1}{2}$ ", width 5 $\frac{1}{2}$ ", and height 6". Shipping weight is 16 pounds. **K17237—E-L Model 619 Converter. Your Cost Each \$24.00**

E-L Multiple Output Converters

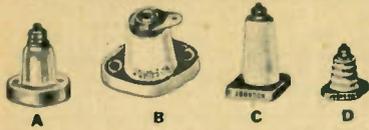


Multiple output converters provide high voltage DC from 6-Volt batteries and give outstanding service in providing plate and grid supply for radio X'mixer-receivers, within their power capacities. Designed to mount on radio chassis and thus are admirably suited to installation in any two-way radio application—portable, mobile, or stationary. No-hum filter is incorporated.

Model	General Data	
	604A	601
Input V.:	6 V. DC	6 V. DC
Output V.:	225 V. at 50 ma. 250 V. at 65 ma. 275 V. at 80 ma. 300 V. at 100 ma.	225 V. at 50 ma. 250 V. at 65 ma. 275 V. at 80 ma. 300 V. at 100 ma.
Output P.:	30 Watts	30 Watts
Filtering:	Full RF ONLY	Full RF ONLY
Efficiency:	No Hi-Voltage DC	No Hi-Voltage DC
Regulation:	64% at rated load	60% at rated load
Size:	20.4% at rated load	38.6% at rated load
Weight:	5 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x6"	4 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x7 lbs.
Rectifications:	6 $\frac{1}{2}$ lbs.	Self rectification
K17233—Model 604A. Your Cost \$12.00		6XSGT/G or OZ4
K17234—Model 601. Your Cost 13.50		

all-purpose insulators

JOHNSON Stand-Off Insulators



All purpose stand-offs made of white glazed porcelain. All furnished with nickel-plated hardware as listed below.

Stock No.	Type No.	Fig.	Body Ht.	Hard-ware	Your Cost
K16746	22	A	1"	8/32	7c
K16748	22J	B	1"	Jack	21c
K16745	20	A	1 1/2"	10/32	10c
K16744	20J	B	1 1/2"	Jack	12c
K17024	65	D	1 3/4"	10/32	15c
K17025	66	C	2 3/4"	1/4-20	29c
K17026	67	C	4 1/4"	1/4-20	47c

JOHNSON Spring Clip

For inductor coils of all kinds. Will take wire from #20 to #12 gauge. Lock screw adjustment.



K16749—Each

7c

BIRNBACH Stand-Off Insulators



Made of white, brilliantly glazed porcelain for maximum insulation. Ideal for mounting condensers, coils, tube sockets and other high-frequency apparatus. Complete with nicked brass hardware.



No.	Ht. B.	Dia.	Thread	Each
K17001	3/8"	3/8"	6-32	12c
K17003	1 1/8"	1 1/8"	10-32	16c
K17004	2 3/8"	1 1/2"	1/4-20	25c
K16998	1"	1 1/8"	Jack*	17c
K16999	1 1/2"	1 1/8"	Jack*	20c

*Standard banana jacks on top.

BIRNBACH Transmitter Lead-In Insulators

Each 2 1/2" high, of vitrified glazed porcelain. With nickel-plated brass hardware.



No.	Rod	Bushing	Each
K17037	10"	Metal	95c
K17038	15"	Metal	51.07
K17039	10"	Porcelain	1.23
K17040	15"	Porcelain	1.56

BEE-HIVE Stand-Off Insulator

An extra-large standoff insulator manufactured of heavy glazed porcelain. It has a ribbed body for increased surface, 2" diam. base with 3 holes.

K16735—
Your Cost Each 15c
10 For \$1.35



Birbach Steatite Pillars (Less Hardware)

In many constructions, these unmounted threaded steatite pillars will facilitate assembly because of the one-hole mounting and parallel mounting surfaces. They are made of glazed glass-like steatite with threaded holes for screws on both sides. The outer glaze helps to decrease surface leakage. They have great tensile strength with extremely low losses.



Stock No.	Height Inches	Diam. Inches	Hole Thread	Your Cost
K17015	1"	1/2"	6/32	21c
K17016	1 1/2"	1/2"	6/32	25c
K17017	2 1/2"	1/2"	6/32	28c
K17018	2 1/2"	3/4"	1/4-20	45c
K17019	4"	3/4"	1/4-20	74c

Co-ax Connector

The new Barker and Williamson CC-50 Co-ax connector is a center insulator for half-wave doublets and a co-axial cable connector which provides a means of making efficient watertight co-axial cable connections for antennas. Aluminum with steatite insulation. Complete with weatherproof cement and hardware. Shpg. wt. 1 lb.

K17000—Your Cost Each



\$5.00

300-Ohm Twin Lead & Stand-Off Insulator

A 300-ohm transmission line and stand-off insulator that is ideal for FM and television lead-ins as well as for Ham applications. Tough, weather-resistant wire. Insulator keeps the conductors parallel and a fixed distance from any surface. Insulators and twin lead transmission line can be purchased separately.

K20826—
Twin Lead Per Foot
Per 100 Feet

K17076—Insulator. Each



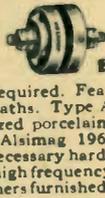
3c

52.85

15c

JOHNSON Lead-In Bushings

For antenna lead-in bushings, panel bushings, and other applications where insulated mounting is required. Feature long leakage paths. Type A made of white glazed porcelain, type B made of Alsimag 196; provided with all necessary hardware. Suitable for high frequency work. Cushion washers furnished.



Stock No.	Type No.	Fig.	Ht.	Dia.	Lth.	Your Cost
K17023*	55	B	1 1/2"	1 1/4"	1 1/4"	16c
K17020	50	A	2"	1 1/2"	2"	17c
K17021	51	A	2 1/2"	1 3/4"	2 1/2"	24c
K17022	52	A	4 1/2"	1 3/4"	4 1/2"	38c

*Made of Alsimag 196.

JOHNSON Feeder Spreaders

White glazed porcelain.



Cross section of all sizes is 3/4 x 1/2".

K17027—2" Long. Each	9c
K17028—4" Long. Each	12c
K17029—6" Long. Each	15c

JOHNSON Porcelain Stand-Off Insulators

Supplied in porcelain insulation. Asterisked numbers indicate brass base, others are of steel.



Stock No.	Dimensions	Hardware	Your Cost
K17024	3/8" x 1 1/2" x 1 1/2"	10/32	15c
K17030	5/8" x 1 1/2" x 1 1/2"	*10/32	18c
K17025	1 1/2" x 1 1/2" x 2 1/2"	1/4-20	28c
K17031	1 1/2" x 1 1/2" x 2 1/2"	1/4-20	32c
K17026	1 1/2" x 2 1/2" x 4 1/2"	1/4-20	42c
K17032	1 1/2" x 2 1/2" x 4 1/2"	1/4-20	50c
K17033	2 1/2" x 1 1/2" x 2"	10/32	21c
K17034	2 1/2" x 1 1/2" x 2"	*10/32	24c

JOHNSON Ultra-Steatite Cone Insulators

All cone insulators are furnished complete with machine screws and brass washers for the top and bottom and also equipped with cushion washers.



Stock No.	Dimensions	Hardware	Your Cost
K17035	3/4" x 3/4" x 3/4"	6/32	12c
K17036	1/2" x 1/2" x 1"	8/32	18c
K17041	1/2" x 1/2" x 1 1/2"	8/32	32c
K17042	3/4" x 1 1/2" x 2"	10/32	44c
K17043	1" x 1 1/2" x 2"	10/32	73c

Strain Insulator

A 1 1/2" strain insulator loaded in compression for greater tensile strength.

K17175—10 for 30c
Your Cost Each



4c

Transmission Line Spacer Bar

A low loss bar fabricated from Amphenol 912-B (a crystal clear, hard, tough acrylic thermoplastic, light in weight, strong and durable) possessing excellent electrical characteristics at high frequencies—low power factor—low loss factor. Possesses excellent water and weather resistance. Will not discolor from sunlight or outdoor exposure. A feature of this line spacer is that it is easily attached to the line without threading wires through holes. There is no metal contact between line wire and spacer to cause noise or changes in line characteristic. The use of the wires or set screws in direct contact with line wires is a direct contributing cause of unsuspected high noise level.

K17006—Type LX2 (2 in.)	Each	18c
K17007—Type LX4 (4 in.)	Each	27c
K17008—Type LX6 (6 in.)	Each	36c

BIRNBACH High Voltage Feed-Through Insulator

The Birnbach high-voltage feed-through insulator has a high dielectric and mechanical strength. Extra long leakage path. Bottom sleeve tapped. Height 1 1/2"; base diameter 2"; mounting hole 1 1/4". Hardware 1/4-20.

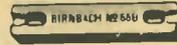
K16712—
Your Cost Each



45c

Antenna Insulators

These antenna insulators have exceptionally low moisture absorption. The leakage path is long and the cross section is small and is consistent with the strength required. A smooth white glaze overall prevents the accumulation of dirt and ice. Unusually great tensile strength and extremely low losses at higher frequencies.



No.	Length	Each
K17009—7" long	54c	
K17010—12" long	70c	
K17011—4 1/2" long center Insulator	25c	

BIRNBACH Airplane Type Strain Insulators

White glazed low-absorption porcelain. Particularly useful where good insulation is essential.

No.	Length	Each
K17012	2 inches	7c
K17013	1 1/2 inches	6c



JOHNSON Antenna Insulators

Wet Process glazed porcelain.	Long leakage path, low capacity.	Your Cost
No. Break Strength	Length	
K17044 400 pounds	4 inches	12c
K17045 800 pounds	7 inches	47c
K17050 800 pounds	12 inches	53c

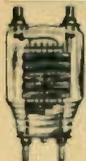
Suspension Assembly

New type insulator and all necessary hardware for connecting "Q" matching section to antenna and transmission line.

K17051—Your Cost Each \$1.47



transmitting and special purpose tubes



As the largest distributor of RCA tubes, we carry a large stock of the most popular tubes made by this outstanding manufacturer. All are characterized by rugged construction and uniformity of ratings. Closely controlled production insures their long, faithful operation.

O—Oscillator; R—RF Power Amplifier; C—Class B Modulator; B—Beam Power Amplifier; A—AR Power Amplifier; S—Screen Grid Power Amplifier; T—Triode; P—Pentode; *—ICAS Rating.

Type No.	Watts Diss.	Description	Net Price	Type No.	Watts Diss.	Description	Net Price
203A	100	R, C, T	\$12.00	838	100	T, C, R	\$12.00
211	100	T, R, C, A	12.00	841	15	R, A, T	3.80
801A	20	T, R, A, C	3.00	845	100	T, A	12.00
802	13*	F, R, O, A	4.25	849	400	T, C, A, R	120.00
805	125	T, R, C, O, C	10.00	852	100	T, R	25.00
807	30*	R, T, C, O, C	2.30	860	100	S, R	30.00
808	50	R, T, C, O, C	8.50	1608	25*	T, R, O, C	4.00
809	30*	T, R, C, O, C	3.50	1610	6	P, O	2.15
810	150*	T, C, R, R	12.50	1614	10	R, P, O	1.70
811	55*	T, C, R, R	3.50	1614	21	B, R, O	1.80
812	55*	T, C, R, R	3.50	1619	15	B, R, A, C, O	2.20
813	100	B, R	14.80	1623	30*	R, C, T, O	3.50
814	65*	B, R	14.00	1624	25	B, A, R	3.50
815	25*	B, R, A	6.25	1625	30*	B, A, R	2.30
826	60	T, O	9.25	1626	5	O	1.60
827R	800	B, R	150.00	1631	16	B	2.15
828	80*	B, R, A	12.50	1632	5.5	B	2.70
829B	40	B, R	14.75	8000	150*	T, R, O, C	13.25
832A	15	R, B	10.60	8003	100	T, R, C, O	11.25
833A	450*	T, R, C	45.00	8005	85*	T, R, C, O	7.00
837	12	R, P, O	4.15				

Type	Screen	Net	Type	Screen	Net
902A	2"	\$ 9.75	907	5"	\$48.75
905A	5"	45.00	908A	3"	15.00
3AP1A	3"	13.00	913	1"	10.25
5BP1A	5"	20.50	914A	9"	85.00
2BP1	2"	8.75	5CP1A	5"	21.00
2BP11	2"	10.00	5CP7A	5"	24.00
3BP1A	3"	15.00	5CP11A	5"	25.50
3DP1A	3"	15.00	5FP4A	5"	38.00
3FP7A	3"	20.50	7CP1	7"	24.00
3KP1	3"	13.25	7CP4	7"	32.00

Cathode Ray Tubes



Cathode Ray Rectifiers and Gas Triodes

Type	Description	Net	884	Gas Triode	885	Gas Triode	1.80
878	H. W. Hi-Vac Rec.	\$11.00	885	Gas Triode	1.80		
2X2/879	H. W. Hi-Vac Rec.	1.80	2050	Gas Tetrode	1.70		
2V3G	H. W. Hi-Vac Rec.	2.75	2051	Gas Tetrode	1.70		

Experimental Television Tubes

A specially selected series of experimental television tubes. Included are Iconoscopes, Kinescopes, and a Projection tube.

Type	Description	Net
2AP1A	2" Kinescope Elect. Stat. (Green)	59.50
5TP4	5" Projection Kinescope (White)	67.50
7OP4	7" Kine. Elect.-Mag. Defl. Elect. Stat. Focus	27.00
7GP4	7" Kinescope Elect. Stat. (White)	24.25
9AP4	9" Kinescope Elect.-Mag. (White Phos.)	62.50
10BP4	10" Kinescope Elect.-Mag. (White Phos.)	49.50
12AP4	12" Kinescope Elect.-Mag. (White Phos.)	75.00
1851	Amplifier Pentode	2.70
6AC7/1852	Amplifier Pentode (Single End)	1.56
6AB7/1853	Amplifier Pentode (Single End)	1.56
6AC7	Video Beam Power Amplifier	1.88

Miscellaneous Types

R.C.A. Type	Description	Fil. Vlt.	Es. Net
864	Amplifier Triode (low microphonic design)	1.1	\$1.20
2C40	Lighthouse Triode	6.2	13.60
2C43	Lighthouse Triode	6.3	10.30
6F4	Acorn type triode	6.3	5.55
954	Detector, Amplifier Pentode (Acorn Type)	6.3	4.90
955	Amplifier, Detector, Oscillator (Acorn Type)	6.3	3.10
956	Super-Control R.F. Amplifier Pentode (Acorn)	6.3	.45
957	Detector, Amplifier, Oscillator (Acorn)	1.25	3.25
958A	A.F. Amplifier, Oscillator (Acorn)	1.25	5.45
959	Detector, Amplifier Pentode (Acorn)	1.25	5.45
991	Voltage Regulator (Glow discharge)		.75
1603	Triple-Grid Amplifier (Low Microphonic Type)	6.3	6.15
1609	Amplifier Pentode (Low Microphonic Type)	1.1	7.50
1612	Pentagrid Amplifier (Low Microphonic Type)	6.3	2.60
1621	Power Amplifier Pentode	6.3	1.85
1622	Beam Power Amplifier	6.3	2.00
1629	Electron Ray Tube	12.6	1.20
9001	U.H.F. Midget Pentode (Sharp Cut-off)	6.3	2.70
9002	U.H.F. Midget Triode (for Osc., Det., or Amp.)	6.3	2.15
9003	U.H.F. Midget Pentode (Super Control)	6.3	2.70
9005	U.H.F. Midget Diode	6.3	3.00
9006	U.H.F. Midget Diode	6.3	1.40
OA2	Midget Voltage Reg., 150 volts		2.30
OA3/VR-75	Voltage Regulator, 75 volts		1.20
OB3/VR-90	Voltage Regulator, 90 volts		1.20
OC3/VR-105	Voltage Regulator, 105 volts		1.20
OD3/VR-150	Voltage Regulator, 150 volts		1.20

High Voltage Half-Wave Rectifiers

Type	Des.	Peak Volts	Net	Type	Des.	Peak Volts	Net
217C	Hi-Vac	7,500	\$20.00	969B	Merc.-Vap	20,000	\$120.00
816	Merc.-Vap	5,000	1.25	872A	Merc.-Vap	10,000	7.50
836	Hi-Vac	5,000	6.00	1616	Hi-Vac	5,500	7.50
866/866A	Merc.-Vap	10,000	1.75				

Industrial Power Tubes

RCA Type	Name or Description	Interchangeable With GE Type No.	Net Price
3C23	Thyratron	GL3C23	\$11.00
502A	Thyratron	GL502A	1.80
579B	Rectifier	WL579B	12.00
627	Thyratron	KU627	13.00
629	Thyratron	WL629	5.50
672	Thyratron	WL672	23.00
5550	Ignitron	GL415, WL681/686	38.00
5556	Triode	PJ8	7.00
5557	Thyratron	FG17, WT272, WE967	6.50
5558	Rectifier	FG32	11.00
5559	Thyratron	FG57, WL631	16.00
5560	Thyratron	FG95, WL632A	19.25
8020	Rectifier	GL8020	18.00

HYTRON Tubes

Tubes for Transmitting and Special Purposes

Type No.	Function	Fil. Volts	Plate Volts	Net
OA2	Voltage Regulator		150	\$2.30
OB2	Voltage Regulator		108	2.30
2E25	Class C Osc.-Amp.	6.0	450	3.95
2E30	Class C Osc.-Amp.	6.0	250	2.25
5514	Zero Bias 65 watt Gen. Purpose Power Triode			3.95
	New Type Replaces			
	HY30Z		HY51A	
	HY40		HY51B	
	HY40Z		HY51Z	
807	Class C Amplifier	6.3	750	2.30
816	Half-wave Rect.	2.5	1750	1.25
866A/866	Half-wave Rect.	2.5	3500	1.75
HY31Z	Class C Amp.	6.3	500	3.95
HY69	Cl. C Amp., Mod. Dblr.	6.3	600	3.95
HY75	Class C Amp.	6.3	450	3.95
HY114B	Class C Amp.	1.4	180	2.25
HY615	Class C Amp.	6.3	300	2.25
HY1231Z	Class C Amp.	12.6	500	4.50

Phototubes

Type	Description	Vlt.	Net	Type	Description	Vlt.	Net
868	Gas Type	90	\$2.15	924	Gas, End Type	90	\$2.25
917	Vacuum Type	500	3.00	925	Vacuum Type	250	1.85
918	Gas, Hi-Sens.	90	2.60	926	Vac. Cart. Rb. Type	500	2.50
919	Vacuum Type	500	3.00	927	Gas Type (Miniat.)	90	2.50
920	Twin, Gas	90	3.25	928	Gas, Non-Direct	90	2.75
921	Gas Cartridge	90	1.75	929	Hi-Vac. Caesium	250	1.75
922	Vacuum, Cart.	500	1.80	930	Gas, Hi-Sens.	250	1.50
923	Gas, Hi-Sens.	90	1.75	931A	Multi. Type	400	9.25

HEINTZ-KAUFMAN Gammatrons

Type No.	Watts Diss.	Plate Volts	Fil. Volts	Power Output V.	Max. Freq.	Net Price
24	25	2000	6.3	90	250MC	\$4.75
24G	25	2000	6.3	90	300MC	6.00
54	50	3000	5.0	250	200MC	8.00
254	100	4000	5.0	400	175MC	13.50
257B*	75	4000	5.0	300	150MC	24.50
354C	150	4000	5.0	600	50MC	24.50
354E	150	4000	5.0	600	50MC	24.50

* Beam Pentode

UNITED ELECTRICS COMPANY

Transmitting—Industrial
Electro-Medical Tubes
Famous for its "Isolated Getter Trap"



Type No.	Corresponding Type Number	Function	Net Price
UX-CV11		Triode	\$10.00
MV-12	814-T	Triode	18.50
KU-23	HF & T300	Triode	30.00
MV-27	822	Triode	18.50
V-70-D	T-55	Triode	6.90
311-CM	HD211-C	Triode	18.00
311-CT	211-C	Triode	16.00
468	WL-468	Triode	24.75
812-H	812	Triode	6.90
949H	849H	Triode	135.00
5562	TB-35 & 3D21	Beam Tetrode	10.00
866A		MV Half-wave Rect.	1.75
Z-225		MV Half-wave Rect.	1.95
872-A		MV Half-wave Rect.	7.50
975-A		MV Half-wave Rect.	27.50
967	575A	MV Thyratron	6.50
FG-17		MV Thyratron	17.25
973		MV Thyratron	27.50
975-T		MV Thyratron	27.50

We can supply all types of tubes for industrial requirements. Prices and technical data supplied on request.

Industrial and special purpose tubes

RAYTHEON Industrial and Special-Purpose Tubes

The following exhaustive list of special purpose tubes for engineering and special industrial applications has been compiled to cover the widest possible number of different applications. If there are any other tubes which you require, communicate with us for prices and specifications. In addition to the tubes listed below, we carry a complete line of Raytheon tubes.

Tube Type	Function or Construction	Plate Volts	Fil. Volts	Your Cost Each
BH	Full Wave Rectifier	1000		\$2.70
2C33/RX233A	Control Thyatron	1050	2.5	5.00
2C34/RK34	HF Oscillator, Amp.	300	6.3	3.50
RK3B24	Half-wave High Vac.	20,000	2.5/5.0	7.25
RK3B29	Half-wave High Vac.	16,000	2.5	13.30
RK4B31	Clipper Diode Hi-Vac.	16,000	5.0	19.55
RK4D22	Beam Tetrode	750	25.2/12.6	9.75
RK4D32	Beam Tetrode	750	6.3	9.75
5D23/RK65	RF Amplifier	3000	5.0	34.50
6AK5	UHF Amplifier	180	6.3	1.93
RK6D22	RF-AF Amplifier	3500	5.0	55.00
6N4	UHF Osc.-Amp.	180	6.3	1.00
RK20A	Suppressor-Mod.	1250	7.5	15.00
RK25	Suppressor-Mod.	500	6.3	3.95
RK28A	Suppressor-Mod.	2000	10.0	21.00
RK38	RF-AF Amplifier	3000	5.0	13.50
RK48A	RF Osc. Amplifier	2000	10.0	27.50
RK61	Radio Control	45	1.4	3.50
RK72	Half-wave High Vac.	20,000	2.5	7.20
RK73	Half-wave High Vac.	25,000	2.5	14.85
CK569AX	Amplifier-Pentode	67.5	1.25	2.60
CK606BX	UHF Rectifier	420	6.3	5.40
CK608CX	Oscillator-Amp.	120	6.3	7.00
CK619CX	Oscillator-Amp.	250	6.3	7.00
RK705A	Half-wave High Vac.	35,000	2.5/5.0	14.05
814/RK47	RF Oscillator Amp.	1250	10	14.70
RK86A/866	Half-wave Mercury Vapor	10,000	2.5	1.75
RK87A/872	Half-wave Mercury Vapor	10,000	5.0	7.50
1005/CK1005	Full-wave Gas Rectifier	450	6.3	3.80
1006/CK1006	Full-wave Gas Rectifier	1600	1.75	3.25
CK1007	Full-wave Gas Rectifier	980	1.0	1.90
CK1012	Full-wave Gas Rectifier	1200	1.75	3.25
1641/RK60	Full-wave High-Vacuum	4500	5.0	2.75
2050	Control Thyatron	650	6.3	1.75
5517/CK1013	Half-wave Gas Rectifier	2800		2.25

Hearing Aid Tubes

Tube Type	Function	Plate Volts	Fil. Volts	Your Cost Each
CK502AX	Output Pentode	45	1.25	3.20
CK503AX	Output Pentode	45	1.25	3.20
CK505AX	Voltage Amplifier	30	.625	3.20
CK506AX	Output Pentode	45	1.25	3.20
CK510AX	Voltage Amplifier	45	.625	5.35
CK515BX	Voltage Amplifier	45	.625	3.20

EIMAC Power Tubes

The Eimac power tubes are justly famous for their extraordinary reliability and efficiency. They are conservatively rated for long life and dependable performance. All of the component parts that go into the making of an Eimac power tube are carefully selected to exacting standards. Elements such as the filaments, the cathodes, the grids, the plates—are all manufactured of the highest quality material to provide trouble-free performance and long life to assure you of service at that critical moment—"just when you need them most." In addition to the few more popular types shown below, we carry a complete line of Eimac tubes. We can supply any type not shown. Write for prices and specifications, giving as much data on type of tube desired, ultimate use to which the tube is to be put, maximum and minimum voltage ratings if possible, and any other data that you feel will be of use in recommending a tube suitable for your purpose.

Tube Type	Plate Diss. Watts	Grid Diss. Watts	Your Cost Each
25T	25	7	\$6.00
3C24/24G	25	8	6.00
35T	50	15	7.00
35TG	50	15	8.00
100TH	100	20	15.00
250TH	250	40	27.50
4-125A	125	5	25.00
4-250A	250	5	36.00

GENERAL ELECTRIC Thyatrons

GE Type Number	Peak Volts	Peak Amps.	Average Amps.	Your Cost
GL-2051	700	0.375	0.075	\$1.70
GL-2050	1300	0.500	0.1	1.70
FG-178-A	500	0.500	0.125	17.00
FG-81-A	500	2.0	0.5	13.25
FG-98-A	500	2.0	0.5	18.00
FG-97	1000	2.0	0.5	16.75
FG-17	2500	2.0	0.5	6.50
FG-154	500	10.0	2.5	26.50
FG-27-A	1000	10.0	2.5	17.50
FG-33	1000	15.0	2.5	17.00
FG-57	1000	15.0	2.5	16.00
FG-67	1000	15.0	2.5	19.00
FG-95	1000	15.0	2.5	19.25
FG-105	1000	40.0	6.4	40.00
FG-172	1000	40.0	6.4	38.50
FG-41	10,000	75.0	12.5	150.00
GL-414	2000	100.0	12.5	90.00
GL-3C23	1000	6.0	1.0	11.00
GL-502A	1300	0.5	0.1	1.80
GL-884				1.70
GL-885				1.80

AMGLO Electronic Photoflash Lamp

The Amglo 48R4Z is interchangeable with many other styles of electronic photoflash lamps. It is an excellent basic lamp for the individual amateur or professional technician interested in designing and building photoflash or electronic timing units. It is a two-electrode type which does not require an auxiliary circuit to trigger a grid into initiating. Because of the open spiral construction and the substantial reserve of the precious ionizing gas, it is possible to control the flash by a simple series relay. This is normally open and has a low-resistance coil which will permit the low voltage from Flash Gun batteries to effect instant closing and consequent flash control. The high current during discharge can cause welding of inferior contact points and it is definitely better to use contacts which are particularly qualified. Those that can pass enormous currents without sticking and are composed of a special silver-oxide and cadmium alloy are especially adaptable. The following basic technical data relative to the 48R4Z should be sufficient to permit design decisions.



SPECIFICATIONS:

Energy Rating (Input)—50-150 watt seconds (200 w.a. maximum)
 Minimum Ionizing Voltage—1700 volts
 Maximum Permissible Voltage—3000 volts
 Recommended Voltage—2000-2500 (top efficiency range)
 Recommended Condenser Cap.—30-.75 mfd.
 Color Temperature—6500 degrees Kelvin
 For maximum life, it is important that no lamp be flashed at near its maximum energy more often than once every half-minute.
AMGLO Type 48R4Z Electronic Photoflash Lamp **\$14.70**
 Your Cost Each

GENERAL ELECTRIC UHF Tubes

Tube No.	Type	Your Cost
2C40	Lighthouse Triode	\$13.50
2C43	Lighthouse Triode	10.30
2C44	Lighthouse Triode	9.50

GENERAL ELECTRIC Pilotrons

High-vacuum tubes in which one or more electrodes are used to control the uni-directional current flow.

Tube No.	Max. Volts	Max. Amps.	Max. Watts	Your Cost
PJ-21	350		7.5	\$8.00
PJ-7	350	0.04	10.0	7.00
PJ-8	350	0.04	10.0	7.00
FP-54	6	0.006		55.00
FP-62	112.5	0.01		35.00
FP-285	1350	0.20	100	16.50
FP-265	1500	0.20	160	24.75
GL-807	600	0.10	25	2.30
GL-810	2000	0.25	125	12.50
GL-833A	3000	0.50	300	45.00
GL-851	2500	1.0	750	210.00
GL-880	10,500	3.6	20,000	440.00
GL-889A	8500	2.0	5000	190.00
GL-892	15,000	2.0	10,000	200.00
GL-8020	40,000	0.75		18.00
GL-8002	3500	1.0	1200	120.00
GL-891	12,000	2.0	6000	200.00
GL-207	15,000	2.0	10,000	220.00
GL-893A	20,000	4.0	20,000	570.00
GL-862A	20,000	10.0	100,000	950.00
GL-898A	20,000	10.0	100,000	950.00

GENERAL ELECTRIC Ignitrons

Gas-discharge tubes with a pool-type cathode in which an ignition electrode is used to control the starting of the unidirectional current flow in each operative cycle.

Tube No.	KVA Demand	Average Anode Current in Amps.	Your Cost
GL-415	300	12.1	\$38.00
FG-271	600	30.2	65.00
FG-235A	1200	75.6	95.00

Power Rectifier Types

Tube No.	DC Volts	Peak Amps.	Your Cost
GL-427	125/300	30	\$ 65.00
FG-238B	600	1800/1200	290.00
FG-259B	300/600	900/600	150.00

GENERAL ELECTRIC Vacuum Capacitors

Tube No.	Capacity Mmfd.	Breakdown Voltage	Your Cost
GL-1L32	6	7,500	\$10.00
GL-1L21	6	7,500	10.00
GL-1L36	25	7,500	10.00
GL-1L38	50	7,500	10.00
GL-1L33	100	7,500	12.00
GL-1L31	6	16,000	11.00
GL-1L25	12	16,000	11.00
GL-1L22	25	16,000	11.00
GL-1L23	50	16,000	11.00
GL-1L24	100	16,000	13.25

NEW TYPE GENERAL ELECTRIC TUBES

Tube No.	Type	Your Cost
GL-8D24	Triode, Air-Cooled	\$36.00
GL-892	Tetrode, Forced Air-Cooled	18.50
GL-2M21	FM Phasitron	70.00

We Can Supply Your Every Radio Requirement

transmitting keys and accessories

Signal Practice Key



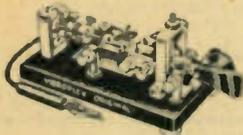
Model R-50
Cast base black ripple finish. Parts are heavily plated. Easily adjustable. Shpg. wt. 1 lb.
K14009 Your Cost \$1.12

SIGNAL Key With Switch



A telegraph key with a switch to close the contacts. Polished lacquered brass base. Shpg. wt. 1 lb.
K14017 Your Cost \$2.32
K14005 Less Switch \$2.15

"Original" Vibroplex



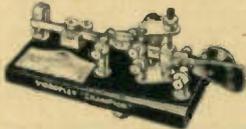
For all types of communications work where speed and perfect Morse are essential. Single lever. Two pairs of contact points; one for dots other for dashes. Easy to adjust. Has unlimited sending possibilities. Polished parts with blackbase. Supplied complete with cord and wedge. Shpg. wt. 5 lbs.
K14057 Your Cost \$15.95

SIGNAL Model R-68 Code Practice Set



Key and high frequency buzzer on a polished hardwood base. Hook battery to terminals (1 1/2 volt cell required, not supplied) and it is ready to operate. Metal code plate on base. Wt. 2 lbs.
K14001 Your Cost \$3.06
Type R-60 BUZZER ONLY: Fully adjustable. Has standard resistance of 2 ohms. Black crystal lacquer finish.
K14006 Your Cost \$1.06

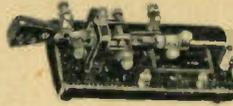
"Champion" Vibroplex



An inexpensive transmitter having exceptional sending qualities: clarity, speed and ease of operation. Single lever with two pairs of contact points (one for dots, one for dashes). Easy to adjust. Black crystal finish metal base. All parts above base in bright finish. With cord and wedge. Shpg. wt. 4 lbs.
K14058 Your Cost \$9.95

SPEED-X Keys

Model 515 Hi-Speed Key



Sturdy, heavy duty high speed key. Has two sets of 1/4" silver contacts. Metal parts heavily plated; base has black wrinkle finish. is 3x6 1/4 x 3 1/2". Shpg. wt. 4 lbs.
\$7.35
K14033 Each
Cord and plug for above.
K14054 Your Cost 88c

Model 321 Senior Key



Heavy duty hand key with 1/4" pure silver contacts. Navy type knob. Die cast heavily plated base and key arm. Adjustable steel bearings; concealed brass connector strip. Shpg. wt. 2 lbs.
K14039 Your Cost \$2.94

Model 300 Practice Key



Has two adjustments. Base of molded bakelite. 1/4" coin silver contacts. Wt. 1 lb.
K14041 Your Cost \$1.03
Mod. 305. As above, with metal base.
K14053 Your Cost \$1.12

Model 310 Manual Key



Heavy die-cast metal base finished in black wrinkle enamel. Smooth adjustable bearings. 1/4" pure silver contacts. Shpg. wt. 1 lb.
K14051 Your Cost \$1.91
Like above, but with switch.
K14052 Your Cost \$2.20

Model 301 Key



General purpose key with molded black bakelite base. Well insulated. Adjustable bearings. 1/4" silver contacts.
K14040 Your Cost \$1.76
As above, with switch
K14044 Your Cost \$2.06

Code Practice Set



Model 450 Comprises a constant frequency adjustable buzzer and a standard hand key with 1/4" silver contacts. Mounted on a brown bakelite base 6x4". Metal parts plated. Code card included. Uses 2-1 1/2 volt cells (not included).
K14027 Single Set \$2.65
Your Cost
K20622-1 1/2 V. cell. Ea. 6 1/2c

Carrying Case For Keys



Push-lined case finished in handsome black morocco. Reinforced corners. Flexible leather carrying handle. Has lock and key. Inside dimensions: 6 1/4" long, 3 1/4" wide, 4 1/4" high. Shpg. wt. 3 lbs.
K14059 Your Cost Each \$5.50

Bakelite Key Knobs



Brilliant black bakelite. Navy knob (illustrated) with disc.
K14037 Each 18c
Flat paddle (not illustrated) as used on most speed keys. **18c**
K14038 Your Cost

Constant Tone Buzzer



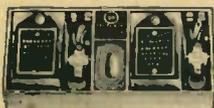
Resistance 2 ohms. Operates on 3 volts.
K14021 Each \$1.06
K20622-1 1/2 V. cells. 6 1/2c
K19867-"C" Batt. Each 52c

Code Lesson Records



Textbook and 5 double-faced 10" discs (in album) teach you to send and copy Continental (Intern'l) Code. Shpg. wt. 6 lbs.
K21895 Your Cost \$8.82

Two-Way Code Set



A switch permits radio code blinker telegraph signals. Bulbs, 50 ft. of double wire and instructions. Less cells. Wt. 5 lbs.
K14000 Your Cost \$4.03
One-Way Code Set
Less cells.
K14008 Your Cost \$1.91
Flashlight cells for above.
K20622 Each 6 1/2c



Special Key
Brass, silver contacts, switch. Binding posts. Bakelite base. Wt. 2 lbs.
K14014 Each 89c

GC Automatic Tape Senders

GC Automatic tape senders are an excellent aid to the beginner and to the established code man. Compact and easy to operate tape senders. All are for 110-volt, 60 cycle AC operation with the line cord and plug built into the unit. Both of these models have variable speed controls. They are equipped with 10 rolls of double perforated practice tape. All are equipped with binding post terminals. Both Model S and the Deluxe model are shipped postpaid anywhere in the U. S. A.



Model S: Variable from 4 to 60 words per minute. Dimensions: 5 1/2 x 4 1/2 x 6".
K14060 Your Cost \$20.00

Deluxe Model: The newest, most modern model. Housed in a case of matched grain walnut. The speed control is positive, will maintain constant speed at the operator's setting. A new and completely concealed retracting brush contact that is automatically protected against accidental damage. Dimensions: 9 x 6 1/2 x 6 1/2".
K14061 Your Cost Each \$30.00

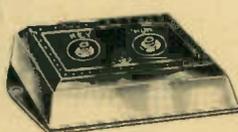
Code Practice Oscillators



The finest and the best in code practice oscillators. New adjustable volume control and pitch control. Provides a clear and pleasant tone that is loud enough to be readily heard above the ordinary room noises.

Will operate on 110 volts AC or DC. Up to 20 pairs of headphones may be used. Shpg. wt. 6 lbs.
K14010 Magnetic Speaker Model Type CPO-124. \$9.85
Your Cost Each
K14011 Dynamic Speaker Model Type CPO-120. \$9.58
Your Cost Each
K14012 Earphone Model, to operate 1 to 20 earphones or 1 to five small magnetic speakers Type CPO-122. \$8.48
Your Cost Each

ICA Station Terminal Box



A great convenience in class-room setups. Consists of Key and Phone Jacks mounted in a neat, compact container. Makes for quick and neat wiring. Housing has two holes drilled into mounting plate to facilitate mounting. 2 lbs.
K14064 Your Cost Each \$1.47

ICA Deluxe Signa-Tone



A perfected audio oscillator having three different output frequencies and continuously variable volume control. Audio notes are similar to those of high quality commercial CW stations. A number of phones and keys may be connected for intercommunication or for classroom or radio club instruction in code. Excellent for use as a keying monitor. An invaluable aid in improving any ham's "fist". Will follow the "bug" at all speeds. Indispensable for the well-equipped station. Steady note of the Signa-Tone is ideal for adjusting both the modulator and modulated stages of your transmitter for maximum modulation percentage of not over 100 percent. By feeding the output of your modulator and listening to the output, defects and "bugs" can easily be located. 7 1/2 x 4 1/2". Shpg. Weight 3 1/2 pounds.
K14067 Your Cost Each \$11.76



ICA Signa-Tone
Basically similar to the deluxe model listed above, but less speaker. Complete with tube. 110 v. AC or DC.
K14065 Your Cost Each \$8.82

crystals, holders, crystal instruments

STANDARD PIEZO Crystals

These units have been especially designed for operation in the six and two meter bands. It is a plated type of crystal which is mounted between spring contacts suspended on wire supports. These crystals are hermetically sealed into a small metal case with pins at .486 c.c. Two of these crystals may be plugged into a single octal socket. These crystals are just about the newest thing to be released specifically for the use of the amateur as the result of extensive wartime experiments and laboratory man hours. These new crystals are the ideal and long sought after crystal for mobile and point to point operation. Wherever and whenever a minimum number of stages is desired in the transmitter these are the crystals to use. Ideal for UHF crystal control transmitters or any other UHF equipment.

Stock No.	Meters	Megacycles	Your Cost Each
K13382	6	50.0 mc to 54.0 mc	\$6.95
K13383	2	48.0 mc to 49.3 mc	6.95



BLILEY

Type FM6-S 100kc.

Primarily for use as a frequency standard. Plated precision crystal is rigidly clamped between resonant pins providing exceptional electrical and mechanical stability. Frequency is adjustable to exactly 100kc. at 25°C when unit is used in recommended oscillator circuit. Separate tank coil, with proper characteristics for correct performance, supplied with each unit. Frequency stability $\pm .005\%$ at any temperature between 0°C and 50°C.

K13394—
Your Cost Each **\$18.75**



Type MC9-3105kc.

For use in private aircraft transmitters operating at 3105kc. The crystal is guaranteed to be within $\pm .02\%$ of 3105kc. at any temperature between 0°C and 50° and is factory tested for performance over this temperature range. Plug-in type holder is gasket sealed against moisture and humidity.

K13391—
Your Cost Each **\$5.50**



Type SMC 100 100- 1000kc.

Suggested for signal generators used in alignment of radio receivers. Dual frequency crystal provides either 100kc. or 1000 kc. frequency source. When used in recommended oscillator circuit 1000kc. frequency is within $\pm .05\%$ at 25°C and 100kc. frequency can be adjusted to zero beat at 25°C.

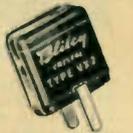
K13523— Each **\$8.75**



Type VX-2 3105kc.

For applications where space is at a premium. Recommended for private aircraft communications at 3105kc. Guaranteed to maintain frequency within $\pm .02\%$ at any temperature between 0°C and 50°C. Solder lug connections permit mounting under chassis and assembly is gasket sealed against moisture humidity.

K13395— Each **\$5.00**



Type CF-6 455kc.

Single signal filter crystal unit. Exceptionally low holder capacity permits sharp signal discrimination in filter network of general communications receivers. Frequency 455kc free from spurious responses within $\pm 7kc.$

K13409—
Your Cost Each **\$4.50**



Type CF-3 455kc.

Signal single filter crystal unit. Frequency 455kc. $\pm 5kc.$ —free from spurious responses within $\pm 7kc.$ of fundamental. Designed for intermediate frequency filter in general communications receivers.

K13410—
Your Cost Each **\$5.00**



Type AX-2 Plated Crystals

Primary electrodes in this unit consist of a micro-thin metal film which is placed on quartz by evaporation. Film exhibits high adhesion. Secondary electrodes under spring pressure clamp crystal in position, minimum thermal distortion. Acid etching to freq. prevents aging, calibration accurate to $\pm .002\%$ at 25°C in factory oscillator. Solid, stainless steel pins, activity level tested between -10°C and +60°C. Temp. stability better than $\pm .02\%$. Neoprene gasket seal.

K13411—Type AX-2, 80-Meter band.

Your Cost Each **\$2.80**

K13412—Type AX-2, 40-Meter band.

Your Cost Each **\$2.80**

K13416—Type AX-2, 20-Meter band.

Your Cost Each **\$3.95**



STANDARD Non-plated Piezos

This small precision unit is the famous United States Army FT-243 type crystal used in hand-talkie, walkie-talkie, and other portable ground forces communication equipment. This unit is designed to withstand extreme temperature, moisture and shock conditions. The holder is of molded phenolic. These crystals will also eliminate most stages in the transmitter as all frequencies are output frequencies obtained from the crystal oscillator.

Stock No.	For operation in	Crystal frequency in kc	Your Cost
K13418	6 Meters	25,000 kc to 27,000 kc	\$5.00
K13421	2 Meters	24,000 kc to 24,666 kc	5.00
K13422	10 Meters	28,000 kc to 29,700 kc	5.00
K13423	11 Meters	27,185 kc to 27,455 kc	5.00



MONITOR Precision Secondary Standard

A precision secondary standard for measuring frequencies from 10 kc to 100 kc. The Monitor FS-101 frequency standard employs a 100 kc shock-proof gold-silver plated crystal, coupled through a switching arrangement to either a 100 kc, a 50 kc or 10 kc multivibrator, followed by a mixer stage which includes a Pierce oscillator circuit for the external reference spotting crystal. This unit is unique in that it emits very strong signals as high as 100 megacycles and readable signals to at least 140 megacycles. The Monitor is the frequency standard for use where utmost accuracy is a must. Precision standard frequencies from 10,000 cycles to 100 million cycles are available when desired with new circuit which modulates a high freq. spotting crystal with the 100 kc signal. Very simple to operate with a minimum of adjustment. There are no resonant circuits to adjust. The frequency shift is less than .0002% for each degree Centigrade of temperature change. Compact. Shipping weight 5 lbs.

K21475—Your Cost

\$75.00



BLILEY Crystal Controlled Oscillator

Here is the only test instrument available to radio service technicians that provides direct crystal control for IF alignment. Features of the BLILEY CCO: Direct Crystal Control—accuracy and stability maintained by low temperature coefficient crystals. All frequencies stay within $\pm 0.1\%$. Instant selection of 5 most used intermediate frequencies, 175kc, 262kc, 370kc, 455kc, 465kc. At 200kc for alignment of RF stages, check points every 200kc. Three Position Modulation Selector—Internal Modulation, pure RF output, External Modulation. Output Control—five step attenuator provides vernier control from 0-15 v. Power consumption of the oscillator is 17 watts at 110 volts AC or DC. No warm-up period is necessary, since the crystals are on frequency as soon as the oscillator is energized. An external crystal socket provides for the possible future use of the oscillator in aligning FM receivers.

K21474—Bliley Crystal Controlled Oscillator.

Your Cost Each

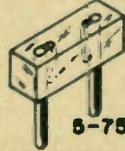
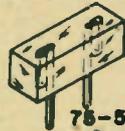
\$69.50



MOSLEY Crystal Holder Adapters

The ideal crystal holder adapter is now available for the "ham." Made of material having a very high dielectric strength and a very low loss. The Mosley crystal holder adapters, 75-5 and 5-75, take up very little space inside the transmitter. Any $\frac{1}{2}$ " crystal will fit into the 5-75 adapter which, in turn, with its $\frac{1}{4}$ " prong spacing, will fit into any 6 prong socket, 5 prong socket, or any crystal holder with $\frac{1}{2}$ " spacing. Any $\frac{1}{4}$ " crystal will fit into the 75-5 adapter which, with its $\frac{1}{2}$ " spacing, will fit into an octal socket or any crystal holder with $\frac{1}{2}$ " spacing.

Stock No. No.	Use	Your Cost Each
K13386	5-75 Any $\frac{1}{2}$ " crystal to any $\frac{3}{4}$ " spacing	35c
K13390	75-5 Any $\frac{3}{4}$ " crystal to any $\frac{1}{2}$ " spacing	35c



NOTE: We can supply quartz specialties of all types. Large "X" cut blanks up to two inches in diameter or two inches square or cut to your own specifications for supersonic work. Quartz lenses are also available on special order, etc. Also special quartz mounted crystals guaranteed to .005% of marked frequency. Write giving complete specifications and we will gladly quote current prices.

P-R Crystals for Amateur Service

Type Z-2 for 80 and 40 meter bands: Fundamental oscillators with low temperature coefficient cut. Available at all frequencies within the 80 and 40 meter bands and for bands doubling and quadrupling into the higher frequency amateur bands. Type Z-3 for 20 meter bands: A third harmonic oscillator with high activity comparable to fundamental oscillators at lower frequencies. Precision designed for high-power output, stability, and high activity suitable for keying in the oscillator stage with most circuits.

Type Z-5 for 10 meter bands: Ideal for portable operation. Harmonic oscillator, comparable in stability, activity and output with fundamental oscillators. Non-critical. Operates "straight-through" on 10-meter frequencies. Available for all frequencies within the 10-meter band and for harmonic operation in higher frequency bands.

Features: Unconditionally Guaranteed. The frequency versus temperature change is less than 2 cycles per megacycle per degree centigrade. Gasket is sealed against contamination, moisture and heat. Calibration is accurate to within .01%. X-Ray orientation insures stability and activity. Mounting space $\frac{1}{2} \times \frac{1}{2}$ ". Pin spacing is $\frac{1}{2}$ " for octal tube socket.

K13371—Type Z-2, 80 and 40 Meter Band.

Your Cost Each **\$2.65**

K13372—Type Z-3, 20 Meter Band.

Your Cost Each **\$3.50**

K13374—Type Z-5, 10 Meter Band.

Your Cost Each **\$5.00**



ADVANCE relays

ADVANCE Transmitter Relay

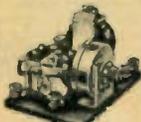


TYPE 400

This new ADVANCE relay is ideal for transmitting purposes where high radio frequency is being handled. The entire assembly, coil, shell and contact terminals are mounted on a 1/8" Ceramic Steatite base. The four stationary contact terminals are .032" hard copper. The moving contact arms, .020" spring phosphor bronze, are securely attached to the Ceramic Steatite cross arm. The contact combination is double pole-double throw, using 1/4" pure silver points rated at 10 amperes on 110-volt AC non-inductive loads. Constructed to provide the same quiet, dependable operation on alternating current free from all hum and chattering that is normally expected only on DC relays. Assembly methods and skillful adjustments eliminate any necessity for changing the tension on either the armature spring or moving contact leaves, both of which are set to provide perfect balance and complete wiping of the stationary contacts. Coils wound for 110 volts AC. However they are obtainable for other voltages, either AC or DC on special order. Metallic parts are cadmium or nickel plated, preventing corrosion and enhancing their appearance.

K14100—Your Cost Each \$5.94

ADVANCE Overload Relays



TYPE 700-750

This relay is capable of essentially the same functions as the one described immediately below, except that the unit is reset to the normal operating position by means of a manually operated lever. It is an excellent safety device. When current passing through the coil reaches a pre-determined value within the prescribed range, the armature of the relay is pulled in which opens the contacts. The contacts are thus locked open mechanically until reset by the bakelite-tipped lever. Supplied in either one of two groups: Type A, which allows the relay to close on any current setting between 250 and 500 mills, and type B for any setting between 500 and 1000 mills.

K14101—Type A—Your Cost Each \$6.09
K14102—Type B—Your Cost Each \$6.09

Same specifications as above but with electrical reset instead of mechanical.

K14103—Type A—Your Cost Each \$7.92
K14104—Type B—Your Cost Each \$7.92

ADVANCE Underload Relay



TYPE 800

This relay is designed for use in tube circuits and when used in transmitters as a protective device for class B modulator transformer, it operates in this manner: Should an underload occur, due to loss excitation in the class C tubes, amount of current in coil circuit would be insufficient to hold armature in closed position, thus opening contacts and breaking the modulator circuit from rectifier. Available in two types: 800A with an adjustable potentiometer which allows relay to close at any desired point between 150 and 300 ma. type 800B, to close between 300 and 500 ma. In both types a 20% underload will cause armature to drop out and break the circuit. Mounted on a 1/8" bakelite base.

K14130—Type A—Your Cost Each \$6.09
K14132—Type B—Your Cost Each \$6.09

ADVANCE Heavy-Duty Relays



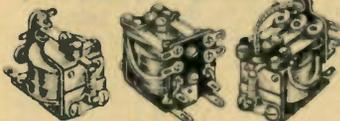
TYPE 94-95

Exceptionally sturdy power transfer relays. The 20 ampere relay has one set of 3/8" diameter pure silver contacts and is rated at 20 amperes on 110-volt AC non-inductive loads. The 30-ampere relay is similar in design, two sets of 3/8" diameter pure silver contacts banded together at the front by the armature contacts. Both relays are mounted on a 3/8" black bakelite base, with binding posts. Ideal for high current applications—6VDC coil.

K14133—20-ampere Relay. Your Cost \$3.96
K14134—30-ampere Relay. Your Cost \$4.62

ADVANCE Midget Relays

SERIES K1500 AND K1600

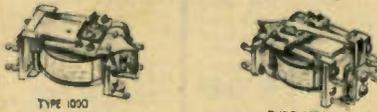


A new and improved midget relay. The armature hinge of Beryllium copper assures positive action in any position, reduces friction to an absolute minimum, and positively removes all possibility of misalignment. All parts cadmium and nickel plated. Pure silver points, rated at 200 watts on non-inductive AC loads. Highly efficient coils also available for operation from 2 to 32 volts DC, 1.5 to 115 volts AC.

Stock No.	Type	Coil	Your
	AC DC	Volts	Cost
K14135	1501-S	SPST-NO	115, 60eye. \$1.80
K14136	1601-S	SPST-NO	12 1.80
K14137	1601-S	SPST-NO	6 1.80
K14138	1502-S	SPST-NC	115, 60eye. 1.90
K14144	1602-S	SPST-NC	12 1.80
K14145	1602-S	SPST-NC	6 1.80
K14146	1503-S	SPDT	115, 60eye. 1.95
K14147	1603-S	SPDT	12 1.95
K14149	1603-S	SPDT	6 1.95
K14150	1501	SPST-NO-DM	115, 60eye. 1.95
K14151	1601	SPST-NO-DM	12 1.95
K14152	1601	SPST-NO-DM	6 1.95
K14153	1502	SPST-NC-DB	115, 60eye. 1.95
K14158	1602	SPST-NC-DB	12 1.95
K14166	1602	SPST-NC-DB	6 1.95
K14172	1503	SPDT-DM-DB	115, 60eye. 2.10
K14173	1603	SPDT-DM-DB	12 2.10
K14180	1603	SPDT-DM-DB	6 2.10
K14182	1504	DPDT	115, 60eye. 2.10
K14183	1604	DPDT	12 2.10
K14186	1604	DPDT	6 2.10

NO—normally open. NC—normally closed. DB—double break. DM—double make.

ADVANCE Midget-Type Ceramic Insulated Relays



TYPE 1000

TYPE 2000

Sturdy, compact, ceramic-insulated relays, especially designed for aircraft, marine, mobile and portable radio communication equipment. They are ideal for installations in the smaller, compact communications sets. To safely handle RF power, high dielectric "Ceramic Steatite" insulation is used throughout. With 1/4" pure silver contacts. Each

K14188—Type 1000 DPDT, 115 V. AC. \$4.95
K14191—Type 2000 DPDT, 6 V. DC. \$4.95

ADVANCE Ultra-Sensitive D. C. Relay



TYPE 1200

The Advance type 1200 offers the last word in modern design—combining sensitivity, durability, compactness, and fine appearance. A transparent molded plastic cover prevents accidental operation, short circuits or

dust and dirt on contacts, yet allows instant visual inspection. The molded black bakelite base provides mechanical sturdiness, high dielectric strength and insulation. A counter-balanced armature makes operation possible in any position. Embodies high overall sensitivity—5 milliwatts for positive operation—2 1/2 milliwatts with careful adjustment and light contact load... small make and break differential—25% to 15% less current to make than to break. A vernier screw is used for coil spring tension adjustment. Solder lugs and screws, recessed on bottom of base, are easily accessible through panel or through knockouts on side of base. (Palladium, platinum, or other specified materials at extra cost.) Contacts: single pole, double throw—screw driver adjustment. Contact rating: 1 ampere at 110 volts AC non-inductive load. Weight 6 1/4 ounces.

Stock No.	Coil Resistance	Shpg. Weight	Your Cost
K14192	2200 ohms	7 1/4 ounces	\$4.95
K14193	3500 ohms	7 1/4 ounces	5.10
K14194	5500 ohms	7 1/4 ounces	5.25

POTTER-BRUMFIELD Relays

Type "PR"



Designed for motor starting up to 1 HP, heater load to 20 amperes, or any control circuit requiring fast positive switching. Full floating contact carrier positively locked in place. Coil operates on only 4 volt-amperes or approximately 3 watts. Will not heat in continuous duty. 1/4" silver contact points rated in double break type at 20 amperes non-inductive load at 110 V. AC or 10 amps. 110 V. DC, or 1 HP 110 or 220 V. single phase motor. Single break types carry non-inductive loads of 15 amps. 110 V. AC, 8 amps. 110 V. DC or 220 V. AC. Size: 2 3/4" long, 2 3/4" wide, 2" high. 2 lbs.

Coil operates on only 4 volt-amperes or approximately 3 watts. Will not heat in continuous duty. 1/4" silver contact points rated in double break type at 20 amperes non-inductive load at 110 V. AC or 10 amps. 110 V. DC, or 1 HP 110 or 220 V. single phase motor. Single break types carry non-inductive loads of 15 amps. 110 V. AC, 8 amps. 110 V. DC or 220 V. AC. Size: 2 3/4" long, 2 3/4" wide, 2" high. 2 lbs.

No.	Type	Contacts	Coil Volts	Each
K14254	PR3A	SPST-DB-NO	6V/60c AC	\$2.80
K14255	PR3A	SPST-DB-NO	110/60c AC	2.80
K14256	PR4A	SPST-DB-NC	6V/60c AC	2.90
K14257	PR4A	SPST-DB-NC	110/60c AC	2.90
K14258	PR5A	SPDT	6V/60c AC	3.10
K14259	PR5A	SPDT	110/60c AC	3.10
K14263	PR7A	DPST-NO	6V/60c AC	3.60
K14264	PR7A	DPST-NO	110/60c AC	3.60
K14265	PR3D	SPST-DB-NO	6V/DC	2.80
K14266	PR3D	SPST-DB-NO	24V/DC	2.80
K14267	PR4D	SPST-DB-NC	6V/DC	2.90
K14268	PR4D	SPST-DB-NC	24V/DC	2.90
K14269	PR5D	SPDT	6V/DC	3.10
K14270	PR5D	SPDT	24V/DC	3.10

* NO—normally open. † NC—normally closed.



"MR" Series

A more compact relay for lighter loads than the one listed above. Will handle 8 amps. AC or 4 amps. DC non-inductive loads. Adjustable spring. No current carried thru spring. Size: 2 1/4" long, 1 3/4" wide, 1 1/2" high. AC coils require approx. 2 watts; DC approx. 1 1/2 watts.

Size: 2 1/4" long, 1 3/4" wide, 1 1/2" high. AC coils require approx. 2 watts; DC approx. 1 1/2 watts.

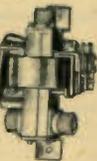
No.	Type	Contacts	Coil Volts	Each
K14271	MR5A	SPDT	6V/60c AC	\$1.86
K14272	MR5A	SPDT	110V/60c	1.86
K14273	MR11A	DPDT	6V/60c AC	2.66
K14274	MR11A	DPDT	110V/60c	2.66
K14275	MR5D	SPDT	6V/DC	1.86
K14276	MR5D	SPDT	24V/DC	1.86
K14277	MR11D	DPDT	6V/DC	2.66
K14278	MR11D	DPDT	24V/DC	2.66

Plate Circuit Type: similar to above but only 1 1/2" high. Handle 6 amps. 110V AC.
K14279 LS5 SPDT 2500-ohm coil \$1.68
K14281 LS5 SPDT 5000-ohm coil 1.99

"FR" Series

Designed specifically for the control of speed-flash photography equipment. Similar in appearance to the above.

Stock No.	Type	Contacts	Volts	Each
K14230	FR1A	SPST-NO	110, AC	\$2.78
K14240	FR3A	SPST-NO-DB	110, AC	3.21
K14241	FR5A	SPDT	110, AC	2.85
K14247	FR1A	DPDT	110, AC	4.01
K14248	FR1A	SPST-NO	6 v. DC	2.78
K14249	FR3A	SPST-NO-DB	6 v. DC	3.21
K14250	FR5A	SPDT	6 v. DC	2.95
K14251	FR11A	DPDT	6 v. DC	4.01



PRICE Coax Relay

The #6350 relay is a coaxial unit designed to transfer a 50-ohm antenna transmission line from receiver to transmitter without mismatch. Takes three PL-259 cable plugs. Switches 750 watts of RF power. For 115 V. 60 cycles AC. 6351 has two auxiliary sets of SPST contacts for ECO and receiver switching rated at 300 volts DC and 250 milliamperes.

K14232—#6350. Wt. 1 1/4 lbs. \$7.50
Your Cost Each

K14233—#6351. Wt. 1 1/4 lbs. \$8.50
Your Cost Each

The PL-259 plugs to fit the coaxial sockets on both Price relays are available separately, take the standard RG-58/U coax cable.

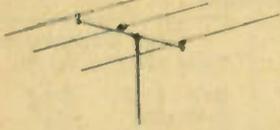
K14187—PL-259 coax plugs with \$1.05
standard fitting. **Your Cost Ea.**

In addition to relays listed on this page, any other standard or special relay or coil can be furnished by us on order.

beam antennas and equipment

WORKSHOP ASSOCIATES Antennas and Antenna Equipment

10 Meter 3-Element Beam Antenna



Efficient performance makes instant appeal to the amateur who wants the best equipment. Elements of adjustable aluminum alloy sleeves. One 4 ft. section of mast supplied. Element spacing adjustable so combination of variable length-depth makes sharp tuning simple. All parts of assembly designed for strength and durability to withstand winds. Structure rigidity provides smooth rotation to desired azimuth. 50 ohm coax transmission line is recommended for use with unit.

K17129—Model 29 **\$39.50**

Your Cost
6 Meter Beam Antenna—A high-gain directional, 3-elements. Similar to above.
K17110—Model 52AB **\$9.00**
Your Cost

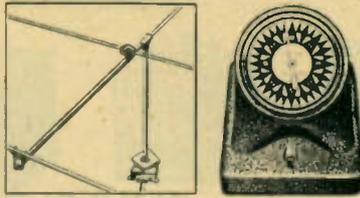
WORKSHOP Mast Antenna Kits

Model #AM—2 sections of 4' mast with brackets and hardware, stationary mast.
K17112—Model #AM **Your Cost** \$8.25

Model #AM1—Extra 4' sections for #AM
K17114—Your Cost per 4' section \$1.30

Model #AM2—Accessory kit. Converts #AM to manually rotated mast.
K17115—Model #AM2 **Your Cost** \$5.00

The WORKSHOP Rotator



This rotator built to rotate more than one antenna—10, 20 combination and UHF antennas. Eliminates costly, troublesome rotating joints and coupling devices. Allows the use of low loss coaxial line unbroken from transmitter to antenna cutting impedance matching problems through relays, coupling devices, rotating joints, etc. Automatically stops at North, breaking or twisting of coax lines impossible.

Specifications: 360° rotation at 1 RPM. 3-way switch provides rotation in either direction. Rugged ball thrust bearing. Minimum of back lash and wear for maximum accuracy. Quiet operation. Powerful geared motor—110 V. AC. Indicator housed in aluminum casting, enameled black enamel. Rotator sealed in aluminum, 9x9x6". Shpg. wt. 30 lbs.

K17122—Your Cost **\$157.50**

New WORKSHOP 2 meter Beam Antenna

This antenna is a highly efficient 6-element array with two driven elements. The two bays employed use the well-established reflector and director principle which concentrates the beam in the desired direction. Half wave spacing between the bays, which are fed in phase, eliminates nearly all side pattern. Matched to give maximum efficiency when coupled with 50 ohm coaxial line. Elements made of 1/4" aluminum tubing sealed with spherical tips on ends and rigidly supported in two heavy duty molded plastic heads. Comes with one 4 ft. mast section. Built in rugged style to withstand high winds and ice. Standard pipe fittings have been used where possible so whole structure can be adapted to a rotating mast. All hardware supplied.

As A Receiving Antenna: Eliminates QEM. Strong R9 local signals tuned out. Selectivity eased by rotating beam.

As A Transmitting Antenna: Sharp directivity enables you to be heard over a greater distance. It is the least expensive way to increase your effective power output in a given direction.

K17108—Model #146AB (2 meter) **Your Cost** **\$215.00**

AMPHENOL Signal Squirrel Rotary Beam Antenna

A rotary beam antenna with the following exclusive features: rotation in either direction; two-band operation; hi-efficiency feed; positive electric brake; and non-resonant feed line. Sturdy, durable and accurately designed and built. Kits complete including rotator with mounted assembly, indicator, elements, insulators and all hardware. Elements are of two-piece adjustable reeded steel tubing. All holes are drilled. The kit complete except for tower, motor control wires (5 needed) and open wire feed line. Rotator is for 110 V. 50/60 cycles AC.

Write for PRICE and literature. Component parts for this unit will be available also.

WILCOX Rotating Bearing

This Rotating Bearing is not a makeshift item but is manufactured by Wilcox for amateur gear, built to exacting standards. The bearing is easily adapted to rope drive by a large diameter pulley mounted on the 3/4" steel drive shaft four inches long. It is readily adapted to a gear drive such as those now being offered on the market. Ratio of Wilcox bearing is just 1:1. The bearing is light weight but sturdy enough to support 200 lbs. in the highest wind. This ruggedness is due in the main to the aluminum castings used in its manufacture. It is weather resistant in its entirety and requires no lubrication. It is mounted to your tower and/or any beam by four 1/2" bolts. Ease of turning is, for manual operation, amazing, and if motor driven requires but 1/4 H.P. into suitable gear reduction for the heaviest of antenna arrays.

K17138—Shipping wt. 8 lbs. 8" diam. x 3 1/2" high **Your Cost** **\$15.95**

S C LABORATORIES Rotary Beam Kit

This new three element parasitic beam presents a distinct high-gain directive antenna designed for 2, 6 and 10 meter amateur bands. It is adjustable in every respect and sound in mechanical design. Electrically and mechanically engineered to give the best in efficiency. Constructed of the finest grade aluminum, the supporting frame consists of aluminum castings and tubing. The antenna elements are telescopic. Adjustment can be made without removal of any parts. All types of rotary mechanisms are easily attached. The kit includes all elements, supporting members, support castings, mast, spacers, insulators, insulating block, clamps, necessary hardware, less transmission line. The entire kit weighs 18 lbs. and can be assembled by one man from given instructions. May be used with coax or open wire lines.

K17133—Type 702A 28.1 mc to 29.7 mc (10 meter band) **\$44.95**
K17134—Type 702B 50 mc to 54 mc (6 meter band) **29.95**
K17137—Type 702C 144 mc to 148 mc (2 meter band) **24.50**

NOTE: When additional transmitting antennae, beam antennae, rotators, antenna equipment and parts become available for distribution we will be happy to quote you current prices on request and to supply you with descriptive literature.

New ROTO-BEAM Antenna Rotator

Point to point communication is what you want and that's what you get through the use of the ROTOBEAM rotator and Synchro Antenna-Cator. Message traffic voice or code is directed or beamed over a narrow arc which tends for secrecy, minimizes QRM, and in addition increases signal strength 6-9 DB (power gain of 5-8) in the desired direction, without increasing the power of the transmitting source. Equally effective on either transmission or reception.

Engineering Details: Direct connections to the antenna, which permit impedance matching to a transmission line through the use of a transformer network, or a quarter wave line. Collector rings with 300° contact, self-cleaning copper floating brush assembly noiseless on reception and will safely carry up to 20 amperes RF. Low PF hi-freq. Alsimag 196 insulation. Continuous rotation through the use of a 3 wire reversible, variable speed, high torque, 110 V. 60 cycle ball bearing motor 1 1/2 RPM. Sealed air dielectric coaxial tube between antenna terminals and rings. Rain shield. Oilite bearings never require oil, weather sealed housing. Critical parts are made of stainless steel, brass, copper. All connections made through the bottom. Comes wired. 16 1/2" high, 14" wide, and 18" long. Shipping Wt. is 17 lbs.

Synchro Antenna-Cator: Dial is 7 1/4" and accuracy of compass guaranteed within 1 1/2°. Two switch control "on-off"—and power motor control for counter clockwise, standby, and clockwise rotation. 45° sloping panel 9x10". Gray crackle finished metal cabinet sized 11x10 1/2x10" deep. For protection a 5 ampere fuse is mounted on back of cabinet. Complete with connectors for rotator and supply voltage.

K17130—Roto-Beam Rotator and Antenna-Cator **Your Cost** **\$225.00**

ABBOTT Beam Antenna

This Abbott Type BM-2 2 Meter beam antenna is for use in 144-148 Mc. operation. This unit is particularly recommended for use with any 2-meter rig no matter whether it be crystal controlled or self-excited oscillator. It will improve operating range most certainly. The Abbott BM-2 Beam antenna is constructed of hard aluminum alloy tubing and is very strong. The center boom is one inch square by 75 inches long, the elements are one-half inch round heavy gauge hard aluminum alloy. This mount and antenna are very ruggedly constructed but weigh only three pounds. It is one of the best looking beams you have ever seen. BM-2 utilizes a T-match stub of very rugged construction. Clamps can be set at a half inch from the end of each stub tube. If desired the clamps on "T" match can be varied slightly for best results. Designed for 300 ohm twin lead transmission line.

K17131—ABBOTT BM-2 Beam Antenna **Your Cost** **\$12.90**

UTC transmitting transformers

The Special Series Audio Transformers Designed by the United Transformer Company

UTC Special Series transformers are specifically designed for amateur and popular-priced PA service. Finished in a rich, commercial type gray crinkle enamel. A recessed terminal strip is provided, permitting above chassis or breadboard wiring in addition to standard

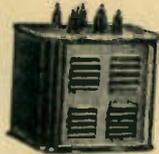
chassis type wiring. Universal windings provided on driver, matching and output transformers. Large components housed in ventilated cases. The more expensive Varimatch transformers are listed here also for your convenience.

Case Dimensions

Type	Height	Width	Depth
G-1	1 7/8"	2"	1 3/4"
G-2	2 3/16"	2 3/8"	1 13/16"
G-3	2 1/2"	2 3/4"	2 1/8"
G-4	2 15/16"	3 1/8"	2 5/16"
G-5	3 3/8"	3 1/8"	4 9/16"
G-6	4 5/8"	3 3/4"	5 1/2"



G1 TO G4



G5 TO G11



Case Dimensions

Type	Height	Width	Depth
G-7	5 3/8"	4 9/16"	5 9/16"
G-8	5 3/8"	5 1/2"	5 1/2"
G-9	6 1/8"	5 5/16"	6 13/16"
G-10	6 1/8"	6 3/16"	6 11/16"
G-11	7 1/8"	6 9/16"	7 3/8"
G-12	7 3/8"	9"	5 1/2"
G-13	11"	11"	9"

Class A Input Transformers

No.	Type	Application	Ratio	Case	Wt.	Each
K5802	S-2	1 plate* to 2 grids	2:1	G-2	2 lbs.	\$3.72
K5804	S-4	1 plate* to 2 grids, wide range response	1:1	G-3	3	5.10
K5805	S-5	Single or double button mike or line to 1 grid, hum bucking type	16:1	G-2	2	4.16
K5806	S-6	Single or double button mike or line to 1 grid, compact type	16:1	G-1	2	3.04

* Will match tubes like 6C5, 56, 6C6 triode, 77 triode, etc. Can be used with high mu triodes with loss in low frequencies.

Univ. Output To Line and Voice Coil

All secondaries designed to match 2, 8 and 15 ohm voice coils and 500 ohm line. Average shpg. wt., each 6 lbs.

No.	Type	Primary Ohms	Watts	Case	Each
K5814	S-14	2500, 4000, 7000	10	G-2	\$4.41
K5815	S-15	4000, 5000, 10,000	12	G-2	4.61
K5816	S-16	3000, 6000-6600, 10,000	30	G-4	6.08

Matching Transformer

Shipping weight 4 lbs.

Stock No.	Type No.	Application	Pri. Ohms	Sec. Ohms	Case	Your Cost
K5811	S-11	Single 56, 6C6 triode, 6C5 or similar tube to line	10,000	200, 500	G-2	\$4.16

Universal Driver Transformer

No.	Type	Application	Case	Lbs.	Each
K5809	S-9	P.P. Driver plates to grids of Class B tubes up to 400 watts output	G-3	4	\$5.10

VARIMATCH Modulation Transformers

The Varimatch modulation transformers will match any modulator tube to any RF load. The Varimatch transformer can never become obsolete. All units will carry class C current.

Stock No.	Type No.	Max. Audio Watts	Max. Class C Input	Typical Modulator Tubes	Case No.	Your Cost Each
K5400	VM-0	12	25	30, 49, 79, 6A6, 53, 2A3, 6B5	G-3	\$5.00
K5360	VM-1	30	60	6V6, 6B5, 2A3, 42, 46, 6L6	G-5	8.23
K5361	VM-2	60	125	801, 6L6, 809, 4-46, T-20	G-6	12.05
K5362	VM-3	125		800, 807, 845, TZ-20, RK-30	G-9	17.64
K5363	VM-4	300	600	50-T, 203A, 805, 838, T-55	G-12	29.40
K5364	VM-5	600	1200	805, HF-300, 204A, 250TH	G-13	67.62

VARIMATCH Driver Transformers

Stock No.	Type No.	Primary	Typical Output Tubes	Case No.	Your Cost
K5351	PA51AX	All single tubes like: 6C5, 30, 49, 53, 79, 89, 6A6, 45, 46, 2A3	19, 30, 49, 79, 89, 2A3, 45, 46, 6L6, 42, 59	G-3	\$6.17
K5353	PA53AX	PP tube like: 45, 59, 2A3, 6B5, 6L6	46, 4-46, 841, 210, 801, RK-18, 800, 203A, 838, 805, 50T, 830B	G-5	7.35
K5359	PA59AX	50, 200, 500-ohm line	805, 838, 203A, ZB120, 100TH, 800, 55T, RK-18	G-5	7.35
K5355	PA238AX	4-2A3, 4-45, 4-50, 2-211A, 2-845	4-805's, 4-838's, 4-203A's, 2-204's, 2-849's, 2-HF300's, 2-HF200's, 2-250TH's, 2-450TH's	G-6	18.82
K5356	PA512	50, 200, 500-ohm line	2-250TH's, 2-450TH's, 2-HF200's, 2-HF300's, 2-204A's, 2-849's	G-6	17.64

Universal Output Transformers

Designed to match any modulator tubes to any RF load. Secondary will carry DC.

No.	Type	Watts	Case	Lbs.	Each
K5818	S-18	12	G-3	3	\$4.90
K5819	S-19	30	G-4	4	7.35
K5820	S-20	55	G-5	5	10.78
K5821	S-21	110	G-7	11	15.19
K5822	S-22	250	G-9	18	23.52

Filter, Swinging and Audio Chokes

No.	Type	Service	Hy.	Ma.	Ohms	Case	Each
K5823	*S-23	Audio	500	5	6000	G-2	\$3.33
K5827	*S-27	Filter	30	75	350	G-4	3.72
K5828	*S-28	Filter	20	100	350	G-4	3.72
K5829	*S-29	Filter	10	175	95	G-4	3.72
K5830	*S-30	Swing.	5/25	175	95	G-4	3.72
K5831	†S-31	Filter	20	225	120	G-5	4.90
K5832	†S-32	Swing.	5/25	225	120	G-5	4.90
K5833	†S-33	Filter	20	300	90	G-7	6.86
K5834	†S-34	Swing.	5/25	300	90	G-7	6.86
K5837	†S-37	Filter	20	550	60	G-9	13.72

* Shpg. wt. 4 lbs. † Shpg. wt. 6 lbs. ‡ Shpg. wt. 9 lbs.

Plate Transformers

Primaries for 115 v., 50/60 cycles a.c. For duplex rectifiers, the high and low voltage output of any of the units listed below can be used simultaneously. The rated d.c. current can be divided as required between both voltage outputs.

No.	Type	High Voltage	Ma.	Case	Lbs.	Each
K5844	S-44	575-525-0-525-575	300	G-9	22	\$15.19
K5845	S-45	900-750-0-750-900	200	G-8	14	11.76
K5846	S-46	1000-750-0-750-1000	300	G-9	19	14.70
K5847	S-47	1500-1250-1000-0-1000-1250-1500	300	G-10	30	18.62
K5848	S-48	1500-1250-1000-0-1000-1250-1500	500	G-11	32	27.44
K5850	S-50	3000-2500-0-2500-3000	300	G-11	50	36.26

Plate and Filament Transformers

All primaries for 115 volts, 50/60 cycles a.c.
 High volt. 490-400-0-400-490 at 175 ma.; 5 v. at 3 a. (rect.); 2.5 v. c.t. at 6 a.; 6.3 v. c.t. at 4 a. G-6. Wt. 9 lbs.
K5839-S-39. Your Cost \$10.29
 High volt. 525-425-0-425-525 at 250 ma.; 5 v. at 3 a. (rect.); 6.3 v. c.t. at 3 a.; 6.3 v. c.t. at 3 a. G-7. Wt. 12 lbs.
K5840-S-40. Your Cost \$10.29
 High volt. 600-0-600 at 200 ma.; 5 v. at 3 a. (rect.); 7.5 v. tapped at 6.3 v. at 3 a.; 6.3 v. c.t. at 2 a. G-7. Wt. 11 lbs.
K5841-S-41. Your Cost \$9.31
 High volt. 600-525-0-525-600 at 300 ma.; 5 v. at 3 a. (rect.); 7.5 v. tapped at 6.3 v. at 3 a.; 6.3 v. c.t. at 3 a. G-8. Wt. 14 lbs.
K5842-S-42. Your Cost \$12.25

Single Secondary Filament Transformers

Primaries tapped 105, 115 volts, 50/60 cycles a.c.

No.	Type	Sec. Volts	Amps.	Insul.	Case	Lbs.	Each
K5853	S-53	2.5 c.t.	10	1500 v.	G-3	3	\$3.14
K5854	S-54	5 c.t.	4	2500 v.	G-3	3	3.14
K5855	S-55	6.3 c.t.	3	1500 v.	G-3	3	3.14
K5857	S-57	2.5 c.t.	16	1000 v.	G-5	5	4.41
K5858	S-58	2.5 c.t.	20	1000 v.	G-5	5	5.39
K5859	S-59	5 to 5.25 c.t.	13	5000 v.	G-5	5	4.41
K5861	S-61	7.5 tapped, 6.3 c.t.	8	3000 v.	G-5	5	4.41
K5862	S-62	10 c.t.	10	5000 v.	G-5	5	5.39
K5863	S-63	14 v. c.t. tapped at 12 v. c.t., 11 v. c.t.	10	5000 v.	G-7	5	9.80

Multiple Secondary Filament Windings

Primaries tapped 105, 115 volts, 50/60 cycles AC. All secondaries center tapped. Shpg. wt., each, 8 lbs.

Stock No.	Type No.	Fil. No. 1 Volts Amps.	Fil. No. 2 Volts Amps.	Fil. No. 3 Volts Amps.	Case	Your Cost	
K5865	S-65	2.5	5	4	6.3	3	G-5 \$5.39
K5868	S-68	5	3	6.3	7.5	5	G-5 5.88
K5870	S-70	6.3	5	6.3	5	5	G-5 5.88

All 3000 volt insulation.

transmitting transformers

THORDARSON

PLATE TRANSFORMERS

Pri. 115V. 50-60 cyc., except (*) which are 115-230V. Sec. voltages are either side of c.t. DC voltage out of 2-sec. filter (choke input) approx. 20% less than AC rating. DC MA. rating is for intermittent operation; cont. rating approx. 25% less. Shields bet. pri. & sec. (***) denotes sec. voltages changed by tap.

No.	Thord.	Sec. V AC	DC MA	Mtg.	H"xW"xD"	Lbs.	Each
K503	T21P75*	3000, 2400, 1500	650	PUV	9 ¹ / ₂ x7 ¹ / ₂ x13 ¹ / ₂	82	\$79.38
K505	T21P77*	3000, 2450	425	PUV	9x6 ¹ / ₂ x11	86	55.86
K509	T21P79*	1875, 1560	550	PUV	6 ⁷ / ₈ x5 ¹ / ₂ x11	47	39.69
K512	T21P81**	1560, 1265	425	PUV	6 ⁷ / ₈ x5 ¹ / ₂ x11	40	35.29
K513	T21P82**	2335, 1700	300	PUV	6 ⁷ / ₈ x5 ¹ / ₂ x10	32	29.40
K518	T21P83**	1560, 1250	300	PUV	6x4 ¹ / ₂ x8 ¹ / ₂	14	21.76
K521	T21P85**	1710, 1462	425	PUV	5 ¹ / ₂ x4 ¹ / ₂ x6 ³ / ₈	32	14.99
K524	T21P87**	835, 656	300	GGV	4 ³ / ₈ x3 ³ / ₈ x4 ¹ / ₂	11	8.82
K525	T21P89	1000	250	GGV	3 ³ / ₈ x3 ³ / ₈ x4 ¹ / ₂	8	5.29
K526	T21P91	1200 & 900	200-150	PUV	5 ¹ / ₂ x4 ¹ / ₂ x7 ³ / ₈	20	15.88
K527	T21P93	1875 & 500	1000-400	GGV	4 ³ / ₈ x3 ³ / ₈ x4 ¹ / ₂	12	8.82

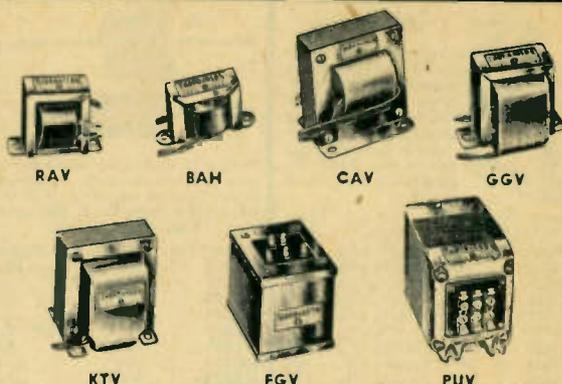
FILAMENT TRANSFORMERS

Pri. 115V. 50-60 cyc. All secondaries center tapped.

Stock No.	Thord. No.	Volts	Amps.	Ins. VRMS	Mtg. Type	Size, In. H x W x D	Wt. Lbs.	Your Cost
M528	T21F01	2.5	10	1600	BAV	2 ¹ / ₂ x3 ¹ / ₂ x2	3	\$2.47
M531	T21F02	2.5	10	7500	CAV	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	3	2.94
M534	T21F04	5	7	1600	BAV	2 ¹ / ₂ x3 ¹ / ₂ x2	3	2.65
M535	T21F06	5	13	1600	CAV	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	3	3.23
M538	T21F07	5	21	1600	CAV	3 ¹ / ₂ x3 ¹ / ₂ x3 ¹ / ₂	4	4.41
M539	T21F10	6.3	3	1600	BAH	2x3 ¹ / ₂ x1 ¹ / ₂	2	1.91
M543	T21F11	6.3	6	1600	BAV	2 ³ / ₄ x3 ¹ / ₂ x2	3	2.50
M544	T21F12	6.3	10	1600	CAV	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	4	3.23
M545	T21F15	7.5	4	1600	BAV	2 ¹ / ₂ x3 ¹ / ₂ x2	3	2.35
M546	T21F16	7.5	8	1600	CAV	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	3	3.23
M547	T21F17	7.5	12	1600	CAV	3 ¹ / ₂ x2 ¹ / ₂ x3 ¹ / ₂	4	3.67
M548	T21F18	10	5	1600	CAV	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	4	2.94
M553	T21F19	10-11	12	1600	CAV	3 ¹ / ₂ x3 ¹ / ₂ x3 ¹ / ₂	5	4.41

VIBRATOR POWER TRANSFORMERS

Stock No.	Thord. No.	Primary	HV VDC	Sec. MA	Sec. #2	Mtg. Type	Size, In. H x W x D	Wt. Lbs.	Your Cost
K554	T22R20	6-8 VDC	250	50		CAV	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	3	\$3.23
K555	T22R22	6-8 VDC	325	75		CAV	3 ¹ / ₂ x2 ¹ / ₂ x3 ¹ / ₂	3	3.82
K556	T22R24	117 VAC	325	135	6.3 V CT @ 4 ¹ / ₂ A	GGV	4 ³ / ₈ x3 ³ / ₈ x4 ¹ / ₂	9	7.06



MODULATION TRANSFORMERS

Stock No.	Thord. No.	Imp. (*CT) Sec.	Primary - Applicable	Mtg.	Size, In. H x W x D	Wt. Lbs.	Your Cost
K557	T21M50	10M	4500 19 etc.	BAH	1 x 2 x 1	2	\$ 1.65
K558	T21M52	10M*	4500, 3750 6N7 etc.	FGV	2 x 2 x 2	3	2.35
K559	T21M54	6.6M*	4000 PP 6L6 etc.	GGV	3 x 2 x 2	3	3.35
K561	T21M56	10M*	6600, 3750 T220, 809 etc.	GGV	3 x 3 x 4	8	5.29
K564	T21M58	15M*	6250 PP 811 etc.	KTV	5 x 4 x 5	8	13.23

UNIVERSAL MODULATION TRANSFORMERS

Ideal for amateurs and experimenters. The tapped coils used in this series are designed for wide range applications.

Stock No.	Thord. No.	Cap. Watts	Pri. MA /Side	Sec. MA Ser.	MA Par. Type	Size, In. H x W x D	Wt. Lbs.	Your Cost	
K565	T21M60	15	50	50	100	KTV	4x2 ¹ / ₂ x3 ¹ / ₂	3	\$ 7.06
K566	T21M61	60	125	125	250	PUV	4x3 ¹ / ₂ x5 ¹ / ₂	3	8.23
K567	T21M62	125	210	160	320	PUV	5 ¹ / ₂ x4 ¹ / ₂ x6 ³ / ₈	15	16.17
K568	T21M64	300	250	250	500	PUV	6x4 ¹ / ₂ x7 ³ / ₈	32	27.93
K569	T21M65	500	320	320	640	PUV	6 ⁷ / ₈ x5 ¹ / ₂ x11	55	47.04

STANCOR

PLATE SUPPLY TRANSFORMERS

Sec. voltages either side of C.T. Pri. 115V. (*)-115-230V, Mtg. FS.

No.	Type	V DC	Sec-V AC	DC MA V	H"xW"xD"	Lbs.	Each
K1752	P8045	1000, 750	1225, 850	250	7 ¹ / ₂ x6 ¹ / ₂ x8	27.2	\$19.32
K1753	P8025	1000, 750	1230, 940	400	7 ¹ / ₂ x6 ¹ / ₂ x8 ¹ / ₂	35.5	22.95
K1755	P8026	1250, 1000	1475, 1175	300	7 ¹ / ₂ x7 ¹ / ₂ x8 ¹ / ₂	36	24.34
K1760	P8027	1250, 1000	1510, 1210	500	7 ¹ / ₂ x7 ¹ / ₂ x9	40	30.08
K1761	P8028	1500, 1250	1740, 1460	300	7 ¹ / ₂ x7 ¹ / ₂ x8 ¹ / ₂	38	26.84
K1762	P8029	1500, 1250	1775, 1500	500	11 ¹ / ₂ x7 ¹ / ₂ x8 ¹ / ₂	52	37.60
K1763	P8030	1750, 1500	2100, 1800	300	7 ¹ / ₂ x7 ¹ / ₂ x9	40	29.34
K1764	P8031	1750, 1500	2075, 1775	500	11 ¹ / ₂ x7 ¹ / ₂ x8 ¹ / ₂	52	39.37
K1765	P8032	2000, 1750	2400, 2100	300	7 ¹ / ₂ x7 ¹ / ₂ x9 ¹ / ₂	45	30.78
K1770	P8033	2000, 1750	2375, 2065	300	11 ¹ / ₂ x7 ¹ / ₂ x9 ¹ / ₂	57	48.33

FILAMENT TRANSFORMERS (ALL SEC. CENTER TAPPED)

No.	Type	Sec V	Sec A	VRMS	Pri. V.	Mtg.	H x W x D	Lbs.	Each
K 1771	P3024	2.5	10	2500	117/107	C	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	2.7	\$3.38
K 1800	P5000	5	6	2500	117/107	C	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	3.2	3.15
K1801	P4086	5	14	10000	117/107	FA	5 ¹ / ₂ x4 ¹ / ₂ x8 ¹ / ₂	9.4	7.67
K1802	P6302	5	22	10000	117/107	FA	5 ¹ / ₂ x4 ¹ / ₂ x8 ¹ / ₂	12	8.94
K1804	P6137	5.25	13	2500	117	N	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	4.2	3.88
K1779	P5014	6.3	3	2500	117	B	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	2	2.09
K1775	P3064	6.3	6	2500	117	B	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	2.4	2.50
K1805	P6308	6.3	10	2500	117/107	N	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	4	3.29
K1780	P5015	7.5	4	2500	117	B	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	2.5	2.15
K1828	P4091	7.5	5	2500	117/107	C	3 ¹ / ₂ x3x3	4	3.56
K1782	P6138	7.5	8	2500	117	N	3 ¹ / ₂ x3x3	4.1	3.38
K1834	P4092	7.5	8	2500	117/107	C	4x3 ¹ / ₂ x3 ¹ / ₂	5.6	4.29
K1840	P6139	10	8	2500	117	N	3 ¹ / ₂ x3x3	4.1	3.56

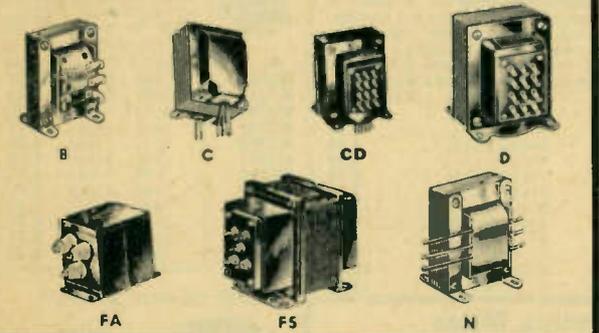
MODULATION TRANSFORMERS

Multi-tapped, matches Driver output to Modulation unit. Matches impedances of Class "B" amp. (2000 to 20,000 ohms) to Class "C" load impedances of 2000 to 20,000 ohms. * Denotes max. values.

No.	Type	DC MA*	Audio	Mtg.	H"xW"xD"	Lbs.	Each
K1841	A3891	100	15 W	D	3 ¹ / ₂ x2 ¹ / ₂ x2 ¹ / ₂	2.5	\$4.97
K1621	A3892	150	30 W	D	4x3 ¹ / ₂ x3 ¹ / ₂	4	6.09
K1622	A3893	180	60 W	D	4x3 ¹ / ₂ x4 ¹ / ₂	7.3	7.14
K1851	A3894	225	125 W	D	4 ¹ / ₂ x4x4 ¹ / ₂	12	9.44
K1638	A3898	260	300 W	FS	7 ¹ / ₂ x7 ¹ / ₂ x8 ¹ / ₂	40	34.02
K1852	A3899	500	600 W	FS	11 ¹ / ₂ x7 ¹ / ₂ x9	75	70.18

FILTER CHOKES

No.	Type	Hys.	MA	Ohms	VRMS	Mtg.	H"xW"xD"	Lbs.	Each
K1832	C1646	5	200	90	5000	C	4x3 ¹ / ₂ x3 ¹ / ₂	4.7	\$3.73
K1831	C1411	4.5	200	80	3000	C	3 ¹ / ₂ x3x3 ¹ / ₂	4	3.35
K1855	C1721	8.5	200	120	3000	C	3 ¹ / ₂ x3x3 ¹ / ₂	4.5	3.44
K1860	C1412	4	250	60	3000	C	3 ¹ / ₂ x3x3 ¹ / ₂	4.8	3.94
K1865	C2308	8	300	80	3000	D	4 ¹ / ₂ x4x3 ¹ / ₂	9	6.17
K1853	C1413	8	300	80	5000	D	4 ¹ / ₂ x4x3 ¹ / ₂	9	6.17
K1866	C1414	7.5	400	60	5000	D	4 ¹ / ₂ x4x5 ¹ / ₂	13 ¹ / ₂	8.23
K1867	C1415	6	500	75	7500	FS	7 ¹ / ₂ x6 ¹ / ₂ x7	17	13.52



LINE DRIVER TRANSFORMERS

Tapped to match line imped. to Mod. or "B" Amp. grids. Mtg. CD.

No.	Type	Pri. V/Sec	DC MA	Audio	Mtg.	H"xW"xD"	Lbs.	Each
K1679	A4765	1-4 ¹ / ₂ , 1-4 ¹ / ₂ /100, 1-1, 1-1 ¹ / ₂ , 2-1, 2 ¹ / ₂ , 1-1 ¹ / ₂ , 1-2 ¹ / ₂ , 1-3 ¹ / ₂ /100	Pri-180 Sec-100	15 W	3 ¹ / ₂ x2 ¹ / ₂ x3 ¹ / ₂	3	\$5.35	
K1680	A4766	Same as above	Pri-280 Sec-200	30 W	3 ¹ / ₂ x3x3 ¹ / ₂	4	6.29	

DRIVER TRANSFORMERS

Multi-tapped for choosing optimum ratio. Mtg. CD.

No.	Type	Pri. V/Sec	DC MA	Audio	Mtg.	H"xW"xD"	Lbs.	Each
K1616	A4761	1 ¹ / ₂ , 1 ¹ / ₂ /1, 1 ¹ / ₂ /1, 1 ¹ / ₂ /1, 2 ¹ / ₂ /1, 3 ¹ / ₂ /1, 3 ¹ / ₂ /1, 4 ¹ / ₂ /1, 5 ¹ / ₂ /1	Pri-150 Sec-100	15 W	3 ¹ / ₂ x2 ¹ / ₂ x3 ¹ / ₂	3	\$5.82	
K1617	A4762	2 ¹ / ₂ /1, 3 ¹ / ₂ /1, 3 ¹ / ₂ /1, 3 ¹ / ₂ /1, 4 ¹ / ₂ /1, 5 ¹ / ₂ /1	Pri-150 Sec-180	15 W	3 ¹ / ₂ x2 ¹ / ₂ x3 ¹ / ₂	2.8	5.52	
K1618	A4763	1 ¹ / ₂ /1, 1 ¹ / ₂ /1, 1 ¹ / ₂ /1, 2 ¹ / ₂ /1, 2 ¹ / ₂ /1, 3 ¹ / ₂ /1, 3 ¹ / ₂ /1, 4 ¹ / ₂ /1, 5 ¹ / ₂ /1	Pri-225 Sec-280	30 W	3 ¹ / ₂ x3x4	4.3	7.14	
K1707	A4764	1 ¹ / ₂ /1, 2 ¹ / ₂ /1, 2 ¹ / ₂ /1, 3 ¹ / ₂ /1, 3 ¹ / ₂ /1	Pri-150 Sec-100	30 W	3 ¹ / ₂ x3x4	4.3	7.14	

SWINGING CHOKES

Stock No.	Type	Min. H
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transmitting condensers



"09" Series

Compact high voltage units hermetically sealed in welded steel cans. "Hyvol" filled. Universal mounting bracket permits up-right or inverted mtg. Sizes to 5000 V. available on special order.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size in. inches	Your Cost
K4527	2	600	3 1/2 x 1 1/2 x 1 1/2	\$3.79
K4528	4	600	3 1/2 x 2 1/2 x 1 1/2	4.91
K4529	4	1000	2 3/4 x 1 1/2 x 1 1/2	3.34
K4530	4	1000	3 3/4 x 1 1/2 x 1 1/2	4.46
K4531	4	1000	4 1/2 x 2 1/2 x 1 1/2	5.58
K4532	1	1500	4 1/2 x 1 1/2 x 1 1/2	4.01
K4533	2	1500	4 1/2 x 2 1/2 x 1 1/2	5.58
K4534	4	1500	4 1/2 x 3 1/2 x 1 1/2	7.59
K4535	1	2000	3 1/2 x 2 1/2 x 1 1/2	4.91
K4536	2	2000	3 1/2 x 3 1/2 x 1 1/2	5.80
K4826	4	2000	3 1/2 x 3 1/2 x 2 1/2	8.04
K4830	2	2500	4 1/2 x 3 1/2 x 1 1/2	11.60
K4825	2	3000	4 1/2 x 3 1/2 x 2 1/2	13.39

AEROVOX "10" Series



"Hyvol" inverted aluminum cans 1 1/2" diam. Hermetically sealed. Washer.

Stock No.	Cap. Mfd.	Wkg. Vts.	Your Cost
K4519	2	600	\$2.25
K4521	4	600	3.08
K4522	1	1000	2.05
K4523	2	1000	2.67
K4524	0.5	1500	2.46
K4525	1.0	1500	2.67

"05" Series



"Hyvol" filled and impregnated units in round aluminum cans provided with terminals mounted on high voltage stand-off insulators. Hermetically sealed. All mount either upright or inverted; mounting ring is furnished. All conservatively rated.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size in. inches	Your Cost
K4819	1.0	600	2 x 2 1/2	\$2.22
K4820	2.0	600	2 x 2 1/2	2.89
K4821	4.0	600	2 x 3 1/2	4.01
K4793	1.0	1000	2 x 3 1/2	2.45
K4794	2.0	1000	2 x 3 1/2	3.34
K4795	4.0	1000	2 3/4 x 3 1/2	4.23
K4796	1.0	1500	2 x 3 1/2	3.12
K4797	2.0	1500	2 x 3 1/2	4.23
K4822	4.0	1500	2 1/2 x 3 1/2	5.35
K4798	1.0	2000	2 x 4 1/2	4.01
K4799	2.0	2000	2 x 4 1/2	4.46
K4827	1.0	2500	2 x 5 1/2	5.35
K4828	2.0	2500	2 1/2 x 5 1/2	8.21
K4823	1.0	3000	2 1/2 x 5 1/2	8.04
K4824	2.0	3000	3 x 5 1/2	9.80

"DYR" By-Pass Units



Dykanol "G" oil filled. Drawn metal cans 600 volts d.c. working. Low power factor.

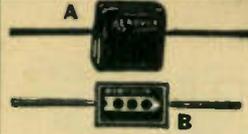
Stock No.	Type	Mfd.	Each
K3011	DYR-6010	.1	\$1.56
K3012	DYR-6025	.25	1.63
K3013	DYR-6050	.5	1.73
K3014	DYR-6100	1.0	2.00
K3015	DYR-6200	2.0	2.68
K3007	DYR-6011	1.-1.	1.96
K3008	DYR-6055	5.-5	2.29

"TLA" DYKANOL "G" Filter Capacitors



In Sealed aluminum containers 4 1/2 x 1 1/2" (2 mfd. 600 v. and 1 mfd. 1000 v. are 2 1/2" high). Mount in any position. Dykanol dielectric.

Stock No.	Cap. Mfd.	Wkg. V.	Each
K4195	2	600	\$2.45
K4196	4	600	3.33
K4197	1	1000	2.22
K4198	2	1000	2.97
K4199	1	1500	2.97



AEROVOX Silver Micas

Encased in red molded bakelite housings and provided with pigtail leads. For most critical applications where precise capacity values must be obtained.

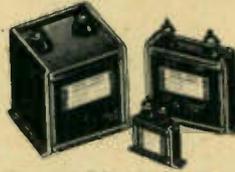
Features: only plus .0022 per degree F. temperature coefficient; high "Q"; no capacity drift with time 1000 volts test, 500 working. Tolerance $\pm 5\%$.

Type 1464 - Fig. A, 2 1/2" Square	Each
K5086	.00075 \$0.71
K5087	.001 .88
K5088	.0015 1.06
K5089	.002 1.06
K5090	.0025 1.41
K5091	.003* 1.59
K5092	.004* 1.68
K5093	.005* 1.76

* = 600 volts test, 300 working.

Type 1469 - Fig. B, 1 1/2" x 1 1/2"	No.	Mfd.	Each
K5071	.000005	35c	
K5072	.00001	29c	
K5073	.000025	29c	
K5074	.00004	29c	
K5075	.00005	29c	
K5076	.00007	29c	
K5077	.000075	29c	
K5078	.0001	29c	
K5079	.00015	35c	
K5080	.0002	35c	
K5081	.00025	35c	
K5082	.0003	53c	
K5083	.00035	53c	
K5084	.0004	53c	
K5085	.0005	53c	

GENERAL ELECTRIC Industrial Capacitors



Pyranol filled high voltage capacitors in hermetically sealed metal containers with premounted rigid base brackets. Porcelain insulators.

No.	Mfd.	W.V.	Size In.	Each
K3768	1	600	3 1/2 x 1 x 2 1/2	\$2.58
K3769	2	600	4 x 1 x 2 1/2	3.14
K3770	4	600	4 1/2 x 1 1/2 x 3 1/2	4.07
K3753	1	1000	3 1/2 x 1 x 2 1/2	2.77
K3754	2	1000	5 1/2 x 1 x 2 1/2	3.69
K3755	4	1000	5 1/2 x 1 1/2 x 3 1/2	4.62
K3756	1	1500	5 1/2 x 1 x 2 1/2	3.31
K3757	2	1500	5 1/2 x 1 1/2 x 3 1/2	4.62
K3758	4	1500	5 1/2 x 1 1/2 x 4 1/2	6.29
K3759	1	2000	4 1/2 x 1 1/2 x 3 1/2	4.07
K3760	2	2000	5 1/2 x 1 1/2 x 4 1/2	4.80
K3654	4	2000	5 1/2 x 2 1/2 x 5	6.66
K3651	1	3000	5 1/2 x 2 1/2 x 5	8.88
K3652	2	3000	6 1/2 x 3 1/2 x 5	11.10
K3653	4	3000	7 1/2 x 4 1/2 x 5	16.35

PLASTICON Condensers



Here is something new in high voltage condensers! Mineral oil impregnated and filled. Hermetically sealed; can be operated in any position. Plasticon condensers use a plastic film dielectric in place of the ordinary impregnated paper. They are smaller, lighter, more economical, have closer tolerances, wider temperature ranges, greater safety factor, longer life. All DC rectangulars have 8-32 screw and hex nuts with removable hot-tinned solder lugs.

Stock No.	Mfd.	DCWV	Dimensions	Your Cost
K2901	4	600	4 x 2 x 1 1/2	\$3.11
K2902	1	1000	2 1/2 x 1 1/2 x 1 1/2	2.36
K2903	2	1000	3 1/2 x 2 x 1 1/2	3.04
K2905	4	1000	4 1/2 x 2 1/2 x 1 1/2	3.85
K2906	8	1000	4 1/2 x 3 1/2 x 1 1/2	5.43
K2907	1	2000	2 1/2 x 2 x 1 1/2	3.36
K2908	2	2000	3 1/2 x 2 1/2 x 1 1/2	4.01
K2909	4	2000	3 1/2 x 3 1/2 x 1 1/2	5.43
K2910	1	3000	4 x 2 1/2 x 1 1/2	7.11
K2911	2	3000	4 x 3 1/2 x 1 1/2	9.06
K2912	4	3000	4 1/2 x 3 1/2 x 1 1/2	12.51
K2913	1	5000	4 x 3 1/2 x 1 1/2	19.40

SANGAMO X'mitting Micas



For low and high power transmitters, power supplies, power amplifiers, etc. Employ the finest ruby mica dielectric. Completely cased in molded bakelite housings with tapped 6/32 screw terminals on each end. Size: 1 1/2" long, 1/2" thick and 1 1/2" wide (varies slightly with capacitance).

Mfd.	No.	600 Volt Wkg. 1000 Volts Test Each	1200 Volt Wkg. 2500 Volts Test Each	2500 Volt Wkg. 5000 Volts Test Each
.00005	K3051	41c	K3771	47c
.0001	K3053	41c	K3772	47c
.00015	K3054	41c	K3773	47c
.00025	K3056	41c	K3775	47c
.0005	K3060	41c	K3776	47c
.001	K3061	41c	K3777	59c
.002	K3064	44c	K3779	88c
.005	K3069	56c	K3782	\$1.15
.006	K3070	65c	K3783	1.15
.01	K3073	91c	K3784	1.82
.02	K3766	\$1.21	K3845	2.56

SANGAMO Economy Micas



Capacities given are D.C. Test Volts

Cap. Mfd.	600 V. Wkg. 1000 V. Each	1200 V. Wkg. 2500 V. Each	2500 V. Wkg. 5000 V. Each	
.00005	K3600	\$0.33	K3609	\$0.45
.0001	K3601	.33	K3610	.45
.00025	K3602	.33	K3611	.45
.0005	K3603	.36	K3612	.47
.001	K3604	.36	K3613	.53
.002	K3604	.39	K3614	.62
.005	K3606	.50	K3625	1.00
.006	K3607	.56		
.01	K3608	.65	K3624	1.47
.02	K3623	1.29		

"TJU" DYKANOL "G" Oil-Filled Capacitors



New universal mounting bracket makes these condensers a better buy than ever. DYKANOL filled and impregnated. Porcelain high tension terminals. Shpg. wt. 1 lb.

No.	Mfd.	Wkg. V.	Ht.	Each
K2994	1	600	2 1/2"	\$3.12
K2995	2	600	2 1/2"	3.78
K2996	4	600	3 1/2"	4.91
K2997	8	600	3 1/2"	7.13
K2997	1	1000	2 1/2"	3.33
K2998	2	1000	4"	4.46
K3004	4	1000	4 1/2"	5.58
K2958	8	1000	4 1/2"	8.04
K2959	10	1000	4 1/2"	8.92
K2999	1	1500	4"	4.01
K3000	2	1500	4 1/2"	5.58
K3005	4	1500	4 1/2"	7.44
K2960	8	1500	4 1/2"	11.15
K3001	1	2000	3 1/2"	4.91
K3003	2	2000	4"	5.79
K3021	4	2000	3 1/2"	8.04
K3019	1	3000	3 1/2"	10.78
K3020*	2	3000	4"	13.39
K3022*	2	5000	6"	28.65

* Mounting soldered feet to bottom of can.

"TQ" DYKANOL "G" Oil-Filled Condensers



Designed to stand up under conditions of severe transient voltages and line surges and continuous duty operation. In cylindrical aluminum containers, with 2 insulated terminals and universal m'tg bracket. May be mounted in any position.

No.	Mfd.	Wkg. V.	Dimen.	Each
K2962	2	600	2 1/2" x 2"	\$2.97
K2963	4	600	2 1/2" x 2"	4.01
K2964	1	1000	1 1/2" x 2"	2.45
K2965	2	1000	2 1/2" x 2"	3.33
K2966	4	1000	3 1/2" x 2"	4.23
K2967	1	1500	2 1/2" x 2"	3.12
K2968	2	1500	3 1/2" x 2"	4.23
K2969	1	2000	3 1/2" x 2"	4.01
K2970	2	2000	4 1/2" x 2"	4.46
K2971	4	2000	4 1/2" x 3"	6.24
K2972	1	3000	3 1/2" x 3"	8.04
K2973	2	3000	5 1/2" x 3"	9.67

C-D "Silver Mikes"



Designed for use in electronic circuits where frequency stability must be maintained. Molded in low-loss red bakelite and provided with tinned brass wire leads. All units rated 500 volts d.c. working, 1000 volts d.c. test except on capacities higher than .0025 which are rated at 300 V. d.c. wkg., 600 volts d.c. test.

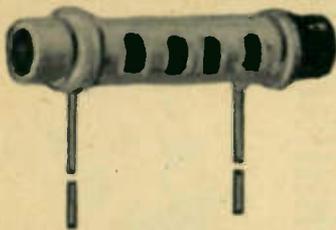
No.	Mfd.	Each	No.	Mfd.	Each
K1351	.000005	35c	K1386	.00015	35c
K1352	.00001	29c	K1387	.0002	35c
K1353	.000025	29c	K1388	.00025	35c
K1371	.00004	29c	K1389	.0003	35c
K1383	.00005	29c	K1390	.0004	53c
K1384	.00007	29c	K1391	.0005	53c
K1385	.0001	29c			

No.	Mfd.	Each	No.	Mfd.	Each
K1392	.001	88c	K1396	.003	\$1.59
K1393	.0015	\$1.06	K1397	.004	1.68
K1394	.002	1.06	K1398	.005	1.76
K1395	.0025	1.41			

We can supply any C-D industrial or transmitting capacitors not shown here. Prices on request.

ceramic condensers

CENTRALLAB Ceramic Tubulars



General Specifications

NPO indicates zero temperature capacitor and is used where no change with temperature is desired. N750 indicates negative temperature compensating capacitor. N750 = .00075 mmf/mmf/°C. Standard tolerances for both types is $\pm 2\frac{1}{2}\%$ for 25 mmf and higher; $\pm .5$ mmf for 20 mmf or less.

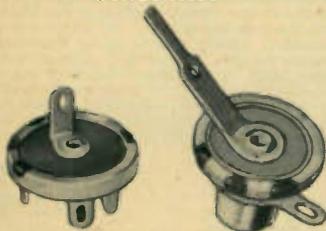
Centrallab Tubular Capacitors consist of a thin wall ceramic tube, spacing two tubular silver plates, one inside and one outside the ceramic. The capacitance has uniform retrace characteristics under all life and aging tests because the silver is electroplated on the ceramic and no mechanical movement or warping that might change the distance between the plates is possible.

Type NPO

Type N750

No.	L x D	Cap(mmf)	No.	L x D	Each
K7418	$\frac{7}{16} \times \frac{1}{2}$	2	K7435	$\frac{7}{16} \times \frac{1}{2}$	\$0.35
K7419	$\frac{7}{16} \times \frac{1}{2}$	3	K7436	$\frac{7}{16} \times \frac{1}{2}$	.35
K7420	$\frac{7}{16} \times \frac{1}{2}$	4	K7437	$\frac{7}{16} \times \frac{1}{2}$	.35
K7421	$\frac{7}{16} \times \frac{1}{2}$	5	K7438	$\frac{7}{16} \times \frac{1}{2}$	.35
K7422	$\frac{7}{16} \times \frac{1}{2}$	10	K7439	$\frac{7}{16} \times \frac{1}{2}$	.35
K7423	$\frac{7}{16} \times \frac{1}{2}$	20	K7440	$\frac{7}{16} \times \frac{1}{2}$	.35
K7424	$\frac{7}{16} \times \frac{1}{2}$	25	K7441	$\frac{7}{16} \times \frac{1}{2}$	.35
K7425	$\frac{7}{16} \times \frac{1}{2}$	40	K7442	$\frac{7}{16} \times \frac{1}{2}$	.35
K7426	$\frac{7}{16} \times \frac{1}{2}$	50	K7443	$\frac{7}{16} \times \frac{1}{2}$	.35
K7427	$\frac{7}{16} \times \frac{1}{2}$	75	K7444	$\frac{7}{16} \times \frac{1}{2}$	.35
K7428	$\frac{7}{16} \times \frac{1}{2}$	100	K7445	$\frac{7}{16} \times \frac{1}{2}$	.35
		125	K7446	$\frac{7}{16} \times \frac{1}{2}$	.35
K7429	$1\frac{1}{4} \times \frac{3}{8}$	125			.47
		150	K7447	$\frac{7}{16} \times \frac{1}{2}$	.35
K7430	$1\frac{1}{4} \times \frac{3}{8}$	150			.47
		175	K7448	$\frac{7}{16} \times \frac{1}{2}$	.35
K7431	$1\frac{1}{4} \times \frac{3}{8}$	175			.47
		200	K7449	$\frac{7}{16} \times \frac{1}{2}$	.35
K7432	$1\frac{1}{4} \times \frac{3}{8}$	200			.47
		250	K7450	$\frac{7}{16} \times \frac{1}{2}$	.35
K7433	$1\frac{1}{4} \times \frac{3}{8}$	250			.59
		300	K7451	$\frac{7}{16} \times \frac{1}{2}$	.35
K7434	$1\frac{1}{4} \times \frac{3}{8}$	300			.59

ERIE Silver-Mica Button Condensers



Midget silver-mica condensers—for use where compact size, minimum external inductance, and high internal series resistance is essential. Unmatched for VHF and UHF work. "Q" factor at 1 MC is not less than 1000 above 100 mmf; not less than 700 between 50 and 100 mmf; and not less than 500 for below 50 mmf. Max. working voltage is 350 V A.C. or 500 V D.C. Type 370-CB has ring type metal shell with 3 soldering ears. High potential terminal at either end for feed-thru connection. Type 370-FF bolted to chassis with 3/48 screw.

Type 370-CB-CA

Type 370-FF

No.	Each	Cap (mmf)	No.	Each
K7398	\$0.73	15 \pm 1.5	K7408	\$0.73
K7399	.73	50 \pm 5	K7409	.73
K7400	.73	100 \pm 10	K7410	.73
K7401	.73	150 \pm 15	K7411	.73
K7402	.73	200 \pm 20	K7412	.73
K7403	.73	300 \pm 30	K7413	.73
K7404	.73	400 \pm 40	K7414	.73
K7405	.73	500 \pm 50	K7415	.73
K7406	1.47	750 \pm 150	K7416	1.47
K7407	1.76	1000 \pm 200	K7417	1.76

ERIE NPO and GP Ceramicons



Insulated



Non-Insulated

These condensers consist of silver electrodes fired on ceramic dielectric.

Physical Sizes: Insulated types—Style K .250" x .562"
Style L .250" x .812"
Style M .340" x 1.328"
Non-Insulated type—Style D .360" x 1.110"

NPO Ceramicons

Has zero temperature coefficient. Recommended for frequency applications, "Q" for NPO Ceramicons above 50 mmf is 1000 or higher. Below 30 mmf, "Q" decreases slightly as capacity decreases. Working voltage, 500 volts D.C.

Number	Style	Capacity (mmf)	Each	Number	Style	Capacity (mmf)	Each
K7350	K	3 \pm 1	\$0.29	K7356	M	50 \pm 5	\$0.29
K7351	K	5 \pm 1	.29	K7357	M	75 \pm 7.5	.29
K7352	K	10 \pm 1	.29	K7358	M	100 \pm 10	.29
K7353	K	20 \pm 2	.29	K7359	M	120 \pm 12	.29
K7354	L	25 \pm 2.5	.29	K7360	D	150 \pm 15	.35
K7355	L	33 \pm 3.3	.29	K7361	D	175 \pm 17	.35

GP1 and GP2 Ceramicons

These types should be used for general purpose applications such as by-pass and blocking condensers, where temperature coefficient is not important. Type GP1 Ceramicons have a temperature coefficient between 130 parts/million/°C and -1600 parts/million/°C. "Q" limit over 30 mmf is 1000 or greater. The capacity of Type GP2 Ceramicons will not decrease more than 20% nor increase more than 10% from their value at room temperature as the temperature is varied from -40°C to 85°C. Power factor will not exceed 3%. Rated voltage of GP1 Ceramicons is 500 V D.C.; GP2 Ceramicons, 350 V D.C.

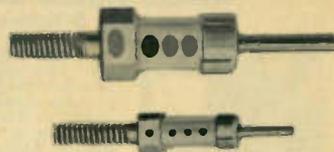
Number	Style	Capacity (mmf)	Each	Number	Style	Capacity (mmf)	Each
K7362	GP1K	10 \pm 2	\$0.15	K7373	GP2K	500 \pm 100	\$0.15
K7363	GP1K	25 \pm 5	.15	K7374	GP2L	680 \pm 136	.18
K7364	GP1K	50 \pm 10	.15	K7375	GP2L	750 \pm 150	.18
K7365	GP1K	75 \pm 15	.15	K7376	GP2L	1000 \pm 200	.18
K7366	GP1K	100 \pm 20	.15	K7377	GP2L	1500 \pm 300	.18
K7367	GP1L	120 \pm 24	.15	K7378	GP2M	2000 \pm 400	.24
K7368	GP1L	150 \pm 30	.15	K7379	GP2M	3000 \pm 600	.29
K7369	GP2K	200 \pm 40	.15	K7380	GP2M	4000 \pm 800	.32
K7370	GP2K	250 \pm 50	.15	K7381	GP2M	5000 \pm 1000	.35
K7371	GP2K	300 \pm 60	.15	K7382	GP2D	6000 \pm 1200	.44
K7372	GP2K	390 \pm 78	.15	K7383	GP2D	6800 \pm 1360	.44

ERIE Stand-Off Ceramicons

Perform dual function of supporting other circuit elements and serve as a condenser for by-passing R-F currents to ground. Minimum inductance at high frequencies makes them ideal for VHF, and UHF applications. Type 720A is $\frac{3}{8}$ " high above chassis; mounted with 3-48 nut. Type 721B has $1\frac{1}{2}$ " 20-gauge tinned copper wire lead terminal at top. Condenser body approx. $\frac{3}{8}$ " above chassis; mounted with 3-48 nut.

K7384—Style 720A, 1000 \pm 200 mmf. . . . Each 59c

K7385—Style 721B, 500 \pm 100 mmf. . . . Each 59c



ERIE Ceramicon Trimmers

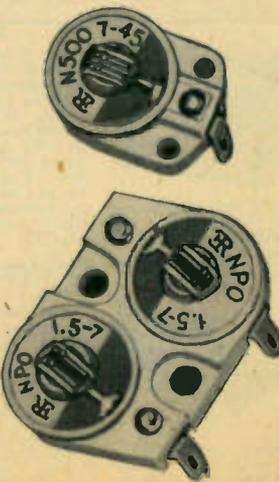
Give maximum stability and ease of adjustment. Capacity change is constant per degree of rotation. Silver electrodes are fired on to ceramic rotor and base. 360-degree rotor completely covers entire track on stator, preventing dust and other foreign matter from affecting characteristics of the unit. Made in single unit (Style TS2A) and dual condenser (Style TD2A) designs, and in three temperature coefficients, zero (NPO); -300 parts/million/°C (N300); and -500 parts/million/°C (N500).

TS2A Ceramicon Trimmers

Number	Temp Coeff.	Capacity (mmf)	Each
K7386	NPO	1.5 to 7	\$0.88
K7387		3.0 to 12	.88
K7388		3 to 13	.88
K7389	N300	5 to 20	.88
K7390		4 to 30	.88
K7391	N500	7 to 45	.88

TD2A Ceramicon Trimmers

Number	Temp Coeff.	Cap. Each Sec.	Each
K7392	NPC	1.5 to 7	\$1.62
K7393		3.0 to 12	1.62
K7394	N300	3 to 13	1.62
K7395		5 to 20	1.62
K7396	N500	4 to 30	1.62
K7397		7 to 45	1.62



kits for amateurs and experimenters

Lafayette 6, 10 and 11 Meter Converter

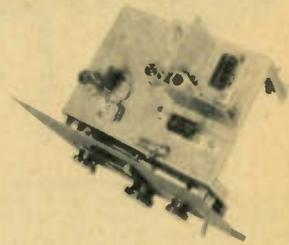


This new LAFAYETTE kit was designed to operate directly from a 105 to 125 volt 60 cycle AC source. The converter makes use of the new selenium rectifier and three of the new miniature tubes. One 6BA6 is employed as a tuned RF stage, one 6BE6 as a mixer and one 6C4 as the high frequency oscillator. Single dial tuning is featured; however, this only controls the high-frequency oscillator, the RF stage being a separate control. This feature eliminates tracking error and the ability to band spread tuning and cope with strong local signals by detuning the RF stage. A separate bias control makes it possible to vary the gain of the mixer which provides a means of obtaining optimum signal to noise ratio regardless of what type receiver it may be connected ahead of. The other controls are an "ON-OFF" switch and a stand-by switch which controls both the converter, and the associated receiver. Plug-in coils are employed for the various bands, one set to cover the 50 to 54 megacycle range and another to cover from 27,180 to 29.7 megacycles. The suggested output frequency is 5.7 mc., however

the output transformer is adjustable from 4.7 to 6.5 mc. The kit comes supplied complete with a punched chassis, panel and cabinet as well as all parts for one band and complete instructions less tubes. Gray crinkle cabinet 8x12x8". Shpg. wt. 15 lbs., kit or assembled.

K10454—LAFAYETTE Converter kit
Your Cost

\$34.50



K21000—Kit of Tubes for Converter

\$3.00

Your Cost per kit
This LAFAYETTE kit is also available completely assembled, wired and tested with coils for 6 and 10 and 11 meter operation complete with full complement of miniature tubes.

K10456—LAFAYETTE Converter assembled.

\$45.00

Lafayette All Wave 2 Tube AC-DC Receiver Kits

AC-DC Operation

This LAFAYETTE receiver kit will operate on 110 volts AC or DC and employs a 12SJ7 as regenerative detector and 11LGT combination power amplifier-rectifier. Kit supplied with 4 coils covering 10 to 200 meters which take in police, aircraft, amateur, foreign and standard bands. Coils overlap in tuning range. Electrical band spread tuning is built in and an output transformer to match the output of the receiver to any PM speaker voice coil, is provided. A jack is included for headphone operation. Complete with punched chassis, panel, set of plug-in coils and tubes.

K10448—Your Cost

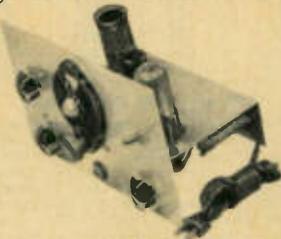
\$17.95

K10043—Set of Broadcast Coils for above kit covering 100-570 meters.

\$1.82

K19269—5" PM speaker for above.

\$2.50



Battery Operation

This entirely new LAFAYETTE two tube battery receiver is very similar to the 2 tube AC and DC LAFAYETTE receiver described just to the left of this item. The only difference between the two kits is that this one is especially designed by our engineers to operate off batteries. A 1C5 tube is employed in this kit as a detector and a 3Q5 tube as a power amplifier. The battery requirements for this set when completed are a 1½ volt "A" battery and two 45 volt "B" batteries and one 4½ volt "C" battery. Complete kit of parts including punched chassis, panel, set of plug-in coils, and tubes.

K10451—Your Cost

\$16.95

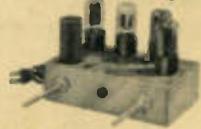
K19820—Kit of batteries for above.

\$3.85

K19269—5" PM speaker for above.

\$2.50

LAFAYETTE 4 Tube Phono Amplifier Kit



This new LAFAYETTE phono amplifier kit, even though it is designed for AC and DC operation, has excellent response characteristics. A 35Z5 rectifier is employed, a 12SL7 dual triode as an amplifier phase inverter and two 35L6 Beam Power output tubes in push-pull. Inverse feed-back is employed in this kit to improve the frequency response. A universal output transformer is supplied enabling a Permanent Magnet speaker voice coil impedance to be matched. The power output of this amplifier is approximately 3 watts. A variable tone control is also provided. This is a complete kit of parts including punched chassis for mounting ease. Complete with tubes.

K10457—Your Cost

\$10.45

K19271—8" PM Speaker for above.

\$4.00

AC-DC HOME RADIO KITS

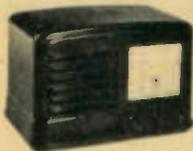
6-Tubes 2-Band AC-DC Kit

Model S6X receiver kit has a freq. range from 550-1600 kc and s.w. band from 7-16 mc. Two band dial. Three controls: band switch, tuning and volume controls. Circuit includes untuned stage of RF amplification, 12SK7 as RF amplifier, a 12SA7 oscillator-converter, a 12SK7 IF amplifier, a 12SQ7 as a det. AVC, 1st Audio Amplifier, 33L6 GT. power output, and a 35Z5 rectifier. Kit includes all parts including cabinet except tubes, wire and solder.

K10462—Model S6X 6-Tube Receiver Kit

\$18.95

Your Cost



5-Tube AC-DC Kit

S-5 is a top kit of post-war engineering of modern receiver. A 5-tube superhet. True tone reproduction. Airplane dial 550 kc to 1600 kc. Brown plastic cabinet. Loop antenna, new Alnico 5 speaker. Antenna tuned by one section of condenser and feeds directly into mixer-oscillator tube 12SA7 while the other section tunes the oscillator coil. IF channel is 456 kc and uses 2 double-tuned transformers. 12SK7 as IF Amplifier. 12SQ7 as diode detector and first audio, 50L6 "Beam Power" output and 35Z5 rectifier. Contains all parts less wire, solder, tubes.

K10461—Model S-5 Receiver Kit

\$14.45

Your Cost



3-Tube AC-DC Student Kit

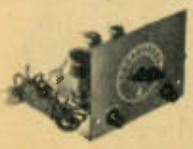
The R-3 is designed for basic receiver training at lowest possible cost. The simplicity of construction and foolproof operation will instill confidence in the beginners mind. Covers 550 to 1500 Kilocycles, 100 volts AC-DC. It uses two 6J5's and one 6SJ7 tube. Supplied complete less tubes, wire, solder and earphones. Anyone can readily assemble and wire one of these little receivers. Instructions packed with each kit.

Simple to construct. All you need is a screw driver, pliers and a soldering iron.

K10460—Model R-3

\$6.15

Your Cost



HY-Q 75 Transmitter Kit

1½-2 meter transmitter kit that any amateur can assemble in an hour. Our engineers have ironed out the "bugs". Maximum efficiency with the popular HY75. All parts are prefabricated. Chart assures quick location of amateur bands. Micrometric tuning. Silver-plated tank circuit. Machined shorting bar. Low-loss inductors. RF chokes. Non-inductive plate blocking condenser. Easy band changing, adjustable antenna coupling loop.

Needs a tube, power supply and a-f unit. Useful power to load 14 w. on CW, 11 w. on phone. Shpg. wt. 5 lbs.

K10458—HY-Q 75

\$9.95

Your Cost Each

K10459—HY-Q 75 assembled

\$11.95

Your Cost Each

HY75 tube for above. Your Cost Each

\$3.95

MEISSNER Students Battery and AC-DC Kits

Standard in many high schools for instruction. "Add-On" kits available to make the two into a three tube model. Broadcast coil with each kit except "Add-On" kits. Shpg. wt. 3 lbs. each.

K10441—2-Tube AC-DC Kit.

Less tubes (2-76's)

Your Cost Per Kit

\$5.29

K10442—3-Tube AC-DC Kit.

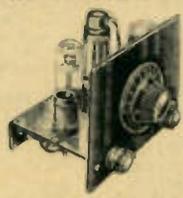
Less tubes (3-76's)

Your Cost Per Kit

\$6.03

K10443—"Add-On" Kit that converts 2-tube AC-DC into a 3-tube AC-DC.

Your Cost Per Kit Less tube (1-76) **73¢**



Famous Meissner Kits

Model 10-1199. This 6-Tube, 2-Band AC-DC kit comes complete with all parts. Kit is ready for assembling. Kit includes tubes, speaker, chassis; no cabinet.

K10463—

Each with tubes **\$24.70**

Model 10-1191. 5-Tube single

band AC-DC kit.

K10464—

Each With tubes **\$20.20**

Both 110V AC-DC 50/60 Cycles.

Accessories for Listed Kits

K10420—70-200 meter plug.

Each **49¢**

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in **\$1.22**

K10422—17-35 meter coils

in **\$1.22**

K10423—545-1500 meter long

wave coil. Each **\$1.22**

K19858—1½ V "A" Battery

33c

K19829—45 V "B" Battery

\$1.80

K19868—7½ V "C" Battery

63c

FOR TUBES SEE PAGES 8 & 9

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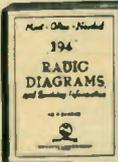
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K20225—Spanish Edition. Covers same material given in the above English edition.

Your Cost **\$3.92**

Servicing Super-heterodynes.



Covers theory of all types of superhets and answers all questions pertaining to their servicing. 288 pages.

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Your Cost

Automatic Frequency Control Systems.

Theory, as well as breakdown analysis in commercial sets. 144 pages.

K20007—Your Cost **\$1.71**

Aligning Philco Receivers.

Vol. 1: Authoritative collection of alignment data covering every Philco set. 176 pages.

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Vol. 2: 1937 to 1941. 200 pages. Postpaid. **\$1.96**

Servicing Receivers by Means of Resistance Measurement.

How to localize set troubles with an ohmmeter. 203 pages.

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Your Cost

The Meter at Work: Book is cleverly arranged with text separated from the illustrations. 152 pages.

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Vacuum-Tube Voltmeters. Includes theory and practice. 180 pages.

K19783—Each **\$2.45**

Vol. 1-5: A new abridged volume taking the place of the five original individual volumes. All the important sets from 1930 to 1935 in one giant 2000 page volume.

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Your Cost

Understanding Microwaves

By Dr. Victor J. Young of the Sperry Gyroscope Research Laboratory who contributed valuable work on radar and early atomic research. Helpful to engineers, students as well as those interested in super-frequencies from the standpoint of service, operation. 400 pages.

K19937 **\$5.88**

Your Cost

Frequency Modulation

More and more F. M. transmitters are going on the air—manufacturers are selling the special receivers and converters for picking up these signals.

This book tells how to service these receivers and converters why and how they operate. 136 pages. 5 1/2 x 8"

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RIDER Text Books

"Hour a Day with Rider"

Start from the beginning with John Rider as your personal instructor and really learn theory and practice. Each book is written in simple language, is sturdily bound and handsomely illustrated. Each text measures 8 1/2 x 5 1/2". A real profit-maker for the serviceman.

K20030—Alternating Currents in Radio Receivers.

K20031—On Resonance and Alignment.

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338 profusely illustrated pages covering theory and application of the C-R tube.

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Just what you have been waiting for! All the dope you need to repair these highly complicated mechanical marvels. You'll be surprised at how easy it is to understand them when you look them up in this new Rider manual.

Sharp, clear pictures illustrate every phase of their operation. A "must" for every service shop. 744 pages, same size as other Rider manuals.

K19642—Your Cost **\$8.82**

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Winter 1946-47 Edition. Contains a complete up-to-date list of all licensed radio amateurs throughout the world. Over 70,000 stations listed. Size: 8 1/2 x 11 1/2". Current

Issue will be shipped.

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Your Cost

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By J. J. Clark, M.E. Explains the use of the slide rule for all purposes as employed by electricians, engineers, draftsmen, mechanics, etc. Covers calculations, circular slide rules, logarithms.

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by V. K. Zworykin and G. A. Morton

A book on radio's newest development written in direct clear-cut English by two of the most famous men in the field. 646 pages. 494 illustrations.

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A comprehensive 72 page book covering tube data, circuit design and transmitter construction. High and low power apparatus. Beautifully printed. 8 1/2 x 11" paper

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(Communications & Electronics Volume) By Harold Pender. For Electrical and Radio Engineers. Contains: Electric Circuits, Tubes, High-Frequency Transmission, Acoustics, Telephony, Facsimile, Television, and Medical Application of Electricity. Numerous tables, charts, circuits, and illustrations.

1022 pages. K19948

Your Cost **\$4.90**

radio fundamentals library

Mathematics For Electricians & Radiomen



By N. M. Cooke. Mathematics for a clear understanding of a.c., d.c., high-freq. and of electron tube operation. Teaches algebra, quadratic equations, logs, trig., vectors as applied to radio and electricity. 3,000 problems, answers with 600 problems answered. Charts, tables, symbols, etc. 604 pages 6x9". Postpaid in U.S.A. **K19888—Your Cost \$4.41**

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By F. E. Terman. Text for radio classes. Requires no knowledge of math. Radio systems, circuit elements, resonant circuits, vacuum tubes, power amplifiers, modulation, transmitters, receivers, antennas, radio aids to navigation, television, acoustics, 458 pages 6x9". Postpaid in U.S.A. **K19896—Your Cost \$3.92**

Principles of Radio



By Keith Henney. May readily be comprehended by high school or trade-school students. Includes lab experiments. Covers detection, ultra-high frequencies, television, RF amplifiers, FM and electronics. 534 pages. Postpaid in U.S.A. **K19736—Your Cost \$3.43**

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Radio Engineering Handbook



By Keith Henney. Latest revisions. Covers everything from electronic and magnetic circuits through television and facsimile. Deals with design, manufacture and operation of radio communication equipment. Contains tables, charts, 836 illustrations and 945 pages. Postpaid in U.S.A. **K19983—Your Cost \$5.88**

The First Radio Book For Boys



By Alfred Morgan. Complete with detailed instructions for setting up crystal and one and two tube sets, phono-oscillators, and amplifiers. Basic theory. International Morse code instruction. Well illustrated. 192 pages 5 x 7 1/2". Directions have been tested. **K19920—Postpaid in U.S.A. Your Cost \$2.45**

A.R.R.L. RADIO BOOKS Radio Amateur's Handbook



The recognized authority on all technical problems on short-wave receivers, transmitters, theory and practice. About 600 pages, crammed with diagrams, expert information, instructions, ultra-high frequencies, "Q" signals etc. This edition also contains special material concerning VHF Receivers, Transmitters, and Antennas, Tube Characteristics, etc. Shpg. wt. 3 lbs. **\$1.25**
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Volume Two. 128 pages of selected practical money-saving ideas. Numerous diagrams and illustrations. **K19981—Your Cost 50¢**

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The law requires that amateurs maintain a log. This one is spiral bound, has 31 log pages, 31 note pages. "Q" signals, graph paper, message number sheet. **K19946—Your Cost Ea. 40¢**

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A comprehensive manual of amateur antenna design and construction. Contains 18 full chapters profusely illustrated. Over 100 pages. **K19721—Your Cost 50¢**

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A thorough, easy-to-read booklet covering the subject of entering the amateur ranks. Explains elementary theory, construction of inexpensive stations, "code" laws, operating procedures, etc. A.R.R.L. publication. Latest revised edition. **K19935—Your Cost 25¢**

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Includes complete questions and answers for the new Class A, B and C examinations. Latest edition. 29 pages. **K19940—Your Cost 25¢**

NOTE: All A.R.R.L. books listed above will be shipped Postpaid in the U.S.A. only (anywhere in the 48 states).

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By J. H. Morecroft. Standard reference book. It is a good book for discerning students of intermediate radio, and it contains much material of historic importance. Fundamental laws, CW, telephony, oscillating circuits, antennas. 1,084 pages. Postpaid in U.S.A. **K19916—Your Cost \$7.35**

Radio Engineering



By F. E. Terman. The latest edition of this comprehensive text on all phases of radio communication. A authoritative treatment of circuit constants, resonant circuit properties, amplifiers, modulation, tubes, transmitters, receivers, etc. Sources of power, propagation of waves, television. 813 pages. Postpaid in U.S.A. **K20221—Your Cost \$5.88**

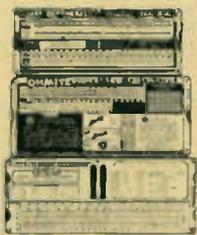
SHURE Reactance Slide Rule

This Shure slide rule simplifies calculation of resonant frequency, capacitive reactance, inductive reactance, Coil "Q" and dissipation factor problems. **K19915—Your Cost Each 10¢**

OHMITE Ohm's Law Calculator. Scales on both sides. Resistance range 0-10 megohms, finds volts, amperes, watts, multiplies, divides. **K19711—Your Cost Each 10¢**

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Slide Rule Calculators



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The latest technical information. A simply written book that covers Noise Suppression, Phono Radio, FM, Television, Tuning, Vibrators and Power Supplies, Tubes, Meters, etc. 392 pages 8 1/2 x 11". **K19780—Your Cost \$1.96**

Electronics for Beginners



By Merle Duston. Last word in its field. No longer need you say "It's too deep for me." Covers primary electricity, magnetism, theory of electronic devices, shop practice, how to build a basic electronic amplifier, how to build phono amplifiers, PA, intercom and radio RF tuner. **K19914—Your Cost 50¢**

RCA Power & Gas Tubes



From RCA, comes this new bulletin covering power and gas tubes for radio and for industry. H-V Power Tubes: air-cooled, forced air-cooled, water-cooled. Voltage regulator tubes: thyra-trons, ignitrons and gas rectifiers. **K19923—Your Cost 10¢**

Measurements in Radio Engineering



By F. E. Terman. Explains completely accepted methods of making all types radio tests, measurements. Scope is wide and treatment of subject thorough, and makes liberal use of circuit diagrams, charts, illustrations. 400 pages. **K20222—Your Cost \$4.41**

Principles of Television Engineering



A practical explanation of television receivers and transmitters. Includes not only fundamental processes but design data and descriptions of modern equipment. Covers television broadcasting and reproduction from camera to receiver. Over 300 illustrations, 541 pages. 6x9". Postpaid in U.S.A. **K19919—Your Cost \$5.39**

First Principles of Radio Communications

By A. Morgan. A concise, readable summary for the beginner. Points obscured in other books made crystal clear here. A complete basic understanding of the principles that make each part of the radio transmitter and receiver work and radio practice. 366 illustrated pages. 5 1/2 x 8 1/2". Postpaid in U.S.A. **K19953—Your Cost \$2.94**



Elements of Radio

By Marcus and Marcus. A streamlined home-study course in basic radio. Covers the exact training needed by radio technicians in all branches of industry and repair services. Requires no previous experience in mathematics or physics. Easy to follow illustrations. 699 pages 6 x 9". **K19962—Postpaid in U.S.A. Your Cost \$3.92**



racks and panels

Sloping Front Steel Chassis



Heavy duty steel chassis finished in black ripple enamel. Have sloping front for mounting instruments, etc. Give the effect of a beautiful open cabinet receiver or amplifier unit when used without top covers. All sizes are 3 1/4" high and have 4" slope front. Three popular sizes.

No.	Top of Base	Bottom of Base	Wt., Lbs.	Your Cost
K22099	7x17"	10x17"	4	\$1.94
K22100	10x14"	13x14"	4	2.15
K22101	10x17"	13x17"	5	2.44

MASONITE Radio and Relay Rack Panels



Tempered Masonite, non-magnetic, sturdy yet easily worked with ordinary woodworking tools. All panels 1/8" thick, finished in black ripple. Relay rack panels have amateur Standard notching.

Stock No.	Rack Panels	Each	Stock No.	Radio Panels	Each
K22277	7 x 19"	\$0.85	K22280	7x10"	59c
K22284	8 1/2 x 19"	1.03	K22281	7x12"	65c
K22285	10 1/2 x 19"	1.18	K22282	7x14"	73c
K22286	12 1/2 x 19"	1.18	K22283	7x18"	88c

GREENLEE Punches



Driven by screw action, this handy tool quickly cuts clean accurate holes for sockets, plugs, etc., in radio chassis. Only necessary to drill 3/8" or 1/2" hole to fit 3/8" or 1/2" cap screw; 5/8" or larger hole to fit 5/8" cap screw. Each size tool consists of the punch, die for the metal and cap screw. Sht. wt. 2 lbs.

K15131	3/8" Complete	Each	\$1.94
K15132	1/2" Complete		
Either Above,			
K15135	Screw for 3/8" and 1/2" Punches. Each.		23c
K15136	1" Complete		\$2.12
K15138	1 1/4" Complete		
K15139	1 1/2" Complete		
K15140	1 3/4" Complete		
K15141	2" Complete		
Any Above,			
		Each	\$2.25

K15142	1 1/4" Complete	\$2.57
K15143	1 1/2" Complete	2.88
K15118	Screw for 1" to 1 1/2" Inclusive. Each	23c
K15146	2 1/4" Complete	\$5.58
K15147	Screw for 2 1/4" Punch	45c

Standard Type Steel Chassis Bases



Black Ripple Finish
Stamped from one piece of No. 20 gauge cold rolled steel. Have four solid sides with welded corners. Bottom edges flanged in on four sides for additional reinforcement, and are drilled for bottom plates.

Stock No.	Size	Wt. Lbs.	Your Cost
K22211	5 1/2 x 9 1/2 x 1 1/2"	2	\$0.59
K22208	5x10x3"	2	.82
K22212	7x7x2"	2	.68
K22213	7x9x2"	2	.79
K22214	7x11x2"	3	.88
K22215	7x13x2"	3	.94
K22216	7x15x3"	4	1.21
K22217	7x17x3"	4	1.18
K22226	10x12x3"	4	1.29
K22209	10x14x3"	4	1.35
K22227	10x17x3"	5	1.29
K22210	10x23x3"	6	1.71

Blank Metal Chassis Bases



Here's your chance to buy all purpose radio chassis, undrilled, at unusually low prices. All have re-inforced spot welded corners for extra strength.

No.	L.	W.	H.	Wt.	Each
K22299	5 1/2"	9 1/2"	1 1/2"	3 lbs.	\$0.62
K22300	5	10	3	3 lbs.	.88
K22301	7	7	2	3 lbs.	.68
K22325	7	9	2	3 lbs.	.82
K22326	7	11	2	3 lbs.	.88
K22327	7	13	2	4 lbs.	.94
K22339	7	15	3	5 lbs.	1.23
K22303	7	17	3	5 lbs.	1.18
K22328	10	12	3	5 lbs.	1.29
K22304	10	14	3	6 lbs.	1.35
K22329	10	17	3	6 lbs.	1.35
K22330	10	23	3	7 lbs.	1.76
K22305	13	17	3	7 lbs.	2.32

Sloping Panel Steel Cabinets



Streamlined cabinets with rounded corners. Compact and rugged. For use as speaker cabinets, oscillator cases, monitors, teletalk systems, small receivers, etc. Both have marine gray ripple finish.

K22097	(left) 4 1/2 x 4 1/2 x 4 1/2"	Shpg. wt. 2 lbs.	Your Cost	\$1.26
K22098	(right) 7 1/2 x 4 1/2 x 4 1/2"	Shpg. wt. 5 lbs.	Your Cost	2.26

Black Rippled Finish Steel Cabinets



Covers removable, held in place by self-tapping screws.

Stock No.	Dimensions	Shpg. Wt.	Your Cost
K22178	4x4x2"	1 lb.	\$0.65
K22179	4x5x3"	2 lbs.	.73
K22180	6x6x6"	3 lbs.	.97
K22181	12x7x6"	5 lbs.	1.82
K22182	15x9x7"	10 lbs.	2.56

General Utility Steel Cabinets



Can be used for a multitude of radio and other purposes. All are substantially made of sheet steel, with spot welded re-inforced corners. The tops and bottoms are removable; held in place by means of self-tapping screws that are furnished. Finished in attractive black ripple.

No.	Size	Shpg. Wt.	Each
K22174	5 1/2 x 6 x 5 1/2"	3 lbs.	\$0.94
K22175	5 x 9 x 6"	5 lbs.	1.41
K22173	8 x 10 x 7"	6 lbs.	1.88
K22176	8 x 10 x 10"	7 lbs.	2.29
K22177	11 x 12 x 8"	9 lbs.	2.50

*Sheet Steel
*Spot Welded Corners
*Removable Tops, Bottoms

Deluxe Speaker Cabinets



The exterior appearance of these speaker cabinets offers every modern refinement. To match other streamlined equipment, the front corners are rounded and neatly trimmed with chrome and red striped moulding. Chrome finished handles are provided for portability. A new modern grille, combined with slate gray ripple finish, completes this very attractive unit.

Stock No.	Hole Size	Speaker Size	Cabinet Size	Shpg. Wt.	Your Cost
K22244	4 3/4"	6"	10x10x6"	8 lbs.	\$4.12
K22246	6 1/2"	8"	12x12x7"	9 lbs.	5.17
K22247	9"	10"	14x14x8"	15 lbs.	6.47
K22248	11"	12"	16x16x8"	20 lbs.	8.53

5 1/4" High Drilled



Black Ripple Finish

No.	Holes	Meter Size	Each
K22222	3	2 inches	\$1.12
K22223	5	2 inches	1.62
K22224	3	3 inches	1.12
K22225	5	3 inches	1.62

Meter Panels

Slate Gray Ripple Finish

No.	Holes	Meter Size	Each
K22259	3	2 inches	\$1.12
K22261	5	2 inches	1.62
K22262	3	3 inches	1.12
K22263	5	3 inches	1.62

Chassis Shearing Punch



Cuts any size odd shape hole (square, rectangular, hexagon, etc.), on any size panel or chassis. Only hammer is necessary. Can be used in a punch press. Wt. 5 lbs.
K15067—Each \$9.70

Table Racks



1/4" steel with black ripple finish. Mounting holes on 1 1/2" centers, tapped for 10-32 screws. Both 20" wide and 12" deep. K22102—25" high. Panel space 21x19".

Shpg. wt. 33 lbs.	Each	\$4.70
K22103	32" high. Panel space 28x19". Wt. 36 lbs.	\$5.88

Black Ripple Finish Steel Bottom Plates

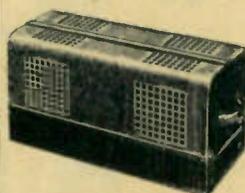
Bottom plates have holes to match the steel chassis listed above.

Stock No.	Size	Wt. Lbs.	Your Cost
K22228	5 1/2 x 9 1/2"	1	\$0.32
K22233	5x10"	1	.35
K22241	7x7"	1	.35
K22242	7x9"	1	.38
K22249	7x11"	1	.44
K22256	7x13"	2	.50
K22258	7x15"	2	.56
K22260	7x17"	2	.59
K22265	10x12"	2	.59
K22264	10x14"	2	.62
K22266	10x17"	2	.76
K22267	10x23"	3	1.03

Zinc Plated Bottom Plates

K22205	5 1/2 x 9 1/2"	1	\$0.32
K22206	5x10"	1	.35
K22207	7x7"	1	.35
K22243	7x9"	1	.38
K22268	7x11"	1	.44
K22269	7x13"	2	.50
K22273	7x15"	2	.56
K22274	7x17"	2	.59
K22275	10x12"	2	.59
K22276	10x14"	2	.62
K22278	10x17"	2	.76
K22279	10x23"	3	1.03

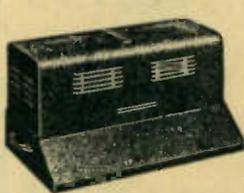
DeLuxe Amplifier Chassis



Chassis is of one-piece cold rolled steel, with reinforced corners. Finished in rippled black; cover in slate gray with polished striped chromium moulding and red striped chromium handles. All covers 6" deep. Chassis drilled for bottom covers (not supplied).

Stock No.	Size	Shpg. Wt.	Each
K22183	5x10x3"	9 lbs.	\$3.15
K22184	6x14x3"	10 lbs.	3.68
K22185	7x17x3"	11 lbs.	4.20
K22186	10x12x3"	11 lbs.	4.20
K22187	10x17x3"	13 lbs.	5.00

Sloping Chassis Units



Deluxe steel amplifier units with sloping fronts on chassis bases. Bases equipped with chrome trimmed handles; top covers have beautiful chrome plated "air gate" ventilating louvers on sides and back. Raised screen openings on top, with red striped chrome moulding. Rounded corners. Marine gray ripple finish. All have 4" slope; bases 3 1/2" high.

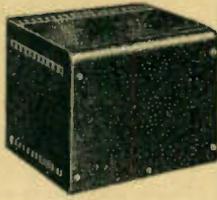
No.	Overall	Bottom	Wt. Lbs.	Each
K22131	7x17x9 1/2"	10x17"	11	\$5.35
K22134	10x14x9 1/2"	13x14"	11	6.03
K22147	10x17x9 1/2"	13x17"	11	6.47

racks and panels

Hinged Steel Cabinets

Employ full piano-hinged doors, and removable front panels. Modern grille type ventilation provided at the sides and back. Front top corner is rounded. Finished in black ripple enamel. All less bases. Wts.: 5, 6, 7, 8, 11, 15 lbs.

No.	H. L. D.	For Chassis	Each
K22072	7 $\frac{1}{4}$ x10 $\frac{1}{2}$ x6"	5 $\frac{1}{2}$ x9 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	\$2.35
K22073	7 $\frac{1}{4}$ x8x8"	7x7x2"	2.35
K22074	7 $\frac{1}{4}$ x10x8"	7x9x2"	2.68
K22075	7 $\frac{1}{4}$ x14x8"	7x13x2"	3.03
K22076	9x15x10 $\frac{1}{2}$ "	10x14x3"	4.85
K22077	12x18x12"	10x17x3"	5.59



De-Luxe Hinged Steel Cabinets

Attractive streamlined cabinets, with full length piano hinge and removable front panel. Ventilating louvres on sides. Finished in slate gray ripple enamel. All less chassis. Wts. same as at left.

No.	H. L. D.	Panel	For Chassis	Each
K22087	8x10x8"	8x8"	7x7x2"	\$2.94
K22088	8x12x8"	8x10"	7x9x2"	3.09
K22089	8x16x8"	8x14"	7x13x2"	3.97
K22090	9x17x11"	9x15"	10x14x3"	6.17
K22091	12x20x12"	12x18"	10x17x3"	7.35



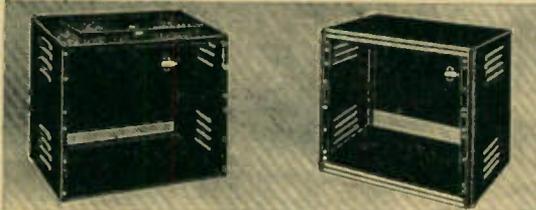
Heavy Duty Type $\frac{1}{4}$ " Steel Chassis With Bottom Cover Plates



One piece $\frac{1}{4}$ " steel. All corners re-enforced. Ends drilled to fit standard mtg. bracket. All black wrinkle finish.

No.	W. L. D.	Lbs.	Each
K22155	8x17x2"	9	\$2.12
K22229	8x17x3"	10	2.35
K22231	11x17x2"	11	2.38
K22156	11x17x3"	12	2.59
K22230	13x17x2"	13	2.79
K22232	13x17x3"	14	3.06
K22237	13x17x4"	15	3.38

Steel Cabinets For Rack Panels



Heavy duty cabinets built of $\frac{1}{4}$ " steel and finished in black ripple Standard and DeLuxe models. Standard models have square re-enforced corners; spot welded joints. DeLuxe models have neatly rounded corners and are decorated with attractive chromium trim. Both types are universally drilled to take all standard 19" rack panels. All have louvres and latch covers. All take chassis 13" deep. De Luxe available with slate gray finish on special order.

STANDARD STEEL CABINETS

Stock No.	Dimensions	Panel Space	Door Location	Shpg. Wt.	Your Cost
K22194	8 $\frac{3}{4}$ x19x14 $\frac{1}{2}$ "	8 $\frac{3}{4}$ x19"	Top Only	20 lbs.	\$6.17
K22070	12 $\frac{1}{2}$ x19x14 $\frac{1}{2}$ "	12 $\frac{1}{2}$ x19"	Top Only	27 lbs.	7.64
K22193	17 $\frac{1}{2}$ x19x14 $\frac{1}{2}$ "	17 $\frac{1}{2}$ x19"	Top & Rear	34 lbs.	11.47
K22192	26 $\frac{1}{2}$ x19x14 $\frac{1}{2}$ "	26 $\frac{1}{2}$ x19"	Rear Only	47 lbs.	12.64
K22190	35 x19x14 $\frac{1}{2}$ "	35x19"	Rear Only	55 lbs.	15.58

DE LUXE STEEL CABINETS

Stock No.	Dimensions	Panel Space	Door Location	Shpg. Wt.	Your Cost
K22158	10 $\frac{1}{2}$ x21x15"	8 $\frac{3}{4}$ x19"	Top Only	22 lbs.	\$9.41
K22071	14 x21x15"	12 $\frac{1}{2}$ x19"	Top Only	29 lbs.	11.47
K22191	19 $\frac{1}{2}$ x21x15"	17 $\frac{1}{2}$ x19"	Top & Rear	34 lbs.	15.88
K22198	28 x21x15"	26 $\frac{1}{2}$ x19"	Rear Only	69 lbs.	17.93
K22199	36 $\frac{1}{2}$ x21x15"	35x19"	Rear Only	73 lbs.	20.29

Enclosed Steel Racks

DeLuxe type, streamlined. Universally drilled for all standard panels. Stainless steel molding trimming at top and bottom. Finished in slate gray. (Black ripple available, specify on order). Panel width 19". Models are 22 $\frac{1}{2}$ " wide, 16 $\frac{1}{2}$ " deep. Hinged back. S h i p p e d knocked down, with all hardware. With 2 locks on rear door.

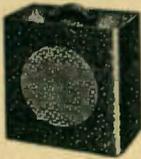


Stock No.	Ht. In.	Panel Space	Wt. Lbs.	Your Cost
K22145	42"	36 $\frac{1}{2}$ "	100	\$27.93
K22146	66 $\frac{1}{2}$ "	61 $\frac{1}{2}$ "	150	39.69
K22148	82 $\frac{1}{2}$ "	77"	175	47.04
K22158*	66 $\frac{1}{2}$ "	61 $\frac{1}{2}$ "	190	55.86
K22159*	82 $\frac{1}{2}$ "	77"	220	67.62

* With front and rear hinged doors.

Cabinets

Made from sheet steel, with louvred back cover with slots for wall hanging. Finished in black ripple enamel.



Stock No.	Size Cabinet	Shpg. Wt.	Each
K22140	8" 10x10x6"	8 lbs.	\$2.82
K22141	8" 12x12x7"	9 lbs.	3.53
K22142	10" 14x14x8"	15 lbs.	4.56
K22143	12" 16x16x8"	20 lbs.	6.03

$\frac{1}{4}$ " Steel Mtg. Brackets

Black Ripple Finish. Panels must be at least 7" high. Mounting holes drilled.



Stock No.	Size, Base	Per Pair	Each
K15271	8"	0.68	
K15270	10"	.91	
K15272	11"	1.00	
K15269	13"	1.21	

Bakelite Radio Panels

Blackbakelite panels. $\frac{1}{8}$ " thick. Also for test instruments, meters, etc.



No.	Size	Wt.	Each
K19600	7x10"	$\frac{1}{2}$ lb.	\$1.32
K19601	7x12"	1 lb.	1.62
K19602	7x14"	1 lb.	1.91
K19603	7x18"	1 lb.	2.41
K19604	7x21"	1 $\frac{1}{2}$ lbs.	2.73
K19605	7x24"	1 $\frac{1}{2}$ lbs.	3.23
K19608	7x30"	2 lbs.	3.97

Heavy Steel Rack Panels, Black or Gray

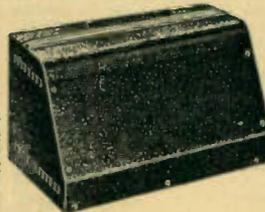
Heavy duty $\frac{1}{4}$ " steel panels for all standard 19" racks. Available with either black ripple finish or with commercial slate gray ripple. These panels don't collect dust—and they don't show finger marks. Available in 12 standard sizes to meet practically any requirement.



Black No.	Gray No.	Ht. In.	Wt. Lbs.	Your Cost	Black No.	Gray No.	Ht. In.	Wt. Lbs.	Your Cost
K22169	K22118	13 $\frac{1}{2}$	2	\$0.59	K22163	K22124	12 $\frac{1}{2}$	12	\$1.56
K22170	K22119	3 $\frac{1}{2}$	5	.68	K22164	K22125	14	13	1.76
K22171	K22120	5 $\frac{1}{2}$	7	.82	K22165	K22126	16 $\frac{1}{2}$	14	2.06
K22160	K22121	7	8	.91	K22166	K22127	17 $\frac{1}{2}$	15	2.23
K22161	K22122	8 $\frac{3}{4}$	9	1.06	K22167	K22128	19 $\frac{1}{2}$	16	2.41
K22162	K22123	10 $\frac{1}{2}$	10	1.29	K22168	K22129	21	17	2.70

Sloping Front Cabinets

Slate gray ripple finish. Front panel removable. Rear with openings for ventilation, leads, etc. Less chassis.



Stock No.	H. W. D.	For Chassis	Shpg. Wt.	Your Cost
K22092	8x8x8"	7x7x2"	6	\$3.09
K22093	8x10x8"	7x9x2"	7	3.32
K22094	8x14x8"	7x13x2"	8	3.68
K22095	9x18x8"	7x17x3"	10	5.29
K22096	12x18x12"	10x17x3"	14	6.76

Roller Trucks for Racks

Designed for use on the deluxe streamlined racks, and have rounded corners at the front with chrome finished red-stripped trim. Castors are of the ball-bearing swivel type with steel or rubber composition wheels. Gray ripple enamel.



Stock No.	Inside Clearance	Wheels	Your Cost
K22130	21 $\frac{1}{2}$ x15 $\frac{1}{2}$ "	2"	\$8.08
K22138	22 $\frac{1}{2}$ x17 $\frac{1}{2}$ "	2"	9.11
K22139**	22 $\frac{1}{2}$ x18 $\frac{1}{2}$ "	2"	10.29
K22149**	22 $\frac{1}{2}$ x16"	2"	10.44

* for 18" deep racks ** for 15 $\frac{1}{4}$ " deep racks

Amplifier Chassis

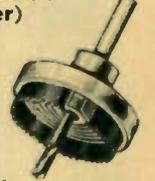
Amplifier chassis and covers, with new decorative grille-type ventilators. Chassis stamped from one piece cold-rolled steel, finished in black ripple. 6" deep and slate gray.



Stock No.	Size	Shpg. Wt.	Your Cost
K22132	5x10x3"	9 lbs.	\$2.21
K22133	6x14x3"	10 lbs.	2.50
K22135	7x17x3"	11 lbs.	3.09
K22136	10x12x3"	11 lbs.	3.09
K22137	10x17x3"	13 lbs.	3.73

MISENER Rotary Hack Saw (Hole Cutter)

Equipped with six blades to cut circular holes from $\frac{1}{4}$ " to 2" in quarter-inch variations. Cuts clean, finished holes up to $\frac{1}{2}$ " deep in steel, sheet metals, cast iron, slate, wood, plaster, plastics, masonite, etc. Blades non-shatterable. All parts are easily replaceable. Ideal for chassis layout work, set or panel modifications, instrument or meter openings, etc.



K14735—Shpg. Wt. 2 lbs. Your Cost Each \$6.95

last minute specials

ELECTRO-GLOW Switch Plate



This new switchplate tells whether the switch is on or off. Will fit any standard toggle switch. For 110-220 volts AC or DC. Has a useful life of over 10,000 hours. Operates at less than 1¢ per month. A cold light, always safe to touch. Standard model. Will fit any toggle switch. Has many uses: Bedroom, nursery, bathroom, cellar, garage, work benches, indicator on factory equipment, dark rooms, used as a signal device. Available in chrome, brown and ivory finishes.

K13240—Electro-Glow Switch Plate, Ivory **69¢**
 K13241—Electro-Glow Switch Plate, Brown, Each
 K13242—Electro-Glow Switch Plate, Chrome, Your Cost Each 79¢

HANDI-GLOW



As a pilot light, Handi-Glow is a constant reminder to disconnect your appliance when not in use. Soldering irons, heating pads, solder pots, heating irons, ovens, immersion heaters, waffle irons, grills—all are illustrations of the countless uses of Handi-Glow in industrial plants, homes, stores, laboratories, etc.

Handi-Glow is economical to operate on AC or DC and on 100 to 220 volts. Only a few pennies a year and over 10,000 hours of faithful service. As a test light, just slip the Handi-Glow on the prongs of any standard plug; plug into wall outlet or socket and the neon glow will indicate voltage. A simple and safe way for testing a line circuit. Designed to be easily transferred from one appliance plug to another. No screws, no adjustments necessary.

K13244—Handi-Glow **49¢** 10 for **\$4.00**
 Your Cost Each

WILLARD 2-Volt Storage Battery



A compact, rechargeable spill-proof storage battery. Takes up just about as much space as an ordinary No. 6 dry cell. Can be ganged for other voltages in multiples of 2 volts. Ideal for many applications in addition to its use as a storage battery for the GE portable. Shipped dry. Shipping weight 4 lbs.

K19821—Willard 2-volt Storage Battery **\$3.95**

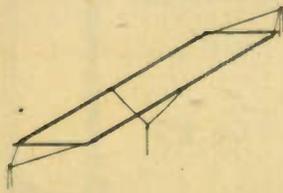
SPRAGUE Photo-Flash Capacitors



A vastly superior photoflash condenser. Built especially for continuous repetitive action. Guaranteed to give a minimum of 10,000 peak flashes. Maximum number of permissible flashes is 1800 per hour. Hermetically sealed, very light in weight, and manufactures with a synthetic impregnant known as Vitamin "Q." They can be used for flash welding and time control circuits where duty cycles other than photoflash conditions prevail.

Stock No.	Cap. Mfd.	DC Peak Photoflash Volts	Watt/Sec. Total	Dimensions			Sprague Type No.	Your Cost Each
				T	W	H		
K2805	10	2500	31	1 1/4"	3 3/8"	4 7/8"	PQ-2510	\$10.00
K2806	15	2500	47	2"	3 3/8"	4 7/8"	PQ-2515	13.08
K2807	25	2500	78	2 1/2"	3 3/8"	4 7/8"	PQ-2525	19.55
K2808	35	2500	109	4"	3 3/8"	6"	PQ-2535	23.81
K2809	15	3000	67	3"	3 3/8"	4 5/8"	PQ-315	14.41
K2810	25	4000	200	4 1/8"	3 3/8"	8 1/4"	PQ-425	30.28

Double Triplex Beam Antenna



A bi-directional broad-band low vertical angle antenna. Two broad lobes at right angles to the line of suspension. Gain achieved by compressing the vertical angle. Each lobe 80 degrees wide. Reliable in rain. Repeated tests show variation in loading to be less than 15% under a down-pour. Simple twin-lead feeder supplied with kit. (100 feet). Rust-proof copper, dural, cadmium plated and galvanized parts used throughout. Mechanically strong. High impedance design affords the same electrical performance using galvanized wire as would be obtained from copper wire, thereby permitting an antenna of superior physical strength. Simple to construct. Complete step-by-step instructions furnished with each antenna kit. Shpg. wt. 12 lbs.

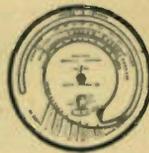
K17139—10-meter Kit with 100 ft. of wire. **\$13.95**
 Your Cost
 K17142—20-meter Kit with 100 ft. of wire. **\$19.95**
 Your Cost

BUD Tuning Dials



For transmitters, receivers, and instruments. Fluted knobs for easy finger grips. Spun finish chromium plated brass. Runs perfectly concentric with the shaft and is well insulated. Lines and numerals are die-stamped for accuracy and filled with black enamel. Dials cover 180 degree arc.

Stock No.	Dial Divisions	With Vernier Indicator		Your Cost
		Diameter In Inches	Inches	
K9774	0-100	2"	1/8"	\$1.18
K9778	100-0	2 1/2"	1/8"	1.28
K9780	0-100	4"	1/8"	1.59
K9781	100-0	4"	1/8"	1.59
With Single Line Indicator				
K9785	0-100	2 1/2"	1/8"	1.06
K9786	100-0	2 1/2"	1/8"	1.06
K9787	0-100	4"	1/8"	1.47
K9792	100-0	4"	1/8"	1.47



CALCULAIDE Frequency Computer

The Calculaide Frequency Computer correlates, in one setting, the natural frequency and wave length of a circuit comprising a coil and a condenser, with the physical dimensions of the coil and the capacity of the condenser. It greatly simplifies the calculations of problems in frequency, inductance and capacity, permitting inductance calculations for widely different physical dimensions of coils. Its range covers frequencies from 2 to 600 meter wave lengths with appropriate inductance and capacity values. Convenient—light yet flexible, it can be used with only one hand. Easily slipped into a pocket. Accurate—readable within 1 percent of the respective quantity, permanent precision assured by non-warping, non-shrinking material. Simple—scales appear on one side of the computer. Contrasting colors make for easy reading. Fast—answers obtained in one setting. Durable—tough, non-inflammable plastic is virtually indestructible, and is unaffected by moisture, perspiration, or ink.

K19741—Calculaide Frequency Computer **\$2.85**
 Your Cost Each



AMPHENOL Miniature Socket Die Punches

For punching special holes for Amphenol connectors, plugs, and receptacles. Used by laboratories, amateurs, and radio parts jobbers. Made of tool steel, properly hardened. Capable of punching from several hundred to a thousand holes.

K15128—LD5 1/4" Flatted Hole Punch, **\$3.53**
 K15129—LD6 1/2" Flatted Hole Punch, Each



Custom Made Lapel Pins

All metal, colored background, chromium plated characters. Any combination, up to 10, of letters or numbers can be made. Specify black, red, blue.

Approx. 2-week delivery.
 K19610—Custom Made Lapel Pins, Your Cost Each **\$1.25**



GORDON Handwheels

Large, easy to manipulate precision controls with raised markings. Ideal for replacement or when building your own equipment.

All scales are chromium plated brass with etched black background. Handwheels are made of bakelite and have 1/4" brass bushings.

Stock No.	Type No.	Handwheel Diameter	Scale Length	Scale Degrees	Your Cost
K12998	300	3 1/4"	5 1/2"	180	\$1.26
K13001	301	2 1/2"	3 3/4"	180	1.11
K13002	320	1 1/2"	3 3/4"	180	1.08
K13003	321	1 1/2"	2"	180	.78
K13006	322	1 1/2"	2 1/2"	270	.84

Handwheels only, less scales.

Stock No.	Type No.	Size	Metal Pointer	Your Cost Each
K13019	308	3 1/4"	yes	\$0.98
K13020	309	3 1/4"	no	.90
K13021	310	2 1/2"	yes	.84
K13025	311	2 1/2"	no	.76
K13026	312	1 1/2"	yes	.68
K13030	313	1 1/2"	no	.60
K13038	314	1 1/2"	yes	.54
K13039	315	1 1/2"	no	.48

1/4" brass bushings in all of the above numbers.



JOHNSON Ceramic Wafer Sockets

Insulated with steatite (Govt. Grade G, wax impregnated). Contacts are cadmium-plated reinforced with cadmium plated steel springs, recessed in the form to prevent movement. All metal parts are countersunk and mounting holes bossed to permit mounting on metal panel without shorting. A socket especially adaptable to the HK 257 and RCA 813 tubes. 247 is similar with an aluminum tube shield.

Stock No.	Johnson No.	Base	Your Cost
K14155	237	7 prong	65¢
K14156	247	7 prong	73¢

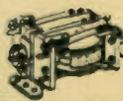


SPRAGUE 120-Watt 10,000-ohm Koolohm Resistor

Insulated wire, ceramic coated. Glazed ceramic coating, end seals. Impervious to thermal shock and corrosion. 120-watt, 10,000 ohm.

K2598—10 for \$2.45 **Each 29¢**

LEACH Relay



This relay has all ceramic insulation. The coil is made for 115-volt, 60-cycles. Ideal for use as an antenna change-over. D.P.D.T., with a separate set of S.P.D.T. contacts for break-in, etc.

K14195—Leach Relay 1177CPB. **\$1.95**
 Your Cost Each

BUD Vernier Dial

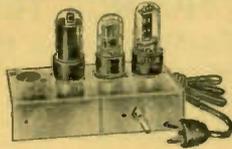


A new and improved precision-built vernier dial of attractive appearance, designed for industrial, laboratory, and amateur radio applications. Freedom from back-lash is obtained by the use of spring-loaded laminated steel gears. Dial scales are printed with five calibration arcs for wave band identification and each arc is divided into five sections over 180 degrees.

Panel mounting area is 5 1/4" x 5 1/4". Depth behind panel 1 1/2". **\$2.85**
 K9773—BUD Vernier Dial, Your Cost Each

3-Tube Phono Amplifier

This is what you've been waiting for! An assembled unit ready for installation. Tubes are one 3Z5, or 35W4 one 12SQ7 or 12AT6, and one 50L6, or 50B5. The audio stages are capacitively coupled. Mounted on a heavy chromed chassis, 3 3/4" deep by 1 1/2" high by 6 5/8" long. Volume control shaft is 1 1/4" long. Octal socket to plug in speaker. Complete with 5-foot cord and tubes. Two models available, with or without tone control. Shipping weight 3 lbs.



K106—3-tube phono amp., less tone control
Your Cost
K108—3-tube phono amp., with tone control
Your Cost

\$5.65
\$6.25

TELETRON Magnetic Deflection Yokes

Best possible deflection medium for latest Television Picture Tubes. Nest-type coil windings give uniform magnetic deflection field. Folded end construction of horiz. coils increase defl. energy at a given coil current. Yokes housed in plastic tubing. Impregnated coils, jacketed by a solenoid-type soft iron wire magnetic shield. Five split term. connection lugs. Horiz. winding c.t. connected to a lug for neutralization, if required. 1 1/2" inside diam., 2 3/4" outside diam., 5 mh horiz. coil inductances, 23 mh vertical coil inductance. Recommended matching transformer step-down turns ratio: horizontal—approx. 2.6:1, vertical—approx. 10:1.



K5515—TELETRON DY-1S, for deflection angles up to 55° for tubes 10BP4, 10EP4, 12EP4, R-6025, etc. Overall length including terminals is 2 3/4".
Your Cost
K5516—TELETRON DY-2L, for deflection angles up to 40° for tubes 5TP4, 9AP4, 12AP4, etc. Length incl. term. 3 1/4".
Your Cost

\$14.75
\$15.75

1.5 MH Deflection Yoke

Construction identical to yokes described above. This yoke is intended for receivers such as RCA TRK-120, etc., requiring 1.5 mh deflection yokes.

K5517—TELETRON DY-4L
Your Cost

\$15.75

TELETRON Blocking Oscillator Transformers

Standard open construction with strap mtg. and color coded leads. Designed to serve, both electrically and mechanically, as direct replacements for most blocking osc. transformers found in commercial television revrs. 1 3/4" high. 2" mtg. ctrs.



K5518—TELETRON OT-101H—Horiz. B.O. trans., for oper. at 15750 cyc.
Your Cost
K5519—TELETRON OT-102V—Vert. B.O. trans. for oper. at 60 cycles.
Your Cost



K5520—TELETRON OT-103H, Horizontal
Your Cost
K5521—TELETRON OT-104V, Vertical
Your Cost

\$4.75
\$3.95

TELETRON Yoke Matching Transformers

Designed specifically to match TELETRON DY-1S and DY-2L magnetic deflection yokes shown at left to outputs of suitable deflecting amplifier circuits. Housed in rounded-corner steel cases finished in black wrinkle. Cans measure 2 1/4" W x 2 3/4" D x 3 3/4" H. Mtg. by means of 4 studs.



K5522—TELETRON YT-111H—Designed to properly match horizontal windings of DY-1S and DY-2L yokes, or other yokes having a horizontal coil inductance of 5 mh. To secure highest possible transformer efficiency, a low-loss "Hipersil" core is utilized. Taps for peaking connection, for controlling return trace time.

K5523—TELETRON YT-113H—Same as above except for conventional transformer iron core.
Your Cost

\$26.40

K5524—TELETRON YT-112V—For properly matching vertical yoke windings of DY-1S, DY-2L yokes. Five different output taps to match vert. defl. coils under wide variety of circuit conditions.
Your Cost

\$12.75
\$10.95

CLAROSTAT Volume Control Kit

An assortment of volume and tone controls with attachable switches, servicing upwards of 95% of standard replacement needs, packed in a neat steel cabinet. Contains 17 controls, 8 switches, 4 glass-insulated flexible resistors. Includes Clarostat Volume Control Selector or cross-index of various brands and types. Shpg. wt. 6 lbs.



K7091—
Your Cost

\$17.79

SHURE Crystal Phonograph Cartridges

5 lever-type cartridges which replace 58 standard types. Exclusive lever principle reduces needle pressure, increases output voltage, gives better tracking. Standard mtg. dimensions. Extra pin, grounding jacks included.



K13428—
Your Cost

\$15.14

GON-SET F. M. Converter

The "GON-SET" F.M. Converter is designed to operate in conjunction with recent model receivers covering the 42 to 50 megacycle band. By attaching the "GON-SET" Converter to the old F.M. tuner or receiver, the new 96 to 104 megacycle band will automatically be available on the old receiver. There are no tuning adjustments or trimmers to set on the "GON-SET" converter—it is factory tuned. Shield has top openings for rapid dissipation of heat. Flanged base has two mounting holes. Complete with one 6C4 tube, necessary wire and instructions.

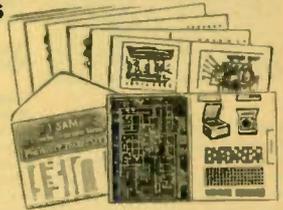


K1721—
Your Cost

\$14.95

SAMSPhotofact Folders

If this is You... Here's "How-to-Do"



No Service Problem Can Stump You When You Use Photofact Folders!

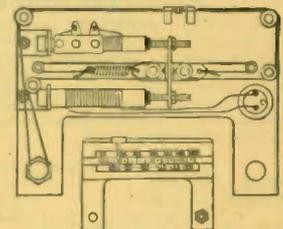
- A Set of PHOTOFAC FOLDERS Gives You
- **Disassembly Instructions.** Photofacts takes the set apart before your eyes. This single feature actually saves the serviceman more time than the cost of a single set of folders.
 - **Dial Cord Information.** "Easy-to-see" diagrams & instructions.
 - **Replacement Parts Information.** Accurate electrical and mechanical specifications of every part in a set.
 - **Record Changer Folders.** Illustrated record changer information. You will be amazed at the simple, logical servicing procedures. Highly technical information made crystal clear.
 - **Changes, Corrections, Additions.** No new data on existing equipment escapes us. We keep you up to date at no extra cost.
 - **Personal Service.** SAMS Institute gives technical information and sends countless schematics to servicemen without charge. SAMS also gives servicemen business aids at no cost.
 - **Continuity, Consistency.** The only continuing, consistent method of locating information. No more waiting or hunting.
 - **Predigested Information.** No more confusion. It's all simplified!

Speed up work, make profits bigger, lick every service problem. Full-page schematics, clear-cut photos, original technical dope tell you everything in a jiffy about every radio manufactured since Jan. 1, 1946. 30 to 50 folders in each set, plus membership in the Howard W. Sams Institute with its many free privileges. Since 10 to 20 new sets of folders are issued each year, you may order set numbers published but not indicated below, and they will be mailed as soon as they are received by us.

K19982—Volume I, Sets 1 to 10, including handsome de-luxe binder with extension feature for adding more sets. **\$18.39**
K20400—Individual sets, specify set number. **\$1.50**
K19986—De-luxe binder only. **\$3.39**

AERMOTIVE Permeability Tuner With 5" Slide Rule Dial

This slide rule dial embodies the latest developments to assure highest efficiency. Construction guarantees durability. This ideal tuner can be used in place of the variable condenser in a superheterodyne circuit. Finished in gold, buff, and brown, while pointer is red. Each unit is pre-tracked at the factory and is ready to use. Complete with an extruded acetate window, hook-up diagram, chassis drilling diagram and instruction sheet. 4 3/4" H x 6" W x 1 1/4" D, excluding 1" long, 1/4" diam. control shaft.

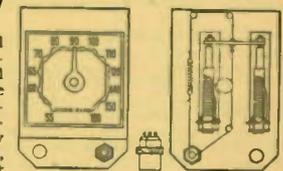


K9915—AERMOTIVE A210
Your Cost, Complete

\$4.05

AERMOTIVE Permeability Tuner

Includes complete broadcast band tuning assembly with dial and tuning drive. A matched oscillator coil is packed with each unit. It may be used in place of the variable condenser and dial assembly in a superheterodyne circuit. Dial is richly finished in gold, buff, and brown, while the pointer is red. Each unit is pre-tracked at the factory and is ready to use, packed in individual box including hookup diagram, chassis drilling diagram and instruction sheet. Dimensions are 4 3/4" H x 3 3/4" W x 1 1/4" D, excluding 1" long, 1/4" diameter control shaft.



K9917—AERMOTIVE A230
Your Cost, Complete

\$2.85

newly developed equipment

LABORATORY TYPE RCA TEST EQUIPMENT



Wide Range Portable Lab Oscilloscope

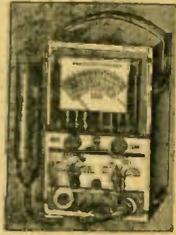
- Flat—10 cycles to 5 mc.
 - Hi-voltage for photography.
 - For hi-speed transients, short pulses, television.
 - Multiple-function controls.
 - Calibrated meter measures comparison volt-ages.
 - Time base voltages and 6.3 volts ac for external use.
 - Ideal for square wave test.
- Vert. Freq. Range**—10 cycles to 5 mc., flat ± 2 db.
Amp. Defl. Sens. 1000V on 2nd anode $\frac{1}{2}$ V/in. peak to peak.
 1500V on 2nd anode $\frac{3}{4}$ V/in. peak to peak.
Horiz. Freq. Range—10 cycles to 500 kc., flat ± 2 db.
Amp. Defl. Sens. 1000V on 2nd anode 1.3V/in. peak to peak.
 1500V on 2nd anode 2V/in. peak to peak.
Vert. Amp. With atten. cable—1 meg. parallel w/15 mmf.
 Direct with cable—1 meg. parallel w/70 mmf.
 Direct (no cable)—1 meg. parallel w/30 mmf.
Horiz. or Sync. Amp.—1 meg. parallel w/50 mmf.
Sawtooth Time Base—20 cycles to 250 kc. per second.
Triggered Time Base { **Max. Speed**—1 microsecond per inch.
Rep. Rate—Single sweep to 50kc/sec.
Blanking—Return trace blanked on triggered deflection.
Power Supply—105-125 volts, 50/60 cycles, 200 watts.

Applications: This portable 3" scope permits close examination of extremely short, sharp-fronted pulses. Ideal for detailed observation and accurate measurement of voltages produced by television synchronizing and deflection circuits, ignition systems, pulse generators, radar equipment and other electronic devices. Waveforms may be expanded to twice the screen diameter. A calibrated voltmeter gives direct voltage readings. The triggered sweep feature is particularly suited for: photographic study of transients, television signal expansion, checking square wave rise time, and for checking irregularly timed pulses. Other unusual features include signal-triggered deflection, line frequency deflection and blanking of the return sweep.

Tube Complement: 3 RCA-6AC7, 3 RCA-6SN7, 1 RCA-6H6, 4 RCA-6AG7, 1 RCA-6SH7, 1 RCA-5U4G, 1 RCA-2K2/879, 1 RCA-OD3/VR150, 1 RCA-3KP1 (cathode ray tube). Supplied with both direct and attenuating input cables. Light blue grey-wrinkle finish. Size: 14 $\frac{1}{2}$ " x 8 $\frac{1}{4}$ " x 18 $\frac{1}{2}$ ". Shipping Weight 50 lbs.
K21675—RCA Type WO-79A—Your Cost \$475.00

High Frequency VoltOhmyst

- 6 Instruments in One!
1. VHF Voltmeter—r-f voltages to 100 V rms up to 17 mc.
2. A-C Voltmeter—a-f to 100 V, 1000 V with multiplier.
3. A-C Voltmeter—to 1000 V with multiplier.
4. D-C Voltmeter - to 100 V in 6 ranges.
5. Ohmmeter—to 1000 meg. on one scale.
6. F-M Indicator—discrim. voltages, monitor, etc.



SPECIFICATIONS

D-C, 6 RANGES: 0-3, 10, 30, 100, 300, 1000 V
A-C, (With probe—0 to 3, 10, 30, 100 V
6 Ranges Probe & mult.—0 to 300, 1000 V
 Using probe directly, 30 cyc. to 250 mc
Frequency Response Probe and leads, 30 cyc. to 30 mc
 Probe and mult., 30 cyc. to 15 kc
Resistance 0 to 1,000, 10,000, 100,000 ohms
6 Ranges 0 to 1, 10, 1,000 megohms
 Equivalent Shunt

Input Imped.	Using probe	At 1 mc	Res. (ohms)	Cap. (mmf)
	10 mc	10 mc	625,000	15.6
	250 mc	250 mc	32,000	14.5
	1 kc	1 kc	1,650,000	13
	10 kc	10 kc	1,650,000	2

Applications: FM and television measurements... all a-c measurements in radio receivers from power transformers to output transformer... d-c measurements directly at the grid, plate, screen or cathode terminal... bias cell voltages... AFC and FM discriminator voltages... AVC voltages... d-c resistances... insulation leakage... oscillator strength, etc. The WV-75A can be used for quick and accurate checking of voltages in h-f lines. A diode probe is supplied and has a standard AN integral female fitting for direct connection to coaxial lines.

Power Supply: 105/125V, 50/60cyc., 15 watts
Description: The WV-75A VoltOhmyst is an electronic voltmeter, employing a newly developed diode probe for reading peak-to-peak r-f voltages up to a frequency of 250 mc. It will also read a-c and d-c voltages up to 1000 volts and d-c resistances up to 1000 megohms. Grey wrinkle finish with brush chrome panel.
 Uses 2 RCA-6K6GT/G, 2 RCA-6AL5, and 1 RCA-6X5GT/G tubes. 9 $\frac{3}{4}$ " x 6 $\frac{3}{4}$ " x 6 $\frac{3}{4}$ ". Shpg. wt. 17 lbs.
K21677—WV-75A Your Cost \$125.00



Wide Range Audio Voltmeter

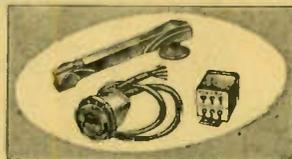
- Excellent response over entire audio range.
- Unvarying meter readings despite line voltage changes or tube replacements.
- Wide range (1,000,000 to 1).
- Overload capacity 1000 to 1.
- Acute sensitivity (.001V ac).
- Logarithmic scale and overlapping attenuator provides accuracy with pointer at either end of scale.
- Can be connected across 1000 volt dc circuits.

Applications: A sensitive electronic instrument designed to measure ac voltages over wide ranges of frequency and amplitude. It may be used to measure response of a-f amplifiers and loud speakers without disturbing their frequency characteristics. The WV-73A measures gain in power amplifiers and ripple voltage in power supplies. It locates distortion in audio components of receivers, phonographs and public address systems. It can measure electrical conductivity of switches, relays, circuit breakers, etc. If desired, the WV-73A can be used as a high gain, high fidelity a-f voltage amplifier. The Audio Voltmeter is ideal for bridge measurements, readily indicating the null point at high or low audio frequencies. By connecting the output to a phototube, the WV-73A will indicate minute variations in light intensity.

Electrical Characteristics: Voltage range—.001 to 1000 volts ac; Frequency range—20 to 20,000 cycles; Input impedance—1 megohm and 25 mmf; Power—105-125V, 50/60 cyc. Supplied complete with cable for connections. Finished in dark cobalt grey with brushed aluminum panel. 13 $\frac{1}{2}$ " x 9 $\frac{3}{4}$ " x 7 $\frac{1}{4}$ ". Shipping Weight 15 lbs.
K21679—RCA Type WV-73A—Your Cost \$175.00

Para-Flux Reproducers

Sets new high standards for performance, flexibility, and dependability. Desirable wherever the most realistic reproduction of transcriptions is necessary. Ideal for broadcast stations—both AM and FM—recording studios, wired music companies, theatres and factories which provide recorded programs as work aids. Response of all models—linear from 40 to well beyond 11,000 cycles per second.



SPECIFICATIONS

Model—Ref. Level	1 MW	6 MW
High Output	Vertical -43db	-50db
	Lateral -53db	-60db
	Universal -53db	-60db

Long Record Life: Mass of moving element only 22 milligrams. Stylus press. 35 grams.
Variable Output Imped.: 30, 250, 500/600 ohms.

Designed for Cuing: "Hair-line" indicator on head and precise stylus construction make accurate cuing possible and permit "back-tracking" without damaging parts.

COMPONENTS

UNIVERSAL HEAD: Gives superior performance where both lateral and vertical reproduction is required from same unit. Permiss useful output should lateral transcription be started if equalizer is left in vertical position and vice-versa. Stylus has 2 mil. radius.

VERTICAL HEAD: Provides best quality of reproduction from vertical ("hill-and-dale") recordings, while discriminating against lateral response. Stylus has 2 mil. radius.

LATERAL HEAD: Designed to provide the best in lateral reproduction while discriminating against vertical response. Stylus has 2.5 mil. radius.

REPRODUCER ARM: Die-cast aluminum. Swings on radius for 16" records. Makes use of unique friction-free bearings that mean less side-of-groove wear and no oiling, cleaning or adjusting! Height adjustment for adapting arm to any turntable platters in use.

EQUALIZER AND SWITCH: For constant equalization over full amplitude range of any recording. 5 switch positions: V-1 vertical full; V-2 vertical with roll-off on high end; L-1 lateral NAB standard; L-2 lateral orthoacoustic; L-3 lateral shellac or work.

Complete Assemblies—Head, Arm, Equalizer and Switch
K183—UL-1DA, with Universal head \$166.50
K186—VL-1DA, with Vertical head \$150.00
K189—LL-1DA, with Lateral head \$120.00

CLARKSTAN

Sweep Frequency Transcription

For Checking Audio Systems and Components



Characteristics: A new method of making instantaneous frequency response runs. Correction factors included; no charts or graphs needed. A vast improvement over the time consuming and laborious tone record formerly used. Now all you need is an oscilloscope and a sweep frequency transcription. A few quick adjustments and the job is done.

Uses: 1. Sweep frequency generator—tests all components of audio systems. 2. For the broadcast engineer—make quick checks of entire transmission system. 3. For production testing of reproducers, amplifiers, transformers, etc. 4. Locates harmonic distortion—seen as a bright irregular line running through the middle of the pattern. 5. Laboratory use—being logarithmic, higher frequencies are swept at a faster rate, permitting observation of transient response. 6. For FM stations—detects dynamic AC axis shift of playback reproducers.

Specifications: Range—60-10,000 cps on 16" records; 70-10,000 cps on 12" records.
Amplitude—constant below 500 cps; velocity constant above 500 cps. Sync pulse 200 microseconds. Rep. rate 20 cps. Freq. marker pulses at 1, 3, 5, 7 & 10 thousand cps. Response 1 \pm db. Vinylite—12" at 78 RPM 16" at 33 1/3 RPM.
K11975—No. 1000A, 12" \$6.60
K11976—No. 100A, 16" \$15.00

last minute specials

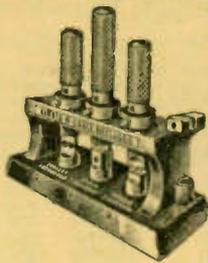
JFD Remote-O-Cable Replacer

The Most Efficient Auto Radio Tuning Cable-Servicing Machine In Use Today!

1. Swedges shafting to prevent unraveling. 2. Cuts shafting to exact length. 3. Replaces old fittings on new shafting. 4. Casing groove makes cutting easy. Completely redesigned to meet modern servicing requirements, this machine is a vital necessity in the workshop of every auto-radio serviceman.

Use Old Fittings On New Shafting—No need to wait for special lengths or odd fittings. **No Delay**—Shafting of any length immediately available. **No Loss Of Heads Or Shafting**—Shafting of any make radio immediately changed to fit any dashboard head. **Front-Rear-Anywhere**—Radio control in any part of the car. **Exact Length Of Shafting Does It**—Maximum tuning efficiency. $10\frac{1}{2}'' \times 4\frac{1}{4}'' \times 13''$. Shpg. Wt. $29\frac{1}{4}$ lbs.

K15055—Your Cost **\$67.50**



Special! Carbon Microphone

Special Signal Corps 200 ohm carbon hand microphone. Made by one of the largest and best known manufacturers to rigid Army specifications. Single button is sealed in a plastic case. "Press-to-Talk" button on side. Hook and metal fittings heavily plated. Furnished with highest quality 5-foot rubber cable terminating in a PL-58 three contact plug. Microphone cover included. Completely moisture and fungus proof. Packed for your protection in heavy metal foil containing bag of dehydrating agent. Quantity limited. Shipping weight 2 lbs.

K13605—Your Cost **\$2.45**



2000 Ohm Headset

A truly sensational value! Genuine Signal Corps HS-16 2000 ohm headset with 5-foot cord for only \$1.89! In original moisture-proof packing. Bipolar magnets, bakelite cap and shell, adjustable headband. Shipping wt. 2 lbs.

K13902—Your Cost **\$1.89**



Single Headphone

An excellent buy. Adjustable headband. D.C. resistance 50 ohms; A.C. impedance 300 ohms at 1000 cycles. Supplied with adjustable headband and 3-foot cord with phone plug PL-55 attached. Bakelite cap and shell. Shpg. Wt. 2 lbs.

K13904—Your Cost **89¢**

PL-55 Plug

Standard Army-Navy type phone plug. Single circuit. Bakelite shell. $1\frac{1}{2}''$ shell, $3\frac{1}{2}''$ overall. Quantity limited.

K6299—Your Cost Each **19¢**
10 for \$1.75



Thigh Clamp Transmitting Key

We have a limited quantity of this spectacular item. A general purpose transmitting key built on a heavy die-cast metal base; all mounted on a swinging bracket thigh clamp. If desired, key can be removed by unscrewing from clamp. $\frac{1}{4}''$ silver contacts. Well insulated. Adjustable bearings. Supplied with 5-foot cable and plug PL-55. Shpg. Wt. 4 lbs.

K14007—Thigh Clamp Key J45 **69¢**
Your Cost, Only



Precision Switches

Light precision units. Require only 4 oz. pressure and .001" travel to operate. Underwriters approved. Rated at 10A 125V A.C., 5A 250V A.C., 3A 460V A.C. SPST type has easily removable cam actuating lever arm (normally open). SPDT has easily removable spring lever arm. Quantity limited.

K12822—SPST 49¢ **K12824—SPST, norm. closed, red push button & alum. mtg. bracket** **49¢**
K12823—SPDT 59¢



$1\frac{1}{4}'' \times 1\frac{1}{4}''$ Fuses



3AG type fuses, $1\frac{1}{4}'' \times 1\frac{1}{4}''$. These are standard fuses made by a well-known manufacturer and are being offered at this special price only as long as the present supply holds out. Available in $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, and $1\frac{1}{2}$ ampere sizes. All are rated at 250 volts. Buy in assorted lots of 100 and save money. Quantity limited.

No.	Amp.	No.	Amp.
K12330	$\frac{1}{8}$	K12337	$\frac{1}{4}$
K12336	$\frac{1}{4}$	K12338	$1\frac{1}{2}$

Any size above—**Your Cost Each** **4¢**
100—Your Assortment **\$3.00**

High Voltage Mica Condensers



High voltage molded mica condensers designed for power amplifiers and low power transmitters. Ideal for grid and plate blocking and R-F bypass. Several standard makes. All have high Q characteristics. $1\frac{1}{4}'' \times 1\frac{1}{2}''$ and up to $\frac{1}{4}''$ thick. Insulated mounting centers, $1\frac{1}{4}''$. Terminal mounting centers, $1\frac{1}{4}''$. Tolerance $\pm 10\%$

Stock No.	Cap. mfd.	Test VDC	Work VDC
K3433	.01	1000	600
K3434	.006	2500	1200
K3435	.01	2500	1200
K3436	.00005	5000	2500
K746	.003	5000	2500

Any Size. **Your Cost Each** **23¢**

50L6 Outputs

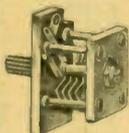
Replacement output transformer for average power sets. High quality, famous make. Channel bracket mtg., $2\frac{1}{2}''$ centers. Shipping weight 2 lbs.

K1610—Your Cost **60¢**
10 for **\$5.40**



Midget Variable

A splendid buy in a midget variable condenser. Ideal for communications receivers and transmitters. Ceramic insulation. Ball bearings on each end. Rotor and stator plates firmly staked in position. 360 degree rotation. $\frac{1}{4}''$ knurled shaft. Approx. capacity 6 to 50 mmf.

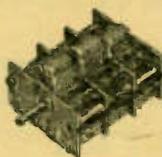


K9708—Your Cost **24¢**
K9708—Your Cost **24¢**
K9713—3 gang **\$3.00**

T.R.F. Variable Condensers

Counter Clockwise Rotation. Here's your chance to get a 2 or 3 gang variable condenser at ridiculous cost! Heavy metal plates on both ends. Ball-bearing rotors and bakelite insulation. Low-loss end plates. Supplied with trimmers on the side of each section. Shafts $\frac{1}{4}''$ diameter, $1\frac{1}{4}''$ long. $1\frac{1}{4}''$ high \times $3\frac{1}{4}''$ wide overall. Each section 420 mmf. Shipping weight 2 lbs.

K9708—2 gang **\$1.29**
K9713—3 gang **1.95**



Oil-Filled Transmitting Condensers

Take advantage of the rapidly diminishing supply of these fine, dependable units. Oil filled—thoroughly impregnated. Besides their convenient size, they are light in weight, have low dielectric stress and insure long life at higher operating temperatures. Sturdy, ceramic insulation at terminals. Double-screw and solder lug on each terminal for best connections. All supplied less mounting feet. Shipping weight 3 lbs.

Stock No.	Cap. Mfd.	Can Dimensions H x W x D in.	D.C. Working Voltage	Your Cost
K4150	4	$3\frac{1}{4}'' \times 2\frac{1}{2}'' \times 1\frac{1}{4}''$	600	79¢
K4151	6	$4\frac{1}{2}'' \times 2\frac{1}{2}'' \times 1\frac{1}{4}''$	600	\$1.49



Special High Voltage Condenser

Cylindrical in shape, this condenser was built to the highest standard of quality. Built to withstand 7500 volts D.C. working, it may be operated continuously at up to 10 percent above this rating. Can is 2" diameter \times $2\frac{1}{2}''$ long. Ceramic insulation protrudes $1\frac{1}{2}''$ above can. Limited quantity.

K4153—0.03 mfd., 7500 V D.C. working **\$1.95**

2-Section "Bathtub" Condenser

A compact superior-grade oil-impregnated condenser. Non-inductive paper sections in a one-piece drawn metal case with soldered bottom plate. 0.25×0.25 mfd. 600 V D.C.

K4156—Your Cost **69¢**



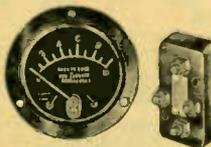
Vibrator Special

Amazing replacement vibrator value. 4-prong non-synchronous. 12 volt. Replaces Mallory G826 or equivalent. Can $1\frac{1}{2} \times 2\frac{1}{2} \times 1\frac{1}{2}''$.

K6023—Your Cost **69¢**



Antenna Current Meter



$2\frac{3}{4}''$ diameter face, white on black scale and numbers. External thermocouple furnished. Meter requires 2" diameter mounting hole, extends $1\frac{1}{2}''$ behind panel. Handles up to 750 ma.

K11402—Wt. 1 lb. **\$1.50**
Your Cost

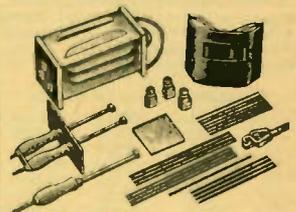
Wire-Wound Resistors

Famous make, machine wound on non-hygroscopic cores.

K5001—8 Watt, 10,000 ohms.	Each 17¢
K5002—25 Watt, 25,000 ohms.	Each 24¢
K5003—50 Watt, 500 ohms.	Each 29¢



TRUTEST Electric Welding Outfit



The complete outfit for welding, soldering, brazing and cutting. Use it at home, in the shop, or carry it with you to the job. It operates from any 110-120 volt line, either a.c. or d.c. It's easy to use, too—anyone can do a good job with a few hours practice. Use it to repair broken garden tools, water tanks and pipes, bicycles, pots and pans and innumerable other pieces of equipment. The welder is SAFE—no fumes, and it's ECONOMICAL—current automatically shuts off when torch is lifted from the work. The outfit comprises: power unit; both metallic and electric flame welding torches; generous supply of metallic rods and carbons; a guard mask; fluxes for various metals; ground wiring and an asbestos block. Shipping weight 15 lbs.

K14869—Complete **\$14.95**
Welding Outfit

R.M.A. resistor specials

Trutest

5 and 10 Watt Wire-Wound Resistors



Tolerance Within 2%

These Trutest resistors are wound with genuine nichrome wire on fine ceramic tubes. Guaranteed accuracy 2%; most are within 1% of their rated value. When ordering, specify size desired.

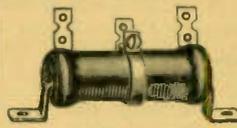
Resistor Values In Ohms

5	300	1750	9000
10	400	2000	10000
15	500	2250	12500
20	600	2500	15000
25	750	2750	17500
50	800	3000	20000
75	900	4000	22500
100	1000	5000	25000
150	1100	6000	30000*
200	1250	7000	40000*
250	1500	8000	50000*

* In 10-watt size only.

K4438—5-Watt Resistors
Your Cost Each, Any Size... 18c

K4439—10-Watt Resistors
Your Cost Each, Any Size... 22c



Trutest Semi-Variable Wire-Wound Resistors

Vitreous enamel coated. Adjustable lugs have small contact buttons so that several taps can be used without shorting out much resistance. Brackets and one slider furnished.

25 Watts (2x 1/2")		50 Watts (4 1/2 x 1/2")		75 Watts (6x 1/2")	
No.	Ohms	No.	Ohms	No.	Ohms
K20740	1	K20770	100	K20800	100
K20741	2	K20771	200	K20801	200
K20742	3	K20772	300	K20802	300
K20743	5	K20773	400	K20803	400
K20744	10	K20774	500	K20804	500
K20745	20	K20775	800	K20805	750
K20746	50	K20776	1000	K20806	1000
K20747	100	K20777	1500	K20807	1500
K20748	200	K20778	2000	K20808	2000
K20750	500	K20779	2500	K20809	2500
K20751	750	K20780	3000	K20810	3000
K20752	800	K20781	4000	K20811	4000
K20753	1000	K20782	5000	K20812	5000
K20754	1500				
K20755	2000				
K20757	2500				
K20759	4000				
K20760	5000				
K20761	6000				
K20762	7000				
K20763	8000				
K20765	10000				
K20795	15000				
K20796	20000				
K20797	25000				

66c, 85c, 73c, 98c, 83c, \$1.10, \$1.22

K20825—Extra sliders to fit any of the above resistors. Each... 5c

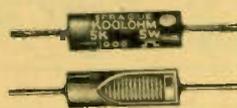
Trutest 1/2 and 1-Watt Insulated Resistors



Improved carbon resistors. Heavy porcelain insulating shells. Impervious to moisture, heat and mechanical strain. Guaranteed accuracy 10%; average 5%. Ideal in congested wiring areas. Resistors may touch without shorting. 1/2-watt units 1/4 x 1/4" dia. 1-watt units 1/2 x 1/2" dia. RMA coded. Approx. 300 units to 1 lb.

1/2-Watt Stock No.	Resist. Ohms	1-Watt Stock No.
K4250	200	K4300
K4245	300	K4348
K4251	400	K4301
K4252	500	K4302
K4253	600	K4303
K4254	700	K4304
K4255	800	K4305
K4256	1000	K4306
K4257	1250	K4307
K4258	1500	K4308
K4259	2000	K4309
K4260	2500	K4310
K4261	3000	K4311
K4262	3500	K4312
K4263	4000	K4313
K4264	5000	K4314
K4265	6000	K4315
K4266	7000	K4316
K4267	7500	K4317
K4268	8000	K4318
K4246	9000	K4349
K4269	10000	K4319
K4270	12000	K4320
K4271	15000	K4321
K4272	17000	K4322
K4273	20000	K4323
K4274	25000	K4324
K4275	30000	K4325
K4276	40000	K4326
K4277	50000	K4327
K4278	60000	K4328
K4279	70000	K4329
K4280	75000	K4330
K4281	100000	K4331
K4282	125000	K4332
K4283	150000	K4333
K4284	200000	K4334
K4285	250000	K4335
K4286	300000	K4336
K4247	400000	K4350
K4287	500000	K4337
K4298	750000	K4353
K4288	1 Meg.	K4338
K4248	1 1/2 Megs.	K4351
K4289	2 Megs.	K4339
K4249	2 1/2 Megs.	K4352
K4290	3 Megs.	K4340
K4291	4 Megs.	K4341
K4292	5 Megs.	K4342
K4293	6 Megs.	K4343
K4294	7 Megs.	K4344
K4295	8 Megs.	K4345
K4296	9 Megs.	K4346
K4297	10 Megs.	K4347

SPRAGUE "KOOLOHM" Resistors



- Guaranteed 5% Accuracy
- New Type of Coating
- No Shorted Turns

EXCLUSIVE Employ new type, completely insulated resistance wire. Insulation has high dielectric strength, withstands red heat and is impervious to moisture. Encased in tubular ceramic shells which permit mounting in contact with metal parts without shorting. Long pigtail wire leads on each resistor. Accuracy guaranteed ±5%.

Resistor Values In Ohms			
Ohms	Ohms	Ohms	Ohms
10	250	2500	20,000
20	300	3000	25,000
25	400	5000	30,000
30	500	7500	40,000
50	750*	10,000	50,000*
75	1000	12,000*	60,000*
100	1250	12,500†	70,000*
150	1500	15,000	
200	2000	17,500*	

*—10 watt only. †—5 watt only.

Type 5K—5 Watts. 1 1/2 x 1 1/2"

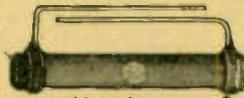
No.	Ohms	Each
K7513	10 to 5,000	30c
K7514	7,500 to 10,000	31c
K7515	12,500 to 15,000	35c
K7516	20,000	39c
K7517	25,000	49c
K7518	30,000	53c
K7519	40,000	60c

Type 10K—10 Watts. 1 3/4 x 1 3/4"

No.	Ohms	Each
K7520	10 to 10M Ohms	34c
K7512	12M, 15M Ohms	38c
K7521	17,500 & 20,000	42c
K7522	25,000	49c
K7523	30,000	53c
K7524	40,000	64c
K7525	50,000	71c
K7526	60,000	88c
K7527	70,000	99c

SERVICER'S SPECIALS!

1/2 and 1 Watt Carbon Resistors



Here's another Lafayette EXCLUSIVE serviceman's offer that helps you to build profits! Our tremendous buying power makes this offer possible—stock up now and save! All are R.M.A. coded and held to acceptable tolerances. Specify stock number of type and resistance desired.

Resistor Values in Ohms									
100	750	3000	12500	30000	80000	250000	1 1/2	Megs.	
150	900	5000	13000	35000	90000	300000	2	Megs.	
200	1000	6000	15000	50000	100000	400000	2 1/2	Megs.	
250	1500	7500	17500	60000	125000	500000	3	Megs.	
500	2000	10000	20000	70000	150000	750000	5	Megs.	
600	2500	12000	25000	75000	200000	1 Meg.	10	Megs.	

100 for... \$2.40
K5239 1/2-Watt Size 3c Each
K5240 1-Watt Size
KIT OF 100 RESISTORS: An assortment of 100 popular resistor sizes. Contains (approximately): 25 1/2-watt, 25 1-watt and 50 1-watt resistors. Shpg. Wt. 2 lbs.
K3848—Kit of 100. Your Cost... \$1.49

10-Watt Adjustable Wire Wound Resistors



High quality vitreous enamel coated adjustable wire wound units. Lug terminals. 1 1/2 x 1/2" O.D.; with mounting brackets. Specify resistance.

Resistor Values in Ohms					
10	50	150	500	2000	5000
25	100	200	1000	2500	10000

K4446—Extra Slider for above... Each 5c
K4445—Each... 25c

Trutest 2-Watt Carbon Resistors



Heavy-duty carbon resistors, absolutely moisture proof. RMA color coded for easy identification; made of the finest material and workmanship. Guaranteed accuracy, 10% plus or minus. The average are within 5%. Resistance values will not vary at normal voltage. Ideal for replacement across small voltage divider sections, bleeders, etc. Also, for public address amplifiers or for test instrument replacement. Size 2" L. x 1/2" O.D.

Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms
K4450	200	K4460	2500	K4469	10000	K4479	70000
K4451	400	K4461	3000	K4470	12000	K4480	75000
K4452	500	K4462	3500	K4471	15000	K4481	100000
K4453	600	K4463	4000	K4472	17000	K4482	125000
K4454	700	K4464	5000	K4473	20000	K4483	150000
K4455	800	K4465	6000	K4474	25000	K4484	200000
K4456	1000	K4466	7000	K4475	30000	K4485	250000
K4457	1250	K4467	7500	K4476	40000	K4486	300000
K4458	1500	K4468	8000	K4477	50000	K4487	500000
K4459	2000			K4478	60000		

Your Cost Each... 9c
12 For... 89c 25 For... \$1.73

1/2-Watt Size
Your Cost Each... 4c
12 For... 38c 100 For... \$2.88

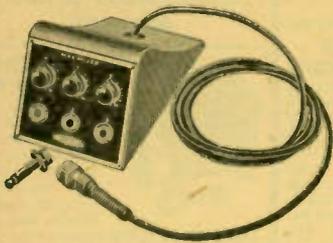
1-Watt Size
Your Cost Each... 5c
12 For... 48c 100 For... \$3.60

Color Code Indicator

Instant calculation of the value in ohms of any R.M.A. color coded resistor. Rule can be set in a moment—readings are accurate. Directions on the indicator.

K3847—Your Cost Each... 10c

"MAX-MIXER"

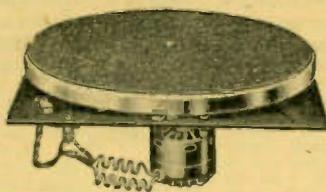


- For
- Orchestras
 - Instrumentalists
 - Vocalists
 - Entertainers
 - Concessions
 - Dramatic Clubs
 - Night Clubs
 - Sound Men

The "Max-Mixer" provides a low-cost method of adding to and mixing up to two more mikes than provided for by regular input of any amplifier. By plugging its cable into the mike input of an amplifier and then plugging one to three high impedance mikes into the "M-M", the user can regulate each mike by a separate volume control. Individual instruments and voices can be blended to any desired proportion. Small enough to be placed on a stand or table near the operator for finger-tip control. Eliminates use of contact mikes which incorporate a volume control. The controls on the "M-M" serve the purpose. The case itself acts as a shield. The duobonet color panel is etched. Six feet of flexible shielded mike cable is provided. Cable has screw-on connector. Separate phone plug adapter is also furnished for use as a phone plug on amplifiers using a phone jack type of input connection. Shpg. wt. 3 lbs.

K13680—Speco "Max-Mixer". \$9.97
Your Cost Each

16" Transcription Player

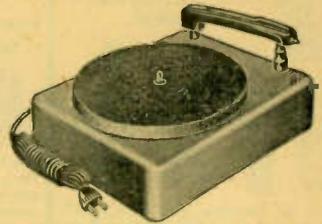


- For records up to 16".
- 2 Speeds, 78 and 33 1/2 R.P.M.
- Constant speed heavy duty motor for silent, smooth operation.
- 105-115 V. 60 cycles AC only.
- Overall size including wood mount, 21 1/2" long, 5 1/2" high, 10" deep. The chassis plate is 10"x16".

This unit is precision built and expertly engineered. It fills the need for an efficient, trouble-free unit at a reasonable price. It is especially well suited for use by wired music studios, broadcast stations, and in the home where superior recorded entertainment is desired. The motor is of the constant speed type, incorporating oversize bronze bearings. It runs cool—no overheating! Full "floating mount" panel so that no metal touches metal. Unit is Underwriters Approved. The drive wheel and idler have special formula neoprene "tires" that are ground for concentricity. These "tires" result in the turntable being driven without slipping. Assures longer life for the unit. Speed control on the panel permits instant selection of desired speed. Switch has center "Off" position. When on "Off" position the drive wheel is disengaged. 16" turntable embodies special reinforced construction similar to an automobile flywheel. The entire assembly is shipped in a sturdy wood frame that can serve as a display or for permanent installations. Finish in dull black lacquer. Shpg. wt. 20 lbs.

K22364—Model TP-16 \$78.80
Your Cost

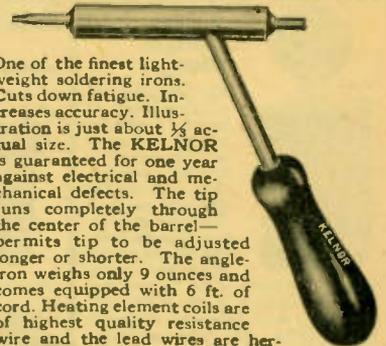
AERO Record Player



This AERO Record player is a quality unit in every respect and measures up to many units in the higher price field. The motor is noiseless, operates on 100-120 volts AC 60 cycles, 78-79 R.P.M. Has a SHURE type crystal pickup P-63, 3/4 oz. Needle pressure. Pickup response is 30-10,000 CPS. The turntable is plastic (a cotton base bakelite) with ball bearing. The case is of one piece drawn aluminum with a hammered brown lacquer finish. The unit has a precious point needle 10,000 play. The "On-Off" switch is mounted on the base. Rubber covered power cord 5' long. 30" shielded amplifier leads with pin plugs. Pressed board bottom with rubber plug feet. Overall dimensions are 12"x10"x3 3/4". Shpg. wt. 6 lbs.

K22257—AERO Record \$11.58
Player. Your Cost

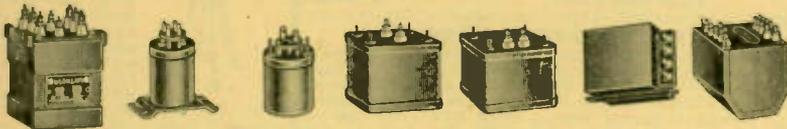
KELNOR Electric Irons



One of the finest light-weight soldering irons. Cuts down fatigue. Increases accuracy. Illustration is just about 1/2 actual size. The KELNOR is guaranteed for one year against electrical and mechanical defects. The tip runs completely through the center of the barrel—permits tip to be adjusted longer or shorter. The angle-iron weighs only 9 ounces and comes equipped with 6 ft. of cord. Heating element coils are of highest quality resistance wire and the lead wires are hermetically sealed in ceramic insulation. Despite its very light weight KELNOR irons are ruggedly constructed to give trouble free service indefinitely. The tube is welded to the barrel. For use on 115 Volts AC or DC.

K14822—Model A3-100 \$4.16
(100 watts). Your Cost
K14834—Model A3-125 \$4.50
(125 watts). Your Cost

RAYTHEON Transformer & Choke Components



K-42, K-48 K-43 K-44 K-45 K-46 K-47 K-49

All these are brand new, hermetically sealed finished in smooth gray enamel.

Filament Transformers

No. Rating Size Each

K42 5-5Vct @ 6.75 amps 3"x5"x6"H \$3.95

5Vct @ 13.5 amps

K49 6.3V @ 22 amps 4 1/2"x4 1/2"x4 3/4" \$3.95

6.3V @ 2.4 amps ct

6.3V @ 2.25 amps

6.3V @ 0.6 amps ct

K48 10Vct @ 13 amps 3 3/8"x5x7 3/4" H \$2.95

7.5Vct @ 2.5 amps

K47 6V @ 2.5 amps 3x4x2 1/2" 89c

All above have 115 Volt Primary.

Chokes

No. Ind. Cur- DC- Size Each

K46 20. 110 340 3 3/4"x4 1/2"x4 1/2" \$1.39

K45 8.5 125 161 3 1/2"x3 3/8"x3 1/2" 1.39

K44 17.5 20 330 1 1/2" round 2" H 89c

Two 500 Ohm Chokes

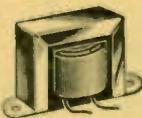
Two 500 ohm chokes in a three quarter inch channel bracket mounting type.

K30—30 henries @ 50 ma.

K29—15 henries @ 500 ma.

Your Cost

Each \$99c



PP 6L6 Output X'former

Here is a very famous make of transformer. It is a 30 watt 6L6 push-pull output type transformer. Has upright mounting. Secondaries of 2, 4, 6, 8, 250, or 500 ohm impedance. Shpg. wt. 6 lbs.

K28—PP6L6 \$4.59

Your Cost Each



Output Transformer

K43 600 ohm line to 1 1/2" round 2 1/2" H 89c
6 ohm V C
+17 DB level.

Government Surplus

An assortment of receiving, transmitting and special purpose tubes at considerable saving to you. These Tube specials will be available to you as long as they last. The quantity is extremely limited so get your order for these valuable tubes in today... don't hesitate!

K41—6AL5 Min. Twin Diode \$0.45

K40—6SH7 HF Amp. Pentode .52

K39—954 Acorn Detector Amp. Pent. .69

K38—1629 Magic Eye (6E5 with 12V fil.) .75

K37—1625 Beam Power PA (807 with fil.) .95

K36—2V3G 1/2 Wave HI Vacuum Rect. .95

K35—7193 (7J22) Cavity Magnetron X'mitting pulse tube. Res. Freq. 3267-3333 mc. 1.00

K34—6AK5 VHF min. 7 pin class A RF Amp. 1.95

K33—EIMAC15E Triode 20 W plate dis. 1.95

K32—3E29 (829 B) Tetrode X'mitting. 4.95

5-Tube Punched Chassis

This Lafayette special is a special of the first order. It is a sturdy all steel chassis which is already for assembly by you. The chassis is punched for five tube sockets, for coils, and for a 5" speaker, and other component parts. Overall dimensions are: 3 1/2" x 8" x 1 1/2". The corners take P-K tap screws for mounting on bottom of cabinet. This is an ideal chassis for a 5 tube AC-DC superhet. Shpg. wt. 2 lbs.

K31—Your Cost Each \$39c



Oil Filled Condenser

These oil-filled condensers are for high-voltage filter applications in high-fidelity Public Address amplifiers, power supplies for short-wave portable transmitters and transceivers. They are rated at 600 DC; working volts. The 2 mfd. unit is 2 1/4 inch long by 1 1/2" in diameter. These condensers have one insulated terminal, the other is the can.

K50—2 mfd. \$59c
Your Cost Each



Coaxial Cable Released by U. S. Govt.



Just arrived at our warehouses a limited supply of coaxial cable especially engineered for the U. S. Government for use by Army, Navy, and Signal Corps. Can be used in television, as test leads and for transmitting energy from x'mitters to antennas. The SUPPLY IS LIMITED so order today. *Armored

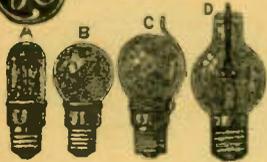
No. R.G. Impedance

K20863	8U	52 ohms	285 O.D.	per foot
K20864	26U	48 ohms	*525 O.D.	9c
K20865	29U	53.5 ohms	.116 O.D.	
K20866	62U	93 ohms	.146 O.D.	
K20867	77U	48 ohms	.415 O.D.	

Battery chargers and tungar bulbs



TUNGAR Bulbs



Used in battery chargers, "A" eliminators, etc. Can replace Rectigon bulbs of equal rating. Individually tested. Shpg. wt. 2 lbs.

No.	Type	Rating	Your Cost
K21900	A	6 amp.	\$2.94
K21901	B	2 amps.	
K21902	C	2 amps.	
K21904	B	5 amps.	
K21903	D	6 amps.	3.67
K21911	D	15 amps.	7.35

Tungar-Type Bulbs

(A)—0.6 amp.	
K21905—Your Cost	\$2.40
(B)—2 amp., less tip.	
K21907—Your Cost	\$2.40
(C)—2 amp., with tip.	
K21906—Your Cost	\$2.40
(D)—6 amp.	
K21908—Your Cost	\$2.94
(D)—15 amp.	
K21909—Your Cost	\$5.88



5-Amp. Tungar Charger

For charging any 6-volt battery at home. Delivers full 5 amperes and tapers off as battery charges, thus preventing damage to cells due to overcharging. Has receptacle for attaching to car and ammeter so that battery can be charged without removing it from car. Complete with tube and all accessories. 110 v., 60 cycles a.c. only. Wt. 13 lbs.

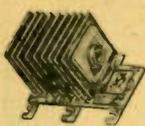
K15699—Your Cost	\$13.72
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Mazda 6-Volt Bulbs

Edison base bulbs for use in 6-volt lighting circuits. Frosted.

K12255—15 watts. Draws 2.5 amps.	
K12256—25 watts. Draws 4.2 amps.	
Your Cost	25¢

MALLORY Rectifier



Type F16C3M Copper sulphide type, replaces old type numbers 16C3, X116, X16, ME116; also can be used to replace types 16C3B, XB16 and M16. For replacement in Mallory chargers and boosters and in many other makes as well. Shipping weight 2 lbs.

K437—Your Cost Each	\$4.02
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Radio and Auto Fuses

Type 3AG: 1 1/2 x 1/4. Pkgs. of 5. May be assorted for quantity price. K13189—Specify

	Pkg of 5	Per 100
1	17¢	\$3.05
3		
5	12¢	\$2.15
10	10¢	\$1.80
15		
20	9¢	\$1.60
25		
30	12¢	\$2.15

MALLORY Battery Chargers

6AC4 Battery Booster

Dry disc rectifier type 4 to 2 amps tapering charge. Has external circuit breaker with quick front reset. Perforated for thorough ventilation. With 6-ft. cord for light socket and a 4-ft. cord with clamp-on receptacle for dash mounting. Dimensions 4 1/2 x 7 1/2 x 3 1/2". Finished in black wrinkle. For 115 volts, 50/60 cycles a.c. operation. Shipping wt. 5 lbs.

K15696—Your Cost	\$7.81
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Model 6AC6 Charger

Delivers 6.4 amperes tapering charge. Employs dry-disc rectifier. Has circuit breaker and large meter indicating rate of charge. Finished in black wrinkle and chromium. Size: 6x8 1/4 x 4 1/2". With 6-ft. a.c. cord 6-ft d.c. cord and receptacle for dash mounting. For 115 V., 50/60 cycles a.c. Shpg. weight 8 lbs.

K15698—Your Cost	\$10.42
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Model 6AC10 Heavy Duty Charger

10 to 7 ampere charging rate which will completely charge a battery overnight. Employs a dry disc rectifier, large meter, circuit breaker, provision for thorough ventilation. With 6-ft. a.c. and d.c. cords, receptacle for dash mtg. 6 1/2 x 10 1/2 x 5 1/4". For 115 V., 50/60 cycles a.c. Wt. 12 lbs. For 6 volt batteries.

K15700—Your Cost	\$13.03
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Model 12AC5 12-Volt Charger

Heavy duty charger for 12 volt batteries as used in aircraft, trucks, boats, buses, etc. Charging rate is 5-3 amperes. Employs dry-disc rectifier, meter, circuit breaker, etc., same as Model 6AC10 above. All other specifications are the same as for model 6AC10. Wt. 12 lbs.

K17217—Model 12AC5 Your Cost	\$18.26
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ELECTROX Battery Eliminator

Type D-02002 Battery Eliminator

A compact space saving unit, designed to supply an output of 1.5 volts at 0.250 amps D.C. operating from the ordinary 110 V., 60 cycle lighting circuit. Consists of transformer of two winding type and full wave copper wire rectifier in metal case 3x2 1/2", with a 4 ft. attachment cord with plug and output terminals. Will provide D.C. for operation of one or two 4 ohm Morse Sounders.

K15689—Your Cost Each	\$6.12
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Type A3V Battery Eliminator

Designed to replace two dry cells the A3V ElectroX Eliminator is capable of wide application in the telephone industry and for commercial and industrial uses wherever 3 V. of D.C. is required. Where added voltage is needed two or more A3V units can be connected in series. Connected directly with the ordinary 110 V., 60 cycle lighting circuit, it delivers a D.C. output of 3 V., 0.15 amperes. Transformer, choke, condenser, and rectifying unit are enclosed in 3x2 1/2" metal can. Supplies noiseless current for the operation of magneto telephone transmitter.



K15688—Your Cost Each	\$4.41
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Model AR-1 Battery Eliminator

Here is the battery eliminator you have been waiting for. An exceptionally high-grade battery eliminator—compact, rugged, dependable—for operating auto radios, and for other applications which require Direct Current with very low ripple component. No attention is required by the serviceman. This ElectroX battery eliminator is ideal for radio servicemen to test automobile radios, or for demonstrating them in salesrooms. The unit is mounted in an attractive, well ventilated steel case, with black wrinkle finish. Overall dimensions are 11 1/2 x 7 1/2 x 6 1/2" high, and weighs 20 lbs. AC input—115 volts, DC output—6 volts at 15 amperes. Has 6-ft. AC cord and plug with heavy binding posts for DC leads. Case has rubber feet for bench or floor service.

K15690—Model AR-1 Battery Eliminator Your Cost Each	\$36.75
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ELECTROX Battery Charger

Model "D" Battery Charger

Ideal for small service stations, garages, farms, radio repair shops and other places where it is necessary to charge from one to three batteries at a time. Easily portable, weighs only 15 1/2 lbs. Simply connect battery clips to terminals, plug A.C. cord into lighting circuit, set pointer switch to number of batteries to charge and the 1-2-3 does the job. Rectifying element is of long life Selenium. No bulbs; no upkeep expense. Selector switch with indicator for three batteries. Thermal

cutout automatically cuts off current if unit is overloaded. Steel case with plastic top. Perforated steel sides for ventilation. With 5 ft. battery leads with clips and 6 ft. A.C. cord with plug. 6 1/2 x 6 1/2 x 8 1/2". 10 amps.

K15691—Your Cost	\$27.44
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ELECTROX Battery Boosters



Models C and B

Now you can home-charge your auto truck, tractor, and other storage batteries quickly, easily, safely, and at a

cost of only a few pennies for current. You can now keep your battery in peak condition. Save the cost of rental batteries and the expense of recharging. You can now charge your battery while it is still in the car—overnight! Selenium plates assure long life and fine operation. No bulbs, no moving parts, no upkeep expense. Ammeter located on top for easy reading. Attractive steel and plastic case. Perforated sides for air-cooling. Thermal cutout automatically cuts off current to prevent overheating. Reset button on top of case. Complete with 5 ft. A.C. cord and plug and 5 ft. cord with battery clips. Size: 6 1/2 x 6 1/2 x 8 1/4". Shipping weight 8 1/2 lbs.

K15692—Model B. Cap. 6 amps. Your Cost	\$12.69
K15693—Model C. Cap. 10 amps. Shpg. wt. 10 1/2 lbs. Your Cost	\$17.15

WINCHARGER Wind-charger With 4-Leg 10 Foot Tower



This 6 V. WINCHARGER delivers 40% more electrical energy over a period of time than other windchargers. A new, specially designed propeller has been carefully matched with the generator so that the highest efficiency is obtained from both. The 6 foot prop is protected by 3 coats of weather resistant varnish. Generator is air-cooled, 120 watt capacity, tower rigidly braced, instrument panel wired for light and battery wires, has ammeter. Shpg. wt. 77 lbs.

K17224—Your Cost	\$44.95
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ACME Battery Chargers

Designed to provide a safe, efficient and practical means of obtaining max. life from storage batteries. Dry-disc charger using a heavy-duty A.C. input voltage step-down transformer. Requires no bulb. Dry-disc rectifiers have operated for periods in excess of 10,000 hours.

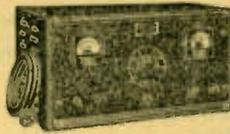
6 ft. cord with battery clips, 6 ft. rubber covered cord with rubber plug for 105/120V. 50/60 cycle A.C. line provided. Thermal-bimetallic switch with manual reset button provides protection against overcharging. Button will "click-out" within 10 seconds after a cell is short circuited.	
K15702—6 amp. 7 1/2 x 6 1/2 x 4 1/2". Shpg. Wt. 12 lbs. Your Cost	\$11.60
K15703—10 Amp. 8 1/2 x 6 1/2 x 4 1/2". Shpg. Wt. 9 lbs. Your Cost	\$13.95

converters, inverters and generators

VARI-PLATER Electro Plater

For plating

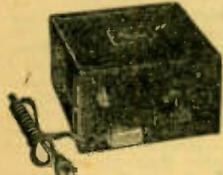
- Gold
- Silver
- Chromium
- Nickel
- Copper
- Cadmium
- On metals
- On non-metals



The Vari-Platers have been designed and custom built to produce a machine which is both simple and easy to operate. Anyone can start their own profitable business or enhance their present one with the use of this unit. It is being used successfully by jewelry and novelty companies, automotive accessory shops, plant maintenance shops, plumbing suppliers, lighting fixture companies, business machines parts shops, gift shops, electrical appliance shops, etc. The variable D.C. voltage ranges from zero to eight by rotating large knob located on front panel and selected voltage is indicated on large D.C. Voltmeter. Several units can be combined to raise voltage or amperage. You get instantaneous DC power with no warm up period, just plug into your 110 V. A.C. 50/60 cycles source. There is no waste of current input—no loss in voltage drop. $13\frac{1}{2} \times 9\frac{1}{2} \times 16$ ". Shipping wt. 65 lbs.

K22599—Vari-Plater Electro Plater, Model K-25 \$125.00
(25 amperes). Your Cost Each

ATR DC to AC Inverters



Models For 6, 12, 32, 110 and 220 Volts D.C.

Especially recommended for use with radio receivers, phono-radio combinations and similar equipment. Exceptionally well filtered. Designed for quiet, long-life operation. Standard models are equipped with ten-contact plug-in vibrators. All models listed below have 110 V. A.C. output. Both Intermittent and Continuous output wattages are indicated. Size of standard model $7\frac{1}{2} \times 8\frac{1}{2} \times 4\frac{1}{2}$ ". Heavy Duty $7\frac{1}{2} \times 9\frac{1}{2} \times 6\frac{1}{2}$ ". Shpg. wt. standard models 18 lbs.

Stock No.	D.C. Input	Volts	Watts	Your Cost
K17242	6	85	75	\$22.44
K17243	12	125	100	22.44
K17244	32	150	100	23.23
K17245	110	250	150	23.23
K17246*	110	325	225	33.52
K17247	220	250	150	24.70

*—Heavy duty model. Shpg. wt. 28 lbs.

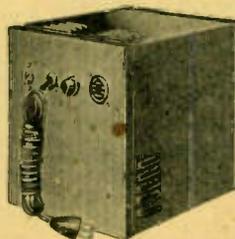
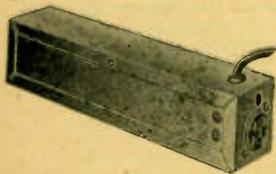
JANETTE Rotary Converters

For operating on 110 volts, 60 cycles AC. Will handle all 60 cycle AC appliances, radios, public address systems, etc., from DC supplies. All of the Janette rotary converters are equipped with radio interference filters. All are specially manufactured to convert DC to 110 volts, 60 cycles AC. As shown in the list below, the Janette converters will handle the following voltage input ranges: 110-115 volts DC; 32 Volts DC; and 220-230 volts DC;—all converted to 110 volts 60 cycles AC



From 220-230 VDC To 110 V. 60 cycles			From 110-115 VDC To 110 V. 60 cycles			From 32 VDC To 110 V. 60 cycles		
Stock No.	Output Watts	Your Cost	Stock No.	Output Watts	Your Cost	Stock No.	Output Watts	Your Cost
K19816	150	\$51.78	K19804	150	\$49.80	K19801	150	\$49.80
K19814	225	59.58	K19809	225	57.60	K19802	300	69.60
K19817	300	71.58	K19805	300	69.60	K19813	500	91.80
K19818	500	93.78	K19815	500	91.80			

E-L Vibrator Inverters

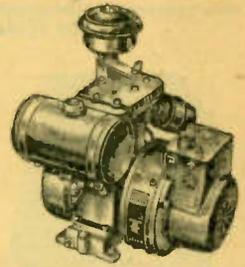


Designed to make possible the operation of standard 115-volt AC equipment and appliances from various DC voltages. For every popular inverter applications.

Stock No.	DC Volts	AC Output Volts	Output Watts	Dimensions in Inches	Wt. Lbs.	Practical Applications	Your Cost
K17231	115	115	150	$9\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{2}$	14	r'c'vrs, xmtrs.	\$23.10
K17232	115	115	250	$10\frac{1}{2} \times 7\frac{1}{2} \times 8\frac{1}{2}$	29	r'c'vrs, xmtrs.	\$4.00

LAFAYETTE Heavy Duty Gas-Electric Plants

- Economical Operation
- Compact Design
- Light Weight
- All Voltages
- Air-Cooled



The new Lafayette Gas-Electric Plants provide a full line of units that fill every heavy duty requirement. They answer the ever increasing demand for generators of greater output with attending low first cost, economical operation and minimum space requirements.

FEATURES:

Capacity: 600, 1000, or 1500 watts. Voltages—32 Volts DC, 110 volts AC. The 32 volt DC plants are designed for use with 32 volt storage batteries, the average charging rate (depending on condition of battery) 600 watt plant, 18 amperes; 1000 watt plant, 25 amperes; 1500 watt plant, 38 amperes. The 110-volt DC and AC plants are for direct connection to load.

Generator: 4 pole, self-excited—mounted on the crankshaft of engine (NO COUPLING). Large fan mounted on the armature assures cool operation and prevents accumulation of dust or dirt. All windings thoroughly impregnated with insulating compound. Large commutator and collector rings. Accurately balanced armature. 1800 rpm. All parts easily accessible by merely removing the end cover.

Engine: 4 cycle, single cylinder L head, air cooled. High tension moisture-proof flywheel magneto. Pump and splash lubrication. Float feed, adjustable carburetor. Flyball type, adjustable fully-enclosed governor, operating in oil. SAE babbit-lined bearings. One piece, special alloy cams and cam gear, heat-treated crankshaft, counterweights drop forged integral with shaft. Alloy steel, completely enclosed valves. Aluminum alloy connecting rod, large split bearing on crank pin. Aluminum alloy piston, fitted with two compression rings and one oil control ring. Oil bath air cleaner. Heat resisting enamel finish.

Starting: Push button electric starting is standard on the 32 volt DC and 110 volt AC plants (12 volt battery required for the electric starting of the 110 volt AC plant) also auxiliary rope-pull starter.

Remote Control Type: Push button starting and stopping from a remote point an optional feature available on the 110 volt AC plants. The remote control feature is built into the plant—not furnished separately. Operates from a 12-volt battery which is included in the price of the remote control feature.

Filter and Shielding: All units listed below are furnished complete with filter and shielding for the operation of radio receivers. There is nothing difficult or complicated about the operation of Lafayette generating sets. At the mere touch of a button or turn of the starting crank, smooth, steady dependable power is made instantly available. Simplicity and ruggedness constitute the keynote of design, and these factors, combined with low first cost and minimum operating and maintenance costs, make Lafayette plants the ideal units for every power supply need. All Lafayette generating sets are designed and built to the highest standards of performance and dependability—the ultimate factors to consider in purchasing power supply equipment. Engines and generators are of ample size to deliver full rated load in continuous service, and to handle reasonable overloads for short periods of time. On many units, up to 50% overload may be carried momentarily (as in starting electric motors) and a 10% to 25% overload for periods up to two hours. The engine employed in every Lafayette generating set is of the most suitable type for the unit—rugged, dependable, easily started, economical in operation. Fuel and maintenance costs, because of highly efficient engines and generators, are exceptionally low. Undue vibration and noise are eliminated by the inherent balance, precision workmanship and scientific design of all Lafayette units. Lafayette units are powerful, dependable, economical. In addition, they are of the newest, most modern compact design, and are extremely light in weight. All are air-cooled for trouble-free operation. This is the ideal unit for electrical power supply where you need it, when you need it most. Will supply electricity anywhere, anytime.

Stock No.	Model No.	Rated Output Watts	Output Voltage	Shpg. Wt.	Dimensions in Inches	Your Cost
K22592	BA-6	600	110 V. AC 60 cyc.	190	$27 \times 22\frac{1}{2} \times 21$	\$199.40
K22593	BA-10	1000	110 V. AC 60 cyc.	225	$27 \times 22\frac{1}{2} \times 21$	281.42
K22594	BB-6	600	32 V. DC	190	$27 \times 22\frac{1}{2} \times 21$	163.65
K22595	BB-10	1000	32 V. DC	220	$27 \times 22\frac{1}{2} \times 21$	205.04
K22596	BA-15	1500	110 V. AC 60 cyc.	475	$40 \times 26 \times 32$	338.32
K22597	BA-20	2000	110 V. AC 60 cyc.	480	$40 \times 26 \times 32$	394.70
K22598	WA-25	2500	110 V. AC 60 cyc.	615	$56 \times 29 \times 35$	445.96

In addition to the units listed directly above, we can supply such accessories and additional equipment as a remote control for starting from remote points, units for kerosene operation, a magnetic regulator, and units for 220 volts, or for 50 cycle operation. Write for prices, or for any additional information on Lafayette units.

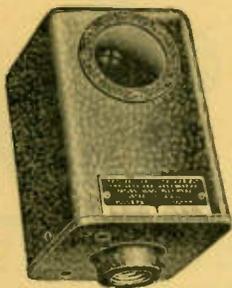
To Speed Handling of Your Order—Use Our Order Blank

135

Industrial electronic controls

Scientific Design · Rugged Construction · Engineered for Industrial Applications

Photo Relay



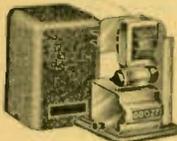
This unit is self contained in a strong crackle finish cast aluminum housing. The width is 3", the depth 3 1/2", the height 5". The base is designed for mounting directly on standard 1/2" electrical conduit. This provides the means of electrical connections as well

as support for the unit assuring good contact for any secondary switching arrangement. The primary supply voltage is 115 V 50/60 cycle AC. Contacts are of pure silver rated at 5 amps. Screw-driver adjustment enables operation up to 35 feet. Tubes used are 1 921 photo and 1 2D21 thyratron. Speed: 1/20 second for operation; 1/4 second for release. Shpg. wt. 4 lbs.

K15860—Type R-010.
Your Cost Each

\$42.00

2-in-1 Photo Relay-Counter



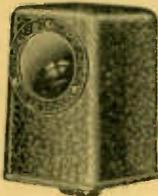
Small and compact, this one unit combines the functions of both a photo relay and electrically actuated digit counter. You need only one unit, no wires. All in one small case, 3"x3 1/2"x5". The

base provides for direct mounting on a standard 1/2" electrical conduit. Ease of installation and dependability make this counter ideal for application to such problems where it is impossible to touch objects being counted or where they are so small you are liable to miss some. Counting mechanism is tamper-proof. Operating voltage is 115 V AC. Two connections 6" below counter base. Operating range is 25 ft. Speed is 400 per minute maximum. Tubes used: 921, 2021. Shpg. wt. 5 lbs. K15861—Type C-010.

Your Cost Each

\$52.50

Electronic Timer



For continuously repeating a definite cycle of time. For time delay-action in timing short intervals. You can also time sequences such as filling tanks, curing operations, heating, spot welding and induction soldering. Fits into a 5"x7"x3 1/2" case. Case designed for

wall mounting. The relay armature is the only moving part in the unit. The timing elements are high quality sealed resistor and capacitor. Timing range is 1/10th second to 60 seconds. Pure silver relay contacts. Operating voltage 115 V 60 cycle AC. Less than 2% variation in repeat cycle timing. With GL-502A Thyratron. Shpg. wt. 4 lbs. K15862—Type T-010.

Your Cost Each

\$36.00

Photocells And Their Application



By Zworykin and Wilson. From their wealth of experience the authors have compiled this highly useful treatise on photoelectricity. Many practical details are given. Theory and practice fully covered. Covers sound, movies, television, facsimile transmission, etc. 348 pages. 2nd Edition.

K19886—Each

\$3.43

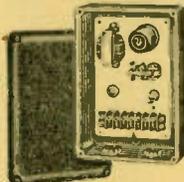
NOTE: The timer design permits complete interchangeability of equipment; that is, machine process calibration for one timer applies to all timers, permitting the use of a standard dial without calibration.

Typical Uses of SPEC0-RHEIN Controls

- Automatic light control
- Production recording
- Burglar alarm
- Safety control
- Switch control
- Smoke detection
- Machine shut-off
- Fire detection
- Turn on and off outdoor illuminated signs
- Valve control
- Open or close doors
- Gas mixture control
- Flame control
- Sorting
- Humidity control
- Counting
- Photo plate exposure control
- Bottle filling control
- Inspection for size
- Inspection for color
- Inspection for weight
- Inspection for finish
- Package wrapping control
- Paint spray control
- Liquid level control
- Liquid flow control
- Paper pinhole detection

Photo-Relays offer automatic protection, reliable control, accurate counting, infallible timing in industry. These units are not in the toy class but are sturdily, accurately made for long time trouble-free operation necessary in industrial use. The units are housed in cast aluminum cases, strong enough to protect them from accidental shock damage. The component parts of these units are of high quality, carefully tested and inspected before assembly. Sensitive relays and highly accurate adjustments are eliminated through incorporation of a positive trip "On-Off" control circuit.

Light Source Unit



This unit is self-contained in a cast aluminum housing which is identical in size and appearance to Photo-Relay units described at top of page left and right. The base is provided with mounting for 1 1/2" electrical conduit. The lens is of 2" diameter and prefocused. No other adjustment normally required. Lamp used is of 21 candle power of the single contact automobile lamp type. Supply voltage is 115 V 50/60 cycle AC. Shpg. wt. 3 lbs. K15864—Type L-010.

Your Cost Each

\$9.00

Accessories For Special Conditions

Infra-Red Filters. These very fine filters make the light beam invisible to the naked eye. K15865—Type F-010.

Your Cost Each

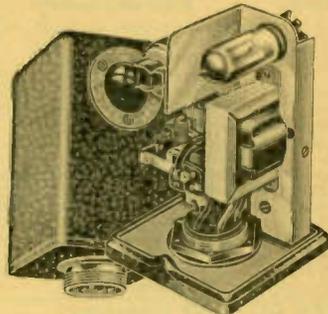
\$1.05

Lens Shield. This lens shield is supplied to replace the lens mounting ring, and is easily installed by removing three screws and using the shield instead of the lens mounting ring. For use when photo relay units are placed out of doors in direct sunlight.

K15866—Type L-010A. Each

\$1.50

Quick Change Photo Relay



This unit has the same mechanical specifications as the R-010 described to the left. The mounting of this unit, the R-011A, is different. A plug-in mount is provided with 5 connecting prongs which plug into a mounting stand. This allows for quick replacement of the entire mechanism in applications where repair time must be kept to the absolute minimum. Height is measured from center of lens to bottom of base. Shpg. wt. 5 lbs. K15858—Type R-011A. 12"

stand. Your Cost Each

\$49.50

Electronic Relay Switch



This unit provides a means of switching an electrical current off-and-on where it is impossible to provide a direct electrical contact to carry the required load. This relay has been designed to obtain a reliable contact from the touch of two conductors

thru which only a very small current may, or can, flow. May be applied where the contact making instrument, or medium, is only a damp thread. It operates on the condensation of moisture between two points located closely together; on a liquid column of mercury such as a contact thermometer, or any conductive liquid such as milk, chemicals, and even distilled water. These features make it possible for this unit to be used as a liquid level control without the use of a float to increase the life of sensitive limit switches, feeler arms or water type relays. Especially adaptable for use with combustibles because of the low voltage and microamperes of current necessary for operation. Designed to mount in case 5"x7"x3 1/2". Operating voltage is 115 V 60 cycles AC. Pure silver relay contacts rated at 5 amps AC non-inductive load. Screw-driver adjustment provides operation over range of probe resistance of 5,000 ohms to 7 megohms. Neon lamps insure correct connection and operation. If an error is made in connection or any changes in supply line, these lamps will glow. Tube used in the circuit is a Type GL-502A Thyratron. Shipping wt. 4 lbs.

K15863—Type S-010.

Your Cost Each

\$28.50

Industrial Electronic Control

A concise guide to the understanding of electronic control circuits for the industrial user. By William D. Cockrell. This book is written to bring to the electrical man a working knowledge of industrial electronics which will form a background for intelligent selling, installing, and servicing of electronic equipment. In a non-mathematical, simple treatment it covers the fundamental facts of electron tube operation and the application of the tube in the basic circuits of industrial electronic control apparatus. 5 1/2"x8 3/4", 247 pages, 175 illustrations.

K19968

Your Cost

\$2.45

GUARANTEE: Speco-Rhein electronic controls are guaranteed against defects in material or workmanship for one year from date of purchase, except tubes, which are guaranteed by manufacturer.

ballast resistors and voltage controls

Line Cord Resistors



Flexible, sturdy cords for AC-DC radios, field supplies, phono oscillators, etc. Voltage drop ratings are at 3 amps. This value subtracted from your line voltage gives voltage applied to tube filaments.

No.	Ohms	Your Cost
K5322	135	
K5332	150	
K5331	160	
K5323	180	
K5330	200	
K5324	220	
K5325	250	
K5329	290	
K5242	310	
K5326	330	
K5241	360	

69¢
Each

Hi-Resistance Line Cord

K5320	560	} \$1.01 ea.
K5304	960	

Universal Resistor Cord



One cord fits any type set. Any normally used resistance from 22 to 330 ohms in one cord. Full instructions included.

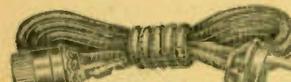
\$1.01
K5321—Each

Special AC-DC Cords With Pilot Light Tap

Like above, but 4-conductors, with pilot light tap. Tinned leads.

Stock No.	Total Ohms	Tapped at Ohms	Your Cost
K5334	165	30	81¢
K5335	180	25	
K5336	200	40	Each
K5337	200	25	
K5339	280	40	\$1.01
K5309	360	80	
K5311	510	80	Each
K5315	560	80	
K5317	960	80	\$1.21
K5318	1950	360	

220 Volt to 110 Volt Line Cord Resistors



European or Standard Plug

For any set up to 7 tubes. American cord equipped with standard male plug and female receptacle; European type resistor cord has foreign plug and standard receptacle.

Stock No.	Total Ohms	Your Cost
K5243	300	1.41
K5319	560	1.41

European Plug Types

K5244	300	1.41
K5333	560	1.41

JFD Continental Adapter

For use in converting American male plug to Continental plug.

K5338—Each **18¢**

JFD Exact Duplicate Ballast Tubes

Precision made. Exact units.

Stock No.	Type No.	Your Cost
K6817	RR782 (GE K26J218)	\$0.65
K6843	R3003G Welster	.65
K6844	C9286 Lafayette	.65
K6846	81973 Pilot	.97
K6849	5459 Belmont-GM	1.29

AMPERITE AC-DC Ballast Tubes

By using these fine regulators, tubes are kept to within 5% of their correct voltage, even if the line varies from 85 to 145 volts. Furnished complete with starting resistor that saves pilot lights and tubes. All KL types are octal base. * indicates special unit.

Any Type Below, Your Cost Each **73¢**

REPLACES ALL AC-DC BALLASTS

No.	Type	No.	Type	No.	Type	No.	Type
K12239	3-40	K12228	E157*	K12236	KL-50H	K12221	KL50E
K12238	4P-45	K12233	KL-25	K12229	KL-50S1	K12450	BKV51DJ*
K12224	165R4*	K12235	KL-24H	K12230	KL-50S2	K12452	100-77*
K12225	200R*	K12232	KL-45	K12223	KL-50S3	K12231	100-70
K12226	250R*	K12237	KL-48J*	K12234	KL-75	K12246	100-79
K12227	320R4*	K12245	KL-75H	K12222	L55B		

REPLACES ALL AC-DC BALLASTS

Type	Beginning With	Numbers	Ending With
KL-25	K, L, M or BK	10 to 36	A, B, C or D
KL-25H	K, L, M or BK	10 to 36	F, G or H
KL-45	K, L, M or BK	36 to 67	A, B, C or D
KL-50H	K, L, M or BK	36 to 67	F, G or H
KL-75	BL or BM	67 to 105	A, B, C or D
KL-75H	K, L, M or BK	67 to 105	F, G or H
KL-50S1	K or L	40 to 100	S1
KL-50S2	K or L	40 to 100	S2
KL-50S3	K or L	40 to 100	S3
KL-50E	K or L	36 to 67	E

Type 4P-45—4 Prong replaces the following types:

50A2	140R8	140L44	LX42B	KX49B	LX49C	KX55C
50B2	140R44	165L4	LX42C	KX49C	LX49D	LX55B
50X3T	140L4	165R8	LX42D	KX49D	KX55A	LX55C
140R4	140L8	165R44		LX49B	KX55B	LX55D

Type 3-40—4 Prong replaces the following types:

5B	50	50XR	140R	165R	185R	KX42A
		KX49A		KX55A		



JFD Step-Down Ballast For Radios

Step-down from 220 V. to 110 V. Permits use of American-built radios with 110 V. circuit in foreign countries with a 220 V. line.

Step-down from 220 V. to 110 V. Permits use of American-built radios with 110 V. circuit in foreign countries with a 220 V. line.

American	Stock No.	JFD No.	Description	Your Cost
			300 Mill Tubes, 300 ohm cold-resistance	
	K7029	458	Amer. fem. and Amer. male	\$1.76
	K7030	459C	Amer. fem. and foreign male	1.76
			150 Mill Tubes, 475 ohm cold-resistance	
	K7031	478	Amer. fem. and Amer. male	1.76
	K7033	479C	Amer. fem. and foreign male	1.76
			150 Mill Tubes, 560 ohm cold-resistance	
	K7034	464	Amer. fem. and Amer. male	1.76
	K7035	465C	Amer. fem. and foreign male	1.76



JFD Adjustable Ballast Tubes

3 Adjustable Ballasts Replace Over 3000 Exact Duplicate AC-DC Resistance Tubes

JFD improved air-cooled adjustable AC-DC ballasts have these improvements: air-cooled perforated shell; larger insulating surface; longer life, heavier resistance wire; exact adjustments made.

K6856—Type A, 8 prong
K6857—Type B, 8 prong
K6858—Type C, 4 prong

Your Cost Each . . . 88¢
Lots of 5—\$1c ea.

Use JFD Ballasts	TO REPLACE AC-DC RESISTANCE TUBES		
	Beginning With	Numbers	Ending With
Type A	K, L, M, BK, BL, BM	6 to 42	A, B, C, D, F, G, H
Type B	K, L, M, BK, BL, BM	45 to 105	A, B, C, D, F, G, H, S1, S2, S3
Type C	All 4 prongs	80 to 350	R, R4, R8, L, L4, L8

Servicer's Kit of 5

5 ballasts: 2 Type A, 2 Type B, 1 Type C ballasts with listing of over 2500 replacements, complete instructions.

K6862—Kit of 5 ballasts, JFD #770

Your Cost **\$4.41**

CLAROSTAT Metal Tube Resistors

Universal type for all AC-DC midgets. Tube will operate regardless of pilot light burnouts; protects condensers and resistors in set. All octal base.

Stock No.	For AC-DC Tubes Beginning with Letters	Numbers From	Ending in Letters	Your Cost
K6842	BK, BL, K, L, M	10 to 23	A, B, C, D	73¢ Each
K6845	BK, BL, K, L, M	23 to 55	A, B, C, D	
K6847	BK, BL, K, L, M	23 to 55	F, G, H	
K6848	BK, BL, K, L, M	60 to 92	A, B, C, D	
K6850	BK, BL, K, L, M	60 to 92	F, G, H	
K6851	BK, BL, K, L, M	92 to 105	A, B, C, D	

FREE: Ballast Guide Book of 32 pages, with every order. K19944—(When ordered separately 5c each.)

Replacement Ballasts

Only popular models listed; others supplied on order. Shpg. wt. 2 lbs.

Stock No.	Type
K6805	Brunswick
K6806	Clarion 51, 53, 55.
K6808	Grebe SK4, HS-5
K6816	Majestic 70, 72
K6818	Majestic 180
K6819	Majestic 90
K6805	Sonora A30-32
K6823	S. W. 900
K6824	S. W. 950
K6825	S. W. R100

Your Cost Each **\$1.29**

AMPERITE Special AC Tubes

Exact units for popular sets.

Stock No.	Amp. No.	For Use In Models	Your Cost Each, Any Above Type
K12455	9-20	Brunswick 14, 21, 31 Brem. Tully S81, S82	73¢
K12456	11-20	Brun. S14, S21 Brem. Tully 82, 84	
K12457	90	Majestic 90 series	73¢
K12605	70	Majestic 70 series	
K12220		Amperite No. 35000—For RCA Part M86892-9	73¢

CLAROSTAT Automatic Line Voltage Regulators



For any 110/120 volt AC receiver not equipped with a line ballast. Compensates for line voltage variations. Wt. 1 lb.

Stock No.	Rating Watts	Tubes in Set	Your Cost
K6811	50	4	73¢
K6812	100	5, 6, 7	
K6813	150	8, 9, 10	Each
K6814	200	11, 12	
K6815	250	2 Type 50	53.37

TRUTEST Ballast Resistors



For use in all AC-DC mid-set sets. The K55 types are for 2-6.3 and 2-25 volt tubes; type K49 is for use with 3-6.3 and 2-25 volt tubes. Shipping weight 1 lb. Any Type Listed Below.

Your Cost Each **59¢**
Lots of 10, assorted **55¢**
Each

Stock No.	Type	Stock No.	Type
K6859	K42B	K8936	100-70
K7026	K42C	K8937	100-77
K7025	K49A	K8938	100-79
K6873	K49B (16040)	K6868	165R4 (X49)
K6874	K49C (16040)	K6869	165R8 (50A2)
K6870	K55B Y-TU-9	K7023	L42B
	3613	K6876	L49B
	115.53		2UR224
K6871	K55C (5536)		69-2033
		K6877	L49C (69-2037)
K7042	K80B (60-92A)	K8935	L49D
		K8941	L55C
K6860	2VR215 L55B		

JFD Replacement Line Cord For Motorola Sets



Eight foot cord containing two resistance elements, 1100 and 280 ohms. Has 4 terminals. Essential replacement for all Motorola portables. Nos. 41D, 51D, 52D, 41H. K5295—JFD No. 2198 Your Cost **\$1.21**

pilot light bulbs and brackets

Candelabra Base 110-120 V. Pilot Lights.

Genuine GE Mazda lamps.
Type S-6. K12258
K12257 8 watts 16c 3 watts 27c
Each. Each.
Type C-7. As above, but cone shape, 7 watts. Available in white frosted.

K12280—**11c**
Each.

Tubular Candelabra Base 110-120 V. Pilot Lamp

New 4-watt lamp for use behind small panel openings, dials, etc. 1/2" diam., 1 1/4" long.
K12272 Your Cost Each... **39c**
10 For... \$3.56

VICTOR Pilot Bulb
Intermediate base, frosted bulb. 110/120 volts. For Colonial, Victor, other receivers.
K12253—**19c**
Your Cost Each...
Carton of 10... \$1.71

Theatre Exciter Lamps

For sound-on-film. Each measures 3 3/8" long, 1" diameter, single-contact bayonet base.
Type Volts Amps.
105 10 5.0
107 10 7.5
854 8.5 4.0
Any Type... **49c**
Your Cost
Type T-5, 15 v., 1 amp.
Your Cost **75c**
Each

Jewelled Pilot Brackets

For amplifiers, transmitters, etc. Faceted jewels, nickel-plated steel. Standard brackets have 1/2" jewel requiring 1/4" mtg. hole. Brackets have 3/8" jewel, 1 1/4" hole. Available with Candelabra 110V., Miniature Bayonet and Miniature Screw base sockets.

Standard Size
Base Stock No. Stock No.
Type Green Red Amber
Min. Ser. K6433 16c K6432 16c K6434 16c
Min. Bt. K6456 18c K6454 18c K6458 18c
Cand. K6427 19c K6426 19c K6428 19c

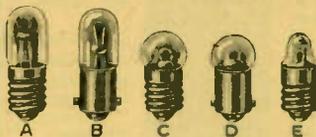
Faceted Jewels Only
K6430 12c K6429 12c K6431 12c
Assembly with 3/8" Jewel
Min. Ser. K6330 35c K6331 42c K6332 35c
Cand. K6333 35c K6334 42c K6335 35c

Front Removable Jewel Brackets

For test panel mount in 1 1/4" hole. 3/8" jewel removable; bulb can be replaced from front. Miniature screw base. Tubular bulbs.
K6416—Red K6417—Green
K6418—Amber K6425—Opal
Any Type, **27c**
Each.
Same, but Miniature Bayonet base.
K6408—Red K6409—Green
K6410—Amber K6411—Opal
Any Type, **27c**
Each.

Giant 1" Jewel Brackets
1" diam. faceted jewels. Candelabra takes 3 or 6 watt 110V. bulb.
Color Can- Minia- Bay-
delabra delabra onet
Red K6403 K6404 K6405
Opal K6321 K6324 K6327
Green K6322 K6325 K6328
Amber K6323 K6326 K6329
Any Type Above, **59c**
Each.

Genuine EVEREADY Pilot Light Bulbs



Both pilot and flashlight type bulbs are listed below. 6-8 volt bulbs are for 6.3 volt receivers. Bead colors aid in identifying bulb types. Eveready bulbs are standard in most makes of radios.

Tubular Bulb, Miniature Screw Base (A)									
Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For		
K12274	48	Pink	2.0	.06	15c	\$0.95	\$8.55		
K12250	41	White	2.5	.50	9c	.58	5.22		
K12251	42	Green	3.2	.35	12c	.78	7.02		
K12254	40	Brown	6-8	.15	9c	.58	5.22		
K12252	46	Blue	6-8	.25	9c	.58	5.22		

Round Bulb, Miniature Screw Base (C)									
Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For		
K12273	50	White	6-8	.20	10c	.64	5.76		

Tubular Bulb, Miniature Bayonet Base (B)									
Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For		
K12260	43	White	2.5	.50	9c	.58	5.22		
K12259	49	Pink	2.0	.06	15c	.95	8.55		
K12283	45	White	3.2	.35	12c	.78	7.02		
K12249	44	Blue	6-8	.25	9c	.58	5.22		
K12284	47	Brown	6-8	.15	9c	.58	5.22		

Round Bulb, Miniature Bayonet Base (D)									
Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For		
K12261	51	White	6-8	.20	8c	.51	4.59		
K12285	55	White	6-8	.40	8c	.51	4.59		

FLASHLIGHT BULBS

G-3 3/4 (C) is small round. G-4 1/2 (C) is large round. TL-3 (E) is lens bulb. P-3 1/2 (not illustrated) is pre-focussed miniature flange type bulb.

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For		
K12200	13(G-3 3/4)	Green	3.8	.30	9c	\$0.58	\$5.22		
K12201	14(G-3 3/4)	Blue	2.5	.30	9c	.58	5.22		
K12202	605(G-4 1/2)	Brown	6.0	.50	10c	.64	5.76		
K12203	222(TL-3)	White	2.2	.25	9c	.58	5.22		
K12204	112(TL-3)	Pink	1.1	.22	9c	.58	5.22		
K12205	233(G-3 1/2)	Purple	2.3	.27	9c	.58	5.22		
K12206	PR2(P-3 1/2)	Blue	2.4	.50	13c	.82	7.38		
K12207	PR3(P-3 1/2)	Green	3.6	.50	13c	.82	7.38		
K12208	263X(G-3 1/2)	Blue	2.6	.30	10c	.64	5.76		

General Electric Neon Glow Lamps

Useful as indicators on panels, in test equipment and many other purposes. Low current and long life—over 3,000 hrs.

T-2	T-3 1/4	T-4 1/2	G-10	S-14
NE-2	NE-51	NE-48	NE-45	NE-30
NE-36				

Bayonet Base Types—No Resistor

Stock No.	Lamp No.	Current M.A.	BULB	Base	Length	Watts	Your Cost Each	Box of 10
K12240	NE-2	0.3	T-2	NONE	1 1/4"	1/25	\$0.08	50.72
K12241	NE-51	0.5	T-3 1/4	Min. Bay.	1 1/2"	1/25	.10	.90
K12268	NE-48	2.0	T-4 1/2	D.C. Bay.	1 1/2"	1	.35	3.18
K12242	NE-16	2.0	SEE NOTE BELOW		3/4"	1	.42	3.78
K12243	NE-17	2.0	T-4 1/2	D.C. Bay.	1 1/2"	1	.45	4.00
K12270	NE-32	10.0	G-10	D.C. Bay.	2 1/4"	1	1.45	4.00
K12271	NE-36	20.0	S-14	D.C. Bay.	3 3/4"	2	.54	4.88
K12244	NE-42	30.0	S-14	D.C. Bay.	3 3/4"	3	.63	5.76

Note: NE-16 (similar to NE-48) meets JAN 1A Spec.

Screw Base Types—For 105-125 Volts

K12264	NE-45	T-4 1/2	Cand. Scr.	1 1/2"	3/4"	.39	3.56
K12247	NE-57	T-4 1/2	Cand. Scr.	1 1/2"	3/4"	.39	3.56
K12266	NE-30	G-10	Med. Scr.	2 1/2"	1	.39	3.56
K12267	NE-34	S-14	Med. Scr.	2 1/2"	2	.49	4.43

Screw Base Types—For 210-250 Volts

K12248	NE-58	T-4 1/2	Cand. Scr.	1 1/2"	3/4"	.39	3.56
K12275	NE-56	G-10	Med. Scr.	2 1/2"	1	.39	3.56

NOTE! All above prices include all Federal Excise Taxes.

2-Contact Bayonet Metal Shell Sockets

Base Mtg. 1 1/4" diam., 1 1/4" high. Bakelite base. Screw terminals.
K13332 Each... **39c**
Flush. Requires 1 1/4" hole plus mtg. holes 1 1/4" apart.
K13389—Each... **25c**

Trutest Bull's Eye



Takes candelabra base bulbs type S-6. For panels up to 1/2" thick.
1" diameter glass jewel with set of 4 color discs—red—green—amber—white. Polished chrome. Jewel bezel.

K14174—**70c**
Your Cost
K14175—Similar to above, but with red or green faceted 1" jewel. Specify color.

K14176—Same but with miniature base. Either Type, Your Cost **70c**

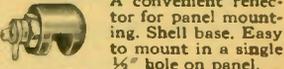
1" Enclosed Pilot Light



Underwriters Approved single unit socket assembly unaffected by heat. All porcelain and brass construction. For standard S-6 lamp, removable from front of panel. 1" hole for mounting. Faceted red or green jewel in chromed brass.

K14140—Red Jewel
K14141—Green Jewel
Either Type, Your Cost **85c**

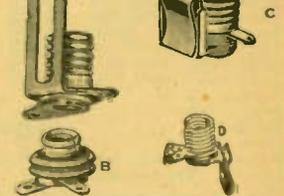
JOHNSON Panel Light



A convenient reflector for panel mounting. Shell base. Easy to mount in a single 1/2" hole on panel. Removable reflector casing. Reflector of stainless steel.

K6436—**47c**
Your Cost Each

Pilot Light Sockets Miniature, Candelabra, Bayonet Base



Miniature 12c each	Bayonet 12c each	Candelabra 11c each
10 for \$1.14	10 for \$1.14	10 for \$1.05
100 for \$10.80	100 for \$10.80	100 for \$9.75
A K6510	A 6488	A K6539
B K6511	B 6489	B K6557
C K6512	C 6490	C K6540
D K6513	D 6514	D K6564

Pilot Light Sockets



Underwriters style sockets with fibre insulation. 12" leads. Bayonet type only.

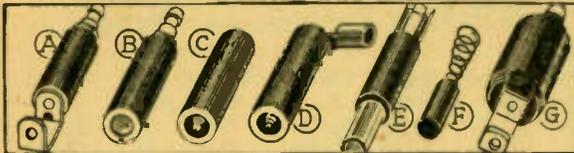
K6491—Type (B)
K6493—Type (C)
K6494—Type (D)
Any Above, Each... **18c**
10 For (May be assorted)... \$1.62

Porcelain Receptacles

A sturdy porcelain receptacle for use with pilot lights or neon glow lamps. Two screws provide secure fastening of lead-in wires. Mounting holes are spaced on 1 1/2" centers except K13327, which has 2" mounting centers.
K13331—Candelabra... 8c Ea.
K13330—Miniature... 10 for 72c
K13327—Edison... 11 1/2c Ea.
10 for \$1.04

auto radio accessories

Trutest Auto Radio Suppressors



High quality suppressors housed in black molded cases. All popular types are shown and listed.

- | No. | Type | Description |
|-------|------|--|
| K5283 | A | Standard Spark Plug |
| K5246 | A | Special for Ford V8 |
| K5278 | B | Compact Spark Plug |
| K5247 | B | Compact Spark Plug Type for Ford V8 |
| K5253 | C | Cable Type for Buick |
| K5285 | D | Elbow Cable Type |
| K5279 | E | Standard Distributor |
| K5293 | F | Distributor Type for Ford 1936 and earlier |
| K5277 | F | Distributor Type for Ford 1937-'38-'39-'40 |
| K5256 | * | Elbow Type for 1938 Plymouth |
- 10 For..... \$1.08 **12c Ea.**
 *Like "A", with elbow connector.

Wire Wound Units (G)

Most efficient type. Do not impair motor efficiency. Low d.c. resistance, high inductance. Act as r.f. choke. Extra rugged. K5296—Spark Plug Type
 K5297—Distributor Type
Either Type, Each..... 35c
 10 (Assorted) For..... \$3.15

Master Distributor Unit

Hermetically sealed; impervious to moisture and heat. Eliminates need for other suppressors. D.C. resistance is 10,000 ohms.
 K5284—Each..... **44c**
 5 For..... \$1.95

Camburn Auto Aerials

3 section auto aerials. Admiralty brass tubing, triple chrome plated with stainless steel rod top section. Moisture proof, unbreakable insulators. With 30" lead. Wt. 2 lbs.

- K17145—26"-66"
 Your Cost **\$2.05**
 Each
- K17146—36"-96"
 Your Cost **\$2.59**
 Each
- 4 section aerial similar to one above. Low loss lead.
 K20411—30"-100"
 Your Cost **\$3.23**
 Each

Fender or Top Cowl
 K20463—22"-56"
 Your Cost Each..... **\$3.50**

"Swivel" Fender or Side Cowl Mount

Non-breakable porcelain, 2 hole mtg.
 K20466—3 sections to 68"
 Your Cost **\$4.26**
 Each

ROYAL Underhood Aerials
 Bakelite, 3 sect., low loss lead.
 K21946—26"-66"
 Your Cost Each..... **\$2.65**

K21947—26"-96"
 Your Cost Each..... **\$3.23**

ICA Disappearing Antenna

For cowl, fender mount. Bakelite plated brass. 4.8" shielded cable. 11 lbs.
 K20495 **\$4.38**
 3"-50"

ICA Topper Antenna

3 section aerial. Admiralty brass. 4.8" cable. 10 lbs. 20"-63".
 K20497— **\$3.79**
 Each

Ammeter Condenser

Eliminates noise in ammeter, horn, etc. 10 For \$2.07
 K14218— **23c**
 Each

Vibrator Condensers

Oil impregnated. Rated at 1600 volts. Small square metal cans are 1 1/2 x 1/2 x 1/4".

No.	Mfd.	No.	Mfd.
K3240*	.007	K3244	.01
K3242*	.02	K3241*	.01

Your Cost, Any Type..... **28c**
 In lots of 10 (Assorted)..... \$2.54
 *Have two leads—others, one.

ICA Side Cowl Antennas

Of heavy triple chrome plated Admiralty brass. Lifetime guarantee. With static discharge tip. Telescopic joints. Sturdy bakelite insulator. 36" heavy shielded cable. 3 sections. Wt. 12 lbs.

- K20479—23 1/2"-70"
 Each..... **\$3.23**
- K20481—31 1/2"-93"
 Each..... **\$3.50**

ICA Uni-Mount Antennas

These 3-section antennas need no drilling. Underhood mtg., 2 brackets supplied. Fits all cars, static discharge tip, triple chrome plated Admiralty brass, bakelite insulator. 36" shielded cable. 16 lbs.

- K20482—23 1/2"-72"
 Each..... **\$3.23**
- K20483—31 1/2"-96"
 Each..... **\$3.50**

ICA Rocker Antenna

A new swivel antenna. Fits convex or flat surfaces of every type of car. Admiralty brass, triple chrome plated, weather-proof. Bakelite insulator is tamper, weather proof. 48" shielded cable.
 K20491—23"-49"
 2 Section Each..... **\$2.94**

K20494—23 1/2"-72"
 3 Section Each..... **\$3.38**

All ICA antennas are equipped with Motorola and Delco fittings.

Dome Light Filter

Has condenser-choke. 10 For \$2.79.
 K14208— **31c**
 Each

FORD V8 Condensers

K14219—Type A. For V8 models up to 1936. Your Cost **26c**
 10 For \$2.35 **26c** Each

K14199—Type (B) for '37 to '41. 10 For \$2.35 **26c**
 Your Cost Each..... **26c**

Auto Radio Cable Fittings

Plug Connectors

- K21810—(A). For Motorola lead-in. **8c**
 Your Cost
- K21800—(B). For Motorola, with adapter for standard lead-in. **18c**
 Your Cost
- K21809—(C). For '39 Buick lead-in. **11c**
 Your Cost
- K21799—(D). For '39 Buick, adapter for stand, lead-in. **20c**
 Your Cost
- K21797—(F). Bayonet female fitting one end, receptacle for tip plug on other end. **20c**
 Your Cost
- K21798—(E). Bayonet male fitting one end, receptacle for tip plug other end. **20c**
 Your Cost

Cable and Housing



Finest quality cable for auto radio remote controls. Cable ends swaged—cannot unravel. Shpg. wt. 1 lb. per foot.

Cable Only.		Cable and Steel Housing	
.130" No.	.150" No.	Length	Each
K8299	K8433	18"	37c
K8300	K8434	24"	47c
K8301	K8302	30"	60c
K8303	K8435	36"	68c

Wheel Static Eliminator

Eliminates front wheel noise. Easy to install. Rust proof.
 K5294—10 For **63c**
 Your Cost Each..... **7c**

LITTELFUSE Auto Fuses

Type 3AG. 25v. 1 1/4 x 1/4".
 Your Cost

K12320—5 amps.	3 1/2c ea.
K12321—10 amps.	
K12322—15 amps.	
K12323—20 amps.	

Antenna Connector

Two-piece metal container, fibre inside insulation.
 K16714—12 For **65c**
 Your Cost Each..... **6c**

Generator Condensers

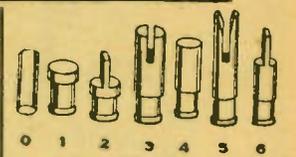
Standard auto radio condensers designed to eliminate generator noise. Fully shielded. Dirt and oil proof.

No.	Mfd.	Each	10 For
K14220	.25	20c	\$1.80
K14215	.5	23c	2.07
K14216	1.0	36c	3.24

K14198—Similar to above, but Dual; 2—.5 mfd., 2 leads. **51c**
 Your Cost

MOTOROLA 65 and 70 Condenser

High voltage condenser. Consists of two .0008 mfd. 1000 volt units in a single housing. Four leads. Made by Sprague.
 K14207—Your Cost Each **40c**
 5 For..... \$1.80



No.	No.	Type	Each
K8414	K8312	0	7c
K8415	K8313	1	
K8421	K8319	7	
K8416	K8314	2	
K8418	K8316	4	8c
K8422	K8320	8	
K8411	K8323	11	12c
K8417	K8315	3	
K8419	K8317	5	
K8420	K8318	6	
K8423	K8321	9	12c
K8424	K8322	10	
K8329	K8330	12	

Housing Ends

*—For .130" cables; others, .150".

K8430	B	7c Each
K8293	F	
K8431	C	
K8429	D	
K8292	A*	9c Each
		7c Each

Motorola Fittings

Types M0130 and M0150 are bell ends for Motorola Cables. Each

K8283	MO(.130")	32c
K8284	MO(.150")	

Auto Body Plug

Plug up aerial holes in auto tops, cowls, etc. Plated 1/2" long, 1/4" head.
 Box of 12. Your Cost..... \$2.27
 K8332— **21c**
 Each

Copper Shielding

BARE	O.D.	TINNED
K16234 2 1/2c	3/8"	K16237 3c
K16235 3c	1/2"	K16238 4c
K16236 4c	5/8"	K16239 5c

Shielded 7 MM. Wire

Lacquered braided wire with a heavy rubber wall and outer covering of tinned copper shielding. Wt. 7 lbs. per 100 ft.

K16211—Per Foot.....	6c
K16213—100 Foot Spool.....	\$5.40

7 MM. Ignition Wire

Standard 7 mm. black lacquered braided wire. Moisture proof. Shpg. wt. 7 lbs. per 100 ft.

K20851—Per Foot.....	4c
K20852—100 Feet.....	\$3.57

Fuse Retainer

Two-piece connector of heavy metal, with fibre inside insulation. 2 1/2" long.

K12372—	9c
12 For.....	98c

"Jumbo" Fuse Retainer
 2 1/2" x 1/2" diam. for Philco and Motorola. Bushings, springs.
 K8349—Your Cost Each **19c**
 10 For..... \$1.70

Lafayette Radio RADIO WIRE TELEVISION INC.

SEND MAIL ORDERS TO NEW YORK WAREHOUSE ONLY

NEW YORK 13, N. Y.

100 Sixth Ave.

Phone: WAlker 5-8883

NEWARK 2, N. J.

24 Central Ave.

Phone: MArket 2-1661

BOSTON 10, MASS.

110 & 130 Federal St. Phone: HUBbard 0474

BRONX 58, N. Y.

542 E. Fordham Rd. Phone: RAYmond 9-8813

HOW TO ORDER

Use our convenient order blank (additional blanks sent on request). Make sure you write the exact stock number and that the price is the one quoted for the item you want. Specify how we shall make shipment "Parcel Post", "Express", etc. We shall follow your instructions, but will change them wherever we are sure that such a change is to your better interest. Please keep all correspondence or remarks relative to your order on a separate sheet of paper. Make sure you include sufficient postage; all overpayments promptly refunded (if overpayment is under 10¢, we will credit your account).

NOTE: In many instances it is impossible to show shipping weights. In practically all cases, it is a simple matter to estimate the weight of each article. Please include sufficient postage. We will credit you with any overpayments.

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We buy for cash and sell for cash; this explains our low price policy. We do not carry credit accounts, and we pass on to our customers all savings effected by the elimination of costly bookkeeping. We will ship C.O.D. if desired, providing a deposit of at least 20% accompanies your order. C.O.D. parcels may be shipped ONLY to places in the 48 states of the U. S. and to U. S. territories. On small orders, full remittance saves extra collection costs.

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2% TRANSPORTATION ALLOWANCE

On mail orders of \$25.00 or more, we allow you to deduct 2% from the total as transportation allowance, with the following exceptions: All Lafayette and National Co. products; all items sold under Fair Trade regulations; all items marked "Shipped Postpaid".

RETURNING MERCHANDISE

If you find it necessary to return any merchandise for adjustments, please write in advance stating the following: reason for return—when and where purchased—number of sales slip (if purchased over the counter). If your shipment is received damaged, obtain a report from the postmaster or express agent and mail it to us. Use a separate sheet of paper for all adjustment matter; do not add remarks to a new order for parts. Do not include money in the package you return. When returning merchandise, pack carefully, insure, and write your name and address on all packages and letters when returning to us.

FINAL PRICES

Prices shown in this catalog are net, and except where marked POSTPAID, do not include postage. All discounts have been deducted, including 2% discounts for cash. Prices are subject to change without notice; we give customers the benefit of all reductions taking place after the catalog is published.

POSTPAID ITEMS

Items marked "Shipped Postpaid" do not require postage. Please note that Postpaid items refer only to shipments made within the 48 states of the U. S. (not U. S. possessions).

SENDING MONEY

The safest and best way to send money is by: American Express; Post Office or Telegraph Money Order; bank drafts; firm checks; stamps. Do not send cash. If absolutely necessary to remit cash, send by registered mail only. Do not hesitate to include sufficient postage; overpayments are promptly refunded.

PARCEL POST RATES FOR ALL ZONES

Parcels up to 8 ounces may be shipped anywhere in the United States for 6¢. Parcel post shipments to any zone must not exceed 70 pounds. The limit of size on all parcel post packages is 100 inches in length and girth com-

bined, at widest point. Example: a package 35 in. long, 10 in. wide and 5 in. high measures 65 in. in length and girth combined (length 35 in., plus twice 10 in. width, plus twice 5 in. height, equals 65 in.).

Weight In Pounds	ZONES							
	First Up to 50 Mi.	Second 50 to 150 Mi.	Third 150 to 300 Mi.	Fourth 300 to 600 Mi.	Fifth 600 to 1000 Mi.	Sixth 1000 to 1400 Mi.	Seventh 1400 to 1800 Mi.	Eighth Over 1800 Mi.
1	\$0.09	\$0.09	\$0.10	\$0.11	\$0.12	\$0.13	\$0.15	\$0.16
2	.11	.11	.12	.15	.18	.20	.24	.27
3	.12	.12	.14	.18	.23	.27	.33	.38
4	.13	.13	.16	.22	.28	.34	.42	.49
5	.14	.14	.18	.25	.34	.41	.52	.61
6	.15	.15	.20	.29	.39	.48	.61	.72
7	.16	.16	.22	.32	.44	.56	.70	.83
8	.17	.17	.24	.36	.50	.63	.79	.95
9	.18	.18	.26	.39	.56	.70	.89	1.06
10	.19	.19	.28	.43	.61	.77	.98	1.17
11	.20	.20	.30	.46	.66	.84	1.07	1.29
12	.22	.22	.32	.50	.72	.92	1.16	1.40
13	.23	.23	.34	.54	.77	.99	1.26	1.51
14	.24	.24	.36	.58	.82	1.06	1.35	1.63
15	.25	.25	.38	.61	.89	1.13	1.44	1.74
16	.26	.26	.40	.65	.94	1.21	1.53	1.85
17	.27	.27	.42	.68	.99	1.28	1.63	1.97
18	.28	.28	.44	.72	1.05	1.35	1.72	2.08
19	.29	.29	.46	.75	1.10	1.42	1.81	2.19
20	.30	.30	.48	.79	1.15	1.49	1.91	2.31
For Each Added lb. Add	1¢	1¢	2¢	4¢	6¢	7¢	9¢	11¢

EXPRESS CHARGES

Express charges are also determined by the weight of the shipment and distance of the con-

signed from shipper. The following chart indicates charges. Add 3% Federal Excise Tax.

Maximum Distance in miles	50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi.
cost up to 5 lbs.	\$0.65	\$0.65	\$0.65	\$0.70	\$0.75	\$0.85	\$0.90	\$1.12
" " 10 lbs.	.70	.70	.72	.81	.92	1.05	1.29	1.76
" " 15 lbs.	.70	.76	.84	.97	1.13	1.16	1.68	2.39
" " 20 lbs.	.74	.85	.95	1.12	1.34	1.38	2.07	3.02
" " 25 lbs.	.80	.94	1.06	1.28	1.56	1.60	2.47	3.65
" " 35 lbs.	.92	1.11	1.28	1.59	1.98	2.03	3.25	4.91
" " 45 lbs.	1.04	1.28	1.51	1.90	2.40	2.47	4.03	6.17
" " 55 lbs.	1.15	1.46	1.73	2.22	2.82	2.91	4.82	7.42
" " 75 lbs.	1.19	1.74	2.18	2.84	3.67	3.79	6.39	9.94
" " 95 lbs.	1.19	1.74	2.24	3.12	4.22	4.38	7.85	12.46
For Ea. 100 lbs.	1.19	1.74	2.24	3.12	4.22	4.38	7.85	12.59

INSURANCE

Parcel post insurance rates are: 3¢ for parcels valued up to \$5.00; 10¢ for parcels from \$5.01 to \$25.00; 15¢ for parcels from \$25.01 to \$50.00; 25¢ for parcels from \$50.01 to \$200.00. All parcels that we ship are insured.

Express insurance rates are: for shipments under \$50.00, no extra insurance charge; for shipments valued from \$50.00 to \$150.00 charge is 10¢. For each additional \$100.00 value or portion thereof, charge is 10¢.

EXPRESS & FREIGHT SHIPMENTS

Express and freight shipments are sent transportation charges collect. If your station has no agent, please send sufficient money to cover transportation. Charges are the same either way. All over-payments are promptly refunded.

C. O. D. SHIPMENTS

Transportation charges on C. O. D. parcels are slightly higher than those sent prepaid. C. O. D. charges in addition to the regular postage costs outlined above are as follows (including insurance): When value of parcel is up to \$2.50 the extra charge is 15¢; from \$2.51 to \$5.00 the extra charge is 20¢; from \$5.01 to \$25.00 the extra charge is 30¢; from \$25.01 to \$50.00 the extra charge is 40¢; from \$50.01 to \$100.00 the extra charge is 50¢; from \$100.01 to \$150.00 the extra charge is 55¢; from \$150.01 to \$200.00 the extra charge is 60¢. The Post Office also charges an extra small money order fee on each C. O. D. parcel. Save these fees by remitting in full.

NOTE: Equipment built or ordered especially to meet customers' requirements not subject to exchange, credit or refund. All orders for special merchandise must be accompanied by a deposit.

To Speed Handling of YOUR Order—Use Our Order Blank

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CUSTOM ENGINEERED COMPONENTS

**OR UNSURPASSED
HIGH FIDELITY REPRODUCTION**

TRUE HIGH-FIDELITY REPRODUCTION has long been the goal of radio and sound engineers. Equally long has it been the desire of lovers of fine music to own a radio and record playing combination capable of reproducing the full range of the audible spectrum with "in person" fidelity. The Federal Communications Commission's most exacting high fidelity classification calls for a range of 30 to 15,000 cycles per second within 2 db. Lafayette offers below custom-engineered high-fidelity components which not only meet, but better the FCC's requirements, as proved by exhaustive engineering tests. These components are available separately, in combination, or installed in most of the cabinets shown on pages 6 and 7. Installation prices upon request.

HIGH-FIDELITY FM-AM TUNER has been designed for superlative reception on the new high frequency FM band as well as the standard AM broadcast band. Truly one of the finest tuners of its kind ever offered, the physical dimensions of this unit make it easily adaptable to special cabinets or "built-in" installations. It is also available for industrial or public address rock mounting. Designed to please the most exacting listener, the tuner covers the new FM band from 87 to 109 megacycles and the standard AM broadcast band from 530 to 1650 kilocycles. Among its many fine features the following are outstanding: Separate RF and IF systems on FM and AM; Two-Stage Cascade Limiter to insure maximum noise rejection on FM; Newly Developed Miniature Tubes used on FM band for highest efficiency; Less than 15 microvolts are needed for complete limiting on FM bands; Sensitivity of ONE microvolt on standard AM band; Excellent reception on both bands with FM antenna alone; Tuning Eye for exact visual tuning; Highest quality components used throughout. 12 tube complement includes 1-6BE6, 1-6C4, 1-6BA6, 3-6SC7, 2-6SJ7, 1-6H6, 1-6SA7, 1-6SF7 and 1-6E5 "eye" tube. No power supply is provided in the tuner chassis, but when it is used with the amplifier listed below, power for the tuner is supplied by the amplifier through a cable connection. Otherwise a separate external power supply is required. Phono position in the channel selector permits use of volume control in tuner when using record player. Slide ring dial, escutcheon and knobs furnished. 7" high, 13 1/2" wide, 9" deep. Shpg. wt. 17 lbs.

K22396—FM-AM Tuner Chassis, with tubes. Your Cost, tax included.....\$122.50
K22395—115 v. 50-60 cycles power supply. Your Cost, tax included.....\$15.78

LAFAYETTE HIGH-FIDELITY AMPLIFIER is a unit of highly advanced design which will amply meet the exacting requirements of the most discriminating music-lover. Flat frequency response from 30 to 20,000 cycles per second (± 1 db) more than covers the audible spectrum found in the finest FM transmission. Individual bass and treble controls provide complete equalization, permitting compensation for room acoustics and adjustments to suit personal preferences. Input in the order of one-tenth of a volt is all that is necessary to drive amplifier to full undistorted output. Conservatively rated at 20 watts normal with less than 5% distortion; peak output 35 watts. The famous UTC linear standard LS6L3 output transformer will deliver the full rated output to the speaker throughout the entire frequency range. High impedance input; variable output impedances from 2.5 to 30 ohms. Phono preamplifier has sufficient gain and is compensated for use with the new high-fidelity G.E. variable reluctance pick-up. Substantially flat response from 70 to 15,000 cycles assured on recordings of that range. Six-tube complement includes: 1-12SC7 pick-up pre-amp and 1st voltage amp.; 1-6SN7 voltage amp. phase inverter; 1-6SL7 push-pull driver; 2-6L6 "beam-power" push-pull outputs and a 5U4G rectifier. Amplifier incorporates a well-filtered separate power supply for the tuner above, through a cable connection. Black crackle chassis 11" x 17" x 9" high. For 115 volts, 50-60 cycles AC. Shpg. wt. 57 lbs.

MODEL HF-720—Lafayette Hi-Fi Amplifier, with tubes. \$115.00
Your Cost, including tax.....

Technical brochure on Model HF-720 Amplifier, available on request.

ALTEC-LANSING MULTI-CELL DIA-CONE SPEAKER is an ideal high-fidelity reproducer for use in conjunction with the fine components shown on this page. Its 15-inch dia-cone with high-frequency multi-cellular horn diffuser will provide the full range response and undistorted volume you want for your "dream" high-fidelity radio-phonograph combination. For technical data on this and other fine speakers see page 40. Shpg. wt. 17 lbs.

K19234—Altec-Lansing Model 603 Speaker. Your Cost.....\$82.32

GARRARD RC-60 AUTOMATIC MIXER-CHANGER has long been the choice of producers of the world's finest radio-phonograph combinations. Our engineers have increased its reproducing qualities by incorporating the famous, new General Electric variable reluctance pick-up to provide the ultimate in response from your fine recordings. Full details on the standard Garrard RC-60 on page 13.

K22394—Garrard RC-60 Changer with G.E. pick-up. \$69.50
Shpg. wt. 20 lbs. Your Cost.....

hallicrafters SX-42

- 540 KC to 110 MC, continuous in six bands.
- Separate, calibrated bandspread dial — for amateur 3.5, 7, 14, 28, and 50 MC bands.
- Wide band FM, AM, CW available from 27 to 110 MC.
- New FM band — channel numbers clearly marked.
- BFO functions over entire receiver range.
- Two FM limiters for maximum quieting.
- Coaxial, precision-built main and bandspread controls.
- Wide vision tuning dials precision calibrated.
- Four-position switch for PHONO, FM, AM, CW.
- Over 8 watts push-pull audio output.
- Flat response from 60 to 15,000 cycles.
- Phono input at rear.
- Split-stator VHF tuning.
- Temperature-compensated HFO minimizes drift.
- "Alrodized" steel top provides full ventilation.
- Chassis and panel removable as a unit.



HALLICRAFTERS SX-42

ALL YOU WANT IN A VERSATILE RECEIVER! Just think, in one outstanding unit you get a superior standard and VHF communications receiver; a standard, short-wave and FM broadcast receiver; and a high-fidelity phonograph amplifier. All this over an amazing frequency range of 540 kilocycles to 110 megacycles (550 to 2.85 meters).

FOR AN AMATEUR AND PROFESSIONAL! Versatility and clear performance to satisfy the most exacting short-wave enthusiast. Precision engineered to make possible reception from the remote corners of the world. In addition to an extremely wide bandspread control, separate controls for crystal phasing, variation of CW pitch, selectivity, AVC, and a noise limiter are provided for critical adjustments.

A SHORT-WAVE RECEIVER THE FAMILY CAN USE! Everyone can use this receiver with ease. Color coded controls make it possible for the entire family to enjoy this fine receiver. **AMAZINGLY NATURAL RESPONSE!** Musical reproduction of true high fidelity is assured by an audio system with response curve essentially flat from 60 to 15,000 cycles and an undistorted power output of 8 watts. Unsurpassed for listening pleasure on broadcast or phono operation.

SUPERB ENGINEERING! Hallicrafters — famed makers of war-winning electronic equipment have built into this great receiver all the engineering advances gained by their experience Split stator tuning. Dual IF transformers. Two FM limiter stages. Coaxial locking knob which permits free rotation of main or bandspread control while the other is firmly held in position. Automatic changeover from narrow AM band to wide-band FM (bands 4 and 5).

CONTROLS: Band selector, main tuning, bandspread, dial lock, volume and power off, AVC, noise limiter, receive/standby, selectivity, tone sensitivity, crystal phasing, PHONO-FM-AM-CW switch, CW pitch. "S" meter adjustment on rear of chassis.

FIFTEEN TUBES: 2-6AG5 RF amp., 1-7F8 converter, 1-6SK7 IF amp., 1-6SG7 IF amp., 1-6H6 AM rect.-noise lim., 2-7H7 FM limiter amp., 1-6H6 FM discrim., 1-6SL7 audio inverter, 2-6V6 beam-power audio tubes, 1-7A4 BFO-FM tuner amp., 1-VR150 voltage reg., 1-SU4G rectifier.

K21178—Hallicrafters Model SX-42. Shpg. wt. 80 lbs. **\$275.00**
Your Cost.....
K21179—Adjustable base for SX-42. Provides "eye-angle" view of controls. Shpg. wt. 10 lbs. **\$7.50**
Your Cost.....

R-42, R-45 SPEAKERS

The R-42 and the R-45 (special rack mounting version of the R-42) present the greatest innovation in speaker design in recent years. This is the first speaker of its size to offer the advantages of the bass reflex principle. Heretofore the highly desirable bass reflex feature has been available only in large cabinet-type speakers. Now in this sleek, highly functional design, matching the new line of Hallicrafters receiver, bass reflex performance is available in a rugged yet compact speaker that offers a new high quality of reproduction. The R-42 was designed as a

companion piece to the SX-42 receiver but may be used with any other receiver. Speaker size is 8 inches. A two position switch on the front panel permits communications or high fidelity reception. Terminals on rear for 500/600 ohm line. R-42 size: 12 1/2" deep x 11 3/4" high x 17" wide. R-45 size: 12 1/2" high. Shipping weight of each model is approximately 25 lbs.

K21193—R-42 Speaker **\$29.50**
Your Cost.....

K21180—R-45 Speaker **\$32.50**
Your Cost.....



R-42



R-45