

# AMPEX

# SALE!



**AUTO-REVERSE**  
Plays complete 4 track tape without changing reels.

AMPEX 1161

SAVE \$20

TRADE-INS  
ACCEPTED

SALE

Reg. \$399.95  
\$379.97

\$19 Monthly

RA-111

Same recorder as above but complete with case and slide-on speakers. Shipping wt. 35 lbs.

**\$100** Worth of prerecorded Ampex tape only....  
**\$39.95** With the purchase of Model 1150 or 1161 Recorder.  
(order form included with recorder)

## STEREO TAPE DECK

MODEL 1150

REGULAR ~~\$299.95~~  
**\$222**  
RA-110 \$13 MONTHLY

FULL FACTORY WARRANTY

- AUTOMATIC THREADING
  - EXCLUSIVE DEEP-GAP HEADS
  - DUAL CAPSTAN DRIVE
  - 3-SPEED: 1 7/8-3 3/4-7 1/2 IPS
  - ACCURATE VU METERS
  - HYSTERSIS SYNCHRONOUS MOTOR
- Size: 18 1/2" x 13" x 7 1/2"  
Shipping weight 27 lbs.

MORE TAPE RECORDERS PG. 5

# Olson

Olson COUPON  
**SALE**

8 Channel  
Solid State  
**CB**

SAVE  
**\$20.01**

**TRANSCEIVER**



5 Watt

NOT A  
KIT

- ★ Instant on—no warm up
- ★ Adjustable Squelch
- ★ All Silicon Transistors
- ★ Low Battery Drain
- ★ Channel 11 Crystals Included
- ★ Automatic Noise Limiter
- ★ Sensitivity: iuv. /10 db s+n/n
- ★ Selectivity: 10KC at 3 db
- ★ 3 1/4 Watt Output
- ★ Mtg. Bracket and 12 Volt Cable Included

Size: 2 1/2" x 5 1/2" x 7 1/2". Shipping weight 5 lbs.  
Receive Crystals, CB-66 Choice \$2.50  
Transmit Crystals, CB-65 Choice \$2.50  
AC Power Supply, CB-77 \$19.95

Reg. ~~\$80~~  
**\$59.99**  
Olson CB-8  
**\$7 MONTHLY**

Olson  
Olson  
Olson

## STORE VALUE CATALOG

- ★ Visit Your Convenient OLSON ELECTRONICS STORE For These and Hundreds of Other Outstanding Values!
- ★ EASY PAY PLAN ★ TRADE-INS ACCEPTED

OLSON ELECTRONICS Catalog 568  
260 S. Forge St., Akron, Ohio 44308

ADDRESS CORRECTION REQUESTED  
RETURN POSTAGE GUARANTEED

BULK RATE  
U.S. POSTAGE  
**PAID**  
Olson Electronics

**31** Olson  
FULL LINE  
ELECTRONICS CENTERS

**Akron, Ohio**  
69 W. State St. 44308  
Phone: PO 2-0301/DD: 216  
CB Call: KH 1-8846  
Mon. & Thurs. 9 to 9  
Tues., Wed., Fri., Sat. 9-5:30

**Atlanta, Ga.**  
485 Peachtree St. N.E. 30308  
Phone: 873-5656/DD: 404  
CB Call: KDD-6398  
Mon., Thurs., Fri. 9 to 9  
Tues., Wed., Sat. 9-5:30

**Buffalo, N.Y.**  
711 Main St. 14203  
Phone: TL 6-2504/DD: 716  
CB Call: KRP-8589  
Mon., Thurs., Fri. 9 to 9  
Tues., Wed., Sat. 9 to 5:30

**Buffalo, N.Y.**  
3259 Sheridan Dr. 14226  
Phone: 837-6300/DD: 716  
CB Call: KIC-4752  
Mon., Thurs., Fri. 10 to 9  
Tues., Wed. 10 to 6  
Saturday 9 to 6

**Cincinnati, Ohio**  
815 Main St. 45202  
Phone: 621-9393/DD: 513  
Mon., Thurs., Fri. 9 to 9  
Tues., Wed., Sat. 9 to 6  
Sunday 11 to 5

**Cleveland, Ohio**  
21850 Center Ridge Rd. 44115  
Phone: 331-4600/DD: 216  
Mon. thru Fri. 10 to 9  
Saturday 9:30 to 6  
Sunday 12 to 6

**Cleveland, Ohio**  
2020 Euclid Ave. 44115  
Phone: MA 1-6387/DD: 216  
CB Call: KIA-0550  
Mon. & Thurs. 9 to 9  
Tues., Wed., Fri., Sat. 9-5:30

**Cleveland, Ohio**  
6813 Pearl Rd. 44130  
Southland Shopping Center  
Phone: 845-2424/DD: 216  
CB Call: KPM-3883  
Mon. thru Fri. 10 to 9  
Saturday 10 to 6  
Sunday 12 to 5

**Cleveland, Ohio**  
6153 Mayfield Rd. 44124  
Mayfield Heights  
CB Call: KNN-1599  
Phone: 449-2690/DD: 216  
Daily 10 to 9  
Saturday 9 to 6

**Columbus, Ohio**  
142 N. High St. 43215  
Phone: CA 8-5337/DD: 614  
CB Call: KLM-8568  
Daily 9 to 9  
Saturday 9 to 5:30  
Sunday 12 to 5

**Chicago, Ill.**  
6231 Dempster St. 60053  
MORTON GROVE  
Phone: 966-6700/DD: 312  
Mon. thru Fri. 10 to 9  
Saturday 9 to 5:30  
Sunday 11 to 5

**Chicago, Ill.**  
4101 N. Milwaukee Ave. 50641  
Phone KI 5-7336/DD: 312  
CB Call: 188-0221  
Daily 9 to 9  
Saturday 9 to 5:30  
Sunday 12 to 5

**Chicago, Ill.**  
123 N. Western Ave. 60612  
Phone HA 1-3533/DD: 312  
CB Call: KIJ-5266  
Mon., Thurs., Fri. 10 to 9  
Tues., Wed., Sat. 9 to 5:30  
Sunday 10:30 to 3

**Chicago, Ill.**  
2641 W. 95th St. 60642  
Phone: 239-2414/DD: 312  
425-6192  
Mon. thru Fri. 10 to 9  
Saturday 9 to 5:30  
Sunday 11 to 5

**Dallas, Texas**  
6215 Hillcrest Ave. 75205  
Phone: LA 8-6420/DD: 214  
CB Call: KMV-2691  
Mon. thru Fri. 10 to 9  
Saturday 9 to 6

**DETROIT MICHIGAN ALLEN PARK**  
15847 SOUTHFIELD RD.  
ALLEN PARK, MICH. 48101  
Phone 388-9150/DD: 313  
Mon. thru Sat. 10 to 9  
Sunday 11 to 5

**St. Louis, Mo.**  
1517 Olive St. 63103  
Phone CH 1-2911/DD: 314  
Mon., Thurs., Fri. 9 to 9  
Tues., Wed., Sat. 9 to 5:30

**Detroit, Mich.**  
15620 Grand River Ave. 48226  
Phone 838-0777/DD: 313  
CB Call: KLN-3053  
Mon. thru Sat. 9:30 to 9  
Sunday 12 to 6

**Detroit, Mich.**  
14243 Gratiot Ave. 48205  
Phone: 372-1317/DD: 313  
Mon. thru Sat. 9:30 to 9  
Sunday 12 to 6

**Miami, Florida**  
1644 N.E. 2nd Ave. 33132  
Phone: 374-4121/DD: 305  
Mon., Fri. 9:30 to 9  
Tues., Wed., Thurs., Sat. 9:30 to 5:30  
Sunday 11 to 5

**Milwaukee, Wis.**  
423 W. Michigan 53203  
Phone: BR 1-9920/DD: 414  
CB Call: KHC-6336  
Daily 9 to 9  
Saturday 9 to 5:30

**Pittsburgh, Pa.**  
5918 Penn Ave. 15206  
Phone: EM 2-1333/DD: 412  
Daily 9 to 9  
Saturday 9 to 5:30

**Pittsburgh, Pa.**  
3405 Saw Mill Run Blvd. 15227  
Phone: 881-0702/DD: 412  
CB Call: KID-6165  
Mon. thru Fri. 10 to 9  
Saturday 10 to 6

**Santa Clara**  
2125 El Camino Real 95051  
**San Francisco**  
169 Eleventh St. 94103  
**Santa Ana, Cal.**  
1329 S. Main St. 92707  
**Inglewood, Cal.**  
4642 W. Century Blvd. 90304

**N. Holly'wd, Cal.**  
5356 Lankershim Blvd. 91601  
**Long Beach, Cal.**  
714 Pine Ave. 90813

**Los Angeles, Cal.**  
3620 W. Pico Blvd. 90019  
**Lynwood, Cal.**  
10906 Atlantic Ave. 90262

N E SHERWIN  
1131 NE 25TH AVE  
POMPAUN BEACH FL  
33060

**FREE TREASURE HUNT!**  
You May Win \$5.00 IN MERCHANDISE.  
Somewhere throughout this catalog are the names of several Olson customers. Your name may be there! If it is, write us giving the page number and Olson will send you FREE from the catalog, \$5 worth of merchandise of your choice.  
THIS OFFER EXPIRES June 30, 1968  
Visit Our Famous TRADE-IN DEPT. Trade-In Your Hi-Fi, CB, Tape Recorder

**FREE!**  
Genuine Cultured PEARL  
... WITH EACH \$10 WORTH OF MERCHANDISE PURCHASED FROM Olson ELECTRONICS  
\$10 ORDER — 1 PEARL  
\$20 ORDER — 2 PEARLS  
\$30 ORDER — 3 PEARLS  
\$50 ORDER — 5 PEARLS  
\$100 ORDER — 10 PEARLS  
NO LIMIT  
Offer Does Not Apply To Fair Trade Items



**Olson / Jensen 15" GUITAR SPEAKER**  
\$19.98  
Olson S-71  
★ 27 oz. Magnet ★ 8 Ohm  
★ Full Range 60 Watt GUITAR SPEAKER  
**SEE PAGE 6 NOW!**

# OLSON ELECTRONICS

260 S. FORGE ST. AKRON, OHIO 44308

### NI-CAD CHARGER With Batteries

★ 2—"D" Size Rechargeable Batteries Included  
★ For Flashlights, Toys, Cameras, Etc.



**\$7.95** (Old Price \$10.00)  
BA-138

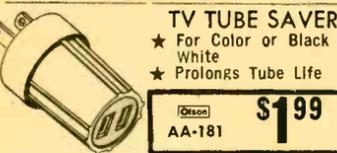
- Charges 2 "D" Cells At Once
- Full Charge In 14 To 16 Hours
- Operates On 110 To 120 V. AC
- Only 4 3/4" x 3 1/2" x 1 3/4"

Shipping weight 3 lbs.

Extra "D" Rechargeable Batteries  
Olson BA-139 Ea. \$2.10

### TV TUBE SAVER

★ For Color or Black & White  
★ Prolongs Tube Life



**\$1.99**  
AA-181

The Tube Saver blocks any sudden surge of power and protects tubes against burning out. Size: 2 1/4" x 1 1/4". Shipping weight 1/4 lb.

### Ni-Cad Charger



**\$2.69**  
BA-120

Charge either 2 or 4 AA size, nickel cadmium type batteries at a time. Pilot light indicates when batteries are charging. Size: 2 3/4" x 3 3/4" x 3/4". Operates on 110 to 120 V. AC. 60 cps. Shpg. wt. 1/2 lb.

### TRANSISTOR RADIO BATTERY ELIMINATOR-CHARGER

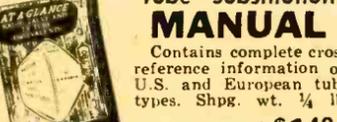


**\$3.49**  
3 FOR \$10.00  
No. BA-78

Charge batteries in 1 to 1 1/2 hours. Converts transistor portables to AC. Use with batteries RL-006P, MV-006P, Burgess 2U6, Eveready 216, Neda 1604, Olson BA-89. For 110-125 volts. AC. Size, design may vary from picture. Shpg. wt. 1/2 lb.

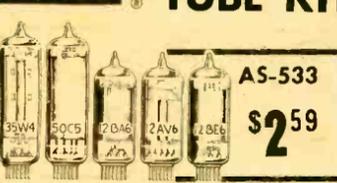
### Tube Substitution MANUAL

Contains complete cross reference information on U.S. and European tube types. Shpg. wt. 1/4 lb.



**\$1.49**  
Olson B-302

### Olson 5 PACK TUBE KIT



**\$2.59**  
AS-533

One each: 35W4, 50C5, 12BA6, 12AV6, 12BE6. Most common types for AC-DC home radios. Shpg. wt. 3/4 lb.

### ★ BATTERIES ★

Stock No.	Volts	Replaces	Each	Lots of 10, ea.	Lots of 100, ea.
A BA-89	9	Burgess, 2U6, RCA, VS-312, Eveready 216, and NEDA 1604 Shpg. wt. 1 1/4 lbs.	21c	20c	19c
B BA-53	1 1/2 "D" Size	Burgess 2R, Eveready 950 or RCA VS-36 Shipping wt. 1/4 lb.	13c	12c Ea. in lots of 10 or more	
B BA-41	1 1/2 "C" Size	Eveready 935, RCA VS035A, Burgess 1 lb.	13c	12c Ea. in lots of 10 or more	

### MALLORY DURACELL Mercury/Alkaline BATTERIES

THEY LAST A LOT LONGER

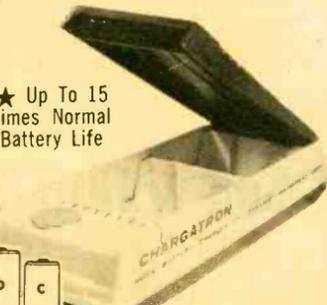
For Photography, Flashlights, Toys, Games & Transistor Radios

Mercury batteries last 4 to 5 times as long as carbon/zinc batteries. Alkaline last up to 8 times as long as carbon cells. Mercury batteries give longest life in transistor radios and similar equipment. Alkaline batteries are best for higher current applications such as flashlight & photoflash.

R. Pastorius, 5433 N. Broad, Library, Pa. 15129; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

STOCK NO.	VOLTS	TYPE	SIZE	NEDA TYPE	MALLORY NO.	PRICE
A BA-107	8.4	Mercury	9 V.	1604	TR-146	1.44
B BA-108	1.4	Mercury	AA	15A	ZM-9	.66
C BA-109	1.5	Alkaline	C	14,814	MN-1400	.56
C BA-109	1.5	Alkaline	D	14,814	MN-1300	.76
D BA-110	1.5	Alkaline	AA	15,815	MN-1500	.36
E BA-111	1.5	Alkaline	AAA	20	MN-2400	.34
F BA-112	1.5	Alkaline	N	910	MN-9100	.27
G BA-126	1.4	Mercury	2 3/4" x 1 1/4"	RM 675	6/SI.92	
H BA-127	1.4	Mercury	3 1/2" x 1 1/4"	RM 625	4/SI.68	
I BA-128	1.4	Mercury	3 1/2" x 1 1/4"	RM 630	4/SI.68	
J BA-129	1.4	Mercury	3 1/2" x 3/4"	1104	RM 640	4/SI.68

### HOME BATTERY CHARGER



★ Up To 15 Times Normal Battery Life

RECHARGE: Size D, Size C, Penlite, 9V, Transistor, Carb-Zinc, Merc. & Nickel-Cad.

Recharge 1 to 4 batteries at a time. Alkaline, carbon-zinc, mercury and even nickel-cadmium. Completely safe—charges only when lid is closed. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 3 lbs.

CHARGATRON Automatic Charger  
Same as BA-103 but includes Safe-T-Plug. Stops charging when batteries are fully charged.  
No. BA-122 **\$5.98**

**\$3.99**  
BA-103

### Penlight Battery Holders

★ Each Holds 6 Penlight Cells

Molded vinyl. Batteries are connected in series, delivering 9 volts to the snap-on terminals. Ideal for walkie-talkies, transistor radios, etc. Shipping weight 1/4 lb.

No. BA-125, Kit of 2 **79c**

As above except each holder accepts 4 penlight cells for 6 volt applications. No. BA-124, Kit of 2, **79c**

ORDER BY PHONE DAY or NIGHT  
216-535-9191

### BATTERY ELIMINATOR/CHARGER

★ Charges 9V Batteries



**\$2.59**  
No. BA-106

Use to replace or charge the following batteries: Burgess 2U6, RCA VS213, Eveready 216, Neda 1604, Olson BA-89. For 110-120 Volts AC, 50/60 cps. Size: 2 1/2" x 1 1/4" x 1 1/4". Shpg. wt. 1 1/2 lbs.

### PEN-LITE CELLS



**8 for 59c**  
24 for \$1.50  
No. BA-67

Replaces Burgess Z, Eveready 915 Ray-O-Vac 7R, etc. 1.5 V. Shpg. wt. 1/4 lb.

### NE 2 NEON LAMP

Withstands vibration and shock. Operates on 110 to 120 volts AC with series resistor. Rated at 1/17 watts. Wire terminals. Shpg. weight 1/4 lb. Package of 10 for \$1

PL-153

### Westinghouse PILOT LAMP



**83c**  
BOX OF 10 No. 47

• 6-8 Volts  
• .15 Amps

## Westinghouse TUBE SALE

★ 10 Selected Types ★

1B3	\$1.02	6BZ6	.80
3A3	\$1.08	6CB6	.79
6AQ5	.83	6DQ6	\$1.41
6AX4	.90	6GH8	\$1.08
6BQ7	\$1.30	6JE6	\$2.87

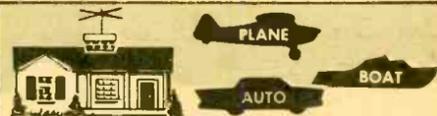
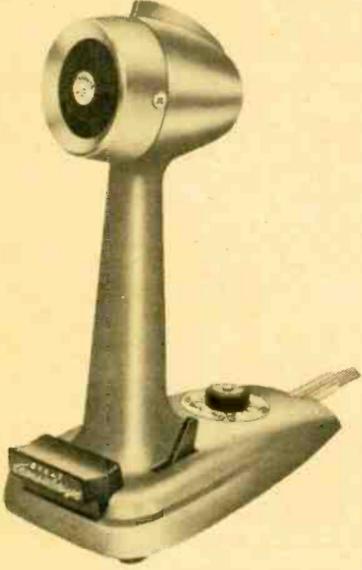
See Regular Prices Below

### ONE YEAR GUARANTEE

Brand new. All tubes are guaranteed for a full 12 months from the date of purchase. We will replace any defective tube (exclusive of freight charges) within the GUARANTEE period. This does not apply to broken tubes or burned out filaments.

TUBE TYPE	MFRS. LIST PRICE	YOUR COST	
		1-10 Each	11-up Each
OZ4	\$2.65	\$1.33	\$1.20
*1B3/1G3GT	2.75	1.39	1.25
1R5	3.25	1.63	1.47
1U4	3.05	1.53	1.38
1U5	2.90	1.45	1.30
*1V2	2.20	1.10	.99
*1X2B	2.90	1.45	1.31
*2B4A	2.75	1.38	1.24
2CY5	3.30	1.65	1.48
*3A3	3.20	1.60	1.44
*3AT2	3.05	1.53	1.38
*3BN6	3.80	1.90	1.71
*3BZ6	2.15	1.08	.97
3CB6	2.15	1.08	.97
3CY5	3.90	1.95	1.76
3GK5	3.85	1.93	1.74
3V4	3.10	1.55	1.39
3DG4	4.30	2.15	1.94
*3GK5	3.85	1.93	1.74
*4BQ7A	4.15	2.08	1.88
4BZ6	2.10	1.05	.95
*5AM8	4.05	2.03	1.83
*5AQ5	2.40	1.20	1.08
*5A78	3.80	1.90	1.71
5CG8	3.35	1.68	1.51
5CL8A	4.05	2.03	1.83
5T8	4.45	2.23	2.00
*5U4GB	2.10	1.05	.94
5U8	3.10	1.55	1.39
*5Y3GT	1.75	.88	.80
6AB4	2.45	1.23	1.11
6AF3	3.10	1.55	1.40
*6AF4A	3.75	1.88	1.69
*6AH4GT	3.25	1.63	1.47
*6AH6	4.40	2.20	1.98
6AK5	4.50	2.25	2.03
6AL3/EY88	2.90	1.45	1.30
*6AL5	1.90	.95	.86
*6AM8A/6AM8	3.95	1.98	1.78
*6AN8A	3.95	1.98	1.78
*6AQ5A	2.55	1.28	1.15
6AS5	2.75	1.38	1.24
*6AS8	4.00	2.00	1.80
*6AT8A	4.00	2.00	1.80
*6AU4GT/GT	3.40	1.70	1.53
*6AU6A	1.95	.98	.88
*6AU8A	4.40	2.20	1.98
*6AV6	1.75	.88	.80
*6AW8A/6AW8	3.60	1.80	1.62
6AX3	2.55	1.28	1.15
*6AX4GTB	2.50	1.25	1.12
6AY3	2.90	1.45	1.30
*6BA6	2.10	1.05	.95
*6BA8A	4.20	2.10	1.89
*6BC8	3.75	1.88	1.69
6BE6	2.40	1.20	1.08
*6BG6GA/G	6.15	3.08	2.77
*6BH6	2.75	1.38	1.24
6BJ6	2.75	1.38	1.24
*6BK4B	7.55	3.78	3.40
*6BK7B	3.55	1.78	1.60
*6BL7GTA	4.60	2.30	2.07
*6BL8	3.75	1.88	1.69
6BM8	2.90	1.45	1.30
*6BN4A	3.40	1.70	1.53
*6BN6	3.35	1.68	1.51
6BN8	3.35	1.68	1.51
*6BQ5/EL84	2.65	1.33	1.20
*6BQ6GTB/6CU6	4.10	2.05	1.85
*6BQ7A	3.75	1.88	1.69
*6BR8A	4.00	2.00	1.80
*6BU8	3.40	1.70	1.53
*6BZ6	2.10	1.05	.95
*6BZ7	3.75	1.88	1.69
*6C4	1.95	.98	.88
*6CB6A	2.10	1.05	.94
*6CD6GA/G	5.50	2.75	2.47
6CF6	2.75	1.38	1.24
*6CG7	2.35	1.18	1.06
6CG8A	3.25	1.63	1.47
*6CL6	3.80	1.90	1.71
*6CL8A	3.90	1.95	1.76
6CM7	2.75	1.38	1.24
*6CN7	4.20	2.10	1.89
*6CQ8	3.50	1.75	1.58
*6CS6	2.70	1.35	1.21
6CS7	2.80	1.40	1.26
6CU8	4.50	2.25	2.02
*6CW4	4.60	2.30	2.07
6CX8	4.25	2.13	1.92
6CY5	3.60	1.80	1.62
6CY7	3.05	1.53	1.38
6DA4	3.05	1.53	1.38
6DE4	3.20	1.60	1.44
*6DE6	2.40	1.20	1.08
6DE7	3.65	1.83	1.65
*6DK6	2.35	1.18	1.06
*6DQ5	7.85	3.96	3.56
*6DQ6B	4.20	2.10	1.89
6DR7	4.30	2.15	1.94
*6DT6A	2.25	1.13	1.02
6EA7	5.20	2.60	2.34
*6EA8	3.20	1.60	1.44
6EB8	4.40	2.20	1.98
*6EH7	3.85	1.93	1.74
*6EJ7	3.55	1.78	1.60
6EM5	3.35	1.68	1.51
*6EM7	4.90	2.45	2.20
*6ER5	3.55	1.78	1.60
6EV5	2.85	1.43	1.29
*6EW6	2.30	1.15	1.03
*6E58	5.45	2.73	2.46
*6FG7	3.70	1.85	1.67
*6FH5	3.15	1.58	1.42
*6FM7	3.25	1.63	1.47
*6FQ7	2.35	1.18	1.06
6GE5	3.85	1.93	1.74
*6GH8A	3.20	1.60	1.44
*6GK5	3.85	1.93	1.74
*6GM6	2.75	1.38	1.24
6GN8	4.30	2.15	1.94
*6GU7	3.20	1.60	1.44
6GV5	4.15	2.08	1.87
*6GY6	2.60	1.30	1.17
*6HF5	7.30	3.65	3.28
*6HS8	3.85	1.93	1.74
*6HZ6	2.75	1.38	1.24
6J5	4.10	2.05	1.85
*6JA6	2.90	1.45	1.30
6JB6	5.85	2.93	2.64
*6JS6A	7.30	3.65	3.28
*6JU8	3.50	1.75	1.58
6KG7	2.70	1.35	1.21
*6KA8	4.25	2.13	1.92

TUBE TYPE	MFRS. LIST PRICE	YOUR COST	
		1-10 Each	11-up Each
*6KT8	4.25	2.13	1.92
*6KZ8	3.15	1.58	1.42
*6L6GC	4.55	2.28	2.05
*654A/654	2.35	1.18	1.06
65J7	4.15	2.08	1.87
65L7GT	3.55	1.78	1.60
*65N7GTB	2.70	1.35	1.21
*6T8A	3.35	1.68	1.51
*6U8A	3.10	1.55	1.39
*6V6GTA	2.40	1.20	1.08
*6W6GT	2.95	1.48	1.33
6X4	1.80	.90	.81
*6X5GT	2.40	1.20	1.08
*6X8A	3.30	1.65	1.48
*7AU7	2.45	1.23	1.11
8AW8A	4.00	2.00	1.80
*8FQ7	2.35	1.18	1.06
10DE7	3.50	1.75	1.58
12AD6	2.80	1.40	1.26
12AT6	1.75	.88	.79
*12A7	2.85	1.43	1.29
12AU6	2.00	1.00	.90
*12AU7A	2.35	1.18	1.06
12AV5GA	5.05	2.53	2.28
*12AV6	1.80	.90	.81
*12AV7	3.40	1.70	1.53
12AX4GTB	2.70	1.35	1.21
*12AX7A	2.50	1.25	1.12
*12AZ7A	2.95	1.48	1.33
12B4A	3.20	1.60	1.44
12B6	1.80	.90	.81
12BE6	1.95	.98	.88
*12BH7A	2.90	1.45	1.30
12BL6	2.95	1.48	1.33
12BY7A/12BY7	3.20	1.60	1.44
12C5/12CU5	2.75	1.38	1.24
12CA5	2.80	1.40	1.26
12DQ6B	4.25	2.13	1.92
12DT5	3.10	1.55	1.39
12SN7GTA	2.80	1.40	1.26
12W6GT	4.45	2.23	2.00
13EM7	5.35	2.68	2.41
*13GF7	4.65	2.33	2.10
*15CW5	2.65	1.33	1.20
16AQ3	2.70	1.35	1.21
17AX4GTA	3.05	1.53	1.38
17D4	3.05	1.53	1.38
17DQ6B	3.95	1.98	1.78
17GW6	4.25	2.13	1.92
17JZ8	3.90	1.95	1.76
*19AU4GTA	3.55	1.78	1.60
19T8	4.05	2.03	1.83
22DE4	3.40	1.70	1.53
25CD6B/GA	5.75	2.88	2.59
25DN6	5.95	2.98	2.68
25L6GT	2.95	1.48	1.33
33GY7	6.05	3.03	2.73
35C5	2.10	1.05	.94
35L6GT	2.75	1.38	1.24
35W4	1.25	.63	.57
35Z5GT	2.20	1.10	.99
*50C5	2.20	1.10	.99
50EH5	2.30	1.15	1.03
50L6GT	2.85	1.43	1.29

**TURNER** + 2  
Transistorized  
Microphone

- Increases Signal Strength
- Up To 50 Times More Output
- Tailored Frequency Response
- Ceramic Element
- For Relay or Electronic Switching
- Touch To Talk Or Lock On-Off Switching

Shipping weight 3 lbs.

**\$29<sup>11</sup>**

M-266

**TURNER** M+2/U CB  
MICROPHONE

★  
MAKES  
MOBILE  
SOUND  
LIKE  
BASE  
STATION

**\$23<sup>23</sup>**

Olson M-296

For "+" Talk Power

- Built-In Volume Control
- Self Contained Battery
- For Relay Switching Circuits
- Includes Mounting Clip

Shipping weight 1 lb.

**Olson** SWR & FIELD STRENGTH METER

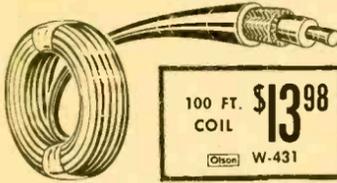
**Olson COUPON SALE**

Reg. ~~\$9<sup>99</sup>~~ **\$7<sup>49</sup>**

Olson CB-67

A handy 2-in-1 meter for use with CB or amateur transmitters to check SWR. Can be left continuously in the circuit for monitoring transmitter output. Designed to make comparative field strength measurements. Has easy-to-read two color scale. Impedance matches 52 ohm coaxial lines. Includes 5-section antenna. Operates from 2 to 30 MC. Size: 1 3/4" W. x 5 3/8" H. x 2 1/4" D. Shipping wt. 1 lb.

**RG8-U COAX CABLE**



100 FT. **\$13<sup>98</sup>**  
COIL

Olson W-431

100 ft. coil of high quality low loss RG8-U coax cable recommended for use where antenna lead exceeds 50 ft. Shipping weight 10 lbs.

**Replacement CB Antenna**

**\$2<sup>98</sup>**

★ ONLY 15" HIGH — WORKS LIKE 5 FEET

- For any Walkie Talkie
- Base Loaded
- Ideal For Obstructed Areas
- Replaces Broken Antenna
- Works Without Removing Existing Ant.

Shipping weight 1/2 lb.

**102 INCH WHIP ANTENNA**

**OLSON LOW LOW PRICE**

**\$5<sup>99</sup>**

Olson AA-91

May be cowl, trunk or fender mounted. A terrific bargain for the 27 M.C. mobile rig. A durable, first line antenna and mount at a bargain price. Shipping weight 7 lbs. Shipped Railway Express only.

**Olson** CB ANTENNA

★ ALL SOLID ALUMINUM



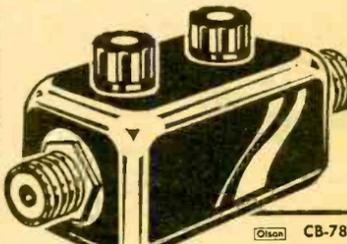
**\$9<sup>99</sup>**

Olson AA-121

2 for \$16.58

Incorporates 3 (drooping) 108" 2 section radials and 108", 2 section radiator (vertical element), all solid aluminum. Mast bracket is steel cadmium plated. Has coaxial cable connector (SO-239). "U" clamp rigidly supports antenna on 1 1/4" mast. Shpg. wt. 4 lbs.

**GOLD LINE CB MATCHER**



**\$9<sup>98</sup>**

★ STOPS POWER LOSS

- Quick — Easy Installation
- For Perfect VSWR At 1.1 To 1
- Matches Antenna to Transmitter
- Standard Co-Ax Connectors
- Size: 4" x 2 1/8" x 1 3/4"

Shipping weight 1/2 lb.

W. N. Palmer, 27 Barney Street, Rumford, R. I. 02916; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

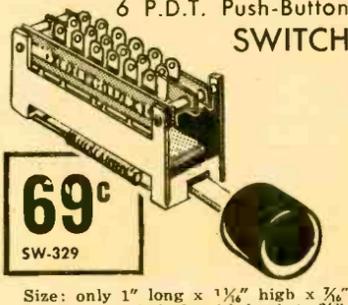
**Olson** CB TRANSMIT CRYSTALS

For use in the following transceivers: Olson 717, Olson CB-23, Courier (13mc) I M, Fleet Courier, Demo Satellite, General; MC4, MC5, MC6, Hammerlund; CB6 Inter. Executive; KB-1, KB-7, 10, 55, 100, 100A, 1500, Kaar; TR-326, TR-327, TR 333, Lafayette; HL-200, HB-111, Metroster; 7131, Metrotek; Starcaster Deluxe, Pacer, Mustang, Morrow; 5W1, 5W3, Realistic; TRC-8D. Shipping weight 1/4 lb.

**\$2<sup>50</sup>**

Olson CB-15

**6 P.D.T. Push-Button SWITCH**

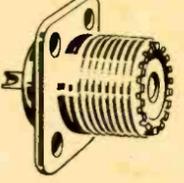


**69<sup>c</sup>**

Olson SW-329

Size: only 1" long x 1 1/4" high x 3/8" wide. Length of shaft with knob is 3/4". Shipping weight 1/4 lb.

**SO-239 Panel Mtg. RECEPTACLE**



**60<sup>c</sup>**

Olson CB-27

ORDER BY PHONE DAY or NIGHT

216-535-9191

**Olson** MAGNETIC MIKE HOLDER



**66<sup>c</sup>**

Olson CB-48

HANG MIKE ON ANY METAL SURFACE

Attaches to any hand mike with standard hanger button. Hang mike up on any metal surface such as car dash, or transceiver case. No holes to drill. Size: 1 1/4" x 1 3/8" x 3/8" Shpg. wt. 1/4 lb.

**NEW BOOK!**

99 Ways To Improve Your CB Radio

**\$2<sup>50</sup>**

Olson B-310

**INTERNATIONAL RECTIFIER TELESCOPING ANTENNA**



No. AA-206 **99<sup>c</sup>**

★ CHROME PLATED

★

Telescopes from 8 1/2" to 38 1/2". Has insulating sleeve and mounting hardware. Mounts in 3/8" hole. Perfect replacement in walkie-talkies and transistor radios.

Olson AA-149 **\$1<sup>49</sup>**

**COAXIAL CONNECTOR**

PL 259 type, cable mounting plug.

Olson CB-46, 2 for \$1 **59c**

Olson UG-176U Reducer for RG59U Cable, CB-47, 2 for 30c **ea. 16c**

Olson UG-175U Reducer for RG58U Cable, CB-26, 2 for 30c **ea. 16c**

**Olson** 5" SLIDE RULE

ALL PLASTIC SLIDE

★ Engraved Scales

**\$2<sup>49</sup>**

Olson TL-424

Has A, B, C1, C, D, K, S, L and T scales. Also has a 5-inch ruler on one edge and 0-13 centimeter scale on the other edge. Size: 5 1/2" x 1 1/2". Shipping weight 1/4 lb.

**Olson** CIRCULAR SLIDE RULE

★ With Case

★ Comparable to a 10" Rule

**\$2<sup>39</sup>**

Olson TL-397

Conversion tables for volume, weight length, velocity, and energy. Only 3 1/2" in diameter. Shipping weight 1/4 lb.

**New! SKILL • FACT Reference Library**

**ONLY \$5<sup>98</sup> PER SET**

**SET 1**  
Home Maintenance Library  
Olson B-311

**SET 2**  
General Interest Electronics  
Olson B-312

**SET 3**  
Hobby Project Library  
Olson B-313

**3 SETS TO CHOOSE FROM**

**EACH SET CONTAINS 8 BOOKS**

INCLUDES: Care and REPAIR of your SMALL HOME APPLIANCES  
Do your own ELECTRIC Wiring Modernizing  
Care and REPAIR of your LARGE HOME APPLIANCES  
Know about GARAGE DOOR OPENERS  
Know about HOME INTERCOM SYSTEMS  
Getting the most from your HOME POWER TOOLS  
Do your own MINOR HOME REPAIRS. CONCRETE POURING AND PATCHING for the Homeowner

INCLUDES: How to install your own AUTO TRANSISTOR IGNITION SYSTEMS  
Know about ELECTRONIC ORGANS  
Dictionary of ELECTRONIC TERMS  
Picture Guide to TV TUBE REPLACEMENT  
Know About CITIZENS BAND RADIO  
Useful ELECTRONICS TABLES AND FORMULAS  
It's Easy to READ ELECTRONIC DIAGRAMS  
SIMPLIFY MATH — LEARN TO READ The SLIDE RULE

INCLUDES: Build Useful ELECTRONIC ACCESSORIES FOR YOUR CAR  
Fascinating easy-to-build ELECTRONIC GAMES  
Know about MODEL RADIO CONTROL  
The FUN of SHORT WAVE RADIO LISTENING  
Easy-to-build TRANSISTOR PROJECTS  
Build useful ELECTRONIC GADGETS FOR YOUR HOME  
Fascinating EXPERIMENTS for your CHEMISTS  
Know about MODEL ROADRACING

**Olson** 10" SLIDE RULE

★ Scales Etched in Surface

**\$2<sup>49</sup>**

Olson TL-444

Each letter and division mark is etched into the surface so that it can't rub off. Has A, B, C1, C, D, K, S, L, and T scales. Shipping weight 3/4 lb.

**Olson** 10" SLIDE RULE

★ Engraved Scales

★ All Plastic

**\$4<sup>98</sup>**

Olson TL-467

Scales etched into the surface: LL3, LL2, A, B, B1, C1, C, D, D1, K, LLO, T2, T1, L, and S. Has 0 to 25 centimeter scale. Shipping weight 1 lb.

**Olson** "ELECTRO" SLIDE RULE

★ Leather Carrying Case

Made of specially selected, non-hygroscopic bamboo with scales machine engraved on white plastic. Scales: E, V, A, B, K, C1, C, D, S, T, LL3, LL2, LL1 and L. Shpg. wt. 1 1/2 lbs.

**\$10<sup>98</sup>**

Olson TL-472

★ 14 Scales

**Olson** 10" SLIDE RULE

★ Log Log Dupli Decimal Trigonometric

P scale enables direct "read out" of cosine value.

Scales LL01, LL02, LL03, DF, CF, C1F, C1, C, D, LL3, LL2, 1, LLO0, L, K, A, B, S, ST, T, C, D, D1, P, and LLO. Includes leather case, 14" long. Shipping wt. 1 1/2 lbs.

**\$16<sup>98</sup>**

Olson TL-473

**Custom SHELF ACCESSORIES**

Brackets are adjustable at 1" intervals. Shipping weight 1/4 lb.

**6" TO 12" BRACKETS**  
As Low As **32<sup>c</sup>**

Choice of Finishes

Gold Stk. No.	Silver Stk. No.	Shelf Widths	EACH
HW-17	HW-21	6"	32c
HW-18	HW-22	8"	36c
HW-19	HW-23	10"	40c
HW-20	HW-24	12"	45c

**12" STRIP WALL STANDARDS**

INTERLOCK TO ANY LENGTH **24<sup>c</sup>**

Gold No. HW-29  
Silver No. HW-30  
Shipping weight 1/4 lb. ea.

# Olson 3 KITS IN 1

FUN! EDUCATIONAL!

**\$149**

- ★ Comes with Hardware & Wire
- ★ Magnet
- ★ Motor
- ★ Buzzer
- ★ Safe—Battery Operated
- ★ Easy-To-Follow Illustrated Instructions
- ★ Uses Standard Flashlight Battery

## Olson Educational EXPERIMENTER KIT

**\$19.98** No. KB-203

- ★ 25 Exciting Projects
- ★ All Transistor Projects
- ★ No Soldering
- ★ Safe—Easy—Fun

Electronics hobbyists of all ages will enjoy learning as they construct exciting projects. Just a few of the more interesting kits are: telephone amplifier, three transistor radio, burglar alarm, telegraph transmitter, wireless audio transmitter, acoustic relay, two transistor phono amplifier, signal tracer and many more. Each project can be assembled and disassembled many times. All are battery powered and completely safe. Includes easy to follow, illustrated instructions. Shipping weight 4 lbs.

### 3 IN 1 ELECTRONIC KIT

**99¢** Olson KB-187

- ★ Build Buzzer & Bell
- ★ Build Telegraph Key

Complete kit of parts for building buzzer, bell and telegraph key. Mechanical parts, wire, hardware and easy to follow instructions are included. Shipping weight ¼ lb.

### Olson 2-Pole MOTOR KIT

**\$1.10** Olson KB-186

- ★ Complete with Instructions

All mechanical parts are designed to fit together easily. Complete with easy to follow, step-by-step instructions. Shipping weight ¼ lb.

### Olson EXPERIMENTERS KIT

**\$1.19** Olson KB-168

4 for \$3.90

4 for \$3.90

Complete kit of parts and instructions for performing 6 different experiments involving resistance and current. (Requires 1 standard penlight battery, not included. Shipping weight ¼ lb.)

### Olson 7 in 1 ELECTRONICS KIT

**\$4.49** Olson KB-188

- Build 7 Different Circuits
- Kits Can Be Assembled Many Times

Motor, bell and lights. Wires have quick-clip connectors. Operates on flashlight batteries. Size 8¼" x 7¾". Batteries (2 req'd.) No. BA-53 Ea. 13c

# NEW-TRONICS HUSTLER CB ANTENNAS

## NEW CB-AM-FM WHIP ANTENNA

Model TCS-27-M

**\$15.25** AA-231

- ★ Tunable and Weather Proof
- ★ Stainless Steel Tip Rod
- ★ Includes Automotive Mtg.
- ★ Excellent Results on CB-AM or FM

Shipping weight 1½ lbs.

## NEW DOUBLE-TALK

Model STD

- ★ 2 Fiberglass Tunable Antennas

**\$24.95** Olson AA-232

- ★ 2 Trunk Groove Mounts
- ★ 18 Ft. Matching Harness
- ★ Uniform Gain Pattern

Shipping weight 3 lbs.

## NEW CB BASE STATION ANTENNA

Model PRO-27 JR

**\$24.95** AA-230

- ★ Best Low Angle Radiation Pattern
- ★ Telescoping Tubing
- ★ Omnidirectional
- ★ Highest Quality Construction

Shipping weight 9 lbs.

# Olson 3 TRANSISTOR WALKIE-TALKIE

- ★ Rugged Construction
- ★ No License Required
- ★ Sturdy Molded Case
- ★ 30" 9-Section Telescoping Antenna
- ★ Shaped to Fit Hand
- ★ On-Off-Switch
- ★ Push-to-Talk Switch



CAMPING COMPANION

Size: 5" H. x 2¼" W. x 1¼" D. Shipping weight 2 lbs.

**\$5.96** EA. RA-826

Battery for above (1 req'd.) Olson BA-89 21¢



## FANON 2-CHANNEL WALKIE-TALKIE

"Beep" Call Signal (1300 c/s)

- ★ 500 MW.
- ★ 11 Transistors
- ★ Battery Strength Meter

**\$33.75** CB-81

- ★ Variable Squelch
- ★ Equipped with Channel 9 Crystals
- ★ Operates on 8 Penlight Batteries
- ★ 11 Section, 52" Antenna
- ★ 8" x 3½" x 1½" Shipping wt. 2 lbs.



## Olson 4-TRANSISTOR WALKIE-TALKIE

- ★ Telescoping Antenna
- ★ Rugged Construction
- ★ With Leather Strap

**\$6.99** EACH Olson CB-42



Lever action switch for easier operating. Plastic case. 9-section antenna telescopes 39¼" from top of case. Operates on popular 9-volt transistor battery (included). Size: 5¾" H. x 2¾" W. x 1½" D. Leather carrying strap included. Shipping weight 2 lbs.

## PACE-MATE 2 WATT WALKIE TALKIE

- ★ Automatic Gain Control
- ★ Automatic Noise Limiting
- ★ Double Conversion—Superheterodyne
- ★ Squelch Control
- ★ Input for Mobile Antenna

Size: 7¾" H. x 3¼" W. x 1¾" D. Shipping weight 3 lbs.

**\$99.95** Olson CB-90

\$10 MONTHLY

- NI-CAD Battery Pack and Charger Olson CB-91 \$19.95
- 12 V. DC Power Cord Olson CB-92 \$3.95



## Standard 2-Watt WALKIE-TALKIE

- ★ 13 Silicone Transistors

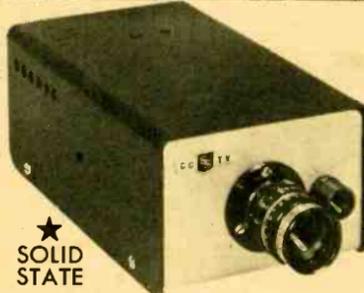
**\$59.99** CB-76 \$7 MONTHLY

- ★ 2 Channel (9 and 14) Crystals Included
- ★ Squelch Control
- ★ Can operate from 12-V battery
- ★ Includes a built-in solidly anchored 10 stage, 77.6" whip antenna
- ★ Built-in squelch control
- ★ Battery life indicator
- ★ Size: 8¼" H. x 2¾" W. x 2¾" D.

Shipping weight 3 lbs. Batteries, 8 req'd. BA-41 Ea. 13c



# CCTV, VTR and ACCESSORIES



## SQUIRES SANDERS TV CAMERA

SIZE: ONLY 3" H. x 4½" W. x 7¾" D. ★ COMPLETE WITH f 1.4 13mm LENS

Mfr's 1967 list price **\$289.95**

**\$150**

**\$9 MONTHLY** Olson TV-154

### APPLICATIONS UNLIMITED

- SECURITY
- MATERIAL HANDLING CONTROL
- TRAFFIC CONTROL
- TRAINING
- EDUCATION
- BABY SITTER ETC.

## CONCORD VIDEO TAPE RECORDER



Model VTR-500

**\$1050**

LOW MONTHLY TERMS AVAILABLE

For Home, Education, Industry, Medicine, Record picture and sound on the same tape. Play back instantly... no developing or processing. Record and play-back through your TV set.

### ACCESSORIES:

- 9" Monitor and All channel TV receiver. Model MR-500 \$160.00
- ½" Recording tape on 7" reel with storage container. 2400 ft., VT-1 \$42.50
- Converter to match output of recorder to TV set. RFC-5 \$59.50
- Camera tripod w/pan and tilt head, TPR-16 \$27.50
- Clip-on view finder for camera, VWF-1 \$10.00
- TV. Camera, MTC-12 \$299.50

### AUTOMATIC SCANNING ADAPTER

Pans Camera Left & Right Up to 165° **\$89.95** Olson TV-180 \$9 MONTHLY

- ★ 3 Ranges: 90°, 120° & 165°
- ★ Adjustable Camera Angle
- ★ Includes Mounting Bracket
- ★ Operates on 110-120 V. AC

Size: 10" x 6" x 6". Shpg. wt. 6 lbs.

### Olson CDS EXPOSURE METER

For Movies and Still Photography **\$10.99** Olson ME-151

Has built-in viewing window. ASA 6 to ASA 3200, DIN 9 to DIN 36, 4 minutes to 1/2000 sec. F stops from 0.7 to 32. EV from 23 to -2. Case and strap. Size: 3¼" x 2" x 1". Shpg. wt. ¼ lb.

### All Channel 75 SQ. INCH PORTABLE TV

★ TV Camera Monitor **\$89.95** Olson TV-142 \$9 Monthly

Only 19½ lbs. Has clear, sharply defined picture. Aluminized picture tube. Operates on 110 to 120 V. AC, 50/60 cps. Shpg. wt. 22 lbs.

### CAMERA TO SET ADAPTER WITH AUDIO

★ Matches Camera to TV Set **\$54.98** Olson TV-133 \$7 MONTHLY

★ Transmits Sound and Picture to Your TV Set  
★ Only One Cable from Camera to TV Set  
Shipping wt. 2 lbs.



Tape Lectures, Speeches etc. for Viewing Later

## Olson TV CAMERA

Olson TV-132

**\$214**

(Less lens) \$13 Monthly



NEW! VIDEO & RF OUTPUTS

IDEAL FOR BUSINESS, HOME, INSTITUTIONS, SCHOOL, FOR OBSERVATION, SECURITY, TEACHING, HOBBIES, ETC.

## Olson TV CAMERA ACCESSORIES

- STANDARD LENS: 25mm. F1.4, F stops from 1.4 to 22. Focus from 2 feet through 50 feet to inf. Standard C type mount. Shpg. wt. 1½ lbs. TV-117 **\$30**
- TELE-PHOTO LENS: 50mm. F1.4, F stops from 1.4 to 22. Focus from 3.5 through 60 feet to inf. Standard C type mount. Shpg. wt. 1½ lbs. TV-116 **\$59**
- WIDE-ANGLE LENS: 12mm. F1.4, F stops from 1.4 to 22. Focus from 10" through 20 feet to inf. Standard C type mount. Shpg. wt. 1½ lbs. No. TV-115 **\$78**
- TELE-PHOTO LENS: 75mm. F1.4. Standard "C" type mount: No. TV-123 **\$89**
- REPLACEMENT VIDICON TUBE FOR CAMERA: Tube number 7038. Shipping weight 1½ lbs. No. TV-118 **\$99**
- TV CAMERA-TO-SET ADAPTOR: Adapts TV camera to any standard television set. No. TV-111 **\$39.98**
- 55 FEET OF EXTRA RG59 U CABLE: No. W-414 **\$3.49**
- Universal CAMERA MOUNT: Rugged construction. Mounts on wall. Olson TV-125. Shpg. wt. 8 lbs. **\$17.95**

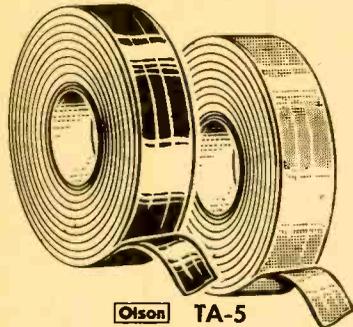
Easy to operate TV camera connects to your present television set to make a complete closed-circuit TV system. Olson TV-132 is easy to connect too—all cables and plugs are included. Requires no internal connectors to the TV set, just connect to antenna terminals. (Note, TV set can still be used for regular reception). CCTV has many applications at home, in business, schools, hospitals. Use wherever you want to observe activities from a remote location, whether you want to keep an eye on the children at the pool or the drama of an operating room. Output level: 1.5 volt peak to peak video. Resolution: H 500 lines. Size: 9½" L. x 5¾" H. x 3¾" W. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 7 lbs. W. E. Glenn, 197 Strawberry Hill Avenue, Stamford Ct., 06902; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

# Olson®

# VALUE LINE *Your Choice*

# \$1.19 EA. 4 for \$4

## Insulating TAPE



Olson TA-5

2 rolls of 3/4" wide, self-sticking plastic insulating tape. 2 colors: one roll red, one roll black. Two 33' rolls. 1/4 lb.

**NEON PILOT LIGHTS**  
 Kit of 3 No. PL-148  
 Has built-in neon lamp. Jewel front for maximum brightness. Kit contains two red and one yellow light. Includes 3 dropping resistors. For use on 110-120 V. AC. Shpg. wt. 1/4 lb.



**Center-Off Toggle**  
 Kit of 2 No. SW-156  
 DPDT center off toggle switches. Rated 6 amps @ 125 volts or 3 amps @ 250 volts. Size: 3/4" x 1 1/2" x 3/4". 1/4 lb.



**Speaker Control**  
 No. SW-133  
 Reduces volume of one speaker while increasing volume of other speaker. With hardware. 1/4 lb.



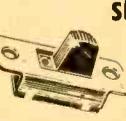
**ALLIGATOR CLIPS**  
 ★ Kit of 10 No. HW-62.  
 Kit of 10 insulated Alligator clips, 5 red clips and 5 black clips. Asst. sizes. 1/4 lb.



**Switch Kit**  
 Push Button No. SW-173  
**INCLUDES:** cable connectors, mounting plate, hardware and instructions. For rear seat speaker installations. 1/4 lb.



**Slide Switches**  
 Kit of 6 No. SW-153  
 Assorted SPST, SPDT, DPST and DPDT. 1 amp. 125 volts. Size: 1/2" x 7/8" x 1 1/4". 1/4 lb.



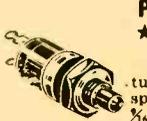
**ELECTRICIAN'S TAPE**  
 66-ft. Roll No. TL-268  
 3/4" plastic self-sticking electricians tape. Shpg. wt. 1/4 lb.



**9V Battery Snaps**  
 Kit of 6 BA-102  
 Pkg. of 6 battery snaps to fit popular 9 volt battery in transistor radios, etc. Shipping wt. 1/4 lb.



**Push Switches**  
 ★ Kit of 5 (Olson) SW-348  
 Five S.P.S.T. miniature push switches, spring return. Size 3/8" x 3/8". Shipping wt. 1/4 lb.



**Miniature Plugs & Jacks**  
 6 PAIRS (Olson) J-1  
 6 assorted pairs. Jacks are closed circuit type. Ideal for transistor earphones and receivers. Shipping weight 1/4 lb.



## EARPHONES • RADIOS • TAPE RECORDERS • WALKIE TALKIES

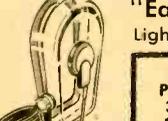
**Binding Posts**  
 Kit of 10 No. HW-61  
 Will take alligator clip, banana plug, tip plug, spade lug, or wire. 1/4 lb.



**Toggle Switches**  
 Kit of 3 No. SW-154  
 (SPST and DPDT). Rated @ 3 amps 125 volts. Size: 1 1/4" x 3/4". 1/4 lb.



**"Ear-Ease" Earphone**  
 Lightweight—Comfortable  
 PH-137 3 for \$9.30 **\$3.29**



**Olson Earphone Extension Cord**  
 ★ 25 FEET  
 YOUR CHOICE  
 PH-138 Has 2.5MM Plug 99¢ 4 for \$3.50  
 PH-139 Has 3.5MM Plug 99¢ 4 for \$3.50  
 Extend earphone 25 feet from radio, TV, tape recorder, etc. With plug and jack. Soft flexible 2 cond. cable. Shipping weight 1/4 lb.



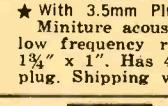
**Loopsticks**  
 Kit of 3 No. L-75  
 Kit of 3. All directional radio antenna. Pulls in distant radio stations with remarkable ease. 1/4 lb.



**Tube Sockets**  
 KIT OF 6 SC-2  
 Kit of 6. Consists of 3 each miniature 7 pin and 9 pin tube sockets. Shipping weight 1/4 lb.



**Olson Dynamic EARPHONES**  
 ★ Reversible Ear Hook  
 ★ 5' Cable with Plug  
 ★ 8 Ohms. Shpg. wt. 1/4 lb.  
 PH-123 \$2.49 3 for \$7  
 Same as above but has 25' Cable No. PH-141 \$2.69



**Olson 2,000 ohm EARPHONE**  
 ★ With Plug & Jack  
 ★ Padded Ear Hook Shpg. Wt. 1/4 lb.  
 PH-131 \$1.29 3 FOR \$3.57 ea.



**Pilot Lights**  
 Kit of 5 No. PL-64  
 Jeweled pilot light assemblies with bayonet base sockets. 2 with red jewels. 2 with green and 1 amber. 1/4 lb.



**Pilot Lamp SOCKETS**  
 ★ Kit of 10 Asst. No. AS-848  
 For bayonet type bulbs. Perfect for replacement in radio, TV or phono. Shpg. wt. 1/4 lb.



**Olson 15 ohm EARPHONES**  
 ★ Kit of 2 ★ Resp. 50-4,000 Cps  
 ★ 3/4x3/4" Dia. Shpg. wt. 1/2 lb.  
 PH-112 **49¢**



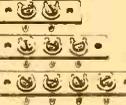
**Olson DYNAMIC EARPHONES**  
 ★ Pkg. of 2 ★ 8 Ohm  
 ★ With Cable & Plug  
 PH-125 **99¢**



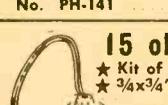
**Trimmer Capacitor Kit**  
 6 Pieces No. C-178  
 Low-loss ceramic base. Convenient screwdriver adjustment, Shpg. wt. 1/4 lb.



**Lug Terminals**  
 Kit of 13 No. HW-60  
 Size: 3/8"x3/8" lengths: 1 1/2" 2 1/4" & 2 3/4". 1/4 lb.



**Olson 8 ohm EARPHONE**  
 ★ With 8 ft. Cable & Plug  
 ★ Use with Radio-TV-Phono, Etc.  
 PH-135 **99¢** 4 for \$3.50



**Olson 15 ohm EARPHONE**  
 ★ With Cable Plug & Jack  
 ★ Padded Ear-Hook  
 Shipping Weight 1/4 lb.  
 PH-130 **\$1.29** 3 for \$3.57 EA.



**Panel Indicators**  
 No. PL-65—Kit of 2  
 (1 red, 1 green) with 6 volt bulbs. 3/8" dia. x 1" long. 1/4 lb.



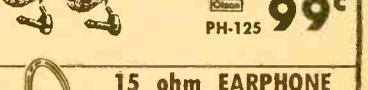
**A.C. Chassis Sockets**  
 Kit of 8 No. X-803  
 Bag of 8. Rated for 117 volts. 10 amps. Mount in 1/2" x 1/8" hole. 1/4 lb.



**Olson 8 ohm EARPHONE**  
 ★ With 8 ft. Cable & Plug  
 ★ Use with Radio-TV-Phono, Etc.  
 PH-135 **99¢** 4 for \$3.50



**Olson 15 ohm EARPHONE**  
 ★ With Cable Plug & Jack  
 ★ Padded Ear-Hook  
 Shipping Weight 1/4 lb.  
 PH-130 **\$1.29** 3 for \$3.57 EA.



**Switches & Controls**  
 Kit of 12 No. SW-349  
 12 assorted selector switches and volume controls. Shipping wt. 2 lbs.



**Transistor Sockets**  
 Kit of 10 No. SC-1  
 Takes transistors with three contacts in line or triangle (JEDEC) Size: 3/8" x 1/4". 1/4 lb.



**Olson 8 ohm EARPHONE**  
 ★ With 8 ft. Cable & Plug  
 ★ Use with Radio-TV-Phono, Etc.  
 PH-135 **99¢** 4 for \$3.50



**Olson 15 ohm EARPHONE**  
 ★ With Cable Plug & Jack  
 ★ Padded Ear-Hook  
 Shipping Weight 1/4 lb.  
 PH-130 **\$1.29** 3 for \$3.57 EA.



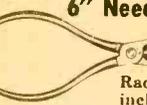
**PLUGS & JACKS**  
 Kit of 4 pairs No. J-3  
 Kit of 4 pairs banana plugs and jacks. 2 red pairs and 2 black pairs. With soldering lug. Shipping weight 1/4 lb.



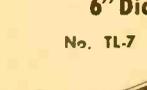
**Push-Button BINDING POSTS**  
 Pkg. of 2 No. HF-78  
 Accepts tip plug or wire up to 12 gauge. Includes one red and one black plus all hardware. 1/4 lb.



**6" Needle Nose Pliers**  
 No. TL-5  
 With side cutters. For Radio and TV repair. 6 inches long. 1/4 lb.



**6" Diagonal Cutters**  
 No. TL-7  
 6-in. heavy duty; cuts the finest to the toughest wire. Shipping wt. 1/4 lb.

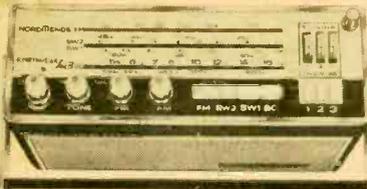


**33-B**



**NORDMENDE**

**GLOBETRAVELLER SEA-B**



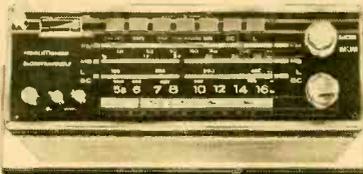
**\$129<sup>95</sup>**

- ★ Solid State Circuitry
- ★ 4 Bands
- ★ 3 Pre-set Buttons for FM reception
- ★ Portable or in the Home. Built in AC.

A truly outstanding creation of exceptional performance and styling. As a car radio—as a portable—at home. Outstanding features include 4 bands (including AM-FM) 4 watts output (in car or boat) mesa transistors, AFC control, 5 1/4" wide band speaker. Jacks for outdoor antenna, earphone, headphone, extension speaker, phone, tape recorder and separate amplifier.

**NORDMENDE**

**GLOBETRAVELER II 15 BAND SOLID STATE PORTABLE HI-FIDELITY SYSTEM**



**\$179<sup>95</sup>**

- ★ AM-FM-LW Marine
- ★ 11 Spread SW Bands
- ★ Wide Band Switch
- ★ Built-in AC

Now you can tune-in the Whole World. With the most powerful, and most complete radio, you can listen to Russia, Egypt, Israel, Vietnam and any other country you please. Excellent quality of tone makes this a true Hi Fidelity System.

**Parts BARGAINS**

**PRI Precision Radiation Instrument SCINTILLATOR Model 111B**

**250 Times as Sensitive as a Geiger Counter**

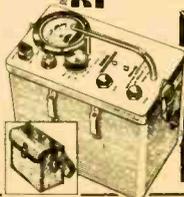
Some are repairable, many are not, but the salvage value is tremendous. Each one is jammed full of quality parts.



**SALE!**

"AS IS" **\$19<sup>95</sup>**  
ME-152

**PRI Precision Radiation Instrument SCINTILLATOR Model PRI 117**



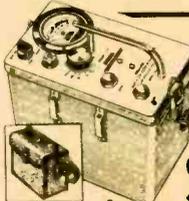
**SALE!**

**\$9<sup>99</sup>**  
ME-145 "AS IS"

**PRI Precision Radiation Instruments SCINTILLATOR**

**60 TIMES** The Sensitivity of A Geiger Counter

★ Original Factory Cartons



Mfr.'s 1955 LIST PRICE **\$299.50**

Olson ME-121 **\$49<sup>98</sup>**

The Model 117B has sixty times the sensitivity of a Geiger counter. The detecting element is a 1" diameter x 1/2" thick Thallium activated Sodium Iodide crystal hermetically sealed and optically coupled to an RCA 6199 photomultiplier tube. The tube and crystal assembly is enclosed within the instrument case and is magnetically shielded. Operating ranges of the Model 117B are .025, .05, .25, .5, 2.5 and 5 milliroentgens per hour. Shipping weight 11 lbs.

Complete Set of Batteries **\$6.38**  
No. AS-846

**PANASONIC**

Olson TV-152

**\$129<sup>95</sup>**  
**\$11 MONTHLY**

16 SQ. INCH TV

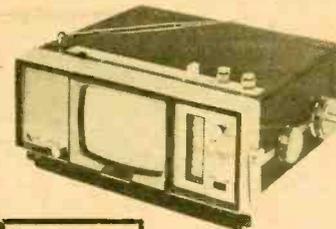
★ Dark-Tint Screen



- ★ Solid State
- ★ Aluminized Tube

Distinctive modern lines complement the smart interior of the executive office or today's most fashionable decor. Has 90" aluminized picture tube for true picture detail. New "dark-tint" screen assures pleasing contrast indoors or out. Eliminates annoying reflections. Receives all channels—UHF and VHF. Includes earphone for private listening. Size: 7 1/2" H. x 8 3/4" W. x 10 1/4" D. Operates on 110-120 volts AC, 50/60 cps. or optional 12 volt battery. Shipping weight 11 lbs.

**CROWN 4" Diagonal TELEVISION With FM-AM RADIO**



TV-150 \$9 MONTHLY **\$139<sup>95</sup>**

- Thirty Transistor Circuit
- Operates on Battery or House Current

- All Channel Tuner—UHF—VHF
- Rechargeable Battery (Optional)
- 9 Sq. Inch Viewing Area
- Built-In Antennas
- Earphone Included
- Weighs Less Than 9 lbs.
- Size: 3 3/4" x 9 3/4" x 8 1/2"
- Shipping weight 11 lbs.

Nickel-Cad. Rechargeable Battery Pack, Olson TV-151 **\$26.95**

**SURVEILLANCE EQUIPMENT**

**VALUE**

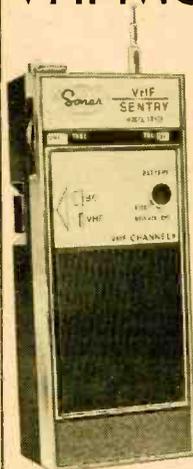
UP TO **50% OFF** OUR 1967 PRICES

Stop in for a **FREE** demonstration

- ★ In-line-Infinity Transmitters
- ★ Telephone & Drop-In Transmitters
- ★ Ultra-Sensitive Microphone Transmitters

(Not available where prohibited by law)

**Sonar SENTRY PORTABLE VHF MONITOR**



- ★ Instant Police-Fire & Marine
- ★ Crystal controlled 2 channel
- ★ Built-in AM Radio
- ★ Pocket Size
- ★ Complete with Battery, Earphone & Carrying Strap

**\$39<sup>95</sup>**  
LESS CRYSTALS

Crystals each \$5.00

**Olson 100 WATT Solid State AM-FM FM STEREO RECEIVER**



Limited Quantities **\$189<sup>98</sup>**  
RA-69

- ★ Stereo Indicator Light
- ★ Tuning Meter
- ★ Slide Rule Tuning
- ★ Inputs—Magnetic, Crystal, and Aux
- ★ Tape output Jack
- ★ Low Silhouette Design

**32-B**

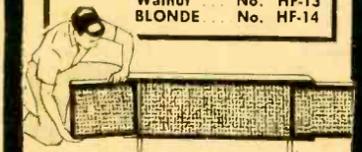


MAKE YOUR OLD SPEAKER CABINETS LOOK LIKE NEW!

36" x 36" GRILLE FABRIC

**SALE**  
REG. \$2.25  
Only **\$1.79**

Walnut No. HF-13  
Blonde No. HF-14



Pattern may vary from illustration. An Olson Best Buy! Shipping weight 1 1/4 lb.

MATCHED GRILLE FABRIC

2 PIECES 11" x 26"  
Both 55c Walnut, No. HF-19  
Blonde, No. HF-18  
You get two pieces 11" x 26" of the same color and pattern. Patterns may vary from illustration. Shpg. wt. 1/2 lb.

24" x 36" Olsonsone Grille Fabric  
**\$1.52** WALNUT HF-16

BLONDE HF-15  
★ Won't Snag, Scuff, Fade  
Pattern may vary from illustration. An Olson BEST BUY! Shpg. wt. 1 1/4 lbs.

6 Pc. Grille Cloth Kit  
**99c** HF-20  
★ From 7" x 10" to 12" Mahogany & Blonde  
★ Different Patterns  
Shipping weight 1/4 lb.

ACOUSTICAL FIBERGLASS  
**Olson** ★ Easy To Use



Ideal for lining speaker cabinets. Easy to cut, glue or staple. 9 sq. ft. package. Shipping weight 2 lbs.

ACOUSTIC FOAM 72" x 18" x 1/2"  
No. HF-12, 3 for \$6 Ea. **\$2.57**

**Olson** DECORATOR GRILLE FABRIC  
★ Vinyl Plastic

Made of finest quality vinyl plastic, woven with proper mesh for passage of high frequencies as well as low. Your choice of latest patterns and beautiful decorator colors.

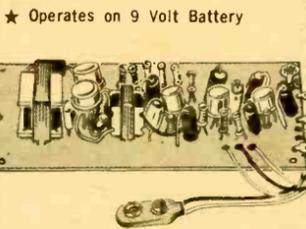


PKG. OF 2 MATCHED PIECES  
C 11" x 26" Walnut or Mah., HF-124 \$3.99  
D 11" x 26" Blonde, HF-125 \$3.99

35" x 12" UNIVERSAL PATTERN  
Color and weave are carefully selected to blend with and complement most of today's popular wood finishes. Matches Blonde, Walnut, Fruitwood, etc.  
E Olson HF-119 \$1.99

BASKET WEAVE  
Bold wood-grain strips run through neutral field of woven vinyl plastic. Will not sag or fade.  
F 12" x 14" Olson HF-117 \$3.99  
G 20" x 38" Olson HF-118 \$4.50

5 TRANSISTOR AMPLIFIER



★ Operates on 9 Volt Battery  
**\$3.99**  
AM-260  
COUPON VALUE

Size: 2" x 4" x 1". Power output: 300 mw. Output impedance: 8-11 ohms. Shpg. wt. 1/2 lb.  
9 Volt Battery, BA-89 21c

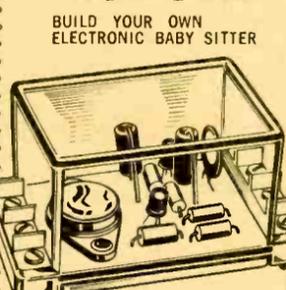
Solid State AMPLIFIER KIT



★ Modular Construction  
KB-202 **\$9.99**  
2 for \$18

Amplifier was originally designed for a tape recorder. It is completely assembled in two parts, amplifier and power supply. Includes speaker, output transformers, low impedance microphone and power cord. Operates on 110 to 120 volts AC, 50/60 cps. Shpg. wt. 4 lbs.

INTERNATIONAL RECTIFIER Transistor MODULE



BUILD YOUR OWN ELECTRONIC BABY SITTER  
Mfrs. 1967 list price \$8.95  
Olson TR-121 **\$1.99**

★ Factory Assembled Module  
★ Circuit Includes 3 Transistors  
★ Just add Speakers and Battery  
★ Operates on 6 Volts DC  
★ Schematic Diagram Included  
Size: 3 1/4" x 2" x 2". Shipping weight 1/2 lb.

MINIATURE DYNAMIC MIKE CARTRIDGE



★ With Transformer  
M-265 **\$3.99**

Exact replacement for many slim dynamic mikes. Only 1 1/4" dia. x 1 1/4" deep. Impedance matching transformer is mounted on cartridge. Resp.: 50 to 12,000 cps. Sensitivity: -55 db. Impedance: 50K ohms. Shipping wt. 1 lb.

DUAL IMPEDANCE CARTRIDGE  
50 and 50K ohms. -52 db. Response: 40-13,000 cps. Size 1 1/8" dia. x 1 1/4" deep. Shipping weight 1 lb.  
M-291 **\$3.99**

DUAL IMPEDANCE CARTRIDGE  
600 and 50K ohms. Response: 40 to 14,000 cps. -53 db. 1 1/4" dia. x 1 1/4" deep. Shipping weight 1 lb.  
M-292 **\$3.99**

Sekonic LIGHT METER

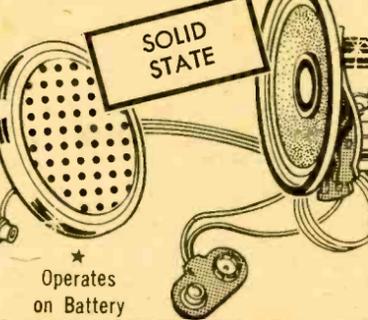


ME-140 **99c**  
5 for \$4  
Genuine Sekonic light meter. Originally manufactured for use in the Kodak Motomatic 35 camera. Consists of a selenium cell and 0-54 ua. d'Arsonval meter. Meters are new in individual plastic cases, but are slightly irregular. A scale is not provided but you can easily make and calibrate to suit your application. Size 1" x 2 1/4". Shipping weight 1/4 lb.

12 VOLT DC POWER SUPPLY



X-54 **\$4.86**  
★ Completely Assembled • Output 150 ma.  
★ 117V. AC Input • Silicon Diodes  
★ Well Filtered • Size: 2 3/4" x 2 3/4" x 1 3/8"  
★ Shipping weight 2 lbs.  
Heavy Duty Power Supply, 12V. DC at 1 Amp. 117V. AC Input  
Olson X-55 \$7.99



MINI-P.A.  
Olson COUPON VALUE  
AM-327  
3 @ \$1.59  
12 @ \$1.29  
Consists of a carbon mike connected to a one transistor amplifier which is mounted on the back of a 2 1/4" PM speaker. Operates on a 9 volt battery (not included). Shipping weight 1 lb.

Olson VALUE Ea. \$1.99 4 for \$5 Olson

3-Circuit 1/4" Plugs  
PKG. OF 3  
No. PL-146 **\$1.39**  
Commonly used on push to talk mikes and stereo headphones. Standard 1/4" dia. barrel. 1/4 lb.

Adapter Plug Kit  
HF-25 **\$1.39**  
Adapts from miniature phone plug to standard phono plug, from standard phono plug to miniature phone plug, from miniature phone plug to standard 1/4" phone plug. Shipping weight 1/2 lb.

Mini-Plug to 1/4" Plug Adapter  
★ Pkg. of 2 Olson HF-99 **\$1.39**  
Accepts "tiny" phone plug and converts to standard 1/4" phone plug. All metal, shielded construction. Shipping weight 1/4 lb.

Phono Plug Adapters **\$1.39**  
Kit of 3 No. HF-7 Kit of 3 inline adapters to convert RCA type phono plug to standard 1/4" phone plug. Size: 1/2" dia. x 2 1/4". 1/4 lb.

1/4" PHONE PLUGS Per Kit **\$1.39**  
★ KIT OF 4 No. X-253  
Plugs into 1/4" phone jack. 1/4 lb.

Phono Plugs & Jacks **\$1.39**  
Kit of 10 Pair No. HF-24  
RCA type. Plugs mount on end of shielded cable and have clamp type strain relief. Round type chassis mounting jacks. 1/4 lb.

Phono Pin Jacks **\$1.39**  
Kit of 6 No. HF-5  
Kit of 6. Takes RCA type pin plug. Mount on single 1/4" hole. Plated. Size: 3/8" x 3/8". 1/4 lb.

Phono Pin Plugs **\$1.39**  
Kit of 5 No. HF-21  
All metal. New design makes soldering easy. Size: 3/8" dia. x 1 1/4" long. 1/4 lb.

Phono Pin Plugs & Jacks **\$1.39**  
3 Pairs No. HF-4  
3 plugs and jacks for making audio connections. Size: 3/8" diam. x 1 1/4" long. 1/4 lb.

D.I.N. AUDIO PLUGS  
★ 3 Circuit and 5 Circuit  
★ 1 Plug and 1 Jack Per Pkg.  
3 CIRCUIT No. HF-26 **\$1.39**  
5 CIRCUIT No. HF-27 **\$1.39**

Genuine D.I.N. Audio Plugs and jacks are completely shielded and insulated. Insulating sleeves are easily removed to expose the solder connections. Shipping weight 1/4 lb.

3-Circuit Phone Jacks **\$1.39**  
★ Pkg. of 3 Olson HF-101  
Standard 3-circuit 1/4" phone jacks. Accepts 3-circuit plug commonly used on stereo headphones and microphones. Shpg. wt. 1/4 lb.

1/4" Phone Jacks **\$1.39**  
★ Kit of 5 No. HF-6  
Open and closed circuit takes any standard 1/4" phone plug. Shipping weight 1/4 lb.  
Barton T. Lyman, 205 Dupont Circle, Wilmington, Del. 19809; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

Dual Inline Jacks **\$1.39**  
Kit of 4 No. HF-9  
Dual inline phono jacks allow connection of two audio cables having phono pin plug ends. Size: 1/2" dia. x 1 1/2" long. Shipping weight 1/2 lb.

Phone Plug Sets **\$1.39**  
2 Pairs No. HF-22  
Two pair of male and female 1/4 inch phone jacks and plugs. Color coded black and red identification. Shpg. wt. 1/4 lb.

Phono Plug Adapters **\$1.39**  
Kit of 2 No. HF-8  
Convert standard 1/4" phone plugs to RCA type phone plug. Size: 1" dia. x 2 1/4". 1/4 lb.

Mini-Phone Plugs & Jacks **\$1.39**  
3 PAIRS No. J-2  
Kit of 3 pairs of miniature, shielded phone type plugs and shorting jacks. Ideal for remote speaker hookups. Small microphones. 1/4 lb.

Phone Plugs **\$1.39**  
SHIELDED  
Kit of 2 No. HF-10  
Kit of 2 shielded standard 1/4" phone plugs. Plated all metal barrel. Screw terminals. 1/4" shaft. Barrel 1 1/4" x 1/4". Shipping weight 1/4 lb.

Phono Pin Plugs & Jacks **\$1.39**  
3 Pairs No. HF-4  
3 plugs and jacks for making audio connections. Size: 3/8" diam. x 1 1/4" long. 1/4 lb.

★ PLUGS, JACKS AND ADAPTERS ★

NEW ADAPTER PLUG  
HF-141 **99c**  
4 for \$3.50  
★ 3 Ckt. 1/4" Plug to 2 Ckt. 1/4"  
★ Metal Construction  
★ Adapts Stereo Headphones for Mono  
Shipping weight 1/4 lb.

Push-Button Terminals 99c  
2 Red & 2 Black Olson HF-100  
Package of four push-button binding posts. 3/4" long x 1/4" dia. Insulated caps are color coded, 2 red and 2 black. Shipping weight 1/4 lb.

Olson JUNCTION BOX  
No. PL-152 **99c**  
4 for \$3.50 EA.  
Contains two closed circuit jacks for miniature phone plugs and two plugs. Size: 1 1/2" x 1 1/2" x 1/2". Shpg. wt. 1/4 lb.

Olson Audio Patch Cables  
★ Flexible Shielded Cable  
★ Tough Vinyl Insulation  
YOUR CHOICE **\$1.98** PAIR  
For all types of audio equipment. 3 FOR \$5.50

6 FT. CABLE NO. HF-88  
has 90° 1/4" phone plug on one end with tinned leads on the other end.

12 FT. CABLE NO. HF-87  
with RCA phone plug on one end and 90° 1/4" phone plug on the other.

12 FT. AUDIO PATCH CABLE  
6 for \$5.50  
No. HF-89, 2 FOR **\$1.89**  
has mini-phone plug on one end and RCA phono plug on the other.

FLEXIBLE "Y" ADAPTER KIT 99c  
Kit of 2, No. HF-53  
Both have 1 male and 2 female connections with 3 1/4" flexible leads. Total length 5 1/2". Shipping weight 1/4 lb.

FLEXIBLE "Y" ADAPTER 99c  
Pkg. of 2 No. HF-91  
Each has RCA type phono plug on one end with 1-RCA type plug and 1-RCA type jack on the other end. Shipping weight 1/4 lb.

Audio Cable Kit **\$1.19**  
No. HF-11  
Consists of 3' audio lead with pin plug, other end tinned and stripped; 6' audio lead with pin plugs; 1 dual inline jack. Shpg. wt. 1/4 lb.

"Y" Adapter Kit 99c  
No. HF-69  
Kit of 2  
One has 3 female connections, other has 2 female and 1 male connection. Total length 5 1/2". Shpg. wt. 1/4 lb.

Retractable 36" Audio Cable  
★ Four Colors  
★ RCA Type Plug  
Your Choice **99c**  
RED No. HF-60  
GREEN No. HF-61  
YELLOW No. HF-62  
GRAY No. HF-63

Retractable 15' Audio Cables  
GREEN No. HF-83  
YELLOW No. HF-84  
GRAY No. HF-85  
BLACK No. HF-86  
YOUR CHOICE **\$2.19** ea.

AUDIO CABLES  
For quick connection between phono, amplifiers, tuners, etc. Shielded cable with grey plastic outer sheath. Shipping weight 1/4 lb.

No. HF-50 **39c**  
4 for \$1  
A Phono pin plug, other end stripped and tinned. 3-ft. cable.

No. HF-49 **69c**  
B 2 phono pin plugs, one on each end. 5-ft. cable.

No. HF-57 **\$1.29**  
C 90° RCA type pin plug on each end. 5-ft. shielded audio cable.

No. HF-64, 3 for **\$1.99** 79c  
D Phono pin plug, other end phono pin jack. 5-ft. cable.

No. HF-51 **69c**  
3 for \$1.50  
E Dual phono cable with pin plugs on each end. Color-coded.

6-FT. No. HF-55, 3 for **\$1.50** \$1.35  
F 5 ft. shielded Cable with 1/4" phone plug.  
No. W-558 3 for \$1.50 59c

AUDIO PATCH CABLE  
★ 3 Ckt. D.I.N. To Dual RCA  
HF-136 **\$1.99**  
2 for \$3.79  
• 6 Ft. Shielded Cable  
• 3 Pin Din Plug  
• Dual RCA Type Phono Plugs  
Shipping weight 1/4 lb.

5 CKT PATCH CABLE same as above but has 5 ckt. D.I.N. plug in place of the 3 ckt.  
Olson HF-135 2 for \$3.79 **\$1.99**

ADAPTER PLUG  
Connects standard 1/4" plug to mini phone plug. 2 1/4" long x 3/8" dia. Dia. of tip is 3.5 mm. Shipping weight 1/4 lb.  
Olson HF-129 **\$1.29**  
3 Kits for \$3.60

1/4" to micro-plug. 25 mm dia. tip.  
Olson HF-128, 3 for \$3.60 ea. **\$1.29**

1/4" Y-ADAPTER  
★ 1/4" Plug & Jacks  
Adapts two 1/4" phone plugs to fit into one 1/4" phone jack. Shpg. wt. 1/4 lb.  
Olson HF-116 **\$1.29**  
3 for \$3.60

MINI POWER PLUG AND JACK 99c  
Pkg. of 2 Pr. HF-77  
4 for \$3.50  
With inverted contacts. Plug size: 1" long x 3/8" dia. with 3/8" dia. barrel.  
Chassis mtg. jack has 15/16 mtg. centers. Shipping weight 1/4 lb.

Universal CABLE KIT  
HF-52 **\$2.19** PER KIT  
Includes phono and phone type plugs plus clips. Shipping weight 1/2 lb.

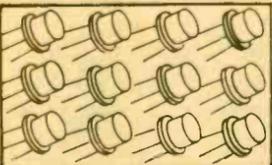
Microphone Adapter Plug  
Has 1/4" phone plug receptacle on rear. Fits onto standard amphenol type mike jack. Shpg. wt. 1/4 lb.  
HF-106 99c

MICROPHONE ADAPTER PLUG  
No. HF-94 **50c** Ea.  
Convert Amphenol screw-on connector to 1/4 phone plug. Shpg. wt. 1/4 lb.

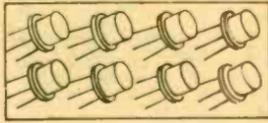
PHONO PLUGS  
★ Color Coded, Pkg. of 5  
Olson HF-3 **99c**  
4 for \$3.50  
Insulated caps are coded for easy identification. Size: 1" L. x 3/8" D. Shpg. wt. 1/4 lb.

# Olson COUPON SALE

★ BRAND NEW! PNP TRANSISTORS  
★ Made by a leading U.S.A. Manufacturer ★ First Quality



12 PNP General Purpose AUDIO



8 PNP High Frequency AUDIO

BAG OF 12 Olson TR-25

These first quality audio transistors will work in most audio circuits as replacements or use them for 90% of experimental audio applications. Replaces many popular numbers without circuit changes. With full length wire leads. Shpg. wt. 1 1/2 lbs.



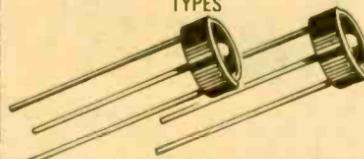
Olson TR-24 BAG OF 8

First quality transistors with full length leads. Ideal for experimental and replacement needs in high frequency audio circuits. Replaces many popular numbers without circuit changes. Shipping weight 1 1/2 lbs.

## NEW! NEW! NEW! NEW!

### EPOXY REPLACEMENT TRANSISTORS

5 SELECTED TRANSISTORS REPLACE OVER 6,000 FOREIGN & DOMESTIC TYPES



PKG. OF 2  
5 PKGS. FOR \$4.50  
**99c** EA.

Olson TR-131 P.N.P. General purpose low noise amplifier. Breakdown—60 volts, gain 100-300 at 150 ma. Frequency—200 mc. Replaces: 2N43, 2N44, 2N59, 2N60, 2N65, 2N104, 2N109, 2N291, 2N303, 2N311, 2N486, 2N563 plus 100's more.

Olson TR-132 P.N.P. High speed switch, amplifier and oscillator. Breakdown—20 volts, gain—30 at 10 ma. Frequency—400 mc. Replaces: 2N63, 2N64, 2N78, 2N106, 2N128, 2N130, 2N146, 2N175, 2N207, 2N217, 2N220, 2N265, 2N344, 2N405, 2N409, 2N482, 2N501 plus 100's more.

Olson TR-133 N.P.N. R.F. and I.F. amplifier. Breakdown—70 volts, gain 50 to 200 at 10 ma. Frequency—250mc. Replaces: 2N103, 2N117, 2N118, 2N194, 2N211, 2N213, 2N216, 2N228, 2N233, 2N263, 2N292, 2N306, 2N433 plus 100's more.

Olson TR-134 N.P.N. High speed switch. Breakdown—40 volts, gain—30-120 at 30 ma. Frequency—350 mc. Replaces: 2N706, 2N707, 2N708, 2N717, 2N719, 2N743, 2N744, 2N834, 2N835, 2N852, 2N920, 2N1708 plus 100's more.

Olson TR-135 N.P.N. General purpose amplifier and switch. Breakdown—60 volts, gain—100-300 at 150 ma. Frequency—250 mc. Replaces: 2N1964, 2N1965, 2N2220, 2N2221, 2N2222, 2N2310, 2N2312, 2N2316, 2N2350, 2N2364, 2N2396, 2N3642 plus 100's more.

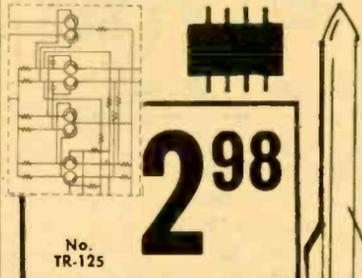
## IC INTEGRATED CIRCUIT EXPERIMENTER KIT

- ★ Includes 2 Fairchild U 1914 ICs plus resistors, capacitors and circuit boards
- ★ Detailed instructions for 5 experiments
- ★ Circuits include: gates, logic, flip-flop, monostable multivibrator, square wave generator, squaring circuit, Schmitt trigger, difference amplifier, DC amplifier and AC pre-amplifier
- ★ Complete description of each circuit supplied

Olson KB-213

**\$6<sup>98</sup>**

## IC "Space Age Miracle"



- ★ Complete Subminiature Amplifier
- ★ 8 Transistor Circuit
- ★ 70-100 MW Output
- ★ Suitable for: Phono Amp., Intercom, Gen. Purpose Audio Amp., etc.
- ★ Operates on 4.5 V. DC

Shipping weight 1/4 lb.

## FAIRCHILD IC INTEGRATED CIRCUITS

703 Olson TR-136 **\$1<sup>49</sup>**  
★ Contains: 3 Transistors - 2 Diodes - 2 Resistors  
★ Includes 14 Circuit Drawings For: RF Amplifiers - IF Strips - Oscillators - Color TV IF Amplifier

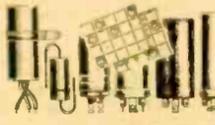
716 Olson TR-137 **\$4<sup>99</sup>**  
★ Contains: 11 Transistors - 6 Diodes - 18 Resistors  
★ Includes 10 Circuit Drawings For: Voltage Amplifiers - Audio Amplifiers - Headset Amplifiers - Regulated Power Supply

Shipping weight 1/4 lb.

## FREE ALARM CLOCK

With Purchase of AS-893

### GIANT 40-Piece Electrolytic Capacitor KIT



AS-893 ALL FOR **\$5<sup>69</sup>**

- ★ Capacities: 10 to 125 MFD
- ★ Voltages From 6 to 450 V.

F.P. twist lock and tubular electrolytic capacitors. Kit contains 40 assorted single, double, and triple capacity electrolytics. Shipping weight 7 lbs.

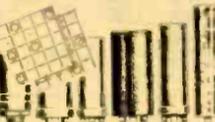
## Electrolytic CAPACITORS KIT OF 20



C-214 **\$2<sup>99</sup>**

F. P. and twist-lock electrolytic capacitors. Kit contains 20 assorted single, double and triple capacity electrolytics. Capacities are from 10 to 80 MFD with working volt ratings from 6 to 450 volts. Shipping weight 3 1/2 lbs.

## ELECTROLYTIC CAPACITORS



KIT OF 50 **\$5<sup>19</sup>**  
AS-418

F. P. and twist-lock electrolytic capacitors at an average cost of 9c each. Kit contains 50 assorted single, double and triple capacity electrolytics. Capacities are from 10 to 80 MFD with working volt ratings from 6 to 450 volts. Shipping weight 7 lbs.

U. Foster, 507 W. Vandall Street, Broken Arrow, Okla. 74012; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

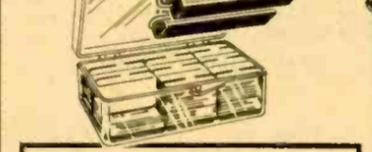
## TUBULAR ELECTROLYTICS

A new high in value, a new low in cost as Olson offers these most popular electrolytic tubulars at rock bottom prices. Full insulation protects against heat and humidity. Shipping weight 1/4 lb. each. Capacitors Size Approx. 2 1/4" x 1/2" Dia.

- 70-30 MFD. @ 150 WVDC No. C-147 EACH **39c**
- 100-150 MFD. @ 150 & 50 WVDC No. C-213. EACH **64c**
- 50-30 MFD. @ 150 WVDC No. C-149 EACH **39c**
- 80-40-20 MFD. @ 150 WVDC No. C-144 EACH **64c**
- 150-50 MFD. @ 150 WVDC No. C-212. EACH **64c**

## NEW! NEW! NEW! NEW!

### 10-Watt Wire Wound Resistors

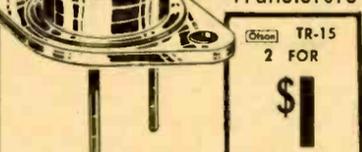


Kit of 27 Most Popular Values **\$2<sup>50</sup>** PER KIT No. R-84

Shipping weight 1 lb.

10-25 Watt Wire Wound Resistors **\$3.29**

## Power Transistors



TR-15 2 FOR **\$1**  
★ High Wattage Type  
A general replacement for high, medium and low wattage types such as 2N234, 2N234A, 2N235, 2N235A, 2N2351, 2N236, 2N36A, 2N36B, 2N342, 2N295, 2N285A, 2N307A, 2N352, 2N353, 2N399, 2N400, 2N401, 2N689.

## Miniature Volume Control With Switch

★ 5,000 Ohms  
4 for \$3.50 **99c**  
Olson VC-258 ea.

For transistor circuits. Complete with switch and knob. Shpg. wt. 1/4 lb. Size: 3/4" dia. (less knob).

## 365 MMFD Variable CAPACITOR

3 for \$2 **81c**  
No. C-861  
7/8" square with short shaft and 1 1/4" dia. transparent engraved dial. Shipping weight 1/4 lb.

## 312 PC. PARTS Assortment



No. AS-845 ALL 312 **\$5**

You get 100 — 1/2, and 1 watt carbon resistors. Also included are 100 disc and tubular ceramic condensers and 100 standard tubular condensers, and 12 popular PNP transistors. Shpg. weight 2 lbs.

## Olson Electrolytic CAPACITORS

★ For Low Voltage Applications  
Your Choice **\$1<sup>19</sup>**

100 MFD @ 50 V., Pkg. of 3, No. C-216  
500 MFD @ 50 V., Pkg. of 2, No. C-217  
1,000 MFD @ 50 V., Pkg. of 1, No. C-218

Highest quality capacitors for extra long service. Sealed in aluminum with vinyl insulation.

## FREE HANDY HOME OILER



with purchase of R-77 RESISTOR KIT BELOW  
★ Flexible container with cap  
★ Shipping weight 1/4 lb.

## 100 PC. CARBON Resistor Kit

Standard Color Codes  
★ **\$1<sup>66</sup>**  
R-77  
1/2 and 1 Watt Shpg. wt. 2 lbs.

## Olson SILICON TRANSISTORS

TO-36 Silicon NPN  
Similar to 2N 1512, 2N 1514. Diffused-junction types. **\$1.98**  
Olson TR-101

TO-5 Germanium PNP  
A pair of 3 amp medium power transistors similar to 2N 1038, 2N 1039, 2N 1040. **\$1**  
Olson TR-102

TO-5 PNP Silicon  
Similar to 2N 1131, 2N 1132 epitaxial planar silicon transistor. **\$1.25**  
Olson TR-106 PACKAGE OF TWO

TO-5 NPN Silicon  
Similar to 2N 334, 2N 335, 2N 336 Grown-junction design. **\$1.49**  
Olson TR-107 PACKAGE OF TWO

TO-5 NPN Silicon  
Similar to 2N 497, 2N 498, 2N 550, 2N 551, 2N 656, 2N 657. Diffused-junction design. **\$1**  
Olson TR-108

TO-18 Silicon NPN  
Similar to 2N 930. Minimum of frequency is 30 mc. **69c**  
Olson TR-103

## HIGH FREQUENCY FM TRANSISTORS

PKG. OF 2 **99c**  
Olson TR-93  
PNP high frequency, high reliability made by Post Alloy diffused technique. Replaces many popular transistors without circuit changes. Shpg. wt. 1/4 lb.

ORDER BY PHONE DAY or NIGHT  
216-535-9191

## PNP POWER Transistor KIT

TR-28 **71c**  
Ideal for Auto Radios, Switching Circuits, Amplifiers, Etc. Shipping weight 1/4 lb.

## Olson Tubular Ceramic CAPACITORS

★ Top Quality  
KIT OF 100 **99c**  
No. C-211

Most are rated at 600 volts or more. Standard color codes used throughout. Order now and save at this low price. Shipping weight 1/4 lb.

## 600 WV DC CONDENSERS

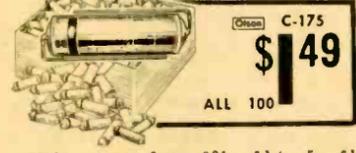
Qty	MFD
10	.001
10	.002
10	.005
20	.01
20	.02
20	.05
10	1

Shpg. wt. 2 lbs.

No. C-206  
Kit of 100 **\$5<sup>99</sup>**

Most rated at 600 volts or more. All top quality. Kit may contain some tubular type ceramics. Shipping wt. 1/4 lb.

## 100 PIECE CAPACITOR KIT



C-175 **\$1<sup>49</sup>**  
ALL 100

Values range from .001 mfd to .5 mfd at voltages from 100 to 1000 volts. Condensers cost you less than 2c each. Shipping weight 2 lbs.

## 100-PIECE CERAMIC CAPACITOR KIT



★ Disc Type  
★ Assorted  
★ High Quality  
C-210 **99c**

Most rated at 600 volts or more. All top quality. Kit may contain some tubular type ceramics. Shipping wt. 1/4 lb.

## 20 Most Common 1 Watt CARBON RESISTORS

Shpg. wt. 1/2 lb. **6 @ \$1.49 \$1.69**  
R-63 KIT OF 20

OHMS	OHMS	OHMS	OHMS	OHMS
10	47	470	10 K	150 K
15	100	1 K	15 K	330 K
22	150	1.5 K	47 K	470 K
33	330	4.7 K	100 K	1 M

SAVE GET BOTH KITS **\$2<sup>98</sup>**  
No. R-62 and R-63  
No. R-64, 6 @ \$2.79 ea.

## 30 Most Needed 1/2-W. CARBON RESISTORS

R-62 **\$1<sup>69</sup>** Shpg. wt. 1/2 lb.  
6 @ \$1.49  
Kit of 30

Kit Contains One Of Each

OHMS	OHMS	OHMS	OHMS	OHMS
10	150	2.2 K	33 K	330 K
15	220	4.7 K	47 K	470 K
22	330	6.8 K	68 K	1 meg.
33	470	10 K	100 K	1.5 meg.
47	1 K	15 K	150 K	2.2 meg.
100	1.5 K	22 K	220 K	10 meg.

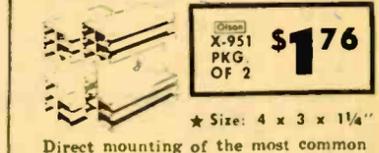
## 20 Pc. POWER Resistor Kit



R-82 **99c** PER KIT  
4 for \$3.50

Wattages range from 5 to 25 watts or more. This is a real value for the experimenter or serviceman. Shipping weight 2 lbs.

## Semiconductor Heat Sinks



X-951 **\$1<sup>76</sup>**  
PKG. OF 2  
★ Size: 4 x 3 x 1 1/4"

Direct mounting of the most common power transistors such as stud type. TO-6 and TO-36 cases, TO-3 case. TO-48 case and 2N1015. Shpg. wt. 3/70 lb.

## Olson ELECTROLYTICS

★ 1/4" dia. x 1/2" long  
Shpg. wt. 1/4 lb.

Stock No.	MFD.	WVDC
C-966	5	10
C-967	10	25
C-968	30	25
C-969	50	10
C-970	100	10

PKG. OF 5 ONLY **99c**

## Printed Circuit Electrolytic



50-30 MFD @ 150 V C-180 **59c** ea.  
4 For \$2

Only 3/8" in dia. by 2 1/4" H. Terminals fit directly into printed circuit board. Shipping weight 1/4 lb.

## STUD RECTIFIER MOUNTING KITS

For DO-5 size studs 1/4" mounting bolts. Includes insulating washers, solder lug and bolt. Shipping wt. 1/4 lb.  
Olson TR-98 **30c**

## HEAT SINK KIT — 11 Assorted Sizes

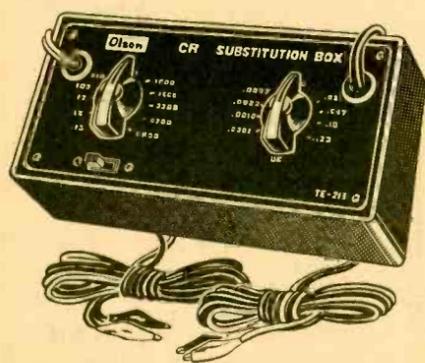
AS-91 **79c** PER KIT  
Ideal for mounting transistors and in the low power range. Shipping weight 1/4 lb.

## Olson RESISTOR KIT

★ For Transistor Applications  
★ Upright Mount. ★ Kit of 30  
ACTUAL SIZE **\$1<sup>19</sup>**  
Olson R-83

Kit of 30 carefully selected resistors to fill most of your servicing requirements in solid state circuits. Contains two each of the following values: 10, 68, 100, 470, 1 K, 3.3 K, 4.7 K, 15 K, 33 K, 47 K, 100 K, 220 K, 370 K, 500 K, 1 meg. ohm. Shpg. wt. 1/4 lb.

**Olson** CAPACITANCE/RESISTANCE **SUBSTITUTION BOX**

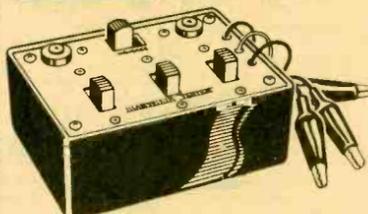


TWO SETS OF TEST LEADS

**\$4.95**  
TE-213

- ★ Independent Resistance and Capacitance Circuits
- ★ Resistance: 15 to 10 meg. ohms (24 Steps)
- ★ Capacitance: .002 MFD to .22 MFD (9 Steps)
- Size: 5 1/4" x 2 5/8" x 2 1/2". Shipping weight 2 lbs.

**Olson** TRANSISTOR TESTER ADAPTER

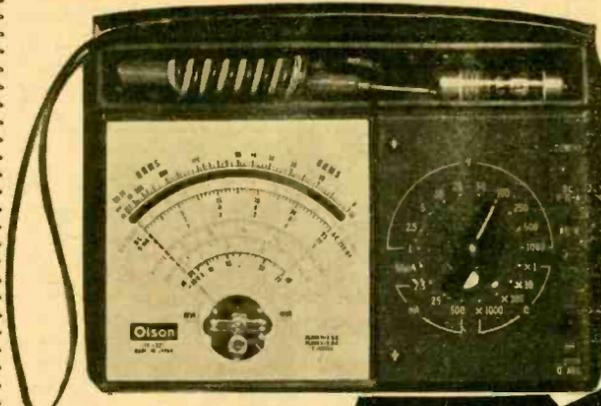


- ★ Use with any VOM, VTM or OHM Meter
- ★ Polarity Reversing Switch
- ★ Convenient Clip Leads
- ★ Checks Transistors And Diodes
- ★ Fast-Easy Operation
- ★ Size: 3 1/4" x 2 1/8" x 1 1/2". Shipping weight 1 lb.

Olson TE-225, 3 for \$14.25 **\$4.95**

**Olson** COUPON VALUE

**Olson** 20 K Ohms/Volt MULTIMETER



- ★ Mirrored Scale
- ★ Meter Protective Circuit
- ★ Complete With Test Leads
- ★ Extra Large Scales
- ★ DC & AC Volts: 0-1, 2.5, 5, 10, 25, 50, 100, 250, 500 & 1000 Volts
- ★ DC Current: 0-5 ua., 2.5 ma., 50 ma.
- ★ Resistance: 0-5K, 50K, 500K, 5 Meg. Ohms
- ★ Output Ranges: -20 to +22 db.
- ★ Test Leads Included
- Size: 7 1/2" x 4" x 1 1/4". Shipping weight 2 lbs.

**\$19.98**  
TE-221

2 FOR \$39

**Olson** DELUXE TRANSISTOR & DIODE CHECKER



- ★ MEASURES TRANSISTOR PARAMETERS

Olson TE-195 **\$19.98**  
2 For \$38

- ★ Has Quick-Test Socket
- ★ Test Leads Included
- ★ Measures Internal Resistance of Diodes
- ★ Large Full-View Meter
- ★ Battery Included
- Size: 4 1/2" x 7" x 3 1/4". Shpg. wt. 6 lbs.

Mercury TUBE TESTER

Model 1100A

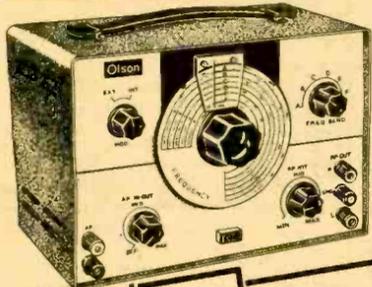
FACTORY WIRED



- ★ Nuvistors-Compactrons and 10 Pin
- ★ Checks Emission, Shorts, Leakage & Gas
- ★ Bridge Meter Cir. for Greater Accuracy
- ★ Built-in Pin Straighteners
- ★ Sturdy Leatherette Covered Case
- Size: 9" x 8 1/4" x 3 1/4". Operates on 110 to 120 v. AC, 50/60 cps. Shipping weight 6 lbs.

Olson TE-229 **\$34.95**

**Olson** R.F. Signal GENERATOR



VARIABLE AUDIO OUTPUT

**\$27.95**  
TE-188  
2 For \$52

- ★ Has 4 1/2" Etched Dial
- ★ 6 Bands: 120 KC to 260 MC
- ★ 400 Cycle Audio Circuit
- ★ Variable Output Level
- Size: 7" H. x 10 1/2" W. x 5 3/8" D. 110-120 volts AC, 50/60 cps. Shipping weight 9 lbs.

USE FOR IF AND RF ALIGNMENT  
TRACES AUDIO SIGNAL  
CAN SERVE AS MARKER GENERATOR



MERCURY 1101

TUBE TESTER KIT

- ★ Made in U.S.A.
- ★ Checks Emission, Shorts, Gas Leakage
- ★ Tests Novars, Nuvistors, Compactrons
- ★ Has Pin Straightener
- ★ Picture Tube Test Adapter Included
- ★ Test Many Industrial Tubes

Operates on 110-120 volts AC, 50/60 cps. Size: 11 1/2" W. x 8 3/4" D. x 3 1/2" H. Shipping weight 10 lbs.

Olson KB-184 **\$39.95**

Factory Wired, TE-193 \$7 Monthly \$69.95  
Deluxe Mutual Conductance Tube Tester Model 2000. Tests Transistors, Diodes and Tubes. No. TE-226... \$10 Monthly \$99.95

**Olson** 1000 Ohms/Volt MULTIMETER

★ POCKET SIZE



**\$4.98**  
TE-184

- ★ Complete With Test Leads
- ★ AC and DC Volts: 0-15, 150, 1,000
- ★ DC Current: 0-150 ma.
- ★ Resistance: 0-100K Ohms
- ★ Uses Penlight Battery (Incl.)
- Size: 2 3/8" x 3 1/2" x 1". Shipping weight 2 lbs.

**Olson** AUDIO GENERATOR

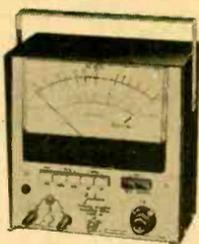
SINE AND SQUARE WAVE



Olson TE-209 **\$35.95**  
2 For \$62

- ★ Frequency Range: 20 to 200,000 cps
- ★ 4 Band Scales
- ★ Smooth Vernier Tuning
- ★ Output Attenuator
- ★ Square Wave: 60 to 30,000 cps
- ★ Frequency Accuracy: ± 3%
- ★ Distortion: Less Than 2%
- Size: 7 1/2" H. x 10 1/2" W. x 5 3/4" D. Operates on 110-120 volts AC, 50/60 cps. Shipping weight 10 lbs.

Etched Easy-to-Read Dial  
Factory Calibrated



Jackson

DYNAMIC IN-CIRCUIT TRANSISTOR TESTER

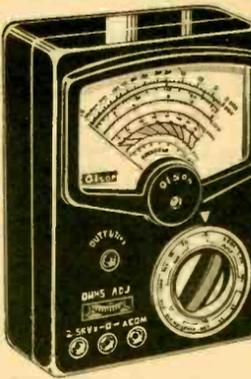
- ★ Large 200 ua. Meter

- Easy Quality Testing, Matching & Sorting
- Simple Push-Button Operation
- Zener Regulated Power Supply
- Built-In Signal Generator
- Test Leads Included
- Checks AC BETA and Icbo Leakage
- Size: 7 1/2" x 7 1/2" x 4 5/8". Operates on 117 volts 50/60 cps. Shpg. wt. 6 lbs.

Model 810. **\$89.95**  
TE-227 \$9 Monthly

**Olson** 20K Ohms/Volt MULTIMETER

- ★ Jeweled Meter Movement
- ★ Meter Safe/Guard



**\$9.98**  
Olson TE-185  
2 For \$18

- ★ DC Volts: 0-25, 50, 500, 2500 V.
- ★ AC Volts: 0-10, 50, 500, 1000 V.
- ★ DC Current: 0-50 ua., 2.5 ma., 250 ma.
- ★ Resistance: 0-60K, 6 meg.
- ★ Capacity: .0001 - 1 MFD.
- ★ Decibel: -20 to +22
- Size: 3 1/4" x 4 1/4" x 1 1/8". Shipping wt. 2 1/4 lbs.

**Olson** Capacitance/Resistance ANALYZER



- ★ Determines Power Factor of Electrolytics

Olson TE-189 **\$44.25**  
2 For \$84

- ★ Check all Capacitors for, Value, Leakage, Shorts and Power Factor
- ★ 4 Resistance Ranges: 2 Ohms to 200 Meg.
- ★ Capacity Range: 20 mmf to 2000 mf
- ★ Measures Impedance Ratio of Transformer
- ★ Test Leads Included
- 110-120 volts AC, 50/60 cps.
- Size: 10 1/2" W. x 7" H. x 5 1/4" D. Shipping weight 12 lbs.

FACTORY WIRED  
METER AND "MAGIC-EYE" INDICATOR



**Olson** TACHOMETER & DWELL ANGLE METER

- ★ Electronically Tunes Up Any Car Made

- ★ 3 Ranges: 0-45, 0-60, 0-90 Degrees
- ★ For 4, 6 or 8 Cylinder Cars
- ★ 2 RPM Ranges: 0-1200, 0-6000 RPM
- ★ Use as Diode and Continuity Tester
- Size: 5 1/4" W. x 6 1/2" H. x 2 3/8" D. Shipping weight 5 lbs.

Olson TE-204 **\$29.95**

**Olson** 30,000 Ohms/Volt Multimeter

- ★ Jeweled Meter Movement
- ★ Precision Resistors



**\$15.92**  
Olson TE-200  
2 For \$29

- ★ Large Full View Meter
- ★ Meter Safe/Guard
- ★ DC Volts: 0-0.6, 6, 30, 120, 1200 V.
- ★ AC Volts: 0-12, 60, 300, 1200 V.
- ★ DC Current: 0-60 ua, 12 ma, 300 ma.
- ★ Resistance: 0-1K, 1 meg.
- ★ Uses Two Penlight Batteries, (Incl.)
- Size: 5 1/2" H. x 3 3/4" W. x 1 1/2" D. Shpg. wt. 2 lbs.

**Olson** 6 1/2" V.T.V.M.



Olson TE-208 **\$39.98**  
2 For \$75

- ★ Wide Band: 30 cps to 10 Mc.
- ★ Precision Resistors
- ★ AC Volts: 0.1V. to 1500V. (7 Ranges)
- ★ Peak-To-Peak: 0-4000V. (7 Ranges)
- ★ DC Volts: 0.1V. to 1500V. (7 Ranges)
- ★ Resistance: 0.2 to 1000 meg. ohms (7 Ranges)
- ★ Output: -20 to +65 db (7 Ranges)
- Operates on 110-120 volts AC, 50/60 cps. Size: 7 3/4" H. x 6 1/2" W. x 3 3/4" D. Shipping weight 7 lbs.

Mirrored Scale  
Not a Kit



**Olson** HOME/AUTO TESTER

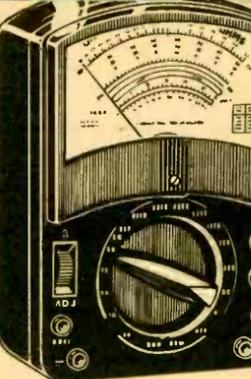
★ 1,001 Uses

**3"** Full-View Meter

- ★ AC Voltage Ranges: 0-7.5, 15, 150, 300 Volts
- ★ AC Current: 0-15 Amps
- ★ Resistance: 0-1000 Ohms
- ★ Leakage Test-Neon Lamp
- ★ 6-12 Volt Auto Battery Checker
- Size: 6 1/4" x 3 3/4" x 2 3/8". Shipping weight 3 lbs.

Olson TE-201 **\$10.95**

**Olson** 50K Ohms/Volt MULTIMETER



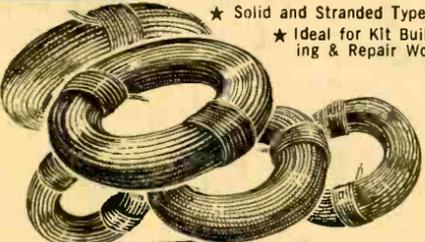
1% Precision Resistors  
Meter Safe/Guard  
Mirrored Scale

**\$21.98**  
Olson TE-197

- ★ DC Volts: 0-600 mv., 3, 12, 60, 300, 600, 1200, 3000 V.
- ★ AC Volts: 0-6, 30, 120, 300, 1200 V.
- ★ Resistance: 0-10K, 1 meg., 100 meg.
- ★ DC Current: 0-30 ua., 60 ma., 600 ma.
- ★ Decibels: -20 to +63 db
- Size: 4" W. x 6" H. x 1 3/8" D. Shpg. wt. 4 lbs.
- F. E. Byrd, 5532 Knoll Crest Drive, Shreveport, La. 71109; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

### Olson 500' Hook-Up Wire

5-100 FT. COILS  
★ Solid and Stranded Types  
★ Ideal for Kit Building & Repair Work



<b>AS-903</b> <b>\$3.49</b>	<b>1-COND. HOOK-UP 100 FT.</b> W-515 <b>59¢</b>	<b>2-COND. STRANDED 100 Ft.</b> W-318 <b>\$3.49</b>
<b>2-COND. CABLE 100 FT.</b> W-103 <b>\$1.39</b>	<b>3-CONDUCTOR 100 FT.</b> W-105 <b>\$1.98</b>	<b>2-CONDUCTOR 53 Ft. 99¢</b> W-361 <b>\$3.69</b>

### DE-GAUSSING COIL



**\$3.98**  
Olson TV-143

Sharpens color reception through demagnetization of the picture tube. Simply rotate degausser in front of color tube to remove color impurities. Use regularly to keep reception sharp and clear. Includes clip to store on back of set when not in use. Shp. wt. 1 lb.

Precision Audio, 3001 West Coast Hwy., Newport Beach, Calif. 92660; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

### PLUG-IN AMMETER

★ 0-10 Amps AC  
**\$4.98**  
ME-153  
3 for \$14.55



Plugs Into AC Outlet  
Appliance Plugs Into Meter  
Built-In Pilot Lamp  
Monitors Current Drawn by Appliance

### Olson 100K OHMS/VOLT TRANSISTORIZED MULTIMETER



- 2 Transistor Circuit
- Meter Protective Circuit
- DC Volts: 0-25, 250, 500 Volts
- AC Volts: 0-50, 250, 500 Volts
- DC Current: 0-10 ua., 25 ma, 250 ma.
- Ohms: 0-10K, 1 Meg., 10 Meg.
- Batt. Included (2 penlight)

Size: 5" x 3 1/2" x 1 7/8"  
Shipping weight 2 lbs.

**2 For \$39**  
TE-215 **\$19.98**

### Olson GIANT 20 LB. SURPRISE KIT



**\$5**  
AS-700

Contains All Kinds of Electrical Items  
Shpg. wt. 20 lbs.

5 LB. SURPRISE KIT  
Shpg. wt. 7 1/2 lbs.  
No. AS-137 **\$1.98**

### Olson MATCHED KNOB SET

KN-33 KIT OF 4  
4 KITS FOR **99¢**  
\$3.50

- ★ Polished Aluminum
- ★ Set Screw Included
- ★ For 1/4" Shaft
- Size: 1" Dia. x 3/4" L.
- Shipping weight 1/4 lb.

### Assorted KNOBS

★ Kit of 25  
**55¢**  
KN-30

25 assorted knobs for radio and TV replacement. Variety of styles and colors. Shipping weight 2 lbs.

### Olson DC POWER SUPPLY



**\$7.99**  
BA-133  
3 for \$22.50

★ 4.5, 6, 9 and 12 Volts  
★ For Solid State Devices  
★ Up to 140 MA. Output

Low ripple DC power supply is perfect for solid-state modules and experimental transistor circuits. Supplies the following voltages and currents: 4.5V at 64 ma., 6V at 100 ma., 9V at 140 ma. and 12V. at 140 ma. Desired voltage is selected by slide switch on front panel. Has binding posts and pilot light. Size: 5 1/2" x 2 5/8" x 2 3/8". Operates on 110 to 120 volts AC, 50/60 cps. Shpg. wt. 3 lbs.

### Olson 20K Ohms/Volt Multimeter



**COUPON VALUE**  
**\$29.98**  
No. TE-214  
2 For \$58

- ★ Mirrored Scale
- ★ Large Full-View Meter
- ★ DC Volts: 0-3, 12, 60, 120, 300, 600, 1200
- ★ AC Volts: 0-6, 30, 120, 300, 600, 1200
- ★ AF Voltage: 0-6, 30, 120, 300
- ★ Db: -20 to +17, +15 to +31 db.
- ★ Resistance: 0-2,000, 200 K, 2 meg., 200 meg.
- ★ Current: 0-12 ua., 6 ma., 300 ma., 12 amp.

Size: 5 1/2" W. x 7 1/2" H. x 2 3/8" D.  
Shipping weight 5 1/2 lbs.

### 2 LB. KIT OF HARDWARE



★ Made in U.S.A.  
★ Nuts, Bolts, Washers, Etc.  
★ Shpg. Wt. 2 lbs.

**69¢**  
HW-53

MORE HARDWARE

3/4 lb. Kit, No. HW-56 **.36**  
Jumbo 7 lb. Kit, No. HW-57 **\$2.25**  
Giant 15 lb. Kit, No. HW-58 **\$3.99**

### Olson Matched KNOB SET



★ Brown Plastic/Metal Trim  
★ Brass Insert-Set Screw  
★ For 1/4" Dia. Shaft  
★ 1 1/4" D. x 3/4" L.  
Shipping weight 1/4 lb.

No. KN-31  
4 Sets \$3.50 **99¢**  
SET OF 3

Set of 5 matched knobs like above but smaller. 1/4" D. x 3/4" L.

No. KN-32 4 Sets \$3.50 **99¢**

### Olson 12-Piece TEST LEAD KIT



**\$1.98**  
TE-207  
3 for \$5

Consists of two 36" red and black test leads with banana plugs on each end. 2 heavy-duty spade lugs, 2 phone tip plugs, two 5" test probes and insulated clips. Shipping weight 1/4 lb.

### Olson Deluxe 100K OHM/VOLT MULTIMETER



**COUPON VALUE**  
**\$39.98**  
Olson TE-216

- ★ Mirrored Scale
- ★ Full-View Meter
- ★ Meter Protective Circuit
- ★ DC Volts: 0-3, 12, 60, 120, 300, 600, 1200
- ★ AC Volts: 0-6, 30, 120, 300, 600, 1200
- ★ Audio Voltage: 0-6, 30, 120, 300
- ★ Db: -20 to +17, +15 to +31
- ★ Resistance: 0-2000, 200 K, 2 meg., 200 meg.
- ★ DC Current: 0-12 ua, 6 ma., 60 ma., 300 ma., 12 a.

Size: 5 1/4" W. x 7 1/2" H. x 2 1/2" D.  
Shipping weight 4 lbs.

### Olson TV ION TRAP



★ Pkg. of 4 Universal Single Magnet  
★ Shpg. wt. 1/4 lb.

**59¢**  
X-36

### ILLUMINATED NUMBER LAMPS



★ 0 Thru 9  
★ 11 Interchangeable Lenses

**\$1.69**  
PL-135

Bayonet type socket with changeable lenses. Size mtg. length 2 1/4". Shipping weight 1/4 lb.

### Deluxe CLIP LEADS



**\$1.29**  
X-43  
Pkg. of 10  
3 Pkgs. \$3.75

★ Insulated Alligator Clips

10 leads 14" long with insulated miniature alligator clips attached one to each end. Shipping weight 1/4 lb.

### Olson Deluxe RESISTOR - CAPACITOR SUBSTITUTION BOX



**COUPON VALUE**  
**\$14.98**  
Olson TE-219

- ★ 684 Combinations
- ★ 5 Ohms to 10 Meg. Ohms
- ★ .00005 Mfd. to 40 Mfd.
- ★ Complete with Test Leads
- ★ 5 Rotary Selector Switches

Size: 7 1/4" W. x 5" D. x 3 1/2" H.  
Shipping weight 2 lbs.

### IMMERSION HEATER



★ HOT WATER ANYTIME

**2 FOR \$1.39**  
X-761

Gives boiling water in minutes. 36" line cord with plug. For 110 volts AC only. Shpg. wt. 1/4 lb.

### NEON PILOT LIGHTS



★ Kit of 3  
With neon lamp, jewel and socket. Operates on 115 volts. 3/8" dia. x 1 1/4". Includes 100,000 ohm dropping resistors. 2-Red. 1-Yellow. Shpg. wt. 1/4 lb.

No. PL-147 Kit of 3 **\$1.19**

### NEON CIRCUIT TESTER



★ For Radio-Electrical or Automotive

**99¢**  
TE-220  
KIT OF 2

Circuit tester for voltages from 125 to 280 volts AC or DC. Molded plastic with insulated leads. Completely safe. Shipping weight 1/4 lb.

### Olson 3 For \$2.50 MAY BE ASSORTED

<b>ME-144</b> Edge Type Ammeter	<b>ME-146</b> Emico Meter	<b>ME-155</b> 0-6 DC Ammeter
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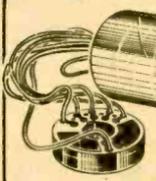
- ★ 0-3 Amps D.C.  
★ Size: 1 1/2" W. x 3/4" H. x 1 7/8" D.
- ★ 0-6 DC AMPS  
★ SQUARE: 2 3/8" x 2 3/8" x 7/8"
- ★ 2 1/4" Dia.  
★ 2" Mtg. Hole

★ Ideal for Battery Chargers ★ Suitable for 6 & 12 Volt Systems ★ Shpg. wt. 1/4 lb.

### TECHNICAL BOOKS

HWS THE SUBSTITUTION HANDBOOK. TUB-10 No. B-271 **\$1.75**  
GE TRANSISTOR MANUAL. No. B-276 **\$2.00**  
ABC'S OF ELECTRONICS No. B-307 **\$2.25**  
WESTINGHOUSE TUBE MANUAL No. B-308 **\$1.25**  
HOW TO BUILD SPEAKER ENCLOSURES No. B-309 **\$3.25**

### PICTURE TUBE BRIGHTENER



★ Extends Tube Life  
★ Restores Brightness & Contrast to Picture

**\$1.77**  
T-276  
3 for \$5.00  
12 at \$1.40 ea.

MADE IN U.S.A.

For series or parallel wired filaments. It can be used on electrostatic or electromagnetic focus tubes. Shipping weight 1 lb.

### TEST LEAD CLIP ADAPTERS



**99¢**  
TE-224  
4 for \$3.50

Plugs on to test probe to connect to clips. Fully insulated. 9 3/4" long. Shipping weight 1/4 lb.

### Olson DELUXE TEST LEADS

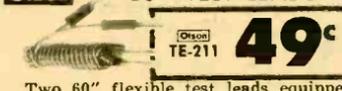


★ 60" Long  
**99¢**  
TE-212  
3 FOR \$2.70

Long extra flexible test leads with new "flexiprobes." Molded strain relief eliminates wire breakage. Standard tip plugs on end of leads fit most multimeters. Shpg. wt. 1/4 lb.

NEW! Coiled Test Leads with flexiprobes. (Olson) TE-222 **\$1.19**

### Olson 60" TEST LEADS



**49¢**  
TE-211

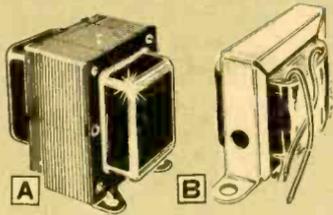
Two 60" flexible test leads equipped with pin type plugs. Needle point probes pierce plating or corrosion to make good contact. Shipping wt. 1/4 lb.

### ★ Olson PANEL METERS ★

Jeweled For Extended Life!

A complete line of high quality meters at a "value-plus" price. Each meter is carefully packed complete with mounting and operating instructions. These fine meters can be used wherever a rugged compact meter is required. Order now! Shipping weight 1/4 lb. ea.

TYPE	STYLE	SIZE	RANGE	INT. RES.	STK. NO.	PRICE
DC	A	1 5/8 x 1 5/8 x 1 7/8"	0-50 DC $\mu$ a	1000 ohms	ME-100	\$4.95
Microammeter	A	"	0-500 DC $\mu$ a	200 ohms	ME-101	2.95
DC	A	"	0-1 DC ma	100 ohms	ME-97	2.95
Milliammeter	A	"	0-50 DC ma	2 ohms	ME-98	2.95
DC Ammeter	A	"	0-100 DC ma	1 ohms	ME-99	2.95
DC	A	"	0-20 DC amp	.005 ohms	ME-96	2.75
DC	A	"	0-15 DC V.	15K ohms	ME-102	2.75
Voltmeter	A	"	0-150 DC V.	150K ohms	ME-103	2.75
Voltmeter	A	"	0-300 DC V.	300K ohms	ME-104	2.75
Voltmeter	A	"	0-150 AC V.	150K ohms	ME-106	2.75
"S"	A	"	500 $\mu$ a	200 ohms	ME-108	2.95
"VU"	A	1 5/8 x 1 5/8 x 1 7/8"	100 $\mu$ a	3.9K ohms	ME-110	3.95
Meter	B	1 1/2 x 1 1/2 x 1 1/8"	100 $\mu$ a	3.9K ohms	ME-111	3.95



# Olson

POWER—AUDIO—FILAMENT TRANSFORMERS

**A POWER TRANSFORMER**  
 No. T-420  
**\$1.99**  
 Primary: 117 V., 60 cps.  
 Sec. 1: 400 V. CT. @ 350 ma.  
 Sec. 2: 6.3V. @ 1.2 amp.  
 Size: 3 3/8" x 2 1/4" x 3 3/4"  
 Shpg. wt. 6 lbs.

**A POWER TRANSFORMER**  
 No. T-432  
**\$2.29**  
 Primary: 110-120 V. AC, 60 cps  
 Sec. 1: 600 V. CT @ 285 ma.  
 Sec. 2: 6.3 V. @ 8 A.  
 Sec. 3: 5 V. @ 3 A.  
 Size: 3 3/4" x 3 1/8" x 3 1/2"  
 Shpg. wt. 7 1/2 lbs.

**B AUDIO OUTPUT**  
 No. T-438  
**79¢**  
 Primary: 5000 ohms  
 Secondary: 3.2 ohms  
 Applications: 6V6, 6BQ5, 6AQ5, etc.  
 Size: 2 1/2" x 1 1/8"  
 Shpg. Wt. 1/4 lb.

**B POWER**  
 No. T-290  
**\$1.89**  
 Primary: 110-125 volts A.C.  
 Secondary: 24 v. @ 1 amp.  
 Size: 2 3/4" x 2 1/4" x 2 1/4"  
 Shpg. wt. 1 3/4 lbs.  
 3 @ \$1.81

**B 70.7 V. LINE TRANSFORMER**  
 No. T-417  
**\$1.19**  
 Primary: 500 to 8,000Ω  
 Secondary: 6-8 ohms.  
 Power: 10 Watts.  
 Size: 2" x 1 1/2" x 1 5/8"  
 Shpg. wt. 1 1/2 lbs.  
 5 Watt Line Transformer, No. T-421 ... 99¢

**B POWER**  
 No. T-401  
**79¢**  
 Primary: 117 volts AC  
 Secondary No. 1: 150 volts @ 5 MA.  
 Secondary No. 2: 6.3 volts C-T @ .75 A  
 Size: 1 3/4" H. x 2" W. x 1 1/2" D.  
 Shpg. wt. 2 lbs.  
 3 @ 59¢

**B Audio Output**  
 No. T-92  
**69¢**  
 Primary: 2,500 ohms; 3 watts  
 Secondary: 3-4 ohms  
 Applications: 50C5, 50L6, etc.  
 Size: 1 1/2" x 1 3/4" x 1"  
 Shpg. wt. 1/4 lb.

**TRADE-INS ACCEPTED**  
 No. T-304  
**\$1.49**  
 Primary: 110-125 volts A.C.  
 Secondary: 12.6 volts @ 1 amp.  
 Size: 2" x 1 3/8" x 1 1/4"  
 Shpg. wt. 1 lb.  
 3 @ \$1.39

**B FILAMENT**  
 No. T-304  
**\$1.49**  
 Primary: 110-125 volts A.C.  
 Secondary: 2.6 volts @ 1 amp.  
 Size: 2" x 1 3/8" x 1 1/4"  
 Shpg. wt. 1 lb.  
 3 @ \$1.39

**B FILAMENT**  
 No. T-76  
**\$1.29**  
 Primary: 110-125 volts A.C.  
 Secondary: 6.3 v. @ 1 amp.  
 Size: 1 1/4" x 1 3/4" x 1 3/8"  
 Shpg. wt. 1 lb.  
 3 @ \$1.19

## Olson COUPON SALE



**Olson FOOT SWITCH**  
**\$1.99** REGULAR  
 SW-359

★ Use with Power Tools and Appliances  
 Simple plug-in installation. Just plug the foot switch into the wall outlet and plug the appliance into the back of the foot switch. Size: 3"x3"x1". Has 5 1/2' AC cord. Switch is rated at 10A 120 volts AC. Shipping weight 1 1/2 lbs.

**Olson Remote AC SWITCH**  
**\$1.69**  
 W-537

Has 15' of flexible AC cable with push-button switch on one end and AC plug / receptacle on the other. Shipping weight 1 lb.

**6 FT. A.C. LINE CORD**  
**4 FOR \$1.40 39¢**  
 W-43

6' AC line cord with molded plug. Rugged vinyl insulation. Shipping weight 1/4 lb.

4' AC line cord with plug. 4 for \$1

**TV INTERLOCK CORDS**  
**2 FOR 99¢**  
 W-61

Two standard TV interlock cords 6' long. Shipping weight 1/4 lb.

# Olson SELENIUM RECTIFIERS

SELENIUM RECTIFIER KIT  
 ★ KIT OF 7 ASSORTED TYPES

**ALL \$1.29**  
 7 RE-118

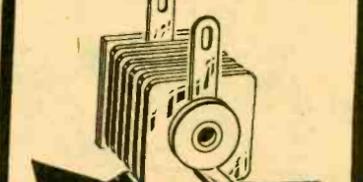
Kit of 7 new 130 volt selenium rectifiers. Contains the following sizes: 1-300 ma, 2-150 ma, and 4-100 ma. Stock up now on this unusual value. Shipping weight 1 lb.

Edw. J. Cowan, 922 E. Windsor St., Tucson, Ariz. 85719: wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

**100 AMP. CHARGER RECTIFIER**  
**\$8.93**  
 RE-68

Perfect replacement for most 6 and 12 volt battery chargers. Delivers 100 Amps, with forced air cooling. Full wave bridge. For common negative circuits. Size: 4" x 7" x 3 1/2" plus mtg. stud. Shipping weight 3 lbs.

# 65 MA — 130 VOLT SELENIUM RECTIFIER



**45¢** RE-119  
 10 for \$4

Size: 1 1/2" x 1 1/2" x 1 1/2"  
 Shipping weight 1/4 lb.

**100 MA — 130 VOLT**  
**55¢**  
 RE-117  
 10 for \$5

Size: 1" x 1" x 1 3/8"  
 Shipping weight 1/4 lb.

**300 MA — 130 VOLT**  
**85¢**  
 RE-121  
 10 for \$8

Size: 1 3/4" x 1 3/8" x 1 1/4"  
 Shipping weight 1/4 lb.

**500 MA — 130 VOLT**  
**95¢**  
 RE-120  
 10 for \$9

Size: 1 1/2" x 1 1/2" x 1 7/8"  
 Shipping weight 1/4 lb.

**Olson AUDIO Transformers**  
 YOUR CHOICE **79¢**  
 1/4" square for miniature circuit. Shpg. wt. 1/4 lb.

Stock No.	Use	Primary Imp. Ohms	Secondary Imp. Ohms
T-230	driver	10,000	2,000
T-231	output	500	8

**Olson Audio Transformers**  
 1/4" square overall. Especially suited for printed circuit transistor applications. Shipping weight 1/4 lb.

Stk. No.	Primary Imp. Ohms	Secondary Imp. Ohms	Use
T-332	10,000	2,000 CT	Driver

**MINIATURE AUDIO TRANSFORMERS**  
**99¢**  
 T-431

Pair of miniature input and output transformers for transistor circuits. Transformers are only 1/2" square. Each has color coded wire leads and instructions. Input: 8,000 to 3,000 ohms C-T. Output 600 ohms C-T to 8 ohms. Shipping weight 1/4 lb.

**SILICON RECTIFIERS**  
**750 MA**  
 No. RE-29  
 Ea. **57¢**  
 10 @ 51¢

Size: 3/16" x 1/8" Shpg. wt. 1/4 lb.

**750 MA**  
 No. RE-32  
 Ea. **69¢**  
 3 for \$2

Specifications: Mfrs. Type: SD-500-90; RMS A. C. Input: 280 Volts; Peak Inverse Voltage: 400 Volts. Output: D. C. 500 MA @ 100° C; Current: 750 MA @ 50° C. Shpg. wt. 1/4 lb.

**500 MA Silicon Diodes**  
 ★ RMS; 280 Volts  
 ★ PIV; 400 Volts  
 Shpg. wt. 3/4 lb. **99¢**  
 Olson RE-76 4 for

**Germanium Diodes**  
 No. DI-18 **88¢**  
 Pkg. of 10

Replaces IN34, IN34A, IN60 and IN51. Shpg. wt. 1/4 lb.

**EPOXY DIODE**  
 PIV, 600 Volts  
 1 Amp.  
**79¢**  
 DI-24  
 Shpg. Wt. 1/4 lb.

**Olson CADMIUM PHOTOCELL**  
**59¢**  
 TR-91  
 Pkg. of 2

Resistance range from 200 ohms to 1 megohm. Sensitivity 500 to 600 Angstrom units. Max. voltage 150 v. DC. Max. dissipation 150 mw. Size: 1/2" dia. x 1/8" deep. Has 1" leads. Shpg. wt. 1/4 lb.

**SHOP BY MAIL**  
**SAVE TIME MONEY MILEAGE GASOLINE**  
 OLSON SHIPS SAME DAY!

**Ferrite Bar Antenna Coils**  
**49¢**  
 L-82

Replaces most antenna coils in transistor radios. Sizes: 2 1/4" x 1 1/2", 2 1/4" x 3/4", and 1 3/4" x 3/4". Shipping weight 1 lb.

**455 kc IF TRANSFORMERS**  
**99¢**  
 L-83  
 Per Pair

Consists of one each input and output transformer. Size: 3/4" x 3/4" x 2". Complete with instructions. Shipping weight 1/4 lb.

## HANDY UTILITY BOX

★ Made of Sturdy Bakelite.  
 ★ Removable Aluminum Cover  
 ★ Perfect for housing test equipment, experimental circuits, etc.  
 Shpg. wt. 1 lb.

3 1/4" x 2 1/8" x 1 1/8" **59¢** CA-355  
 4" x 2 1/8" x 1 5/8" **69¢** CA-356  
 6 1/4" x 3 3/4" x 2" **\$1.05** CA-324

## PANEL SET

★ 3 1/2" x 6"  
 ★ Kit of 5  
**\$1.49**  
 K-130  
 3 for \$4.17

**Olson CIR-KIT**  
 Printed Circuit Kit  
**\$3.49**  
 KB-190

★ "Sticky-wire"  
 Make your printed circuits the easy way, no chemicals — no etching. Just place the copper strips in place on the board, drill where required and you're ready to mount components. 15' of 1/4" wide, self-sticking, copper strip is supplied with the kit plus a 4"x6" sheet of copper. Circuit board is 1 1/4" x 6" (may be easily cut to size). Shipping weight 1/2 lb.  
**DELUXE CIR-KIT.** Contains 1-6" x 12" sheet of copper, 25' roll 1/8" wide copper strip and 1-25' roll of 1/8" wide strip. Shipping weight 1/2 lb.  
 No. KB-189 **\$6.89**

## Solderless CIRCUIT COMPONENT FOR EXPERIMENT & DESIGN

**Olson PERF-BOARD**  
 BUILD, DESIGN, CONSTRUCT RAPIDLY — Experimental or Permanent Electronic Circuits, Accepts Olson Miniature Components (below) for rapid set-up. May be easily cut with saw, to size you desire. Phenolic Boards with 3/32" holes punched on .265 centers 1/8" thick.

**Unclad (Punched) PERF-BOARD**  
 Shpg. wt. 1/4 lb.

No.	Size	Ea.	3 for	Lots of 100 Ea.
K-116	3 3/4" x 6 7/8"	.43	1.20	.35
K-118	6 7/8" x 9 1/2"	1.00	2.85	.90

**COPPER CLAD (Punched) PERF-BOARD**  
 For Design of Printed Circuits

No.	Size	Ea.	3 for	Lots of 100 Ea.
K-120	3 3/4" x 6 7/8"	.59	1.67	.53
K-122	6 7/8" x 9 1/2"	1.67	4.42	1.33

**COPPER CLAD (Unpunched) Board**  
 For Making Your Own Printed Circuits

No.	Size	Ea.	3 for	Lots of 100 Ea.
K-124	3 3/4" x 6 7/8"	.48	1.33	.42
K-126	6 7/8" x 9 1/2"	1.50	4.42	1.00
*K-129	4" x 6"	1.50	4.42	1.00

\*(Copper Clad both sides)

**TAPE RESIST**  
 Use to protect areas of printed circuit board from etchant. 1/16" x .320"  
 No. TA-16 **75¢**  
**ETCHANT SOLUTION, 16-oz. Bottle**  
 No. X-919 **\$1.26**

**BINDING POSTS With Jacks**  
 Colored coded 5 red — 5 black. 3/4" long. Shpg. wt. 1/4 lb.  
 No. HW-34 **99¢**

**ALLIGATOR CLIPS With Jacks**  
 ★ KIT OF 10  
 Color coded 5 red — 5 black. 1 1/4" long. Shpg. wt. 1/4 lb.  
 No. HW-32 **99¢**

**OCTAL SOCKET**  
 Binding posts pre-mounted. With mounting hardware. Shpg. wt. 1/4 lb.  
 No. HW-40 **\$1.19**

**SPRING TYPE Banana Plugs**  
 For quick and easy connections. 1 1/4" long. Shpg. wt. 1/4 lb.  
 No. HW-36 **99¢**

**SPADE LUGS With Jacks**  
 Colored coded 5 red — 5 black. 15/16" long. Shpg. 1/4 lb.  
 No. HW-33 **99¢**

**Banana Plug CORD SETS**  
 13" wire with plug on each end. 10 different colors.  
 No. HW-42 **\$1.99**

**TRANSISTOR SOCKET**  
 Binding posts pre-mounted. With mounting hardware.  
 No. HW-43 **99¢**

**7-PIN TUBE SOCKET**  
 Binding posts pre-mounted. With mounting hardware.  
 No. HW-41 **99¢**

**9-PIN TUBE SOCKET**  
 Binding posts pre-mounted. With mounting hardware. Shpg. wt. 1/4 lb.  
 No. HW-39 **\$1.29**

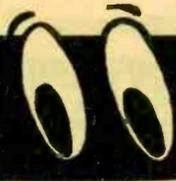
**FM TUNER** — Made in Denmark. ECC85 tube included. Fully shielded. Tunes 88 to 108 MC. Vernier tuning. 1/4" dia. shaft. Size 3 3/8" x 2 3/4" x 2 3/4". Shipping weight 1 lb. **\$4.99**

**VHF TUNER** — Includes 3GK5 and 5LJ8 tubes. Size 6 1/4" L. (incl. shaft) x 2 1/4" W. x 4 1/2" H. Shpg. wt. 2 lbs. **\$19.50, EA. \$6.99**

## TV-FM TUNERS

**VHF TUNER** — Standard Coil AR-066. Includes 6HQ5 and 6HB7 tubes. Size: 6 1/4" L. (incl. shaft) x 2 1/4" W. x 4 1/2" H. Shipping weight 2 lbs. **\$19.50, EA. \$6.99**

# NOW Protect Your Home While Your Away ELECTRONIC NIGHT WATCHMEN



## SKYWATCH AUTOMATIC LIGHT SWITCH



Olson SW-400 \$9<sup>98</sup>  
OLSON VALUE

★ No Wiring Required  
★ Turns Light On At Dusk and Off At Dawn  
Turns lights on at dusk, off at dawn automatically. Requires no wiring, never needs setting. Screw light bulb into adapter and adapter into outdoor fixture or lantern for all night lighting protection. Operates on 120 volts AC. Shipping weight 1 lb.

## Olson PHOTOEYE

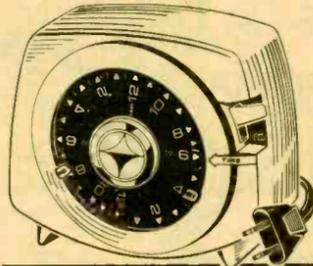


Olson SW-203 \$4<sup>69</sup>  
OLSON VALUE

★ 110-120 Volts A.C.  
★ Lights On At Dusk  
★ Lights Off At Dawn  
Turns lights, signs, appliances and displays on and off at dusk and dawn automatically. Size 3 1/2" x 2 1/4" x 1 1/4". For 117 volts AC. Capacity 600 watts. Shipping weight 1/4 lb.

## AUTOMATIC TIMER BY INTERMATIC

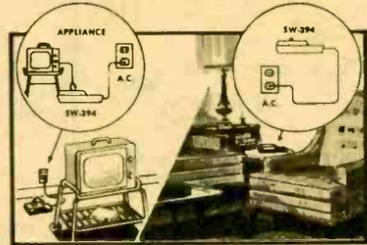
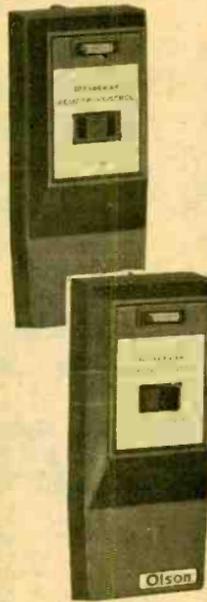
★ Dependable ★ Automatic ★ Safe



Olson X-985 \$9<sup>77</sup>  
OLSON VALUE

★ 15 Amp Capacity  
Turns lights or appliances on or off automatically. Manual switch on the side of the timer overrides the automatic operation. Switch has four positions. Size: 5" x 4" x 2 1/2". Shipping weight 2 1/4 lbs.

## Olson WIRELESS REMOTE CONTROL



■ For TV, Hi-Fi, Lamps or Appliance  
■ Ideal for Sick Room  
■ 500 Watt Capacity  
■ Easy Plug-in Installation  
■ Includes Sender and Receiver  
Size: 5 1/2" x 2" x 1 3/4"  
110-120 Volt AC, 50/60 cps.  
Shipping weight 1 1/2 lb.

SW-394 \$14<sup>95</sup>

## LIGHT DIMMER

★ No Installation



★ Full Range Dimming Control  
★ Tap/On - Tap/Off Switch  
★ Ideal For Any Room  
★ Attractive Gold Anodized Case  
★ 110-120 Volts, AC  
★ Shpg. wt. 2 lbs. \$10<sup>98</sup>  
Olson X-76

## COUPON VALUE

## Euphonics WIRELESS SWITCH



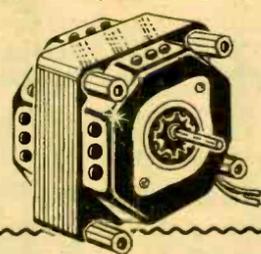
★ Remote Control  
★ Easy Plug-In Installation  
★ Range to 40 ft.  
★ Turns Appliance On/Off  
★ Switching Capacity: 860 Watts  
★ Shipping weight 3 lbs.  
2 FOR \$34.50 \$17<sup>95</sup>  
Olson SW-374

## CAPRI LIGHT DIMMER



★ Dial the light you want  
★ Push-on, push-off switch  
★ Replaces standard wall switch  
★ For 110 to 120 volts AC, 60 cps.  
★ Power capacity 600 watts.  
Shipping weight 1 lb. \$5<sup>49</sup>  
Olson X-48

## GI 4-POLE MOTOR



Olson MO-184  
**SALE 69<sup>c</sup>**

★ Ideal for Recorders & Turntables  
★ Bronze Bearings  
★ Size: 2 3/4" x 2 3/8" x 3 1/2"  
★ 110-120 Volts AC, 60 cps.  
★ Quiet Smooth Running  
Shipping weight 5 lbs.

## Heavy Duty BLOWER



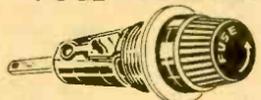
Olson MO-79 \$10<sup>49</sup>  
60 cubic ft. per min. For use where continuous circulation of air with minimum noise is required. Two pole. Shaded-pole motor for cool, efficient, continuous duty. Made in U.S.A. Size: 6 1/2" x 6". 110-125 v. AC 60 cps. Shipping weight 5 1/4 lbs.

## MINIATURE MOTOR and BLOWER



Olson MO-204 \$99<sup>c</sup>  
Miniature blower can be used to cool electronic components. High speed motor operates on 1.5 to 6 volts DC. Squirrel cage type fan with plastic air duct. Size: 2 3/8" x 3 1/4" x 2". Shipping weight 1 lb.

## FUSE HOLDERS



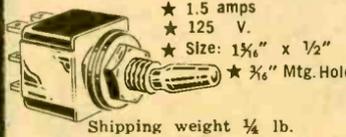
★ Kit of three standard holders for chassis mounting.  
★ For 3 AG Size Fuses  
★ 1/2" Mtg. Hole  
Shipping weight 1/4 lb. \$1<sup>19</sup>  
Olson FU-6

## SHOP BY MAIL

**SAVE TIME MONEY MILEAGE GASOLINE**  
OLSON SHIPS SAME DAY!

Earl C. Hoffer, 517 Poinciana Drive, Birmingham, Ala. 35209; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

## SPDT Miniature Toggle Switches

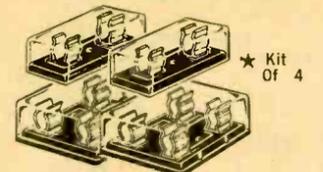


★ 1.5 amps  
★ 125 V.  
★ Size: 1 3/4" x 1/2"  
★ 3/8" Mtg. Hole  
Shipping weight 1/4 lb. \$1<sup>19</sup>  
Olson SW-211, 4 for \$4.00, Ea.

## DPDT Miniature Toggle Switches

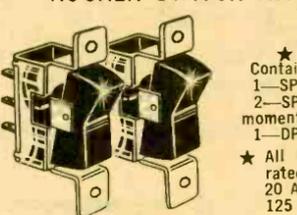
Same as above but DPDT. No. SW-212 3 for \$3.75 - Ea. \$1.29  
Dels Radio & TV, 526 Gallivan Blvd., Dorchester Mass. 02122; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

## FUSE HOLDERS



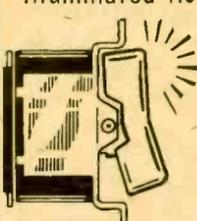
★ For popular 1 1/4" x 1/4", 3AG size fuses  
★ Two of the holders accept 2 fuses and two holders accept 1 fuse each  
★ With snap-on dust covers.  
Shipping weight 1/4 lb. \$99<sup>c</sup>  
Olson FU-8, 4 for \$3.50, Ea.

## ROCKER SWITCH KIT



★ Contains:  
1-SPST,  
2-SPST momentary,  
1-DPDT  
★ All rated at 20 A. @ 125 V.  
★ These give new appearance to your old equipment.  
Shipping weight 1/2 lb. \$1<sup>69</sup>  
Olson SW-357

## Illuminated Rocker Switch



★ Standard SPST rocker switch with a built-in neon bulb.  
★ Size: 1 3/4" x 5/8" x 1 1/8"  
★ 1 1/2" mtg. centers.  
★ Switch rating 125 volts at 10 amp.  
★ Bulb operates on 120 volts, A.C.  
Shipping weight 1/4 lb. \$1<sup>19</sup>  
Olson SW-356, 4 for \$4.00

## ALLIANCE Squirrel Cage FAN



Heavy duty, 1750 RPM, shaded pole, induction motor. Features permanently lubricated bearings, 3 1/2" dia. squirrel cage fan. Size: 4" x 3 1/2" x 2 3/4". For 110 to 125 volts AC, 60 cps. Shipping weight 3 lbs. \$1<sup>59</sup>  
Olson MO-137

## 20 RPM MOTOR



★ INTERMITTENT DUTY  
★ Enclosed Gear Train  
★ 1/4" Diameter Shaft  
★ Clock Wise Rotation  
★ Self Starting  
★ Size: 5 1/2" x 2 3/4" x 2 3/4"  
★ 110-120 V. AC, 60 CPS  
Shipping Weight 3 lbs. \$1.39  
Olson MO-171

## HAYDON TIMING MOTOR

Genuine Haydon timing motor. 1/4" dia. shaft rotates at 1/12 RPM. Shaft is 5/8" long. Over-all size: 3 3/4" x 2 1/4" x 1 1/4". Mounting centers: 1 1/4". Includes 6" wire leads. Operates on 24 volts, AC. 60 cps. Shpg. wt. 1/4 lb. \$1  
Olson MO-173 FOUR FOR \$1  
117 V. A.C. to 24 V. A.C. TRANSFORMER No. T-290 \$1.89

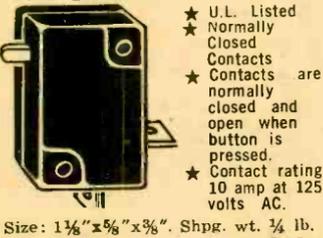
## TIMING MOTOR

★ 5" Leads  
★ Dustproof Gear Housing  
★ Self Starting  
★ Sizes 2 1/2" x 1 1/4" x 2"  
★ All Operate on 125 V. AC.  
Allow 1/4 lb. Shpg. wt. per motor  
1/20 RPM  
Olson MO-88 4 FOR \$1 ea. \$29<sup>c</sup>

## Ingraham 1 RPM TIME MOTOR

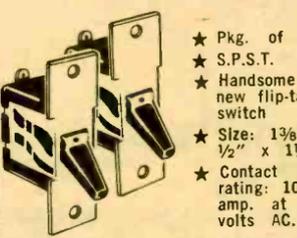
Heavy duty gear box and motor frame. Fully insulated coil. Size: 1 15/16" dia. x 7/8" d. Gear box has a 1/4" x 3/8" L. For 110-125 v. AC 60 cps. Shp. wt. 1 lb. \$79<sup>c</sup>  
Olson MO-113... ea.

## MICRO SWITCHES



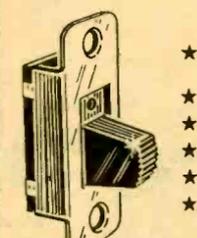
★ U.L. Listed  
★ Normally Closed Contacts  
★ Contacts are normally closed and open when button is pressed.  
★ Contact rating 10 amp at 125 volts AC.  
Size: 1 1/4" x 5/8" x 3/8". Shpg. wt. 1/4 lb. \$99<sup>c</sup>  
Olson SW-365 3 for \$1.99  
Kit of 4 MICRO SWITCHES  
Olson SW-363 \$1.99

## TAB SWITCHES



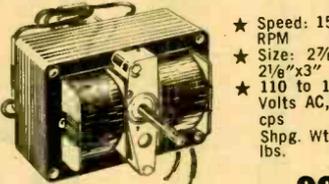
★ Pkg. of 2  
★ S.P.S.T.  
★ Handsome new flip-tab switch  
★ Size: 1 3/8" x 1/2" x 1 1/4"  
★ Contact rating: 10 amp. at 117 volts AC.  
★ Replaces conventional toggle switches to update equipment.  
Shipping weight 1/4 lb. \$1<sup>19</sup>  
Olson SW-384 4 for \$4.00

## CARLING SWITCH



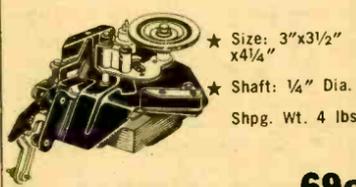
★ Heavy Duty AC and AC-DC  
★ U.L. Listed  
★ Made in U.S.A.  
★ S.P.D.T.  
★ 6 AMPS @ 125V  
★ 3 AMPS @ 250V  
Olson SW-313 Pkg. of 2 \$99<sup>c</sup>

## 4-POLE MOTOR



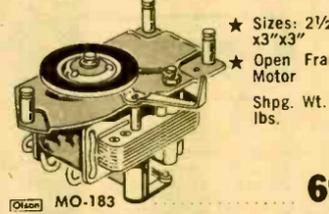
★ Speed: 1500 RPM  
★ Size: 2 7/8" x 2 1/8" x 3"  
★ 110 to 120 Volts AC, 60 cps  
Shpg. Wt. 3 lbs. \$99<sup>c</sup>  
Olson MO-138

## 2-COIL 4-POLE MOTOR



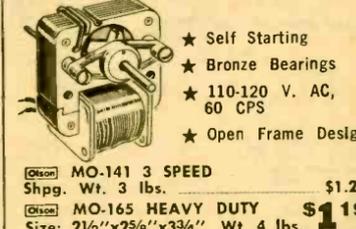
★ Size: 3" x 3 1/2" x 4 1/4"  
★ Shaft: 1/4" Dia.  
Shpg. Wt. 4 lbs. \$69<sup>c</sup>  
Olson MO-182

## 2-POLE PHONO MOTOR



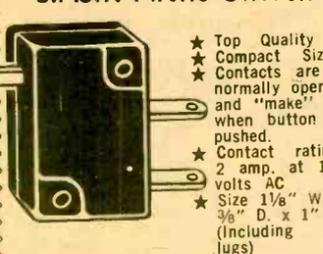
★ Sizes: 2 1/2" x 3" x 3"  
★ Open Frame Motor  
Shpg. Wt. 3 lbs. \$69<sup>c</sup>  
Olson MO-183

## SHADED POLE MOTORS



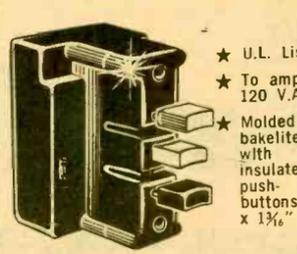
★ Self Starting  
★ Bronze Bearings  
★ 110-120 V. AC, 60 CPS  
★ Open Frame Design  
Olson MO-141 3 SPEED Shpg. Wt. 3 lbs. \$1.29  
Olson MO-165 HEAVY DUTY \$1<sup>19</sup>  
Size: 2 1/2" x 2 5/8" x 3 3/4". Wt. 4 lbs.

## S.P.S.T. MICRO SWITCH



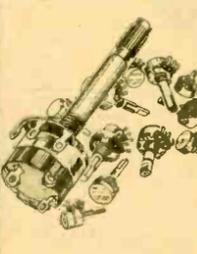
★ Top Quality  
★ Compact Size  
★ Contacts are normally open and "make" when button is pushed.  
★ Contact rating 2 amp. at 125 volts AC  
★ Size 1 1/8" W. x 3/8" D. x 1" H. (Including lugs)  
Shipping weight 1/4 lb. \$39<sup>c</sup>  
Olson SW-337, 3 for \$99<sup>c</sup>

## ARK-LES S.P.D.T. SWITCH



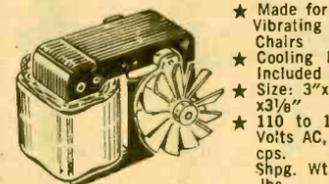
★ U.L. Listed  
★ To amps @ 120 V.A.C.  
★ Molded bakelite with insulated push-buttons. 2" x 1 3/8" x 2"  
Shipping weight 1/4 lb. \$1  
Olson SW-347 3 FOR \$1

## 12-Pc. Volume Control Kit



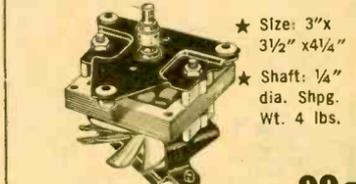
★ Brand names such as Centralab, Mallory and others.  
★ Various shaft lengths and diameters  
★ Some include switches  
★ Carbon and wire-wound type.  
Shipping weight 1 lb. \$49<sup>c</sup>  
Olson VC-274

## VIBRATOR MOTOR



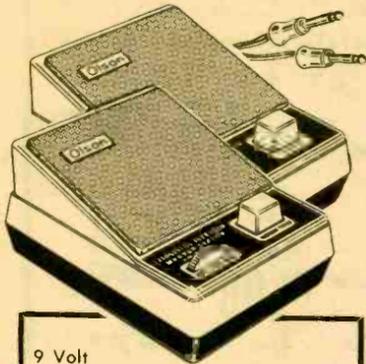
★ Made for Vibrating Chairs  
★ Cooling Fan Included  
★ Size: 3" x 2 1/2" x 3 1/8"  
★ 110 to 120 Volts AC, 60 cps.  
Shpg. Wt. 4 lbs. \$99<sup>c</sup>  
Olson MO-170

## 4-Coil 4-Pole MOTOR



★ Size: 3" x 3 1/2" x 4 1/4"  
★ Shaft: 1/4" dia. Shpg. Wt. 4 lbs. \$99<sup>c</sup>  
Olson MO-181

## Olson 2-STATION INTERCOM SYSTEM

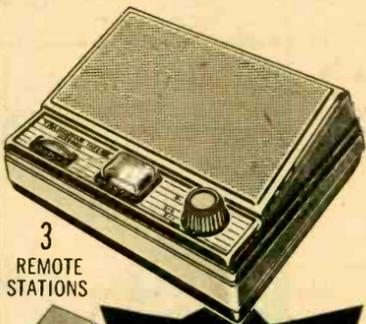


9 Volt Battery Included  
**\$9<sup>98</sup>**  
 Olson AM-252  
 3 for \$28

The system consists of one master and one remote plus 66 ft. lightweight cable with plugs, tape and wire tacks. Master station has switch and volume control. Special tone calling circuit permits remote station to call even when power is off. Size: (each unit) 3" x 1 1/4" H. x 4" D. Shpg. wt. 2 lbs.

EXTRA BATTERY, No. BA-89 Ea. 21c

## Olson 4-Station INTERCOM SYSTEM



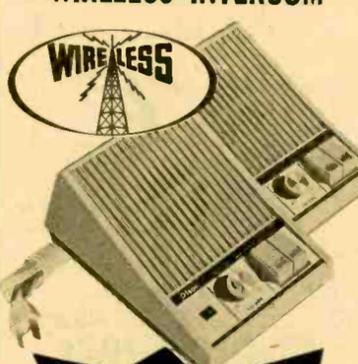
3 REMOTE STATIONS

ALL 4 UNITS  
**\$19<sup>95</sup>**  
 AM-308

Three 60 ft. lengths of cable are included, each cable has a plug at each end. Master station has volume control and 4-way selector switch. Remote station can call master station even when power is turned off. Master unit operates on a single 9-volt battery (included). Size: Master: 4 1/2" W. x 3 1/2" D. Remotes: 2" W. x 4" D. Shipping weight 3 lbs.

Extra Battery (1 req'd.) No. BA-89 Ea. 21c

## Olson Deluxe Solid State WIRELESS INTERCOM



**\$34<sup>95</sup>**  
 AM-354

★ Just Plug-In

No installation, no wires. Press-to-talk button has hold down feature so you can talk without holding button and includes built-in call signal. Has built-in pilot light. Must be used on same electrical circuit. Size: each 4 3/4" W. 6 3/4" D. x 2 3/4" H. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 4 lbs.

## COUPON SALE Olson Solid State WIRELESS INTERCOM



**SALE**

No. AM-340  
**\$19<sup>99</sup>**  
 Reg. \$29.98

- ★ Instant Communications
- ★ Around the House... Office... Garage to House... Work Shop to House
- ★ Just Plug them in... No Hook-up
- ★ Convenient Push-to Talk Switch
- ★ Monitor Switch
- ★ Switch and Volume Control

110-120 volts AC, 50/60 cps. Size: 2 1/2" x 4 1/4" x 1 1/2". Shipping wt. 4 lbs.

## Olson Telephone MONITOR



- ★ Earphone Included
- ★ 3 Transistor Circuit

**\$6<sup>99</sup>**  
 AM-298

Excellent aid for hard of hearing. Can be used for locating noise sources, etc. Compact size, only 1 7/8" x 1 1/8". Has 8 ft. cable. Operates on one hearing aid type battery (not included). Shipping weight 1/4 lb.

Battery for above, BA-127 4 for \$1.68

Jim Sticklew, 416 S. Campbell St., Macomb, Ill. 61455; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

## Olson Photo Electric RELAY SYSTEM



**\$19<sup>95</sup>**  
 Olson SW-364

- ★ Infra-Red Filter for "Invisible Light" Operation
- ★ Range to 49-Feet
- ★ Self-Powered

Can signal persons entering a room, count people, merchandise or function as an effective alarm system. Includes light source and receiver. Size of each unit, 6" x 4 1/2" x 3". Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 6 lbs.

## BOGEN ALL MASTER TELEPHONE INTERCOM SYSTEM



**\$27<sup>80</sup>**  
 Olson AM-156

Model TQ6A. A total of 7 instruments can be used in a system. Any station can call any other station. (6 push-buttons). Less cable and power supply. Shipping weight 4 3/4 lbs. 117 V. AC Transformer Power Supply (1 req'd.) Shpg. Wt. 5 3/4 lbs. No. AM-157 \$25.00 Complete System (7-AM-156, 1-AM-157). Shpg. Wt. 40 lbs. AS-657, \$13 monthly \$199 Cable (10 Conductor) No. W-536 Per ft. 11c

## FANON PROTECT HOME AND FAMILY... Adds Convenience and peace of mind



★ Optional Fire Detector  
**\$35<sup>50</sup>**  
 AM-348

Deluxe solid state intercom featuring advanced styling, full one watt output and simple push-button operation. Has volume control and standby switch plus talk/listen switch. Master receives "beep" tone call even when turned off. Size: 9 1/2" x 4" x 3 1/4". Operates on 117 volts AC 50/60 cps. Shipping weight 3 lbs.

FIRE SENSING DEVICE will actuate the warning signal at the master even when power is turned off.

Olson AM-349 \$7.75

100 FT. SHIELDED WIRE for connecting the fire sensing device to the master station.

Olson W-561 \$10.50

## FANON TELEPHONE AMPLIFIER TRANSISTORIZED



- ★ Adjustable Volume Control
- ★ "Hands Free" Conversation

A desk-type instrument consisting of a receiving and transmitting unit and an extension speaker. It's easy to use, just place the telephone handset in the cradle of the amplifier and the unit is in operation automatically. 4-transistor circuit operates on one 9 volt battery (included). Size: 10 1/4" x 4 1/2" x 3 1/4". Speaker size 3 1/2" x 3 3/4" x 2". Shipping weight 4 lbs.

Extra Batteries, (1 req'd.) No. BA-89 21c

## FANON 3-STATION Expandable Intercom



- ★ Accommodates Up to 4 Remotes
- ★ Two Remotes & Master Included

Complete three station intercom including 100' of wire. System expands to five stations with purchase of additional remotes listed below. Has ultra-sensitive three transistor amplifier. Housed in a high-impact styrene cabinet. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 2 lbs.

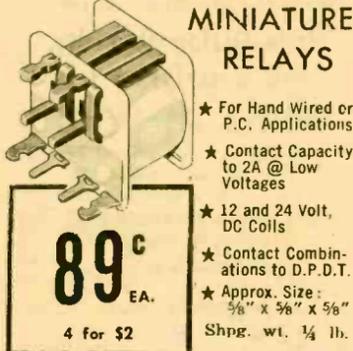
Extra indoor remotes, Olson AM-326 \$5.25 50 Ft. Cable with Plugs for extra remotes. No. W-557 \$2

## FANON 2-STATION EXPANDABLE INTERCOM ★ Solid State



The ultimate in low cost intercoms. An ultra sensitive, 3 transistor unit with a high gain, push-pull amplifier circuit for fine voice clarity. Remote can "beep" signal the master even with the system "off". Built-in power supply operates the units on low voltage for pennies a week. Rich beige and brown cabinets measure 5" x 4 1/4" x 1 3/4". Fifty feet of cable is included. Shpg. wt. 2 1/2 lbs. Operates on 110-120 Volts AC, 50/60 cps.

## PRICE HUSKY MINIATURE RELAYS



- ★ For Hand Wired or P.C. Applications
- ★ Contact Capacity to 2A @ Low Voltages
- ★ 12 and 24 Volt, DC Coils
- ★ Contact Combinations to D.P.D.T.
- ★ Approx. Size: 5/8" x 5/8" x 5/8" Shpg. wt. 1/4 lb.

**89<sup>c</sup>**  
 EA.  
 4 for \$2

Olson SW-403 SPDT contacts. 2000 ohm coil operates on 24 volts DC

ORDER BY PHONE DAY or NIGHT 216-535-9191

MINIATURE 3 VOLT BULBS For 6 or 12 volts, connect in series. Size: 1/4" dia. x 3/4" long. 3 volts @ .120 A. Shpg. wt. 1/4 lb. PL-145, Pkg. of 10 49c

117 V. AC SOLENOID ★ Tremendous Torque Full 3/8" travel. Operates on 110-120 volts A.C. Size 2 1/4" x 1 1/4" x 1 1/2". Shipping wt. 1 lb. SW-336, 3 @ \$1.79 \$1.99

Miniature 12 Volt SOLENOID • 1/8" Travel • Operates Switches, Levers, Etc. • Size: 1 3/4" x 3/4" x 1" • Threaded Mounting Holes Shipping wt. 3/4 lb. Sw-373 2 for \$1 59c

## Telephone WALL JACK



**\$2<sup>19</sup>**  
 Olson PH-118

For 2, 3, or 4 wire systems. Fits standard wall conduit boxes. Takes Olson PH-121 plug. Shipping weight 1/2 lb.

## PLUG-IN NOISE FILTER



**\$1<sup>79</sup>**  
 No. PL-151

Simple Installation Just plug the Olson noise filter into the wall outlet and plug your radio or TV into the filter. Eliminates interference caused by appliances, electric shavers, fluorescent lights, etc., that is transmitted along the electric lines. Size: 2 1/4" L. x 1 1/2" dia. Shpg. wt. 1/4 lb.

## TELEPHONE With Dial



- ★ Factory Tested
- ★ Bell Included
- ★ Extension—Patio, Workshop, Outdoors

**\$7<sup>91</sup>**  
 PH-61

A complete dial telephone just as it was removed from service. Includes complete handset, base, dial, etc. Make your own intercom system or extension telephone. Shipping weight 7 lbs.

MORE TELEPHONES ★ Factory Tested ★ Complete with Dial ★ Bell Included Allow 8 lbs. Shipping weight WESTERN ELECTRIC DIAL PHONE No. PH-61 \$7.91 DELUXE WESTERN ELECTRIC PHONE No. PH-117 \$11.98

- A. PHONE PLUG. Shpg. wt 1/4 lb. Olson PH-121 Each 89c
- B. PHONE JACK. Shpg. wt. 1/4 lb. Olson PH-120 Each 95c
- Combination plug PH-121 and jack PH-120 Olson AS-954 \$1.75
- C. 25' Extension Cable with Plugs No. W-442 \$1.99

**Olson COUPON SALE**

REG. \$4.99  
**\$3.99** CA-317

**18 DRAWER PARTS CABINET**

- ★ Mount on Wall
- ★ Metal Frame
- ★ Can Be Stacked

Sturdy metal frame with clear plastic drawers. Ideal storage for nuts, bolts, screws, fishing tackle, buttons, needles, etc. Size: 9" H. x 9 3/4" W. x 6 1/4" D. Shipping weight 5 lbs.

**Olson COUPON SALE**

REG. \$4.95  
**\$3.95** TL-484

**3X Lens**

**Olson BINOCULAR MAGNIFIER**

Precision ground, polished lenses for very close work without eyestrain. Adjustable head-band. Flip-up viewer. 2 1/2" working distance. Shpg. wt. 1 lb.

**SHRUB TRIMMER SHOP-KING**

LET SHOP KING HELP YOU WITH YOUR LAWN CHORES

Cuts, Trims & Shapes  
 ★ Lightweight Compact

**\$4.89** Olson TL-468

Fits any electric drill. Has powerful shearing action. Hardened tool blade. Smooth-running steel gear drive. Lightweight, ideal for women gardeners. Fully assembled. Shipping weight 3 lbs.

**HEDGE TRIMMER Attachment**

**\$5.49** TL-345

- ★ Blade Stays Sharp for Fast Cutting
- ★ Fits Any 1/4" Drill
- ★ Made in U.S.A.

1/4" beveled edge tool steel blade, permanently lubricated gear housing. Shipping weight 5 lbs.

**Olson POWER CONVENIENCE CENTER**

SHOP KITCHEN

**\$4.98** Olson SW-397

- 6 Available AC Outlets from one
- Master On/Off Switch
- Indicator Light
- Heavy Duty AC Cable
- Size: 7" x 4" x 1 1/2"
- Shipping Wt. 2 lbs.

**Olson MOTOR SPEED CONTROL**

★ Built In "Night Lighter"

**\$9.98** Olson MO-205

- Controls Motor Speed
- Dims Lights
- Built-In Photo Cell
- Turns On And Off At Dusk And Dawn
- 300 Watt Capacity
- Convenient Piggy-Back AC Plug
- Handy Suction Cup Mounting
- Size: 4" x 2" x 2 1/2"

Operates on 110-120 volts AC 50/60 cps. Shipping weight 2 lbs.

**Olson 18 PC. HEX KEY WRENCH SET**

HANDY PLASTIC POUCH

**\$1.29** Olson TL-485

Consists of 9 short and 9 long wrenches from .050" to 3/8". Made of fine quality tool steel. Handy plastic pouch has separate compartments for long and short wrenches. Shipping weight 1 1/2 lbs.

**Olson DRILL SAW SET**

**99c** Olson TL-486  
 4 for \$3.50

- Works With Any 1/4" Drill
- Handy Carrying Case
- 3 1/2" x 4 1/2" x 6" Long
- Cuts Circles, Ovals, Squares, Etc.
- For Wood, Steel, Plastic, Etc.

Shpg. wt. 1 lb.

**STEEL BENCH FRAME**

★ All Purpose  
 Olson KB-98

**\$6.49**

Predrilled. Two or more frames may be combined. Size: 22 1/2" x 47 1/2" x 34" high. Pre-finished. May be shipped parcel post to all cities. Shpg. wt. 17 1/4 lbs.

**6 PIECE SCREWDRIVER KIT**

★ Quality Construction

**\$3.29** Olson TL-455  
 3 for \$9.57

Kit of 6 high quality jeweler's screwdrivers. Features brass handles and carbon steel blades. Sizes from 1/8" to 3/8" wide. Shpg. wt. 1 lb.

**PRINTED CIRCUIT SOLDERING AIDS**

**\$2.29** Olson TL-491

★ Kit of 3

- Cleans and Clears Holes in Circuit Board
- Chrome Plated Steel
- Holds Components in Place For Soldering
- Removes Excess Solder
- 4" Long x 3/4" Dia.
- Shipping weight 1/4 lb.

**PRECISION FILES**

★ Set of 4  
 ★ For Hobbyists, Jeweler, Watchmaker, Toolmaker

**\$2.49** Olson TL-498

- Includes Triangle, Square, Flat & Round Types
- Handy Carrying Case
- 5 1/2" Long
- Ideal For Printed Circuit Repair
- Shipping weight 1/4 lb.

**STAINLESS STEEL SHEARS**

**\$2.99** Olson TL-492

- Won't Rust or Tarnish
- Stays Sharp
- 4 1/4" Long
- Convenient Comfort Grip
- For Hobblist, Seamstress or Mechanic (A Must for the Tackle Box)

Shipping weight 1/4 lb.

**Olson 6" Jeweler's Angle TWEEZER**

**\$1.19** Olson TL-483

- ★ Experimenters
- ★ Servicemen
- ★ Hobbyists

★ Nickel Plated Steel

Ideal for picking up and holding small parts. Use as heat sink when soldering transistors, etc. Made of nickel plated steel. Tapered to a sharp point. Shipping weight 1/4 lb.

**Olson SOLDERING PISTOL**

**\$2.69** Olson TL-477  
 3 for \$7.77

★ Comfort Grip Handle

35 watt soldering pistol features sturdy construction and small pyramid type point. Perfect for printed circuits and hard to reach places. Comfort grip handle is molded of break-resistant plastic. For 110 to 120 volts AC, 50/60 cps. Shpg. wt. 1 1/2 lbs.

**7-PIECE DRIVER SET**

**\$2.69** No. TL-174

Insulated color size keyed shafts. In sizes: 3/16", 1/4", 5/16", 3/8", 1/2", and 5/8". Shipping weight 1/4 lb.

**TAPE WITH-A-GRIP**

**99c** TA-520

- ★ Two Faced Pressure Sensitive Tape
- ★ Mounts Medicine Cabinets, Mirrors, Utility Racks, etc.
- Grips Any Clean Surface
- Tremendous Holding Power
- Pads Household Objects

**Olson HAND TAP SET**

7-PIECE  
 ★ American Standard Thread  
 ★ All Metal Tap Wrench

**\$1.69** Olson TL-476  
 3 FOR \$4.86

Includes 6 of the most often needed sizes, 8-32, 6-32, 4-36, 4-40, 3-48 and 2-56. Perfect for the serviceman or experimenter. Made of strong tungsten steel. All 7 pieces fit into a sturdy plastic pouch. Shipping weight 1 lb.

**500 WATT VARIABLE Voltage Control**

**\$12.99** T-279

Variable auto-transformer of toroidal core design delivers variable AC voltage from 0 to 130 volts. Maximum rating applies over full range of output voltage. Ideal for schools, service shops, laboratories, etc. Comes with line cord and plug. AC input 110-125 volts AC, 50 to 60 cps. Shipping weight 10 1/2 lbs.

**DYMO LABELMAKERS** Instant Labels For Any Occasion

**LABELMAKER MODEL M-4**

**\$3.99** Olson TL-414

Just dial the letters or numbers, come up with white on colored self-sticking vinyl, ready to apply on radios, brief cases, books, etc. So easy to operate, anyone can use it. Embossing wheel has 44 characters A-Z, 0-9, plus \$ & % + - . Size: 6 1/2" x 6". Shipping weight 2 lbs.

**1/4" & 3/8" TAPEWRITER**

**\$9.98** Olson TL-393

PULL UP TO CUT-OFF

100's OF USES

**6 Ft. TAPE Cartridges ea. 75c**

Yellow	TL-416	Blue	TL-420
Black	TL-417	Gold	TL-421
Red	TL-418	Orange	TL-450
Clear	TL-419	Green	TL-451
Walnut	TL-469		

10 ft., 3/8" TAPE CARTRIDGES, Ea. \$1.25  
 \$201-9 Black No. TL-395  
 \$201-2 Red No. TL-405  
 \$201-5 Green No. TL-406  
 Walnut ..... TL-470

Make your own embossed name plates. Easy to operate, just dial letters and numerals. Crisp white letters against a colored background. Cut off label with built-in cutter, apply pressure sensitive label anywhere. Tape is supplied in a new quick change throw away cartridge. 10 ft. roll included. Uses both 1/4" and 3/8" tapes. Made in U. S. A. Shipping weight 2 1/4 lbs.

**Olson SELF-ADJUSTING SOCKET WRENCH**

★ Chrome Plated Steel

★ Made in U.S.A.

**\$5.39** Olson TL-463

Automatically selects the right socket to fit seven different sizes of hex head bolts or nuts, from 1/4"-7/8". Just press and turn. Tempered steel sockets and springs. Husky, shock-proof, insulated handle. Size: 8" x 1 1/4". Shipping weight 1/2 lb.

**We Want To Continue To Send You Olson CATALOGS . . .**

but it costs us several dollars each year to do so. For this reason we must receive an occasional order from you in order to keep you on our mailing list. Just an order or two each year will keep you on our ACTIVE list . . . and you will receive the Olson Catalogs without interruption.

Olson merchandise is manufactured around the world, ENGLAND, FRANCE, GERMANY, DENMARK, ITALY, HOLLAND, JAPAN and U.S.A.

We travel all over the world carefully selecting the finest manufacturers to produce quality products at reasonable prices. You can be sure when you select an Olson product that it is made of the finest material with the best "know-how" in the electronic industry anywhere in the world.

**Olson CRISS CROSS TWEEZERS**

**\$1.19** Olson TL-499

- ★ Nickel Plated
- ★ Precision Made

For intricate work in confined areas. Tweezers grip and hold small parts. Makes an ideal heat sink when soldering transistors, etc. Size 4 1/2" long. Shipping weight 1/4 lb.

**ABOUT OUR PRICES**

Your order is shipped at the current price. Prices in this catalog replace prices in all previous Olson catalogs and are subject to change without notice. Orders are filled at the price in effect at time of shipment.

**YOU BENEFIT FROM ANY PRICE REDUCTION.** If prices are lowered during the life of this catalog you get the advantage of the lower price. We reduce the cost accordingly and send you a refund at the time we make the shipment.

**Olson PENCIL SOLDERING IRON**

**\$1.99** Olson TL-448

30 watt soldering iron features sturdy construction and small pyramid type point. The handle is made of break resistant bakelite. Size: 9 1/4" long overall, 1 1/4" dia. at widest point. For 110-120 volts AC, 50/60 cps. Shipping weight 1 lb.

1 lb. ROSIN CORE SOLDER  
 60/40 Shipping Weight 1 1/2 lbs. **\$2.49**  
 No. X-27

**Olson WANTS TO BUY!**

Olson will pay top CASH prices for electronic parts and equipment similar to the items found in this catalog. Merchandise must be first quality. May be complete or incomplete. Large quantities preferred.

**Write Giving Quantity and Description to Willis A. Wolf**

260 S. Forge Street  
 Akron, Ohio 44308  
 Area Code 216, 535-9191

**ALLIGATOR CLIPS**

Plated alligator clips, strong grip jaws for use in all types of test equipment. Screw type connections. Shipping wt. 1/2 lb.

**69c** Olson AS-88. Pkg. of 10 . . .

**ORDER BY PHONE DAY OR NIGHT**

**216-535-9191**

W. H. Atkinson, 121 Mountain Drive, Wapping, Conn. 06087; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

**Olson Color TV Tuner CLEANER & LUBRICANT**

**\$1.29** Olson TL-459

Cleans and lubricates contact points on TV tuners, relays, switches, generator armatures, regulators, etc. Also restores carbon controls. Fine spray 2 or 3 seconds will give long lasting results. Does not contain Carbon Tet. Shpg. wt. 1/2 lb.

**5 Piece TOOL SET**

- ★ Insulated Plastic Handles
- ★ Wire Stripper

**\$1.19** Olson TL-474  
 3 FOR \$3.00

Kit contains 2 miniature screw drivers (one with built-in wire stripper), 1 phillips screw driver, 1 drill and 1awl. Each tool fits into a pocket in the handy carrying case. Length 4". Shipping weight 1/2 lb.

**500 WATT VARIABLE Voltage Control**

**\$12.99** T-279

Variable auto-transformer of toroidal core design delivers variable AC voltage from 0 to 130 volts. Maximum rating applies over full range of output voltage. Ideal for schools, service shops, laboratories, etc. Comes with line cord and plug. AC input 110-125 volts AC, 50 to 60 cps. Shipping weight 10 1/2 lbs.

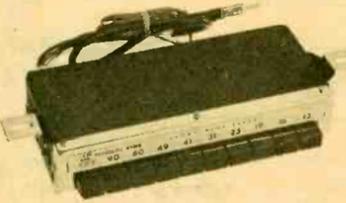
**CRAMER Elapsed Time INDICATOR**

**\$5.44** ME-135

★ Use In Machine Shop or School Lab

Cramer type BH20L - 40 or 110/125 volt AC. 60 cycle elapsed time indicator. Records elapsed time in hours, tenths and hundredths (1/100). Range: 0.999999 hrs. and repeats. Front panel mounting plate 3 1/4" wide x 2 3/4" high. Body 2 1/4" x 2 1/4" x 3 3/8" deep. Shpg. weight 4 1/2 lbs.

# 9-Band Shortwave TUNER



- ★ Solid State
- ★ Enjoy Shortwave In Your Car

**\$29<sup>95</sup>**  
AU-125

- ★ 6 & 12 Volt, Pos. Or Neg. Gnd.
- ★ Tunes 3.1 To 22 MC
- ★ Mounting Hardware Included
- ★ Uses Standard AM Antenna
- ★ Connects To Ant. Jack Of Reg. AM Radio
- ★ Size: 1 5/8" x 8 1/8" x 3 1/2". Shipping weight 3 1/2 lbs.
- ★ Push Buttons For 90, 60, 49, 41, 31, 29, 19, 16 & 13 Meters

# TRIPP LITE INVERTER

Built-In Battery Charger ★ 12V DC to 117V AC



Supplies 117 volt AC 60 cycle voltage at 200 watts continuously from 12 V. DC battery. Highly efficient, no vibrators, uses transistors. Standard electrical female output. Size: 5 1/2" x 5 1/4" x 3 1/2". Shpg. wt. 6 1/4 lbs. Made in U. S. A.

Heavy duty 400 watt (continuous) inverter. Supplies up to 450 watts for intermittent duty (5 minutes). Fully transistorized. Shpg. wt. 13 lbs. RA-41 \$99.50



# SALE



## AUTO Burglar Alarm

★ SIMPLE TO INSTALL  
Protection For Cars, Wagons, Trailers, Trucks and Vans.

**SALE \$9<sup>95</sup> Reg. \$14.98**  
AU-121 (less siren)

Inside car lights flash on and off with activated horn. Includes lock, 2-keys, 6-alarm activator switches, 2-relay switch units, horn flasher, wire terminals and screws. 12 volts, pos. or neg. grd. cars. Shipping weight 3 lbs.

Deluxe alarm with high powered siren alarm. Similar to above but includes a heavy-duty police-type siren. Shipping weight 6 lbs. AU-116 \$27.98

## EMERGENCY WARNING SWITCH



SW 324  
**\$1<sup>69</sup>**  
3 For \$4.77



PARKING LIGHTS AND TAIL LIGHTS BLINK TOGETHER

Flashes all front and rear lights simultaneously. Warns on-coming drivers of stalled vehicle. Mounts anywhere under dash within easy reach—for all 6 and 12 volt systems. Pilot light on emergency switch lights and glows every time brake pedal is applied. Detects defective brake switch, stop lights or wiring. Shipping weight 1/4 lb.

## CIGAR LIGHTER PLUGS



Package of 2 No. X-955 **69<sup>c</sup>**

Two standard auto lighter plugs, with 32" cable attached. Ideal for CB transceivers, portable lights. Shpg. wt. 1/4 lb.

## Auto BACK-UP ALARM



★ For Cars With Back-Up Light

**\$4<sup>48</sup>**  
AU-120

A loud buzzing sound alerts pedestrians and other motorists when you are about to back up. Quick clip terminal attaches without splicing. Rust-proof brass with chrome finish. 12 volts DC. Shipping weight 1 lb.

## JUDSON Electronic Magneto IGNITION SYSTEM

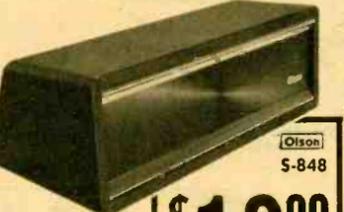


**\$39<sup>88</sup>**  
AU-124 ONLY

- Reduces Fuel Consumption
- Doubles Plug & Point Life
- Easy Installation
- Top High-RPM Performance
- Zener Diode Protected
- For 6 or 12 Volt Systems, Neg. Gnd.
- Minimum Output: 30,000 Volts

Shipping weight 3 1/4 lbs.

## REAR SEAT SPEAKER



**\$12<sup>99</sup>**  
S-848

★ Punched Metal Grille  
★ Car-Wagon-Camper

Full Range 3" x 9" Speaker

Features a full range, acoustic suspension speaker and wood baffle. Lined with fiberglass and covered with vinyl. Chrome trim and matching metal grille. Response: 80 to 20,000 cps. Power capacity: to 4 watts program material. Impedance: 8 ohms. Size 12" W. x 5 1/4" D. x 4 1/2" H. Shipping weight 4 lbs.

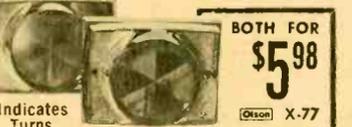
## Jeweled Swiss Stop (N'Go) WATCH



**\$9<sup>98</sup>**  
X-531

Scale divided in 1/10 seconds up to 30 seconds on outer dial. Inner dial registers up to 15 minutes. Side and crown push buttons. 1 3/4" dial. Shpg. wt. 1/4 lb.

## SIDE-GUARD SAFETY LIGHTS



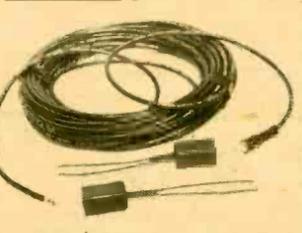
★ Set Of TWO  
**\$5<sup>98</sup>**  
X-77

Indicates Turns From Side

- Amber Lenses
- Universal Mounting Kit
- 12 Volt Pos./Neg. Gnd.
- Heavily Chromed
- Includes Wire and Instructions

Shpg. wt. 2 lbs.

## COAXIAL CABLE COLOR KIT



★ Improved Color Reception

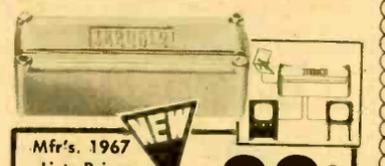
REDUCES INTERFERENCE  
ELIMINATES LINE LOSSES

**\$12<sup>98</sup>**  
W-562

For best color reception convert your 300 ohm antenna system to 75 ohm system. Designed to improve color and black and white TV and FM stereo reception. Kit contains indoor and outdoor balun transformers for matching antenna and set to coax cable. Also includes coax connectors, mounting hardware, 75 ft. of cable and mast insulator. Shipping weight 2 lbs.

Same Kit as above with 100 Ft. of Cable, No. W-563 \$14.98

## JERROLD UHF 2-SET COUPLER



Mfr's. 1967 List Price **\$4<sup>50</sup>**  
**99<sup>c</sup>**  
No. AA-224

- ★ Connect 2 TV Sets to One UHF Antenna
  - ★ Ultra Low Loss
  - ★ Excellent Inter-Set Isolation
- Shipping weight 1 lb.

## JERROLD GENERAL INSTRUMENT UHF CONVERTER



AA-225  
**\$19<sup>95</sup>**  
Mfr's. 1967 List Price \$29.95

- ★ For Channels 14 to 83
  - ★ Easy Hook-Up to Any TV Set
  - ★ Equips Any Set To Receive UHF
- Size: 9 1/2" W. x 4" D. x 4 3/4" H. 110 to 120 volts AC, 50/60 cps. Shpg. wt. 5 lbs.

## 100' 'Prime-Line' SHIELDED COLOR LEAD-IN



**\$13<sup>49</sup>**  
W-543

Shielded 300 ohm lead-in for TV or FM. Shielded for outstanding noise-resistant performance. Each conductor is foam insulated and coated with abrasion-proof vinyl. Delivers noise-free signal from antenna to set, efficiently. Shipping weight 3 lbs.

## TV WALL JACK



AA-144  
**\$2<sup>69</sup>**  
3 for \$7.77

Antenna wall jack and two-set coupler. Connect two TV sets or a TV and FM to one antenna. Shpg. wt. 1/2 lb.

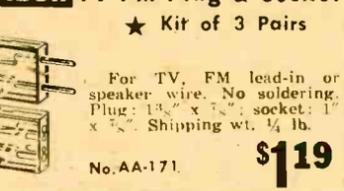
## 72 Ohm to 300 Ohm ANTENNA MATCH



AA-198  
**\$1<sup>69</sup>**  
3 for \$4.77

Converts 72 ohm shielded co-ax cable to standard 300 ohm impedance to match input of TV set. Complete with co-ax connector. Size: 3" x 1" x 1". Shpg. wt. 1/4 lb.

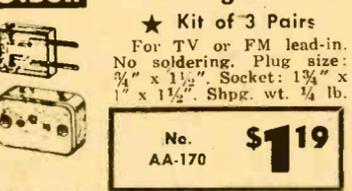
## TV-FM Plug & Socket



AA-171  
**\$1<sup>19</sup>**

For TV, FM lead-in or speaker wire. No soldering. Plug: 1 1/2" x 1 1/2"; socket: 1 1/2" x 1 1/2". Shipping wt. 1/4 lb.

## TV-FM Plug & Socket



AA-170  
**\$1<sup>19</sup>**

For TV or FM lead-in. No soldering. Plug size: 3/4" x 1 1/2"; Socket: 1 1/4" x 1 1/2". Shpg. wt. 1/4 lb.

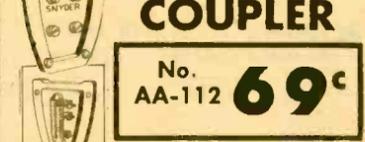
## 100' 'Prime-Line' LEAD-IN



W-541  
**\$4<sup>79</sup>**

New "Prime-line" lead-in is foam insulated and covered with abrasion resistant black poly jacket. The outer layer of insulation is impregnated with carbon black for super resistance to the deteriorating effects of the sun's ultra violet rays. Shipping weight 2 lbs.

## Snyder 2-SET COUPLER



AA-112  
**69<sup>c</sup>**

Efficient balun coil operation matches two TV sets or TV-FM sets to one antenna with a minimum of loss. For standard 300 ohm antenna systems. Size 2 1/2" x 3 1/4" x 1". Shpg. wt. 1/4 lb.

## TV-FM WALL PLATE



AA-51  
**99<sup>c</sup>**  
4 for \$3.50  
7 for \$6  
12 @ 65c ea.

Allows you to put an outlet for 300 ohm flat TV lead-in wherever you wish. Comes with polarized plug, mounting hardware and complete instructions. Shipping weight 1/4 lb.

## Stand-Off SUPPORT

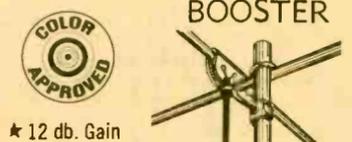


AA-222  
**5 FOR 99<sup>c</sup>**

Accepts Standard Screw-In Insulators  
Break-Resistant Plastic  
Self-Adhesive Back

Shipping weight 1/4 lb.

## TV-FM ANTENNA BOOSTER



AA-207  
**\$12<sup>95</sup>**

12 db. Gain  
Built-In 3-Set Coupler  
Built-In Lightning Protection

## TV-FM LEAD-IN



22 Gauge Copper 100' COIL **\$1<sup>89</sup>**  
No. W-73  
Shpg. wt. 2 1/4 lbs.

20 Gauge Copper, 100 Mil Insulation 100' COIL, Shpg. wt. 2 3/4 lbs. **\$2<sup>39</sup>**  
W-311, 3 for \$5.80

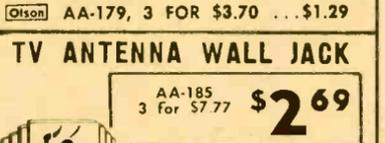
## TV NOISE FILTER



AA-145  
**\$1<sup>79</sup>**  
3 for \$5.07

Greatly suppresses interference caused by auto ignition, oil burners, appliances, neon signs, electric shavers and X-ray. Easy connection, no internal wiring required. Size: 2 1/4" x 1 1/2" x 1/4". Shipping weight 1/4 lb.

## TV ANTENNA WALL JACK



AA-185  
**\$2<sup>69</sup>**  
3 for \$7.77

Built-in transformer matches noise-free 72 ohm co-ax lead-in to 300 ohm input of TV set. Fits standard wall box or can be mounted in wall without wall box. Includes co-ax plug and plug for lead to set. Ivory. Shipping weight 1/2 lb.

## INDOOR TV ANTENNA



AA-180  
**2 FOR 50<sup>c</sup>**

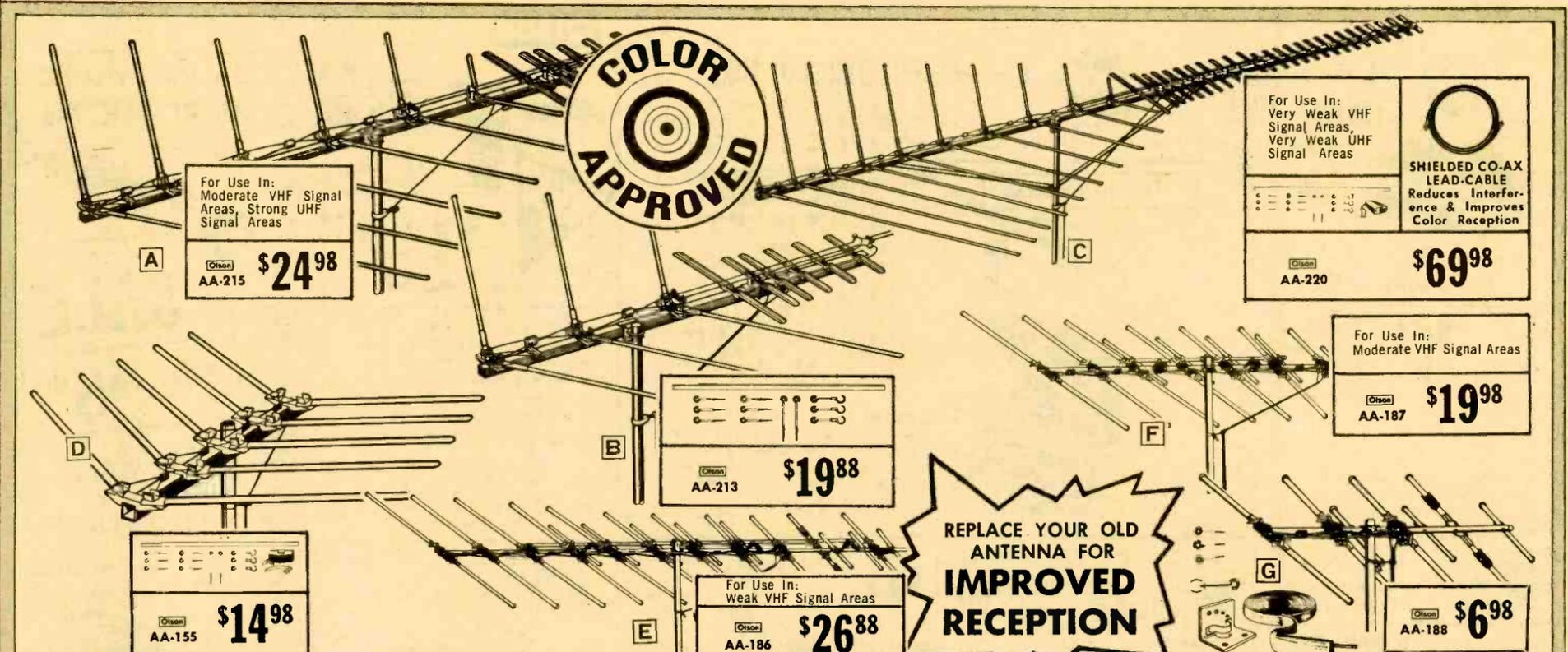
Only one wire to connect—then simply place 2" My-Teo Midget disc antenna where reception is best; on floor, pin to drapes, window, etc. 8' lead-in wire. Shipping weight 1/4 lb.

## TV-FM ANTENNA BOOSTER



AA-207  
**\$12<sup>95</sup>**

Mast mounted amplifier receives its power from the power supply at back of TV or FM receiver. Boosts weak signal to give perfect reception even in fringe areas. Uses 300 ohm lead-in wire. Operates on 120 volts AC. Shpg. wt. 2 lbs.



**REPLACE YOUR OLD ANTENNA FOR IMPROVED RECEPTION**

<p><b>A Olson ALL-BAND COLOR VHF-UHF-FM Antenna</b></p> <p>★ 93" BOOM ★ "GOLD PROTECTO" FINISH</p> <p>No. AA-215 13 Element Ant. Only (less hardware &amp; rotor)</p> <p><b>\$24<sup>98</sup></b></p> <p>★ 6 VHF ELEMENTS ★ 7 UHF ELEMENTS Hardware kit includes 1-5-ft. mast, 2-mast insulators, 6-screw-in insulators and a UHF/VHF splitter. Shipped Railway Express.</p> <p>13 Element Ant. Kit (less rotor), No. AA-214 \$29.98 13 Element Ant. Kit with rotor &amp; control, No. AS-210 \$52.00 16 Element Ant. Only (less hardware &amp; rotor) No. AA-217 \$29.98 16 Element Ant. Kit (less rotor &amp; control), No. AA-216 \$34.90 36 Element Ant. Only (less hardware &amp; rotor) No. AA-219 \$54.98 36 Element Ant. Kit (less rotor &amp; control), No. AA-218 \$59.98</p> <p>ACCESSORIES (Not included above) 100' LEAD-IN WIRE No. W-311 \$2.39 ROTOR THRUST BEARING No. AA-167 \$2.91 100' 5-Cond. Rotor Cable, W-533 \$4.98</p>	<p><b>B Olson 3 IN 1 VHF-UHF-FM ANTENNA KIT</b></p> <p>★ For Use In: Moderate VHF Signal Areas</p> <p>Less Rotor and Control Box</p> <p>No. AA-213</p> <p><b>\$19<sup>88</sup></b></p> <p>★ Gold "Protecto" Finish</p> <p>Only one lead-in wire required. Features "Gold Protecto" finish, nine element high gain and flat response for best color or black and white TV or FM. Kit includes: 1-5' mast, 6-3/4" insulators, 2-7 1/2" stand-offs, 3 1/4" snap-on insulators and an antenna splitter. Boom length 54 7/8". Shipped railway express only. Shipping weight 9 lbs.</p> <p><b>COMBINATION OFFER!</b> Includes AA-213 Antenna Rotor and Control Box. See below for complete Tenna-Rotor specifications.</p> <p>AS-209, All 3 Units <b>\$39</b></p>	<p><b>C Olson CO-AX COLOR VHF-UHF-FM ANTENNA KIT</b></p> <p>★ For Use In: Very Weak VHF Signal Areas Very Weak UHF Signal Areas</p> <p>For deep fringe area reception and really long range... The Olson Co-Ax color antenna has the ability to bring in the signal while keeping out the interference. Rugged construction and gold corodized finish withstand adverse weather to give you many years of trouble free viewing. Kit includes the antenna, 75 feet of foam co-ax with connectors, 5 ft. mast, 2-7 1/2" insulators, 3-1 1/4" mast stand-offs, 6-3 1/2" insulators behind the set matching transformer/splitter. Boom length, 204 1/4". Shipped Railway Express only.</p> <p>ACCESSORIES: (Not included above) Alliance T-45 rotor, AA-168 \$23.98 100 ft. 5 cond. Cable, No. W-533 4.98 Rotor Thrust Bearing, No. AA-167 2.91</p> <p>No. AA-220 <b>\$69<sup>98</sup></b> \$7 MONTHLY ONLY...</p>	<p><b>D TV-FM ANTENNA KIT</b></p> <p>★ FM/FM STEREO ★ FOR BLACK &amp; WHITE OR COLOR ★ SNAP-OUT ELEMENTS ★ For Use In Strong VHF Signal Areas</p> <p>A rugged 5-element antenna having all elements driven with constant spacing for uniform gain and flat response through TV and FM band. Full 1" square boom and sleeve reinforced elements. Antenna length 53". Kit includes: 5 ft. mast, 50 ft. of 300 ohm lead-in, 6-3 1/2" insulators, 2-7 1/2" insulators, 3-1 1/4" snap-on insulators and complete instructions. Shipped Railway Express only.</p> <p>No. AA-155, <b>\$14.98</b></p>	<p><b>E Olson "SPACE PROBE" TV-FM ANTENNA</b></p> <p>★ Gold Anodized Finish ★ Perfect Reception in Fringe Areas ★ Boom Length 145" ★ Shipping weight 30 1/2 lbs. Shipped Railway Express</p> <p>No. AA-186 "Space Probe System" includes AA-186 antenna plus Alliance T-45 rotor, thrust bearing and 100 ft., 5 cond. wire. <b>\$56.00</b></p> <p>"Space Probe" system above with C-225 rotor-thrust bearing not required with C-225. <b>\$64.00</b></p>	<p><b>F Olson "HI-GAIN" VHF-FM ANTENNA</b></p> <p>★ For Use In: Moderate VHF Signal Areas ★ Perfect For FM Multiplex ★ For Color and Black &amp; White ★ Gold Anodized</p> <p>No. AA-187 <b>\$19.98</b></p> <p>Shipped Railway Express only.</p> <p>Rotor Thrust Bearing, No. AA-167 2.91 100-ft. Lead-in Wire, Olson W-541 4.79 100-ft. 5-Conductor Cable, No. W-533 4.98</p> <p>Alliance T-45 Tenna-Rotor w/Motor &amp; Control Box, No. AA-168 23.98</p> <p>Complete kit of above components (less W-541 lead-in wire) No. AS-115 \$48.00</p> <p>"Hi Gain" system above with C-225 rotor in place of T-45 rotor. No. AS-117 \$7 MONTHLY \$56.00</p>	<p><b>G Olson TV-FM ATTIC ANTENNA</b></p> <p>★ For Use in Strong VHF Signal Areas ★ Includes Hardware ★ Mast ★ 50 Ft. Lead-In Wire</p> <p>Factory pre-assembled for fast, easy installation. Employs a new all-channel (VHF) yagi-type antenna. Kit includes: antenna, antenna mast, 50-ft. lead-in wire, hardware. Shipping weight 6 lbs. Antenna length 45". Shipped Railway Express only.</p> <p>No. AA-188 <b>\$6.98</b></p> <p>Vogle Sales &amp; Service, Gloyd Vogle, McCracken, Kansas 67556; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.</p>
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**UHF ANTENNA**

★ For Color or Black & White

No. AA-151 **\$5<sup>29</sup>**

For color and black-and-white. Size 38 1/2" H. x 18" W. x 3 1/4" D. Shpg. wt. 5 1/2 lbs.

**PARABOLIC UHF ANTENNA**

No. AA-175 **\$15<sup>99</sup>**  
2 For \$29

Radar-type screen focuses UHF signals on special wave guide collector element. Factory pre-assembled of gold anodized aluminum. Less mast. Shipping weight 6 lbs.

**FINCO ANTENNA BOOSTER**

★ Mast Mounted Amplifier

SET-1  
SET-2

No. AA-193 **\$29<sup>95</sup>**

A two transistor antenna mounted amplifier with dual output power supply. For VHF channels. Operates on 110 to 120 volts AC, 60 cps. Shipping weight 2 lbs.

**FINCO UHF & VHF 2-SET COUPLER**

No. AA-152 **\$2<sup>79</sup>**

Channel 2 to 83 coupler, full power signal to two UHF or two VHF sets or a VHF and a UHF set from one antenna. Couples a VHF antenna and UHF antenna, two VHF or two UHF antennas to one down-head. Ideal for FM, too. Low loss, excellent isolation. Size: 3" x 2 1/4" x 1 1/4". Shipping weight 1/4 lb.

**LIGHTNING Arrestor**

★ Fuse Protected

**\$3<sup>95</sup>** AA-205

- Protects TV & Home from Lightning Damage
- Replaceable Fuses
- Rugged Weather-Proof Construction
- Screw Type Connectors

Shipping weight 1 lb.

**FINCO UHF-VHF ANTENNA SPLITTER**

★ Connects One Lead-to Both Inputs on TV Set

AA-184 **\$2<sup>49</sup>**  
3 For \$7

Use with black and white or color TV. No signal loss. Shipping weight 1/4 lb.

**Olson FM ANTENNA KIT**

★ Gold Corodized

★ Double Mast Mount

AA-173 **\$7<sup>95</sup>**

An all-direction FM antenna. Complete with 50 ft. of 300 ohm twin line, two mast insulators, three screw eye insulators. Shipping weight 3 1/2 lbs.

**South River Antenna Mount**

NEW

No. AA-236 **\$3<sup>95</sup>**

- For: Peak, Flat, Sloped Roof—Side Wall or Corner Bracket
- Arc Welded Frame
- Heavy Gauge Steel
- Hot Dip Galvanized
- Simple Convenient Mast Clamp
- For Masts up to 1 1/2" OD
- Easily Adjusts to Any Angle
- Fast and Easy To Install

Shipping weight 8 lbs.

**Rembrandt TV COLOR COMPUTER (Not An Antenna)**

★ Magic Link Between Outdoor Antenna and Your TV Set  
★ Strengthens and Regulates Color  
★ Helps Eliminate Ghosts and Fading  
★ Simplifies Color Tuning  
★ Improves All Channels, 2-83

No. AA-238 **\$12<sup>95</sup>**

**Olson FM DIPOLE ANTENNA**

300 OHM

AA-211 **\$1<sup>29</sup>**

Flexible folded dipole antenna for FM or TV. Has tabs on end of wire for easy attachment to back of cabinet. Shpg. wt. 1/4 lb.

**WINDOW FEED-THROUGH TV-FM Antenna Wire "CONNECTOR"**

★ No Holes Needed

AA-204 **\$1<sup>99</sup>**

- Fast Easy Installation • Minimum Signal Loss • For Home-Travel Trailer, Etc. • No Tools Required • No Power Needed • For Color, Black & White, FM

Shipping weight 1/4 lb.

**INDOOR TV-FM ANTENNA**

★ With 6-position switch

AA-225 **\$2<sup>49</sup>**  
3 For \$7.17

Covers VHF and UHF as well as FM Stereo. Has 6 position phasing switch built into base. Complete with 300 ohm lead-in for any set. Extends to 34". Shipping wt. 3 lbs.

**Rembrandt TV COLOR COMPUTER**

★ CLASSIC by Rembrandt UHF-VHF All Channel TV Antenna

- ★ COLOR ★ BLACK & WHITE ★ FM
- 12 position Selector Switch. Special Looped Rings. 4 Section Telescoping Arms. Separate VHF and UHF Leads. Shpg. wt. 3 lbs. No. AA-209 **\$5.95**
- ★ COLOR KING by Rembrandt ALL CHANNEL TV ANTENNA
- ★ Color ★ Black & White ★ FM
- New Color Phasing Loops. Special Color Control. True-to-Life Color Level. Clears Up Ghosts and Snow. Separate UHF and VHF Leads. Shipping weight 5 lbs. No. AA-210 **\$12.95**
- ★ STEREO KING by Rembrandt FM INDOOR ANTENNA
- ★ Multiplex Stereo ★ High Fidelity
- Assures Drift-Free Reception. Strengthens Weak Stations. Up to 10 Times More Effective Than Built-in Antenna. Shpg. wt. 4 lbs. No. AA-208 **\$6.95**

**ALLIANCE TENNA-ROTOR**

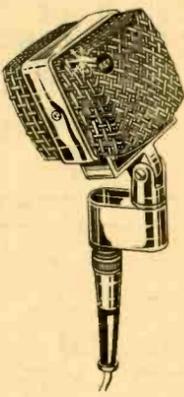
★ With Rotor and Control Box  
★ Deluxe Model T-45

No. AA-168 **\$23<sup>98</sup>**

Takes up to 20-lb. antenna. 110-120 V. AC. Shipping wt. 11 3/4 lbs.

22 Alliance C-225 Solid State Tenna-Rotor. No. AA-169 \$35.25

### RCF Cardioid DYNAMIC MIKE



- Made In Italy
- Dual Impedance: 200 and 20K Ohms
- Chrome Finish
- Built-In Wind Screen
- On/Off Switch
- Response: 50 to 16,000 cps
- Fits 5/8"-27 Stand
- Shock Mounted Element

Size: 6" H. x 2 3/4" x 2 3/4". Shipping weight 3 lbs.

**\$65**

M-263, \$7 Monthly

### RCF Cardioid DYNAMIC MIKE



- Wind Screen Included
- Made In Italy
- Fits 5/8"-27 Stand
- Satin Chrome Finish
- 20 Ft. Cable
- Dual Impedance: 250 and 30K Ohms
- Response: 50 to 16,000 cps
- Size 1 3/8" x 6 19/64". Shpg. wt. 3 lbs.

**\$45**

M-242

### PERSONAL MICROPHONE KIT

Foam padded carrying case with two RCF mikes. Shipping weight 9 lbs.

**\$97**

A5-218, \$10 MONTHLY

### Olson DYNAMIC MICROPHONE



**NEW**

BUILT-IN WIND SCREEN

**\$13.95**

M-301

- Dual Impedance: 50K & 600 Ohms
- Response: 100 to 12,000 cps
- For Any 5/8"-27 Stand
- Off-On Switch
- Chrome and Black Finish
- Detachable Cable Included

Shipping weight 3 lbs.

J. Craig, 3614 Herbert Avenue, Cincinnati, Oh. 45211; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

### Olson Cardioid DYNAMIC MICROPHONE



★ Satin Gold Finish

★ Impedance: 50 K Ohms

**COUPON SALE**

Reg. \$7.99 - **\$5.49**

M-250

★ Output: -55 db.  
★ Size: 6" x 1"  
★ Response: 50 to 13,000 cps  
Shipping weight 2 lbs.

### Olson Cardioid DYNAMIC MIKE MODEL 676



**\$60**

M-204 \$7 Monthly

Slotted tube reduces feed-back and room reverberation. Ideal for public address, recording and communication uses. Built-in three-position bass control adjusts response pattern. Response: 40 to 15,000 cps. Output level: -57 db. Dual impedance: 150 ohms and high impedance. Satin chrome finish. Size: 7 3/8" x 1 1/4" dia. Mounts on floor stand listed at left. Includes 15' cable. Shipping weight 5 lbs.

### Olson Cardioid DYNAMIC MICROPHONE MODEL 664



★ Chrome Finish

**\$51**

M-140 \$7 Monthly

Response from 40-15,000 cps. Can be used with high or low impedance inputs. Output: -55 db. Chrome finish. 17' cable. 7 3/8" long x 1 3/8" diameter. Mounts on floor stand listed at left. Shipping weight 5 lbs.

### Olson DYNAMIC MICROPHONE



★ May Be Hand Held

★ Exclusive Magnetic On-Off Switch

**\$36**

M-294

Ideal for public address or recording application. Response: 60-15,000 cps. Output: -55 db. Has four-stage blast filter to reduce "Pop" 16' cable. Size: 6 3/8" x 1 25/64". High impedance. Shipping weight 3 lbs.

### Olson DYNAMIC MICROPHONE



★ 6 FT. CABLE  
★ ON-OFF SWITCH

**\$9.98**

M-295

- Distributed Frontal Pickup
- Output -52 db
- Frequency Response: 40-13,000 cps
- 50K Ohm Impedance
- Satin Chrome and Black Finish

Shipping weight 3 lbs.

### Olson Cardioid DYNAMIC MICROPHONE



★ MADE IN ENGLAND

**\$14.98**

M-271

- Desk Stand Included
- 6 1/2 Ft. Shielded Cable
- Dual Impedance: 200 and 50K Ohms
- Excellent for PA and Recording
- Size: 1 3/4" D. x 5 1/2" L. Shpg. wt. 1 lb.

### Olson DYNAMIC MIKE



★ 20 Ft. Detachable Shielded Cable  
★ On-Off Switch

**\$12.98**

M-272 3 FOR \$36

A rugged wide-range dynamic mike that is perfectly suited for recording and PA applications. Picks up from all sides through wire mesh screen with built-in wind screen. Impedance: 50K ohms. Response: 60-12,000 cps. Complete with detachable shielded cable. Size: 1 3/4" dia. at ball x 8 3/4" long. Shipping weight 3 lbs.

### Olson DYNAMIC MIKE



★ Dual Impedance

★ Cardioid Pattern

**\$26.98**

M-270

High quality dynamic mike designed for PA and recording applications. Cardioid pattern rejects sounds from rear of mike. Dual impedance, 600 and 20K ohm. Has 32 ft. shielded cable. Fits any 5/8"-27 thread stand. Size: 1 3/4" dia. x 6 3/8" L. Response: 150 to 12,000 cps. Shipping weight 4 lbs.

### Olson Cardioid MIKE



★ High Impedance  
★ Filter Protection

**\$38**

M-243

A dynamic mike with filter that provides excellent protection from wind and "pop" (explosive breath sounds). Ideal for PA systems and tape recorders. High impedance. Response: 50 to 12,000 cps. Includes 15 ft. cable. Size: 6 3/8" long x 2 3/8" diameter (at ball). Shipping weight 5 lbs.

### Olson CRYSTAL HAND MICROPHONE



★ Cardioid Pattern  
★ Crystal Cartridge  
★ Shielded Cable

**\$5.99**

M-254

Unique handle folds to become a desk stand or opens to become a convenient handle. Has a wide range crystal cartridge for clear, high level output. Has 5' 4" shielded cable. Size: 5" x 2" x 7/8". Response: 40 to 7,000 cps. Shipping weight 1 lb.

### Olson Cardioid DYNAMIC MICROPHONE



★ High Impedance  
★ Desk Stand Incl.

**\$19.98**

M-264

Has a rugged hermetically sealed element with polyester diaphragm. Superb directional characteristics reject noise reaching mike from rear. Durable die-cast enclosure is finished in satin chrome with mesh grille. Includes desk stand and 20 ft. cable. Response: 100 to 14,000 cps. Impedance: 50 K ohms. Size: 7 3/8" L. x 1 3/8" diameter. Shpg. wt. 3 lbs.

### Olson GENERAL PURPOSE DYNAMIC MIKE



★ 50 K Ohms ★ Cardioid Pattern

**\$9.99**

M-201

With on-off switch. "Pop-proof" diaphragm. Size: 7 1/4" H. x 3" W. (at base) x 4 1/2" D. (at base). Frequency response: 60 to 12,000 cps. 6 1/2' cable. Output: -33 db. Shipping wt. 2 lbs.

### Olson GENERAL PURPOSE DYNAMIC MIKE



★ OFF/ON SWITCH

★ Impedance 50 K Ohms

**\$8.88**

M-229

Detachable stand adapter, size 7" x 1 1/4", response: 40 to 15,000 cps. Impedance: 50 K ohms. Shpg. wt. 3 lbs.

### Olson STEREO DYNAMIC MIKE



★ With Cable

★ Dual High Impedance

**\$14.99**

M-169

Resp.: 50-15,000 cps. 50 K ohms. Polar Pattern: 2 omni-directed patterns 90° apart. Switch selects mono or stereo mode. Size: 4" x 7 1/4". Shipping weight 6 3/4 lbs.

### Olson CRYSTAL MIKE



★ HIGH OUTPUT  
★ 5' CABLE

**\$5.87**

M-102

High impedance mike for recording, P.A., etc. Response 40 to 8,000 cps. Output: -50 db. Size: 2 1/4" x 6 3/4". Mounts on floor or desk stand listed below. Shipping weight 2 3/4 lbs.

### Olson CRYSTAL MIKE



★ HIGH IMPEDANCE  
★ Includes Mike Stand

**\$5.49**

M-145

Built-in on-off switch. Tape recording. P.A., etc. Response 50 to 8,500 cps. Output level: -57 db. With lavalier cord and 6 ft. shielded cable. Size 1 3/2" x 5". Shipping weight 1 3/4 lbs.

## Olson WIRELESS MIKES

FM RECEIVER PA SYSTEM TAPE RECORDER

### Olson Miniature WIRELESS MIKE



**\$24.98**

No. SR-26

- Ultra Compact
- Self-Contained Battery
- Tunable Frequency Range
- Works with any FM Receiver
- Only 2 1/4" x 1/2" x 1/2" Shpg. wt. 1/4 lb.

← SIZE COMPARISON

### Olson WIRELESS FM MIKE



**\$29.99**

RA-626

★ Tie-Clip Mike Included  
★ Transistorized

Just tune any blank spot on the standard FM dial (88 to 108 mc) and you're on the air. This transmitter is only 3 3/8" x 2 3/4" x 1 1/4". Includes leather carrying case. Transmitter is tuneable from 96 to 104 mc. Complete with operating instructions. Has built-in mike. Shipping weight 1 lb.

BA-89 Battery 21c

### Olson WIRELESS FM MIKE



**\$39.98**

RA-963

★ No Cable From Mike to P.A. System

Olson wireless mike broadcasts to any FM radio, 88 to 108 mc. Operates on one self contained 9 v. battery. Response: 100-10,000 cps. Size: 7 3/8" x 1 1/2" x 1". Shipping wt. 2 lbs.

Size Comparison Battery (1 req'd.), BA-89 21c ea.

### Olson Dynamic Lavalier Mike



**\$3.99**

M-244

Light weight dynamic mike is complete with lavalier cord or can be used as a hand mike. 7 ft. cable. Size: 2 3/8" x 1 3/8". Shipping wt. 1 1/2 lbs.

### Olson VACO CRYSTAL MICROPHONE



★ Hi-Impedance

**66c**

M-235

Perfect replacement for most portable tape recorders. Size 1 3/8" W. x 2 3/4" H. x 1" D. Includes: 5 ft. shielded cable. Response: 40 to 6,000 cps. Shipping weight 1/2 lb.

### Olson CONTACT MIKE

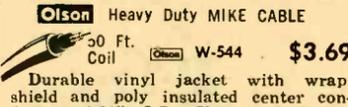


High impedance. Can be connected to guitar, pianos, etc. 1 1/2" x 3/4". Shipping wt. 1/4 lb.

**\$1.49**

M-130

### Olson Heavy Duty MIKE CABLE



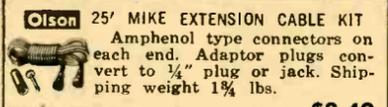
50 Ft. Coil

**\$3.69**

W-544

Durable vinyl jacket with wrap-shield and poly insulated center conductor. 0.21" O.D. Shpg. wt. 2 lbs.

### Olson 25' MIKE EXTENSION CABLE KIT



Amphenol type connectors on each end. Adaptor plugs convert to 1/4" plug or jack. Shipping weight 1 3/4 lbs.

**\$3.49**

W-457

### Olson DYNAMIC HAND MIKE



**\$1.99**

M-223

On-off Switch. Response: 60 to 10,000 cps. output: -57 db., size: 1 3/4" x 2 3/4". Shipping weight 2 lbs.

### Olson DYNAMIC MIKE



Five foot cable. Response: 200 to 10,000 cps. Impedance: 10,000 ohms. Sensitivity: -60 db. Size: 1 3/4" x 4 3/4" x 1". Shipping weight 1 lb.

**\$2.99**

M-184

### Olson Replacement Dynamic MIKE CARTRIDGE



Impedance: 40 ohms. Sensitivity: -90 db. Size 1 3/8" Dia. x 3/8" D. Shipping weight 1/4 lb.

**\$1.19**

M-211

### Olson "Take-Apart" STAND ADAPTER

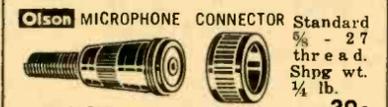


Adapter screws into base of mike and onto top of stand. Snap - apart easily. Shipping weight 1/2 lb.

**99c**

M-226

### Olson MICROPHONE CONNECTOR



Standard 5/8" - 27 thread. Shpg. wt. 1/4 lb.

**39c**

X-317, 3 for \$1

### Olson BOOM ADAPTER



★ Puts Mike Where You Want It.  
★ For Any Mike with 5/8" - 27 Thread  
★ Chrome Shaft

Converts any floor stand with 5/8"-27 thread to boom type. Has adjustable counter balance. 31" long. Shipping wt. 3 1/2 lbs.

**\$6.88**

M-290

### Olson CRYSTAL HAND MIKE

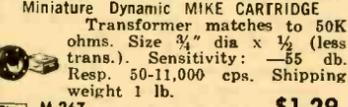


**99c**

M-182

High output. High impedance. Equipped with a three foot cable which is terminated in two miniature phone plugs. Response: 40 to 6,000 cps. Shipping weight 1 1/2 lbs.

### Olson Miniature Dynamic MIKE CARTRIDGE

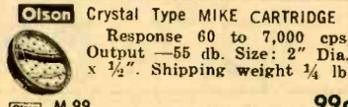


Transformer matches to 50K ohms. Size 3/4" dia x 1/2" (less trans.). Sensitivity: -55 db. Resp. 50-11,000 cps. Shipping weight 1 lb.

**\$1.29**

M-267

### Olson Crystal Type MIKE CARTRIDGE

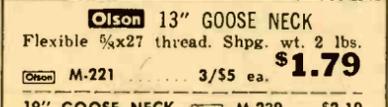


Response 60 to 7,000 cps. Output -55 db. Size: 2" Dia. x 1/2". Shipping weight 1/4 lb.

**99c**

M-99

### Olson 13" GOOSE NECK



Flexible 5/8"x27 thread. Shpg. wt. 2 lbs.

**\$1.79**

M-221 3/\$5 ea.

19" GOOSE NECK, M-239 \$2.19

### Olson FLOOR MIKE STAND



Chrome finish. 61 inches extended. 32 inches collapsed. 5/8" x 27 thread. Shipping wt. 9 lbs.

**\$8.88**

M-94 3 for \$25

★ Made in U.S.A.

### Olson DESK STAND



6" high, standard thread. Shpg. wt. 2 3/4 lbs.

**\$1.97**

3 for \$5 No. M-95

### Olson LAPEL MIKE



★ Lapel Clip On Back

**99c**

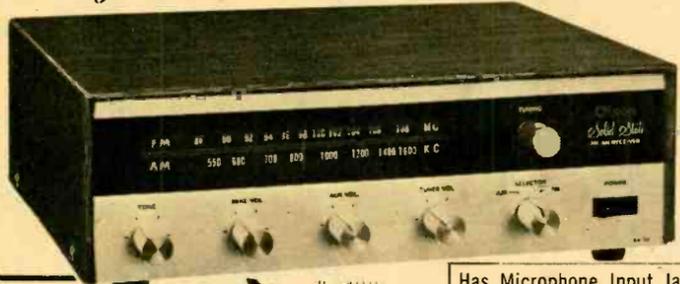
M-174

Three ft. shielded cable with miniature plug. High impedance crystal. 1 3/8" dia. Output: -50 db. Response: 50-5,000 cps. Shpg. wt. 1/4 lb.

21

# Olson 25 WATT AM-FM RECEIVER

Background Music



RA-30  
**\$84<sup>98</sup>**  
 \$9 MONTHLY

Has Microphone Input Jack

Use in: Professional Offices, Stores, Waiting Rooms, Homes, Etc.

Ideal for Background Music Systems

- ★ AC Convenience Outlet
- ★ Slide Rule Tuning
- ★ Built-In AM Antenna

Size: 11 1/4" x 4 1/4" x 11"  
 110-120 Volts AC, 60 cps  
 Shipping weight 10 lbs.

★ Inputs Provided for Phono or Tape  
 ★ Output for Single or Multiple Speakers  
 ★ Output Impedances: 4, 8, 16 and 500 (70.7 volt)

**OUTDOOR MUSIC SYSTEM**  
 1-25-W. AM/FM Receiver, Olson RA-30 \$84.98  
 4-8" Trump. Spkrs., Olson S-843, 4 for \$60.00  
 1-Cardioid Dynamic Mike, Olson M-264 \$19.98  
 Total Regular Cat. Price \$164.97  
 System Olson AS-229 \$148.00  
 \$9 Monthly  
 Spkr. Wire (not incl.) 100' Olson W-318 \$3.49

**INDOOR MUSIC SYSTEM**  
 1-25 W. AM/FM Receiver, Olson RA-30 \$84.98  
 4-Speakers in Walnut Cab., Olson S-601 4 for \$40.00  
 Total Reg. Cat. Price \$124.99  
 System Olson AS-228 \$112.00  
 \$11 Monthly  
 Spkr. Wire (not incl.) 100' Olson W-318 \$3.49

**Olson 5" TRUMPET**  
 ★ 8 Watt

★ Adjustable Mounting Bracket

Olson S-453  
**\$7<sup>95</sup>**  
 3 for \$20

Cut through back-ground noise. Ideal extension speaker for CB transceivers. 8 ohms. Response: 400-8,000 cps. Size: 5 1/2" dia. x 5". Shipping weight 3 1/4 lbs.

**Olson 8" Trumpet**  
 ★ Built-In Driver

Olson S-843  
**\$15<sup>98</sup>**  
 3 FOR \$45

All metal construction with adjustable mounting bracket. Completely weather-proof. Power capacity 15 watts. Impedance: 8 ohms. Response: 180 to 10,000 cps. Size: 8" dia. x 8 1/4" deep. Shipping weight 5 lbs.

Olson 12" Trumpet, No. S-844, 3 for \$70 ..... Ea. \$24.98

**Extension & Paging SPEAKER**  
 ★ High Sensitivity

Olson 12" Trumpet, No. S-844, 3 for \$70 ..... Ea. \$24.98

**\$5<sup>98</sup>**  
 S-789

Hams and CB'ers will find this speaker very useful in their mobile installations. Also ideal for paging systems in restaurants, office buildings, etc. Has adjustable bracket to mount at any angle. Weather-proof. Size: 2 3/4" x 3 3/4" x 2 3/4". Shipping weight 1 1/2 lbs.

**RCF WIDE ANGLE P. A. SPEAKER**

Olson S-890  
**\$19<sup>98</sup>**

Completely Weather-Proof  
 Molded of a specially formulated plastic. The driver unit is completely enclosed within the speaker. Response 150 to 6,500 cps. 20 watts, 8 ohms. Size: 12 3/4" W. x 6" H. x 13 1/4" D. Mounting bracket included. Sound distribution 120° x 60°. Shipping wt. 5 lbs.

**Jensen HORN SPEAKER**  
 ★ Built-In Line Transformer

Olson S-992  
**\$32<sup>70</sup>**

★ Power Capacity: 32 Watts  
 ★ Response: 250 to 14,000 cps.  
 ★ High Impact Weatherproof Construction  
 ★ 70.7 Volt Line/Taps: 32, 16, 8, 4, 2 and 1 Watt. Size: 11" x 8" x 11 1/2"  
 ★ Neutral Beige Color  
 Shipping weight 6 lbs.

# MOBILE P.A. AMPLIFIERS

★ Solid State

**Olson 20 WATT MOBILE P.A. AMPLIFIER**

★ Universal Polarity ★ Ultra Compact

Olson AM-271  
**\$49<sup>98</sup>**  
 2 FOR \$90

★ FOR 12 VOLT MOBILE OPER.

Mike, tape, phono inputs. Inputs have separate volume controls. Sturdy metal case is trimmed with extruded, polished aluminum. A noise filtering switch eliminates electrical disturbances on the 12 volt input line. Output impedance of 4, 8 or 16 ohms is selected by a switch in the side of the case. Size: 6 1/4" W. x 2" H. x 6 1/2" D. Complete with all mounting hardware, operating instructions and cables. Operates on 12 volts, pos. or neg. ground. Shpg. wt. 6 lbs.

**Olson 12 WATT MOBILE AMPLIFIER**

Olson AM-259  
**\$29<sup>95</sup>**  
 2 FOR \$45

Perfect for police, fire, and other emergency vehicles. Microphone input is equipped for high impedance mike with push-to-talk switch. Operates on 12 volts DC at 1.9 amps. (maximum). Size 3 3/4" W. x 1 1/2" H. x 6 1/2" L. Shipping weight 6 lbs.

**Olson Solid State 18 WATT P.A. AMPLIFIER**

Olson AM-306  
**\$55**  
 2 FOR \$100  
 \$7 MONTHLY

★ Hi & Lo Impedance Inputs  
 ★ Mike, Phono & Aux. Inputs

Top quality components are used throughout the Olson 18 watt PA Amp. Solid state circuit employs 5 transistors and 2 diodes for cool efficient operation. Has inputs for Hi and Lo impedance microphones on front panel and inputs for phono and aux. on rear panel. Mike and aux./phono circuits have separate volume controls. The tone control is combined with the on-off switch. Output impedance: 4, 8, 16, 500 and 1000 ohms. Size: 10" W. x 2 3/4" H. x 6 1/2" D. Operates on 110-120 volts AC, 60 cps. Shipping weight 18 lbs.

**Olson Solid State 35-Watt P.A. AMPLIFIER**

Olson AM-286  
**\$79<sup>98</sup>**  
 2 FOR \$150  
 \$8 MONTHLY

★ Instant Warm-Up  
 ★ Dual Mike Inputs  
 ★ Ultra-Cool Operation

Standard 1/4" mike jacks. The solid-state circuit employs 7 transistors, including 3 power type, plus 2 diodes for long trouble-free service. An AC outlet is provided on the rear panel for a record changer or tuner. The transformer operated power supply is protected by a fuse accessible from the rear panel. Negative feed-back circuit reduces distortion to a minimum. Specifications: Input impedance, mike Lo. 600 ohms, Hi 100 K ohms. Phono: Hi, Aux.: Hi. Output Impedance: 4, 8, 16, 165 and 330 ohms. Power Output: 35 watts. Controls: Mike 1 volume, mike 2 volume, master volume, tone, on-off switch. Size: 12" W x 4" H. x 8 1/2" D. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 18 lbs.

**Olson Solid State 75 Watt P.A. AMPLIFIER**

Olson AM-309  
**\$120**  
 \$11 MONTHLY

★ Instant Power—No Warm-Up  
 ★ 4-8-16 Ohm & Line Output  
 ★ Monitor Output

Meets power requirements of large installations such as, auditoriums, halls and stadiums, factories, fair grounds, airports, hotels, etc. Perfect for both voice and music. Handles up to 15 trumpet type speakers. Has inputs for both high and low impedance microphones plus auxiliary input for phono or tuner and a tape input. Each channel has a separate volume control, master gain turns all channels at once. Also includes tone control. Monitor jack provides signal output to feed a second amplifier. Has output for 4, 8 or 16 ohm speakers plus 70.7 and 100 volt line output. Power output 75 watts. Operates on 110 to 120 volts AC, 50/60 cps. Size: 12"x9 9/16" x 4 1/2". Shipping weight 23 lbs.

**Olson Transistorized MIKE MIXER**

Olson RA-920  
**\$9<sup>95</sup>**  
 2 For \$19

★ Stereo

For stereo or mono applications. Mixes 4 mono channels or two pair of stereo inputs. Individual volume controls. Operates on 9 volt battery. 1/4" inputs, phono jack outputs. Size: 6" x 2 1/4" x 3 1/2". Shipping weight 2 lbs. Battery, 1 req'd. Olson BA-89 21c

**Olson Transistorized MIKE MIXER**

Olson RA-345  
**\$4<sup>85</sup>**  
 2 for \$9.50

★ 4 Channels

Controls one to four signals from high impedance sources. Operates on single 9 volt battery (less battery). Size: 6" W. x 2 3/4" H. x 3 3/4" D. Shipping weight 1 1/4 lbs. Battery (1 req'd.), BA-89 21c ea.

**ELECTION HEAD**

3RD PRECINCT 4TH PRECINCT

JONES SMITH HENRY JACKSON

**READ-OUT COUNTER**  
 12 VOLTS DC

Olson X-981  
**99<sup>98</sup>**

LARGE EASY TO READ NUMBERS

Large numbers, 0 through 9 are painted on a drum which is rotated by a solenoid. Size: 4 3/4" x 1 1/2" x 1 1/2". Used. Operates on 12 volts DC. Shipping weight 2 lbs.

**Argos SOUND CADDY**  
 TWO 12" BAFFLES IN ONE CASE

Olson CA-350  
**\$26<sup>95</sup>**

Made of heavy plywood with steel corner angles. Double coated, tough, gray vinyl covering. Has matching saran plastic grille. Amplifier mounting board can slip out when case is opened but holds firmly in place when closed. Convenient carrying handle on each baffle. Size 17 3/4" W. x 22" H. x 13 1/4" D. Shipping weight 20 lbs.  
 12" PM Speaker, Olson S-311 ea. \$11.99  
 12" Guitar Speaker, Olson S-713 ea. \$24.98

**Argos Sound Column SPEAKER SYSTEM**

Olson S-671  
**\$44<sup>50</sup>**

The sound column consists of 6 wide range, heavy duty speakers mounted in a vertical cabinet. This baffle cabinet is covered with walnut grain vinyl. Sound columns are easy to install. Nothing shows, mounting is neat, firm, and snug against the wall. Response: 200 to 10,000 cps. Power capacity: 30 watts. Size: 30 1/4" H. x 7" W. x 3 1/4" D. Impedance: 16 ohms. Shipping weight 14 lbs.

**Olson Weatherproof PAGING SPEAKER**

Olson S-880  
**\$8<sup>95</sup>**  
 each 3 for \$24

Has adjustable mounting foot. High sensitivity and wide dispersion angle covers large area. Response: 300 to 12,000 cps. Power capacity 5 watts. Impedance 8 ohms. Size: 5 1/4" Dia. x 3". Shipping weight 4 lbs.

**Olson Audio MIXER**

Olson HF-105  
**\$2<sup>99</sup>**  
 3 FOR \$8.25

★ Individual Volume Controls  
 ★ 1/4" Phone Jacks.  
 Shpg. wt. 1/2 lb.

K. L. Kunath, Box 213, Spencer, Iowa 51301; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

**Olson COMPLETE P. A. SYSTEMS**

STOCK NUMBER	AM-306 18 W	AM-286 35W	AM-309 75W	M-201	M-94	S-601	T-110	S-844	INDIVIDUAL CAT. PRICE	MONTHLY PLAN	SYSTEM PRICE
Olson AS-174	■			■		■	■		100.76	\$10	91.00
Olson AS-175	■			■		■	■	■	130.82	\$11	118.00
Olson AS-176	■	■		■		■	■		148.84	\$9	134.00
Olson AS-177	■	■		■		■	■	■	192.18	\$12	173.00
Olson AS-178	■	■	■	■		■	■	■	234.86	\$13	213.00
Olson AS-179	■	■	■	■	■	■	■	■	321.52	\$15	290.00

**BOGEN 35 WATT P.A. AMPLIFIER**  
 Model CHB-35A

★ High Impedance

Olson AM-248  
**\$81<sup>00</sup>**  
 \$9 MONTHLY

★ Dual Mike Inputs  
 ★ Dual Tone Controls  
 ★ Power Output: 35 Watts

MODEL CHB 35A. POWER OUTPUT: 35 watts @ 5% distortion. FREQUENCY RESPONSE: 20-20,000 cps ±2 db. INPUTS: 2 microphones (high-impedance), 1—Magnetic Phono, 2—Aux. (high-impedance). SENSITIVITY: Mic.: 4 mv; Aux.: 2 volts; mag. phono: 12 mv. GAIN: Mic.: 125 db.; Aux. 100 db.; Mag. phono: 115 db. OUTPUT IMPEDANCE: 4, 8 and 16 ohms, 25 volt line (18 ohms), 70 volt line (143 ohm). CONTROLS: Mike No. 1 and No. 2 volume, fader for 2 aux. inputs, master volume, bass, treble, power switch, mag. phono switch. TUBES: 1 6EU7, 2—7868, 1—12AX7, 1—6CA4, plus silicon rectifier. POWER CONSUMPTION: 125 watts, 105-125 V. AC. 50-60 cps. DIMENSIONS: 6 3/4" H. x 15 3/4" W. x 10" D. Shipping weight 22 lbs.

**20 WATT P.A. AMPLIFIER**  
 BOGEN MODEL CHB-20A

Olson AM-247  
**\$66<sup>75</sup>**  
 No Money Down \$7 Monthly

**100 WATT P.A. AMPLIFIER**  
 BOGEN MODEL CHB-100

Olson AM-249  
**\$129<sup>00</sup>**  
 No Money Down \$11 Monthly



# FREE!

WITH THE PURCHASE OF  
AA-225 CONVERTER OR  
AA-155 ANTENNA KIT

## UHF CORNER REFLECTOR ANTENNA

- ★ For Channels 13-83
- ★ All Aluminum
- ★ High Gain, Shpg. wt. 3 1/2 lbs.

SEPARATELY  
Olson AA-98 **\$4.56**

## JERROLD General Instrument UHF CONVERTER

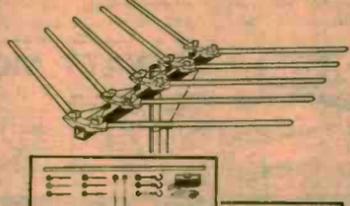


- ★ For Channels 14-83
- ★ Equips Any Set To Receive UHF
- ★ Easy Hook-Up To Any TV Set
- Shipping wt. 5 lbs.

Converter &  
UHF Antenna  
**\$19.95**  
No. AS-225

CONVERTER Separately, AA-225 \$19.95

## Olson TV-FM KIT ANTENNA



- ★ FM/FM Stereo
- ★ For Black & White or Color
- ★ Snap-Out Elements
- ★ 50 Ft. Lead-In

TV-FM Kit &  
UHF Antenna  
**\$14.98**  
No. AS-226

TV-FM Ant. Kit Separately, AA-155, \$14.98

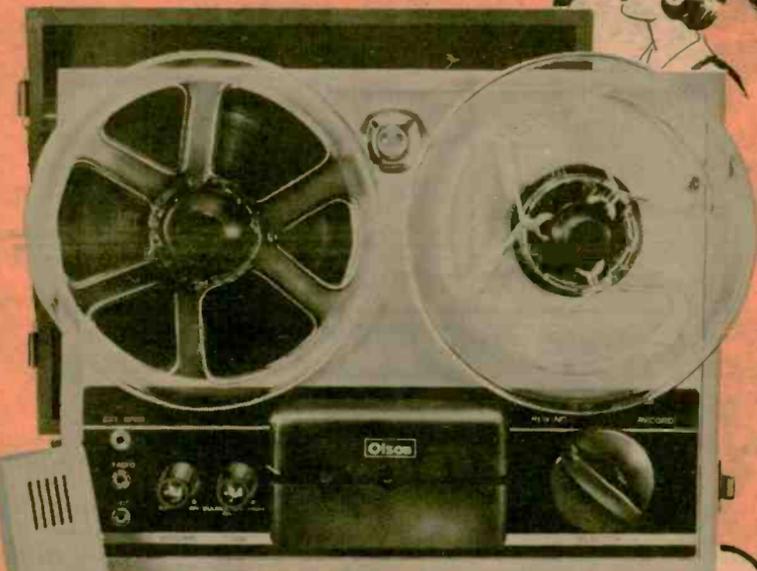
W. R. Flow, 1365 Shanabrook St., Akron, Ohio 44313; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

# Olson

## TWO-SPEED DUAL TRACK TAPE RECORDER



Shop at Olson for the  
perfect Graduation Gift!



- ★ Mike and Patch Cable Included
- ★ Magic Eye Record Indicator

Uses 3", 5", 7" Reels  
With "Add-A-Track"

2 Speeds: 3 3/4-7 1/2 IPS

Tone and Volume Controls

External Speaker Jack

Size: 13 1/4" x 10" x 7". 110-120 volts AC, 60 cps.  
Shipping weight 22 lbs.

Mr. H. Richards, 8120 Westlawn St., Los Angeles, Calif. 90045; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

# \$59.98

Olson  
AM-232

**\$7 Monthly**  
(2 for \$114)

**WE PURCHASED U.S.  
EQUIPMENT MFR'S  
ENTIRE STOCK!**

MADE IN  
ENGLAND



- 4-Pole Motor
- Plays 7-10 and 12" Records

## 4 Speed Stereo Changer

- Ceramic Cartridge Included
- Turn-Over Sapphire Stylus
- 4 Speeds: 16-33-45 and 78 RPM
- Satin Gray Finish
- AMP-Lock AC Connector
- RCA Type Audio Jacks
- Cushioned Mounting Springs

Size: 13 1/4" W. x 11 1/4" D. x 3 1/2" H. (above mtg. board). 110-120 volts AC, 60 cps.  
Shipping weight 10 lbs.

# \$29.98

Olson  
RP-369



## 4 SPEED Automatic CHANGER

- ★ Plays 7-10 and 12" Records
- ★ Made in U.S.A.

# \$17.99

Olson  
RP-368

ULTRA COMPACT SIZE

- Astatic Cartridge
- Flip-Over Sapphire Stylus
- Amp-Lock AC Connector
- Automatic Size Indexing
- Tubular Tone Arm

Size 13 3/4" W. x 7 3/4" D. x 3 3/4" H. (above mtg. board), 110-120 volts AC, 60 cps. Shpg. wt. 8 lbs.

Mr. S. Roberts, 15W. 631 Patricia Lane, Elmhurst, Ill. 60126; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

## H.H. SCOTT Solid State HHS-20 FM Stereo Receiver



- Oiled Walnut Cabinet
- 40 Watts IHF
- Tuning Meter
- Microphone Input Jacks
- Garrard 40MKII Changer
- 2 Olson X-Air Speakers
- Pickering V15/AC-3 Cart.



Olson RA-78,  
RECEIVER ONLY

**\$219.50**

\$13 Monthly

COMPLETE SYSTEM, Olson AS-223, \$15 Monthly ..... \$270.00

# FREE!

## Genuine Cultured PEARL

... WITH EACH  
\$10 WORTH OF  
MERCHANDISE  
PURCHASED  
FROM  
Olson  
ELECTRONICS

- \$10 ORDER — 1 PEARL
- \$20 ORDER — 2 PEARLS
- \$30 ORDER — 3 PEARLS
- \$50 ORDER — 5 PEARLS
- \$100 ORDER — 10 PEARLS

**NO LIMIT**

Offer Does Not Apply To Fair Trade Items



## 120 WATT STEREO RECEIVER

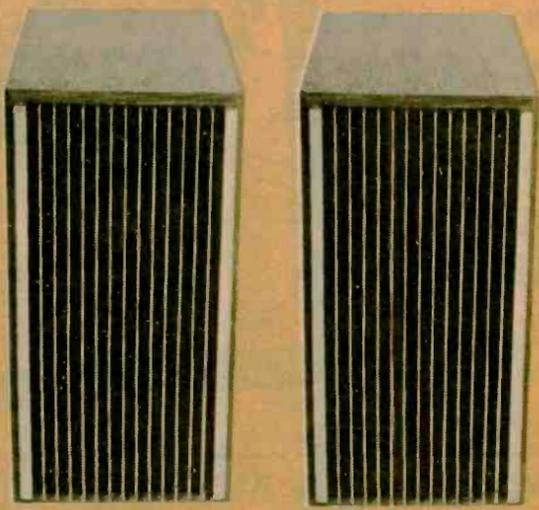
- Solid State Circuit
- AM-FM-FM/MPX
- Stereo Tuning Indicator
- Tuning Meter
- Walnut Finish Wood Cabinet
- Stereo Headphone Jack
- Sensitivity: 3 UV.
- Power Output: 60 W. Per Channel
- MPX. Separation: 35 db

Size: 4 1/4" W. x 8 1/2" H. x 8 1/4" D.  
110-120 V. AC, 50/60 cps. Shpg. wt. 13 lbs.

RA-76 **\$259<sup>95</sup>**  
\$15 Monthly



**STANDARD**



## TWO-WAY SPEAKER SYSTEM

- Model SR1021K
- 4" Woofer
- 3" Tweeter
- L-C Crossover
- Beautiful Walnut Finish Wood Cabinets
- Beautiful Metal Fretwork Grille
- Response: 50-20,000 CPS.
- Impedance: 8 Ohms

Size 4 1/4" W. x 8 1/2" H. x 8 1/4" D.  
Shipping weight 9 lbs.

S-980 **\$59<sup>95</sup>**  
\$7 Monthly Ea.

# SYLVANIA

## 5 PACK TUBE KIT



**\$349**

6 Kits @ \$3.29 ea.  
Olson AS-222

One each: 35W4, 50C5, 12BA6, 12AV6, 12BE6. Most common types for AC-DC home radios. Shpg. wt. 3/4 lb.

### ADDITIONAL SYLVANIA TUBE VALUES

Compare and Save at Olson Electronics

TYPE	Olson ORDER NUMBER	PRICE EACH
5U4GB	Z-340	\$ .90
6AL5	Z-341	.60
6S4	Z-342	.85
6SN7GT	Z-343	1.00
12AX4	Z-344	1.00
12BA6	Z-345	.72
35W4	Z-346	.48
50C5	Z-347	.79

Shipping weight 1/4 lb. each.

## SOPHISTICATED STEAM POWERED ENGINES . . . THAT REALLY WORK!

★ Executive Conversation Piece  
★ Mantel Piece



### Wileco STEAM ENGINE

★ Safety Valve  
Working model of a small steam power plant. Operates model tools. Has manually operated steam whistle. Single cylinder operates a cast metal flywheel and output drive pulley. Size 8" W. x 5 1/2" D. x 8 1/2" H. Shipping weight 2 lbs.  
EXTRA FUEL TABLETS, No. X-70 . . . . . 2 Packets \$1  
Mr. K. Raymond, 730 N.W. 77 Way, Rembroke Pines, Florida 33024; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.



## Olson AM FM Multiplex Tuner

- Solid State*
- ★ SILICON TRANSISTORS
  - ★ Between-Station Muting Circuit
  - ★ Sensitivity: 1.6 uv. for 30 db Quieting
  - ★ Sensitivity Selector Switch
  - ★ Automatic Multiplex Switching
- Specifications: 24 transistors, 16 diodes, 1 zener diode. Sensitivity: 1.6 uv. for 30 db. Mpx separation: better than 28 db. Distortion factor: 0.7%. Operates on 110-120 volts AC, 60 Hz. Size: 16 1/4" W. x 12 3/4" D. x 5 3/4" H. Shipping weight 23 lbs.

BOTH FOR **\$400** \$19 MONTHLY

Olson RA-40	<b>\$220</b>
\$13 Monthly	
Olson AM-355	<b>\$230</b>
\$13 Monthly	



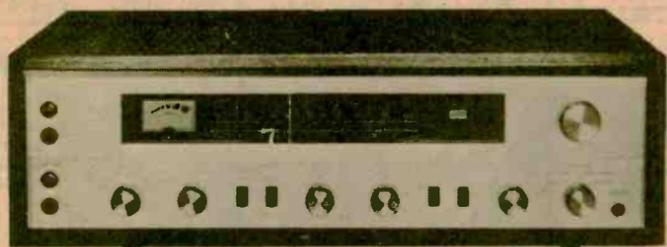
## 136 WATT STEREO AMPLIFIER

- Solid State*
- ★ Output Protective Circuit
  - ★ Power Supply Transistor Filtered and Regulated
  - ★ SILICON TRANSISTORS
  - ★ Selected Low-Noise Transistors in Pre-Amp
  - ★ Tape Monitor and Record Jacks
- Specifications: Transistors: 20. Diodes: 4. Thermistors: 4. Output power: 136 W IHF (68w. per channel). Response: 20 to 60,000 Hz. Inputs: tape, phono, tuner, aux. Tone control: Bass ± 11 db. @ 100 Hz. Treble ± 10 db @ 10K Hz. Size 16 1/4" W. x 12 3/4" x 5 3/4" H. Operates on 110-120 volts AC, 60 cps. Shipping weight 24 lbs.

Olson

## Olson 110 Watt Solid State Stereo RECEIVER

- AM-FM-FM Multiplex
- Tape Recorder Jacks on Front Panel
- Silicon Output Transistors
- Professional Tuning Meter
- Stereo Headphone Jack
- Sensitivity 2 UV for 20 db Quieting
- Response: 20-20,000 Hz
- Separation: 35 db at 1000 Hz
- 32 Transistors/20 Diodes
- Walnut Finish Wood Cabinet
- Stereo Indicator
- Main/Remote Speaker Terminals



Size 17 1/4" W. x 5 1/4" H. x 12" D. 110-120 Volts AC, 50/60 CPS. Shipping weight 22 lbs.

Olson RA-71 **\$219**  
\$13 Monthly

## Wileco STEAM ENGINE

- ★ Steam Whistle
- ★ Water Level Window
- ★ Fun For Young and Old



**\$30**

Similar to steam engine above but has larger boiler and water level window. Operates tools of your design. Has manually operated steam whistle. Size: 10" W. x 7" D. x 9" H. Shpg. wt. 3 lbs.  
EXTRA FUEL TABLETS, No. X-70 . . . . . 2 Packets \$1

## Wileco STEAM ENGINE

- ★ Pressure Gauge
- ★ Adjustable Safety Valve



**\$50**

Fill the boiler with water, fire it . . . when the steam pressure is up, just open the valve to the cylinders, give the flywheel a turn and the engine's running. Two step safety valve has whistle attached, when steam pressure reaches a pre set point, the steam valve opens and the whistle blows. Manometer indicates steam pressure in boiler. Water level may be observed at any time through window in end of boiler. Size 13 3/4" W. x 12" D. x 12 1/4" H. Shipping weight 8 lbs.  
EXTRA FUEL TABLETS, No. X-70 . . . . . 2 Packets \$1  
★ ACCESSORIES FOR ALL MODELS ★  
Pulley Wire, No. X-69 . . . . . 4 for \$1  
Extra Fuel Tablets, No. X-70 . . . . . 2 Packets \$1



**\$29<sup>98</sup>**

- ★ 8 MULTI-COLORED LIGHTS
- ★ Light Intensity Changes In Concert With Sound From Auto Radio
- ★ 5 Transistor Circuit
- ★ Sensitivity Control With On/Off Switch
- ★ Operates On 12 Volts DC
- ★ Connect To Auto Radio Speaker

Size: 12" W. x 1 1/4" H. x 2 3/4" D. Shpg. wt. 2 lbs.

# Garrard CHANGER MODULE

- ★ Complete With High Compliance Magnetic Cartridge
- ★ Completely Wired and Mounted on Base



★ Model SLx

**\$69<sup>50</sup>**

**Olson RP-367**  
\$7 MONTHLY

Molded Plastic Dust Cover, **Olson** CA-343 \$4.95  
45 RPM Adapter Spindle, **Olson** RP-335 \$3.80

- Synchro-Lab Motor
  - Dynamically Balanced Tone Arm
  - Cueing and Pause Control
  - Adjustable Stylus Pressure Gauge
  - Oversized Turntable
  - Plays 7" 10" and 12" Records
  - 3 Speeds, 33, 45 and 78 RPM
- Size: 15" W. x 13 1/4" D. x 7 3/4" H. 110-120 V. AC. 60 Hz. Shipping weight 14 lbs.

## Princess 4-Speed Automatic STEREO CHANGER

**Olson RP-322**

# \$36

MADE IN ENGLAND

With a magnetic cartridge and diamond stylus on a base. Four-pole motor. Speeds: 16, 33 1/2, 45 and 78 rpm. 110 to 120 volts AC, 60 cps. Size: (including base) 14 1/2" W. x 12 1/2" D. x 7 1/2" H. Shipping weight 15 lbs.

45 RPM Adapter Spindle, **HF-72** \$2.98

# Garrard SYNCHRONOUS AUTOMATIC TURNTABLES

Make All Previous Automatic Record Playing Units Obsolete



**TRADE-IN YOUR NON-SYNCHRONOUS MODEL NOW**

FROM **\$39<sup>50</sup>**

**Automatic Transcription Turntables**  
The Finest Made by Garrard!



- New full 12" aluminum turntable**, imparts correct kinetic energy for perfect matching to Synchro Lab Motor.
- Decorative mat with safety grooves** at 12", 10", and 7" positions for protection against accidental damage to stylus.
- New Auto-Rise Safety Record Platform** for automatic play. Springs into position when button is pressed. Retracts into unit floor, out of the way, when not required.
- New adjustable counterweight** moves smoothly on knurled knob. Weight suspended in resonance-absorbing material.
- Built-in stylus force adjustment and pressure gauge**. Precision knurled "optical instrument" type dial for easy, smooth highly accurate setting.
- Anti-skating control** with patented sliding weight design. Does not use springs. Compensator is calibrated in 1/2 gram markings. Counterweight has window to facilitate accurate setting. With this control, the natural side pressure on the stylus which frequently causes distortion and rapid record wear, is eliminated.
- New low mass tonearm** of twin braced extruded aluminum for extra rigidity, resonance freedom, tracks to 1/2 gram.
- Two interchangeable spindles**. Single play short spindle tipped with durable, frictionfree Delrin® rotates with record for center hole protection. New patented automatic spindle handles six records.
- New interchangeable cartridge clip** eliminates need for plug-in shell. Takes any cartridge including high compliance professional types.
- New versatile automatic control lever**. One lever controls 6 records in sequence (with long automatic spindle); a single record automatically (with short spindle). Replays a single record; rejects a single record and shuts off; rejects record with stack in place; drops next one in sequence.
- New combined manual-cueing-pause control**. Single lever starts turntable, activates cueing, lifts arm, lowers arm gently to record... pneumatically damped. This cueing feature eliminates all danger of accidental damage to records or stylus through manual handling. Cueing can be used whether records are played manually or automatically.
- New combined speed and record size selector**. One lever sets for 12" (78 RPM), 7" (45 RPM), 12", 10", 7" (33 1/2 RPM).

**A Garrard SL55 with Synchro-Lab™ synchronous motor, Olson RP-357 \$59.50**

- ★ Counterbalanced Tone Arm
- ★ Built-in Stylus Adjustment
- ★ Cueing and Pause Control
- ★ Automatic Intermix
- ★ 4 Speeds

Size: 14 1/4" W. x 12 1/4" D. x 4 1/4" (above board) 110 to 120 volts, 60 cps. Shipping weight 10 1/2 lbs.  
Walnut Mounting Base, CA-346 \$4.95  
Molded Plastic Dust Cover, CA-343 \$4.95  
45 RPM Adapter Spindle, RP-335 \$3.80  
"Power-Matic" base, turns off amplifier when last record has played. **Olson** CA-366 \$14.95

**B Garrard SL65 with Synchro-Lab™ synchronous motor, Olson RP358 \$79.50**

- ★ Dynamically Balanced Arm
- ★ Anti-skating Control
- ★ Stylus Adjustment Gauge
- ★ Cueing and Pause Control
- ★ 4 Speeds

Size: 15 3/4" W. x 13 3/4" D. x 4 3/4" H. (above board). 110-120 volts AC, 60 cps. Shpg. wt. 12 lbs.  
Walnut Mounting Base, CA-346 \$4.95  
Molded Plastic Dust Cover, CA-343 \$4.95  
45 RPM Adapter Spindle, RP-335 \$3.80  
"Power-Matic" base, turns off amplifier when last record has played. **Olson** CA-366 \$14.95

**C Garrard SL95 with Synchro-Lab™ synchronous motor, Olson RP-360 \$129.50**

- ★ Ultra-low Mass Tone Arm
- ★ Gimballed Needle Pivots
- ★ Cueing-Pause Control
- ★ 12" Balanced Turntable
- ★ Record Safety Platform

Size: 15 3/4" W. x 15 1/4" D. x 4 3/4" H. (above board) 110 to 120 volts, AC, 60 cps. Shipping weight 13 lbs.  
Walnut Mtg. Base with Spindle Tray, CA-365 \$5.95  
Molded Plastic "Playing" Dust Cover, CA-342 \$5.95  
45 RPM Adapter Spindle, Fits in Tray, RP-356 \$3.80  
"Power-Matic" base, turns off amplifier when last record has played. **Olson** CA-370 \$15.95

**D Garrard SL75 with Synchro-Lab™ synchronous motor, Olson RP-359 \$109.50**

- ★ Record Safety Platform
- ★ Optical Stylus Adjustment
- ★ Anti-skating Control
- ★ Extruded Aluminum Arm
- ★ 12" Turntable

Size: 16 1/4" W. x 14 1/4" D. x 4 3/4" (above board). 110-120 volts AC, 60 cps. Shipping weight 13 lbs.  
Walnut Mtg. Base with Spindle Tray, CA-365 \$5.95  
Molded Plastic "Playing" Dust Cover, CA-342 \$5.95  
45 RPM Adapter Spindle, Fits in Tray, RP-356 \$3.80  
"Power-Matic" base, turns off amplifier when last record has played. **Olson** CA-370 \$15.95

**\$25 BONUS! Garrard SL95 plus Empire 999VE Cartridge. Olson AS-207 \$154.50**



**Revolutionary New Garrard Motor Guarantees Absolutely Constant Record Speed!**

New Garrard SYNCHRO-LAB™ Motor cannot vary in speed. Synchronous action locks in to 60-cycle current frequency for perfectly constant speed... while induction feature provides high torque, quick acceleration. Remarkably free of rumble, too. Now, step up to synchronous speed and enjoy a quality of performance never achieved before in automatic turntables.



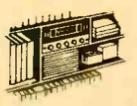
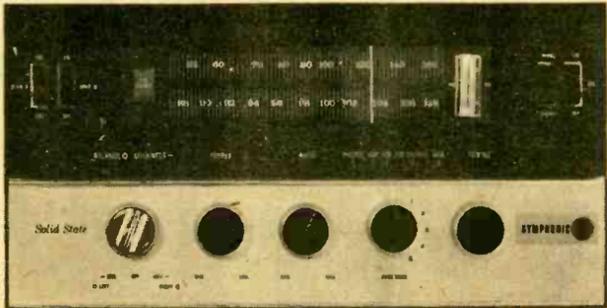
**OTHER FINE Garrard MODELS**

**MODEL 40 Mk II, Olson RP-328 \$44.50**  
Cast aluminum counterbalanced tonearm has simple, accessible stylus pressure adjustment. Super sensitive trip mechanics is made with Dupont Delrin®. Has 4-pole shaded "induction surge" motor. Size: 14 1/4" W. x 12 1/4" D. x 4 1/4" above mtg. board x 2 1/4" below. Operates on 110-120 volts AC, 60 cps. Shipping weight 10 1/2 lbs.  
Walnut Mounting Base, CA-346 \$4.95  
Molded Plastic Dust Cover, CA-343 \$4.95  
45 RPM Adapter Spindle, RP-335 \$3.80  
"Power-Matic" base, turns off amplifier when last record has played. **Olson** CA-366 \$14.95

**MODEL 30, Olson RP-361 \$39.50**  
Comes complete with its own ceramic diamond stylus cartridge! 1-piece cast aluminum tonearm, easy-to-use stylus pressure adjustment, 4-speed intermix, Garrard-built motor, 2 spindles, super-sensitive trip with Dupont Delrin®. Size: 14 1/4" W. x 12 1/4" D. x 4 1/4" above mtg. board, 2 1/4" below. 110-120 volts 60 cps. Shipping weight 10 lbs.  
Walnut Mounting Base, CA-346 \$4.95  
Molded Plastic Dust Cover, CA-343 \$4.95  
45 RPM Adapter Spindle, Model RP-335 \$3.80  
"Power-Matic" base, turns off amplifier when last record has played. **Olson** CA-366 \$14.95

SAVE UP TO <b>\$39<sup>94</sup></b>		From Individual Catalog Prices When You Purchase An Elliptical Cartridge With Your Garrard Changer	
<b>MODEL 40 MKII</b> Your choice of stereo cartridge below. Only 1c Extra with purchase of type 40 MK II changer at left. <b>EMPIRE 888</b> <b>PICKERING V15/AC3</b> <b>SHURE M44.7</b> <b>Garrard 40 MKII Plus Cartridge \$44<sup>51</sup></b> <b>Olson AS-197</b>	<b>MODEL SL-55 MODEL SL-65</b> Your choice of stereo cartridge below. Only 1c Extra with purchase of SL-55 or SL-65 changer above. <b>Empire 808E</b> <b>Pickering V15/ACE-3</b> <b>SL55 Plus Cartridge \$59<sup>51</sup></b> <b>Olson AS-199</b>	<b>MODEL SL-75 MODEL SL-95</b> Your choice of stereo cartridge below. Only 1c Extra with purchase of SL-75 or SL-95 changer above. <b>Empire 888E</b> <b>Pickering V15/ATE-3</b> <b>SL75 Plus Cartridge \$109<sup>51</sup></b> <b>Olson AS-203</b>	<b>MODEL SL-75 MODEL SL-95</b> Your choice of stereo cartridge below. Only 1c Extra with purchase of SL-75 or SL-95 changer above. <b>Empire 888TE</b> <b>Pickering XV15/AME</b> <b>SL95 Plus Cartridge \$129<sup>51</sup></b> <b>Olson AS-204</b>
Your choice of stereo cartridge below. Only \$5 Extra with purchase of Type 40 MK II changer at left. <b>Empire 808E</b> <b>Pickering V15/ACE-3</b> <b>Garrard 40 MKII Plus Cartridge \$49<sup>50</sup></b> <b>Olson AS-198</b>	Your choice of stereo cartridge below. Only \$5 Extra with purchase of SL-55 or SL-65 changer above. <b>Empire 888E</b> <b>Pickering V15/ATE-3</b> <b>Shure M44E</b> <b>SL55 Plus Cartridge \$64<sup>50</sup></b> <b>Olson AS-201</b>	Your choice of stereo cartridge below. Only \$5 Extra with purchase of SL-75 or SL-95 changer above. <b>Empire 888E</b> <b>Pickering V15/ATE-3</b> <b>Shure M44E</b> <b>SL75 Plus Cartridge \$114<sup>50</sup></b> <b>Olson AS-205</b>	Your choice of stereo cartridge below. Only \$5 Extra with purchase of SL-75 or SL-95 changer above. <b>Empire 888TE</b> <b>Pickering XV15/AME</b> <b>SL95 Plus Cartridge \$134<sup>50</sup></b> <b>Olson AS-206</b>

# SYMPHONIC FM-AM-MPX STEREO RECEIVER



Build into Bookshelf or Wall



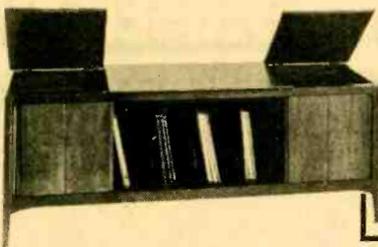
Build into Console

- ★ Solid State Circuitry
- ★ 40 Watts Output
- ★ For Custom Installation
- ★ Tuning Meter
- ★ Stereo Indicator

Complete receiver features solid state circuitry and illuminated slide rule dial. Has switch to select main or remote speakers. Controls include volume, balance, treble, bass, function selector and tuning. Has switchable AFC circuit to lock in FM Stations. Inputs are provided for crystal or ceramic phono cartridge and aux. Also has output jack for tape recording. A ferrite bar antenna is provided for AM. Size: 14" W. x 6 1/2" H. x 7 1/2" D. Operates on 110-120 volts AC. 50/60 cps. Shipping weight 13 lbs.

Olson RA-15  
**\$129<sup>99</sup>**

## STEREO EQUIPMENT CABINET



- ★ Walnut Finish
- ★ Build Your Own Stereo System
- ★ Separate compartments for Changer, Receiver, Speakers and Records
- ★ Sliding Doors

Olson CA-364  
**\$129<sup>99</sup>**  
\$11 Monthly

Accommodates a complete system including both speakers. Also has a large record storage compartment which is concealed behind sliding doors when not in use. Features quality construction throughout with beautiful oiled walnut finish. Overall size: 70" long x 26" high x 18" deep. Changer compartment is 17 1/2" W. x 14 1/2" D. x 4 1/2". Receiver compartment is 17" W. x 14" D. x 4 1/2". Speaker sections are cut for 1-10" speaker and 1-3 1/2" tweeter. Shpg. wt. 122 lbs.

## POLY-PLANAR WAFER-TYPE SPEAKERS



Olson S-988  
**\$5<sup>95</sup>**  
Model P-5

- ★ Wafer-Thin Construction
- ★ Completely Waterproof
- ★ Replaces Conventional Cone Speakers

Response: 60 to 20,000 CPS  
Power Capacity: 5 Watts  
Impedance: 8 Ohms  
Size: 1 1/4" x 4 1/2" x 8 1/2"  
Shipping weight 1 lb.



Olson S-989  
**\$10<sup>95</sup>**  
Model P-20

- ★ Meets Extremes of Shock and Vibration
- ★ Easily Incorporated into Present Equipment
- ★ May Be Baffled or Unbaffled

Response: 40 to 20,000 CPS  
Power Capacity: 20 Watts  
Impedance: 8 Ohms  
Size: 1 1/4" x 11 3/4" x 14 1/4"  
Shipping weight 2 lbs.

# Sonora PORTABLE STEREO PHONO

★ SOLID STATE

Olson RP-355  
**\$39<sup>98</sup>**

- 4 Speeds, 16-33-45 and 78 RPM
- Turnover Ceramic Cartridge
- Dual Sapphire Stylus
- All Transistor Amplifier
- Balanced Speaker Systems
- Convenient Drop Front Design
- Walnut Grain Vinyl Finish

Size: 25" W. x 13 1/2" H. x 7 1/4" D. Operates on 110/120 volts AC. 60 cps. Shipping weight 22 lbs.

## Extension Speaker/Timer

S-882  
**\$8<sup>98</sup>**

- ★ Turns TV, Phono, Radio Off & On
- ★ Earphone Jack
- ★ Built-in One Hour Timer
- ★ Switch for Main or Remote Speaker
- ★ Remote Speaker Volume Control
- ★ 20-Ft. Cable & Speaker Wires
- ★ Size: 3 3/4" x 5" x 1 3/4"
- ★ Shipping weight 3 1/2 lbs.

**SHOP BY MAIL**

**SAVE TIME MONEY MILEAGE GASOLINE**

OLSON SHIPS SAME DAY!

# Sonora DELUXE STEREO PHONO

- ★ Solid State Amplifier
- ★ Diamond LP Needle
- ★ U.L. Listed



Garrard 4-Speed Changer  
Olson RP-339  
**\$79<sup>98</sup>**  
\$8 MONTHLY

- 3 Controls—Loudness, Balance, Tone
- Size: 25 1/2" W. x 15" H. x 9 1/2" D.
- Operates on 110 volts AC, 60 cps.
- 45 RPM Adaptor Included
- Dual 6" Speakers
- Detachable Speaker Wings
- Shipping weight 30 lbs.

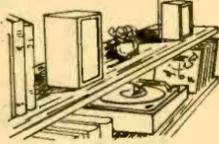
# Olson

## Solid State MODULAR STEREO PHONO



- Completely Assembled
- Garrard 4-Speed Changer
- All Transistor Amplifier
- Separate Bass and Treble Controls
- Response: 40 to 20,000 CPS
- Beautiful Walnut Finish
- Matches Any 8 Ohm Speakers

Size: 15" x 13" x 9", 110-120 volts AC, 60 cps. Shipping weight 19 lbs.



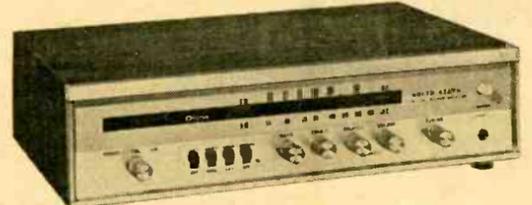
Olson RP-365  
\$7 Monthly (less speakers)  
**\$69.98**

SPEAKERS FOR ABOVE (SEE PAGE 13)

Olson S-931 2 for **\$29**

# Olson

## 100 WATT AM-FM — FM STEREO RECEIVER



- Stereo Indicator Light
- Tuning Meter
- Slide Rule Tuning
- Inputs—Magnetic, Crystal, and Aux
- Tape output Jack
- Low Silhouette Design
- Function Indicator Lights
- 1.9 uv. Sensitivity
- Stereo Headphone Jack

Size: 15 1/4" W. x 4" H. x 11" D. Shpg. wt. 19 lbs.

Olson RA-69 \$12 Monthly **\$189.98**

# Olson "THIN-LINE" SPEAKER SYSTEM

THIN-LINE DESIGN



**\$4<sup>99</sup>**  
Olson S-978

- ★ Walnut Finish Wood Cabinet
- ★ Matching Cain Grille
- ★ Push-Button Terminals
- ★ Only 2 1/2" Thick
- ★ 5 1/2" Full-Range Speaker
- ★ Response: 50 to 13,000 CPS
- ★ Power Capacity to 5 Watts
- ★ Impedance: 4 Ohms
- ★ Shipping weight 3 lbs.

## Olson Control Remote SPEAKER

S-549  
**\$5<sup>49</sup>**  
3 FOR \$15

- ★ For Radio, Phono, Tape Recorder
- ★ Main & Remote Volume Controls
- ★ Neutral Color Plastic Case
- ★ Place on Table—Hang on Wall
- ★ 8 ohms
- ★ Size: 4 1/2" x 4 1/2" x 2 1/2"
- ★ Shipping weight 3 lbs.

## Sonora TILT-DOWN PHONO

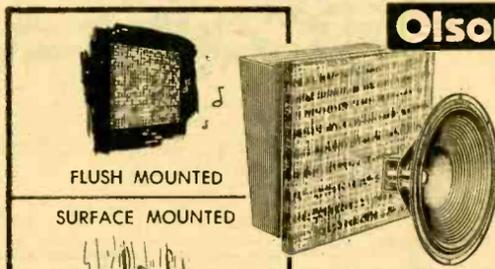


Garrard 4-Speed Changer  
Solid State Amplifier  
10 Watts—5W. Per Channel  
Dual Sapphire Needles  
Detachable Speakers  
Bass/Treble Control  
Size: 23" W. x 15" H. x 9" D. Operates on 110 to 120 volts AC, 60 cps. Shipping weight 30 lbs.  
45 RPM Adapter, Olson RP-335 \$3.80

## VENTILATION MOTOR

Motor is ruggedly constructed of laminated steel and features permanently lubricated type bearings. Universal mounting bracket, 3" blade. Shipping weight 2 lbs. 110-125 v. AC.  
**\$2<sup>69</sup>**  
Olson MO-83

# Olson 8" SPEAKER SYSTEM



- ★ Resp.: 50-10,000 cps
- ★ Imp.: 8 ohms

**\$6<sup>98</sup>** 3 FOR \$20  
12 @ \$6.50 ea.  
Olson CA-136

A wide range 8" speaker mounted in an attractive wall baffle. Baffle is completely finished and may be surface or flush-mounted. Grille is slightly larger than frame of baffle, permitting baffle to be slipped into an opening in the wall for custom flush mounting. Power capacity 5 watts. Size: 10" x 10" x 3 1/4". Shipping wt. 3 lbs.

## Olson 8 Ohm Monaural LEVEL CONTROL



Olson HF-44  
**\$1<sup>59</sup>**  
3 for \$4.25

For use with any speaker to provide separate and independent control of speaker volume, 30 watts. Shipping weight 1/4 lb.

STEREO LEVEL CONTROL. Dual 8 ohm controls mounted on one panel, individual knobs.  
**\$2.69**  
No. HF-46

## Olson Stereo Speaker VOLUME CONTROL



Olson HF-108  
**\$4<sup>29</sup>**  
3 for \$11.50

Has standard 3-circuit, 1/4" jack for stereo headphones or a stereo-pair of speakers. Volume of each speaker can be adjusted separately. Size 4 1/2" H. x 2 3/4" W. x 1 3/4" D. Imp.: 8 ohms. Shipping weight 1 lb.

## Olson STEREO MONO SPEAKER SWITCH

Olson HF-43  
**\$1<sup>79</sup>**  
3 for \$5.00  
12 @ \$1.50 ea.

Control up to 3 pairs of stereo speakers or 1 to 6 monaural speakers. Remotes may be switched in or out of circuit without effecting amplifier load. Can be used with 4 or 8 ohm speakers. Gold panel 3 3/4" x 2 3/4". With instructions. Shipping weight 1/4 lb.

## Olson STEREO SPEAKER SWITCH

Olson SW-234  
**\$1<sup>79</sup>**  
3 FOR \$4.77

Dual 7 position switches permit the selection of all or 7 different combinations of any 3 pairs of speakers. Ivory knob with gold finish plate. Instructions included. Size: 2 3/4" x 4 3/4". Shipping weight 1/2 lb.

## Olson SILENT TV-RADIO LISTENER



Olson SW-346  
**\$1<sup>98</sup>**  
3 FOR \$5.50

Ideal for bedside radio or TV. Switch turns off speaker in set if desired. Has two earphone jacks. Complete with one earphone and 15 ft. connecting cable. Size 2 3/4" x 1 1/4" x 3/4". Shpg. wt. 1 lb.

## Euphonics SOUND-OFF



Olson SW-390  
**\$17<sup>90</sup>**

Connect to TV set and turn sound off and on from your easy chair or bed. No wires from remote control to set. 110-120 volts AC. 50/60 cps. Shipping weight 3 lbs.

## ORDER BY PHONE DAY or NIGHT

216-535-9191

Lincoln Easley, Rt. 3 Box 117, Union City, Tn. 38261; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See page 36.

**Olson Electronics** 15  
AKRON, OHIO

**Olson** PROFESSIONAL TONE ARM

**\$19<sup>98</sup>**

HF-104

- ★ Includes Arm Rest
- ★ Hunter Weight Balance
- ★ Miniature Ball Bearings
- ★ Tracks at Less Than 1 Gram

Designed for tracking at less than 1 gram stylus pressure with a high compliance, low mass stylus. Olson HF-104 arm is equipped with counter-weight balance to give high stability tracking. Overall length 12 1/2". Finished in chrome and brushed aluminum. Accepts all cartridges with standard 1/2" mounting. Includes arm rest post. Shipping weight 2 lbs.

★ Includes Arm Rest  
★ Hunter Weight Balance  
★ Miniature Ball Bearings  
★ Tracks at Less Than 1 Gram

**Olson** Monaural PHONO ARM

**\$19**

HF-35

- ★ Dual Sapphire Styli
- ★ Plays all 4 speeds
- ★ Response: 50 to 13,000 CPS
- ★ Spring Counter Balanced
- ★ Output: .5 Volts
- ★ With Mounting Hardware
- ★ 8" Long

Shipping Weight 1/4 lb.

STEREO PHONO ARM (Similar to above) No. HF-33, 3 for \$5.50, Ea. \$2

**Olson** STEREO MONAURAL PHONO ARM

**\$149**

HF-36

2 HEADS INCLUDED

2 FOR \$22

This new 12" phono arm is dynamically balanced, and will track at lowest pressure recommended by cartridge manufacturers. May be mounted on any turntable. Shpg. wt. 3 lbs.

**Olson** Anti-Static SPRAY & CLEANER

**\$1.19**

TL-471

★ With Free Cleaning Cloth

Eliminates surface noise and groove wear caused by dust. All new records should be treated before using and thereafter as needed. Shpg. weight 1/2 lb.

**18" PHONO SLIDES**

Nylon Ball Bearings

★ 50 lb. Capacity

**\$249**

PER PAIR

No. HF-70

Drawer slide provides easy, quiet drawer extension for any unit weighing up to 50 lbs. Features large nylon ball bearing wheels that roll effortlessly. Finger tip release allows easy removal of drawer and provides positive stop action. Slide travel is 13 3/4". Closed length 18". Complete with screws. Shipping weight 4 lbs.

**Robins** CHANGER SWITCH

**\$6<sup>99</sup>**

HF-131

★ Automatically Turns Off Amplifier After Last Record Plays

Plug changer and amplifier into the changer switch, then plug the switch into any wall outlet. When changer shuts off, the amplifier will be turned off. Operates on 120 V. AC, 60 cps. Shpg. wt. 2 lbs.

**PHONO AMPLIFIER**

**\$99<sup>c</sup>**

No. AM-332

★ Factory Assembled

Dr. So Woodward, 2913 Lone Oak Road, Paducah, Kentucky 42001: wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

Ready to connect and play (less tubes). You can build a phonograph or intercom or any number of projects limited only by your imagination. Each amplifier includes volume control and switch. All operate on 110-120 volts AC, 50/60 cps. Shipping weight 2 lbs.

2 Tube Model, size 6 5/8" W. x 2 3/4" H. x 2 7/8" D. AM-332 99c

**1 - 2 & 4 SPEED PHONO MOTORS & TURNTABLES**

**ATTENTION** Servicemen & Experimenter!

Includes Idler Wheel

Order a supply of these quality phono motors today at this special low price. Perfect replacements for many small record players — Ideal for build-it-yourself phonos. Your choice of 1, 2 or 4 speeds (see below) 110-120 volts AC, 60 cps. Shipping weight 8 lbs.

**AS LOW AS \$129**

1-Speed, 6 3/4" dia. turntable, 78 RPM **\$129**  
Olson MO-201, Reg. \$1.99

2-Speed, 8 1/2" dia. turntable, 45 & 78 RPM **\$199**  
Olson MO-202, Reg. \$2.99

4-Speed, 8 1/2" dia. turntable, 16-33-45 & 78 RPM, Olson MO-203, Reg. \$3.99 **\$299**

**Olson** 3 Volt 33 & 45 rpm Turntable

**\$329**

RP-336

★ Weighted Turntable

★ Rubber Mat

A smooth running DC motor drives the turntable at 33 and 45 RPM. Turntable has rubber mat to protect your records. Ideal for transistorized portable phonograph. Table dia. 5 3/4". Shpg. weight 2 lbs.

**Play-fair** STYLUS TIMER

**\$166**

HF-75

FOR DIAMOND STYLUS

★ ELIMINATE RECORD DAMAGE

Stylus wear must be detected before it becomes noticeable to the ear, to prevent record damage. The stylus timer keeps an accurate check to stylus use, tells you when it's time to replace. Shipping weight 1/4 lb.

**Automatic Changer Switch**

**\$495**

HF-145

★ Easy Plug-In Installation

★ For Changers With Amp-Look AC Plug

★ Ideal For Use With: Garrard, BSR, VM And Others

★ Has Manual/Automatic Switch

Size: 4 3/4" x 2 3/4" x 1 3/4"

Shipping weight 1 lb.

**Robins** 45 RPM SPIDER ADAPTORS

**86<sup>c</sup>**

HF-130

BAG OF 50

50 hi-impact reusable 45 RPM spider adaptors. Easy insertion into records. Shipping weight 1/4 lb.

**RECORD KLEENER CLOTH**

**44<sup>c</sup>** 12 @ 30c ea. 3 for \$1 EA. No. HF-30

Silicon treated. Eliminates static charges. Also lubricates. Shipping wt. 1/4 lb.

**Olson** Solid State Stereo PREAMP

**\$12<sup>98</sup>**

AM-297 3 for \$36

★ 4 Transistor Circuit

★ Input for Mag. Phono & Tape Heads

★ Response: 30 to 20,000 cps.

★ Equalization: Phono; RIAA, Tape; NARTB

★ Pilot Light

★ Brushed Aluminum Panel

★ Gray Metal Cabinet

Size: 6" W. x 2 1/8" H. x 3 3/8" D.  
110-120 Volt AC, 50/60 cps.  
Shipping weight 4 lbs.

**Olson** PHONO CARTRIDGE SELECTIONS

**A ACOS STEREO TURNOVER**  
Has 1/2" mounting centers plus center hole. Output: 300 mv. Channel separation: 22 db. Diamond Stylus. Response: 250-18,000 cps. 15° Tracking Angle. No. PC-131 \$4

**B SHURE M44-7**  
Separation: 25 DB at 1,000 cps. Response: 20-20,000 cps. Recommended load 47,000 ohms. Tracking: 1 1/2-3 grams. Compliance: 20x10 centimeters per dyne 1/2" mounting centers. No. PC-144 \$19.95  
No. PC-143, M44E \$34.50

**C Euphonics U-10 Stereo Cart.**  
★ Replaces: Admiral, Wards, Motorola, VM, Westinghouse, Zenith  
★ Turnover Sapphire Stylus  
★ 1/2" Mounting Centers  
★ Full Range Response  
★ Shipping Weight 1/4 lb. No. PC-154 \$2.99

**D Vaco ST-5X Stereo Cartridge**  
★ 2 Sapphire Needles  
Replace many popular cartridges such as EV No. 98 and Ronette 106. Has standard 1/2" mtg. centers. High output crystal element. Shpg. wt. 1/4 lb. 3 for 8.37 No. PC-145 \$2.95

**E Monaural Turnover Cart.**  
Made in England with sapphire stylus. 350 mv. output. 1/2" mounting centers; and European inline mounting. Response 30 to well above 9,000 CPS. Shipping weight 1/4 lb. No. PC-122, 3 for \$3.87 \$1.39

**F SONOTONE 8TA4-SD STEREO**  
With .7 mil diamond, .3 mil sapphire stylus. Response ±2.5 DB. 20 to 15,000 CPS. Compliance 3.0 x 10-6 cm/dyne. 20 DB channel separation. 1/2" mounting centers. No. PC-92 \$7.64

**G RONETTE 106 STEREO**  
Turnover type. Plays stereo or monaural records. Has standard 1/2" mounting centers. Output 1.5 volts. Response 50 to 11,000 cps. No. PC-70 \$2.99

**H BSR SX1H Stereo Cartridge**  
Turnover type. Mounts on 1/2" centers. Response 40 to 12,000 cps. Output .15 volts. Sapphire Stylus. No. PC-132 \$2.15

**I EMPIRE 888 STEREO**  
MAGNETIC mono/stereo cartridge with .7 mil diamond stylus. Response: 10 to 20,000 cps. Channel separation: more than 30 DB. 1/2" mount. centers. No. PC-130 \$24.95  
No. PC-151 808E Elliptical \$29.95  
No. PC-139 888E Elliptical \$34.95  
No. PC-152 888TE Elliptical \$49.95  
No. PC-146 999VE Elliptical \$74.95

**J Pickering V-15/AC-3 Stereo**  
MAGNETIC CARTRIDGE Response ± 2 DB 20-20,000 cps. Channel separation 30 DB. Track force 3-7 grams. Output 6.9 MV per channel .7 mil dia. stylus. No. PC-147 \$24.95  
No. PC-148 V15/ACE-3 Elliptical \$29.95  
No. PC-149 V15/ATE-3 Elliptical \$39.95  
No. PC-150 XV-15/AME Elliptical \$49.95

**K Olson STEREO TURNOVER**  
UNIVERSAL MTG. Dual Sapphire stylus. Response: 40 to 10,000 cps. Output: 1 volt. Response 12 DB. Tracking force: 6-8 grams. No. PC-110 \$1.55

**ALLIANCE 4-Speed MOTOR & TURNTABLE**

★ Plays All 4 Popular Speeds

★ American Made

Self starting, 4-speed phono motor with heavy, non-slip turntable. Self-starting, precision built motor drives turntable through large rubber idler wheel to keep noise and vibration to a minimum. Plays all 4 popular speeds. Retractable disc in center of turntable fits large hole in 45 RPM records. Complete with selector arm and index plate for speed change. Operates on 110-125 volts AC, 60 cps. Write for special large quantity prices. Shipping weight 6 lbs.

**3 FOR \$15 \$5<sup>19</sup>**

Olson Low Price

MO-120

**Olson** TRANSISTOR PHONO PREAMP

**\$588**

AM-287

★ Ultra Compact

★ 2 Transistor

★ Resp.: 30 to 20,000 CPS

3 FOR \$17.10

Fits easily into space where tube type preamps will not fit. Adapts magnetic type cartridge to any amplifier with regular phono input. Response: 30 to 20,000 cps. Size: 3/4" x 1 1/4" x 2 3/4". Has flexible leads with RCA type jack on one end and RCA type jack on the other. Operates on one standard penlight battery (not included). Shipping weight 1 lb.

Battery for AM-287, BA-67, Pkg. of 8 59c

**PHONO AMPLIFIER**

**\$395**

AM-16

★ 110-125 Volt A.C.

★ Made in U.S.A.

★ SHIELD TUBES FOR ABOVE 12AV6, .56; 50C5, .75; 35W4, .52.

★ OUTPUT TRANSFORMER, No. T-92 ..... Ea. 69c

Easily attached to any phono. Equipped with tone and volume controls. Size: 4 1/4" x 2 1/2" x 5". Less output transformer. 110-125 V. AC. Shipping weight 1 3/4 lbs.

**DIAMOND NEEDLES**

Stereo Dual Tip ★ Diamond LP ★ Sapphire 78

**A** N-126 for RCA 108-213A, 106-960A, 106-770A, 106771A \$1.69

**B** N-150 for Sonotone 9T \$1.19

**C** N-130 for Sonotone 8TA, & 8T \$1.19

**D** N-157 for EV-132, 163 \$1.69

**E** N-169 for GE C-500 \$1.69

**F** N-168 for BSR C-1 \$1.69

**G** N-166 for Astatic 138, 140, 142, 146, 148 \$1.69

**H** N-167 for Astatic 17, 17D, 17DA, 135DA, 217 \$1.69

**I** N-158 for Sonotone 16T \$1.69

**J** N-159 for GE C200, C100A \$1.69

**K** N-170 for EV117, 131, 131D, 148, 148D, 154, 154D \$1.69

**Stereo Single Tip DIAMOND LP**

**H** N-102 for Ronette 105 \$1.19

**I** N-162 for EV215, 265T \$1.69

**K** N-122 for Ronette \$1.69

**MONAURAL DIAMOND LP**

**L** N-71 for Sonotone 2T5 \$1.19

**M** N-70 for Ronette \$1.19

# ELLIPTICAL SPEAKERS

PERFECT SPEAKERS FOR AUTO REPLACEMENT



**4" x 10" PM SPEAKER**

Olson S-973

**\$1.99**

3 FOR \$5.37

- ★ Alnico V Magnet
  - ★ 8-10 Ohm Voice Coil
  - ★ For Radio-TV-Phono-Auto Radio
- Shipping weight 2 lbs.

**5" x 7" PM SPEAKER**

- 3.2 OHM
- Round Yoke
- 2 1/2" Deep
- Alnico V Magnet

Olson S-975

**3 FOR \$4.17 1.49**

**DELUXE 5" x 7" PM SPEAKER**  
Has 3.16 oz. Alnico V Magnet. 3.2 OHMS. Shipping weight 3 lbs.  
Olson S-974 3 for \$6 EA. \$2.29

**6" x 9" PM SPEAKER**

**\$2.76** S-224

3 @ \$2.50,  
100 @ \$2.16

- Voice Coil: 8 ohms
- Magnet weight: 1.47 oz.
- Power: 8 watts

Shpg. wt. 3 lbs.

**5" x 7" PM SPEAKER**

3 @ \$2.19,  
100 @ \$1.99

**\$2.49** S-113

- Voice Coil: 8 ohms
- Magnet weight: 1 oz.
- Power: 6 watts

Shpg. wt. 3 lbs.

**6" x 9" HI-FI PM**

**\$3.69** S-280

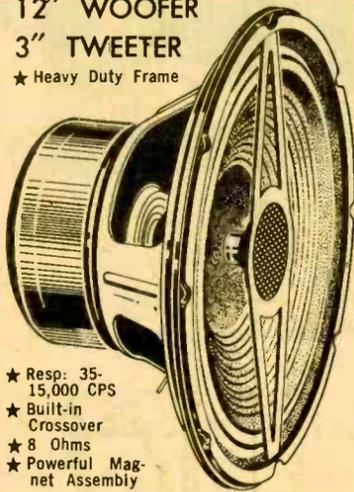
3 @ \$3.33,  
100 @ \$2.73

- Aluminum Voice Coil: 8 ohms
- High-Frequency Whizzer
- Magnet weight: 2.15 oz.
- Power: 8 watts

Shpg. wt. 2 3/4 lbs.

# Olson 12"

FULL RANGE COAX SPEAKER  
12" WOOFER  
3" TWEETER  
★ Heavy Duty Frame



- ★ Resp: 35-15,000 CPS
- ★ Built-in Crossover
- ★ 8 Ohms
- ★ Powerful Magnet Assembly

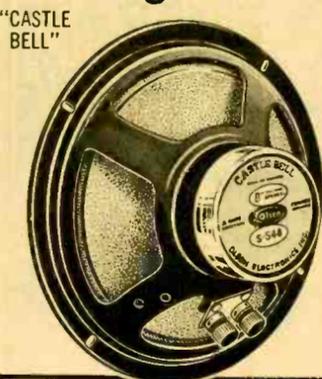
Olson S-311  
2 FOR \$20

**\$11.99**

OLSON LOW PRICE

# Olson 8"

Full Range SPEAKER



Olson S-548  
2 FOR \$11.50

**\$5.98**

OLSON LOW PRICE

★ Made in England

Features a rugged ceramic magnet and double wound voice coil. Response 30 to 16,000 cps. Impedance: 8 ohms. Shipping weight 3 1/4 lbs.

## Olson REPLACEMENT SPEAKERS

**YOUR CHOICE**

LOTS OF 100 EACH

**41c**

Lots of 50, Ea. 44c  
Lots of 10, Ea. 49c  
Single, Each 59c

- 2 1/4" PM SPEAKER, 16 Ohms, Round Yoke, Shpg. wt. 1/4 lb. Olson S-767
- 2 1/4" PM SPEAKER, 3-4 Ohms, Round Yoke, Shpg. wt. 1/4 lb. Olson S-934
- 2 1/4" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1/4 lb. Olson S-532
- 2 1/2" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1/4 lb. Olson S-641
- 2 1/2" x 4" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 3/4 lb. Olson S-763
- 2 1/2" x 4" PM SPEAKER, 40 Ohm, Round Yoke, Shpg. wt. 1/2 lb. Olson S-937
- 2 3/4" PM SPEAKER, 16 Ohm, Round Yoke, Shpg. wt. 1/4 lb. Olson S-945
- 2 3/4" PM SPEAKER, 16 Ohm, Square Yoke, Shpg. wt. 1/4 lb. Olson S-644
- 2 3/4" PM SPEAKER, 3-4 Ohms, Round Yoke, Shpg. wt. 3/4 lb. Olson S-891
- 3" PM SPEAKER, 8-10 Ohms, Round Yoke, Shpg. wt. 1/2 lb. Olson S-645
- 3" PM SPEAKER, 20 Ohms, Round Yoke, Shpg. wt. 3/4 lb. Olson S-869
- 3" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1/2 lb. Olson S-646
- 3" PM SPEAKER, 12 Ohms, Round Yoke, Shpg. wt. 1/4 lb. Olson S-944
- 3" PM SPEAKER, 16 Ohm, Square Yoke, Shpg. wt. 1/4 lb. Olson S-938
- 3 1/2" PM SPEAKER, 8-10 Ohms, Round Yoke, Shpg. wt. 1/2 lb. Olson S-909
- 2" x 6" PM SPEAKER, 3-4 Ohms, Round Yoke, Shpg. wt. 1 3/4 lbs. Olson S-904

**YOUR CHOICE**

Lots of 100, Each

**65c**

Lots of 50, Ea. 70c  
Lots of 10, Ea. 77c  
Single, Each 89c

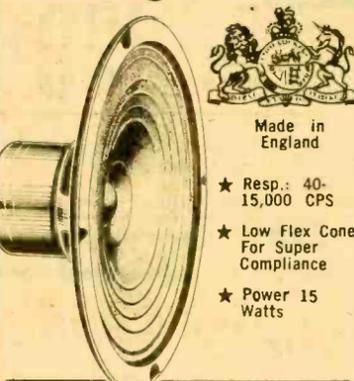
- 3" x 4 1/2" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1/2 lb. Olson S-881
- 3" x 5" PM SPEAKER, 8-10 Ohms, Round Yoke, Shpg. wt. 1/2 lb. Olson S-903
- 3" x 5" PM SPEAKER, 6.4 Ohms, Round Yoke, Shpg. wt. 2 lbs. Olson S-906
- 3" x 5" PM SPEAKER, 3-4 Ohms, Round Yoke, Shpg. wt. 1/2 lb. Olson S-750
- 3" x 6" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1 1/2 lbs. Olson S-719
- 3" x 6" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1 1/2 lbs. Olson S-820
- 4" PM SPEAKER, 6.4 Ohms, Round Yoke, Shpg. wt. 1 1/2 lbs. Olson S-905
- 4" PM SPEAKER, 8-10 Ohms, Round Yoke, Shpg. wt. 1 1/2 lbs. Olson S-650
- 4" PM SPEAKER, 3-4 Ohms, Square Yoke, Shpg. wt. 1 1/2 lbs. Olson S-718
- 4" PM SPEAKER, 45 Ohms, Square Yoke, Shpg. wt. 1 1/2 lbs. Olson S-875
- 4" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1 1/2 lbs. Olson S-679
- 4" PM SPEAKER, 45 Ohms, Square Yoke, Shpg. wt. 1 1/2 lbs. Olson S-874
- 4" PM SPEAKER, 3-4 Ohms, Round Yoke, Shpg. wt. 1 1/2 lbs. Olson S-724

LOTS OF 100 EA. \$1.09  
LOTS OF 50 EA. \$1.15  
LOTS OF 10 EA. \$1.27  
SINGLE EA. \$1.39

- 4" x 6" PM SPEAKER, 8-10 Ohms, Square Yoke, Shpg. wt. 1 lb. Olson S-656
- 4" x 6" PM SPEAKER, 8-10 Ohms, Round Yoke, Shpg. wt. 1 1/2 lbs. Olson S-684

# Olson 8"

Full Range SPEAKER



Made in England

- ★ Resp.: 40-15,000 CPS
- ★ Low Flex Cone For Super Compliance
- ★ Power 15 Watts

Olson S-517  
2 FOR \$6.98

**\$3.99**

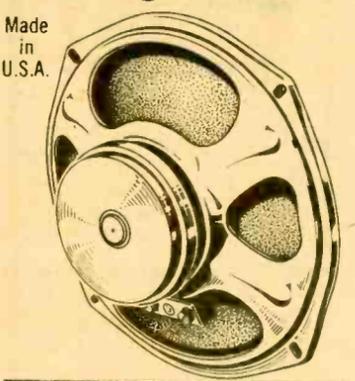
OLSON LOW PRICE

A one inch, 8 ohm double wound voice coil, with special felt centering, excellent quality fiber cone, and concentric exponential high frequency whizzer. Heavy duty ticonal magnet. Size: 8" diam. x 3 3/4" deep. Shipping weight 2 3/4 lbs.

ORDER BY PHONE DAY or NIGHT  
216-535-9191

# JENSEN 8"

Full Range SPEAKER



Made in U.S.A.

Olson S-562

**\$6.50**

OLSON LOW PRICE

Extended range will greatly improve tone quality. Resp.: 30-13,000 cps. 8 ohms, 12 watts. Features 10 oz. SYN-TOX-6 ceramic magnet and specially formed cone for exceptional transient response and maximum efficiency. Shipping weight 4 lbs.

Robert L. Charing, 2824 S. Main Street, Anderson, S.C. 29621; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

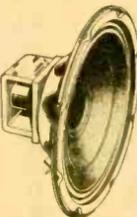
## ALNICO-V-SPEAKERS

High quality PM speaker for replacements and original equipment applications.

MAY BE ASSORTED FOR QUANTITY PRICES

### 5 inch PM SPEAKERS

For replacement in radio, TV or phono



Olson S-340  
Imp.: 3.2 ohms  
Shpg. wt. 1/2 lb.

**88c**

Olson S-336  
• 4 Watts  
• 3.2 Ohms  
• 1.0 oz. Magnet  
Shpg. wt. 3/4 lb.  
3 @ \$1.67  
100 @ \$1.79  
\$1.47 EA.

### 8 inch PM SPEAKERS



• 3.2 Ohms  
• 7 Watts  
Shpg. wt. 3 lbs.  
3 @ \$2.29  
100 @ \$2.19

Olson S-715

Each **\$2.59**

### 10 inch PM SPEAKER

• 3.2 Ohms  
Shpg. wt. 3 1/2 lbs.

Olson S-896

**\$3.99**

### 6 inch PM SPEAKERS

For general replacement



• 3.2 Ohms  
• 1.47 oz. Magnet  
• Rated 5 Watts  
Shpg. wt. 2 lbs.  
100 @ \$1.73

Olson S-7

3 @ **\$2.39**  
\$2.09 Each

**HEAVY DUTY**  
Olson S-863  
Shpg. wt. 2 lbs.  
3 @ **\$2.69**  
\$2.49 Each

### 45 Ohm PM SPEAKER

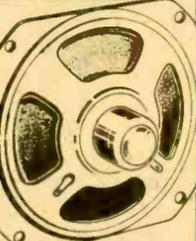
IOR INTERNATIONAL RECTIFIER

Popular 4" Size

Mfr's. 1967 List Price \$2.95

**69c**

Olson S-927  
3 for \$1.77



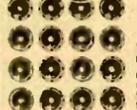
This 45 ohm speaker is perfect for use with many of the IR modules listed above. Ideal for many multispeaker applications where impedance is critical. Size: 4" square x 1 1/2" D. Shipping weight 1/4 lb.



HEAVY DUTY

### 16 FIVE-INCH SPEAKERS

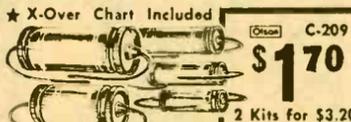
Big Speaker Sound At Small Speaker Price



ALL 16 **\$15.99**  
Olson AS-936

Kit contains 16 heavy duty 5" PM speakers. Each kit contains diagrams on the construction of this excellent multiple speaker system. Shpg. wt. 5 1/2 lbs.

### KIT OF 5 CROSSOVER CAPACITORS



★ X-Over Chart Included

Olson C-209  
**\$1.70**  
2 Kits for \$3.20

Ideal for crossovers in two or three speaker systems. Contains 2-2 mfd., 2-4 mfd. and 1-10 mfd. capacitor. Plus diagram. Shipping weight 1/4 lb.

## Olson 8" Full Range SPEAKER

• Alnico V Magnet

Olson S-883

**\$1.99**



An unusual value in PM speakers. Features a heavy-duty Alnico V magnet for extra power handling capacity. Wide range response makes this speaker suitable for replacement in radio, TV, phono or public address systems. Stock up on this fine speaker and save at Olson's special low price. Shipping weight 2 lbs.

## Jensen 8 INCH

Full Range Speaker



Genuine Jensen quality results in unsurpassed sound quality; 8" speaker features specially treated cone. Alnico V type magnet. Size: 8" dia. x 4 1/2" D. Impedance 8 ohms.

LEADING U.S. MANUFACTURER



Olson S-796

**\$2.99**

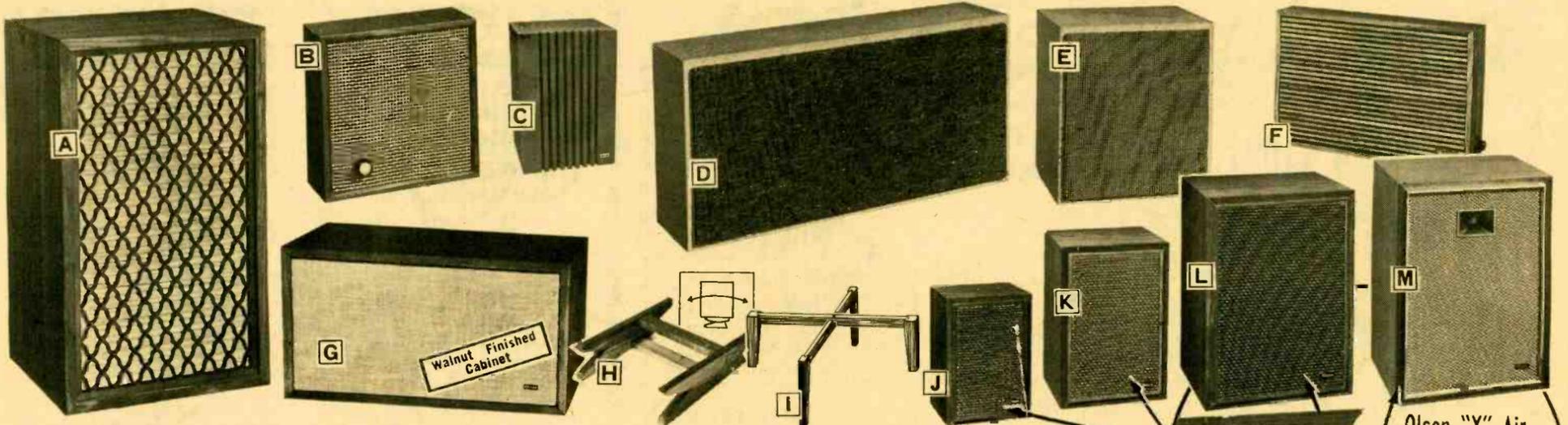
\$3.18 EACH  
LOTS OF 6, EA. **\$285** S-986

## EXTRA DUTY REPLACEMENT SPEAKERS

- ★ Powerful Ceramic Magnets
- ★ Full Range Response

Replace that tired speaker in your car radio, phono, TV, etc. with an Olson "Extra Duty" wide range speaker. Features massive ceramic magnets for maximum power handling capacity. Specially treated cone delivers full range response. Choose from list at right.

- 5" HEAVY DUTY SPEAKER  
• 2.35 oz. Ceramic Magnet  
• Voice Coil: 8 ohms  
Shipping weight 3/4 lb.  
Olson S-757 **\$2.29**
- 8" HEAVY DUTY SPEAKER  
• 4.8 oz. Ceramic Magnet  
• Voice Coil: 8 ohms  
Shipping weight 4 lbs.  
Olson S-759 **\$4.19**
- 6" HEAVY DUTY SPEAKER  
• 2.35 oz. Ceramic Magnet  
• Voice Coil: 8 ohms  
Shipping weight 3 lbs.  
Olson S-758 **\$3.19**
- 5" x 7" HEAVY DUTY  
• 10 oz. Ceramic Magnet  
• Voice Coil: 8 ohms  
Shipping weight 3 1/2 lbs.  
Olson S-761 **\$7.98**
- 6" x 9" Heavy Duty  
• 10 oz. Ceramic Magnet  
• Voice Coil: 8 ohms  
Shipping weight 3 1/2 lbs.  
Olson S-760 **\$7.98**



**A Olson**® 3-Way 12" SPEAKER SYSTEM

A powerful 12" lo-frequency driver is acoustically matched to the enclosure for deep, resonant bass and L-C coupled to the mid-range and tweeter speakers. Both tweeter and mid-range have separately adjustable level controls. Handsome oiled walnut enclosure. Specifications: Speaker complement: 12" woofer, 8" mid-range, 4" tweeter. Power capacity: Up to 40 watts. Impedance: 8 ohms. Frequency Response: 30 to 20,000 cps. Size: 14" W. x 23 1/2" H. x 11 1/4" D. Shpg. wt. 40 lbs.

**\$119.98**

Olson 5-853

**B Olson**® Deluxe 2-Way SPEAKER SYSTEM

★ 3 1/2" Tweeter ★ Heavy Duty 8" Speaker

Response of 50-12,000 cps. Oiled walnut finish. Built-in volume control. Size: 12" x 12" x 4 1/4". Imp. 8 ohms. Shipping weight 7 1/2 lbs.

**\$11.99**

Olson 5-603 ONLY

**C Olson**® CONTINENTAL "X"-AIR SYSTEM

Finished in Rosewood. The speaker is a genuine "X"-Air, acoustic suspension type. Speaker cone has a soft pliable cloth annulus. Response: 65 to 18,000 cps. Power capacity: 5 watts RMS., 15 watts program. Impedance: 8 ohms. Size: 6 1/2" W. x 9" H. x 5 1/8" D. Shipping weight 6 lbs.

**\$19**

Olson 5-801

Continental system with 8" "X"-Air speaker. Response: 30 to 20,000 cps. Power capacity: 12 watts RMS., 35 watts program. Size: 10 3/4" W. x 14 1/4" H. x 8" D. Impedance: 8 ohms. Shipping wt. 14 lbs.

**\$44**

Olson 5-803

ORDER BY PHONE  
**DAY or NIGHT**  
216-535-9191

**D Olson**® 8" Speaker & 'Slim Line' Commando Enclosure

8" speaker mounted in an enclosure constructed of 1/2" Acoustic Wood. Impedance: 8 ohms. Resp.: 30-13,000 cps. Size 6" x 23 3/4" x 13 1/4". Shpg. wt. 14 lbs.

**\$10.98**

Olson 5-580, 2 FOR \$21

**E JENSEN** 2-Way SPEAKER SYSTEM

Jensen 8" woofer and 3 1/2" hard cone tweeter. Cabinet is unfinished and may be painted, varnished, or waxed. Resp. 50 to 16,000 cps. Imp.: 8 ohms. Power Cap.: 15 watts. Size: 12 1/4" W. x 13 3/4" H. x 10 3/4" D. Shipping weight 14 lbs.

**\$19.98**

Olson 5-738, 2 FOR \$38

Jensen System. Same as above but features beautiful oiled walnut finish. Olson 5-741 \$29.98 ea. 2 for \$56

**F SLIM LINE SPEAKER SYSTEM**

★ Made in W. Germany  
★ Beautiful Walnut Finished Cabinet

An unusually wide range speaker system in a baffle only 2 1/2" deep. Perfect extension for home stereo or hi-fidelity background music system. Walnut finished wood cabinet is accented by horizontal grille bars. Has built-in volume control. Back of cabinet is enclosed and has provisions for wall hangers. Size: 14 1/4" W. x 9 1/4" H. x 2 1/2" D. 8 ohms. Power capacity to 10 watts. Shpg. wt. 6 lbs.

**\$23.98**

No. 5-917

**G Olson**® Fine Quality 2-Way SPEAKER SYSTEM

★ Featuring Speakers From W. Germany

★ Response: 35 to 20,000 CPS  
★ Power Capacity to 20 Watts  
★ 8" Heavy Duty Woofer  
★ Tweeter Level Control  
★ 3" Wide Dispersion Tweeter  
★ L-C Type Crossover

Size: 18 1/4" W. x 10 1/4" H. x 10 1/4" D. Shipping weight 22 lbs.

**\$80**

Olson 5-925 \$8 MONTHLY

**H Olson**® Adjust-A-Tilt SPEAKER BASE

Holds at any angle, adjusts at the touch of a finger. Solid walnut construction with nylon glide. Holds almost any size cabinet. Size: 8 3/4" W. x 9 3/4" D. x 2" H. Shipping weight 3 lbs.

**\$4.98**

Olson No. CA-362

**I Olson** Speaker Cabinet STAND

Hard wood finished in oiled walnut. Legs are 7/8" square, solid wood. Cross braces are 3/4" x 1". All pieces are notched and glued for strong vibration free support. Size 5" H. x 11" W. x 11" D. Shipping weight 2 lbs.

**\$3.99**

Olson CA-347, 2 FOR \$7.50

**J Olson**® "X" AIR SPEAKER SYSTEM

★ Oiled Walnut ★ Convenient Push-On Terminals

Specially constructed cone has soft pliable cloth annulus for perfect transient response. Attractive cane grille cloth. Acoustic Suspension. Heavy Duty Magnet. Response: 65 to 18,000 cps. Power capacity: 5 watts. RMS., 15 watts program. Impedance: 8 ohms. Size: 6" x 9" x 5". Shipping weight 6 lbs.

**14.98**

Olson 5-931 2 For \$29

E. D. Maxfield, 214 E. Kenwood Drive, Garland, Texas 75040; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

Olson "X" Air Speaker Systems Feature **ALL NEW** "Picture Frame" Design

**K Olson**® DELUXE "X" AIR SPEAKER SYSTEM

★ Oiled Walnut ★ Convenient Push-On Terminals

Only 7 1/2" W. x 11 1/4" H. x 6 1/2" D. Powerful ceramic magnet develops over 10,000 gauss. The edge of the cone is specially treated cloth. Response: 35 to 16,000 cps. 10 watts RMS., 25 watts program. Impedance: 8 ohms. Shipping weight 11 1/4 lbs.

**\$29.98**

Olson 5-932 2 FOR \$57

**L Olson**® 8" "X" AIR SPEAKER SYSTEM

★ Oiled Walnut ★ Convenient Push-On Terminals

The Olson S-933 features an 8" full-range speaker incorporating an acoustically suspended double cone. A powerful ceramic magnet insures maximum efficiency. Attractive cane grille cloth. Response: 30 to 20,000 cps. Power capacity to 35 watts program. 15 W. RMS. Impedance: 8 ohms. Size: 14 1/4" H. x 10 1/4" W. x 8" D. Shipping weight 14 lbs.

**\$39.98**

Olson 5-933 2 FOR \$79.96

**M Olson**® X-AIR 2-WAY SPEAKER SYSTEM

★ Acoustic Suspension Woofer ★ Selected Hardwood Veneer ★ Horn Tweeter ★ Response 60-20,000 cps. ★ Power Capacity: To 20 Watts ★ L-C Crossover At 4,000 cps. ★ Beautiful Walnut Finish ★ Attractive Cane Grill Cloth ★ 8" Woofer ★ Size: 14 1/4" H. x 10 1/4" W. x 8" D. ★ Impedance: 8 OHMS. Shipping weight 14 lbs.

**\$44.98**

Olson 5-898, 2 for \$84

**N Octagonal 3-Way SPEAKER SYSTEM**

★ Blends beautifully with modern Mediterranean or Provincial decor

Three-way system consists of a 12" high-compliance woofer, cellular-horn mid-range plus two 2 1/2" super tweeters. All speakers are properly matched through a L-C type network. The mid-range and tweeters are equipped with level controls to permit you to adjust response to suit your taste. Cabinet is beautifully finished in oiled walnut and accented with handsome fretwork grilles. Power capacity: up to 30 watts. Response: 40 to 20,000 cps. Impedance: 8 ohms. Size: 18 1/2" W. x 25 1/2" H. x 18 1/2" D. Shipping weight 60 lbs.

**\$200**

Olson 5-879

**O 3-WAY SPEAKER SYSTEM**

★ Multi-Cellular Horn  
★ 16" Woofer

Designed for the discriminating audiophile. A full 16" woofer with die-cast basket handles the low response to 35 cps. A multicell mid-range is L-C coupled to the woofer, and on to a 2 1/2" super tweeter. Crossover is custom designed to distribute the various tonal ranges to the speaker designed for that range. Cabinet is finished in select hardwood veneers and finished in oiled walnut. Fretwork grille is made of matching wood. Response: 35 to 23,000 cps. Power capacity to 50 watts. Impedance: 8 ohms. Has level controls for mid-range and tweeter. Size: 29 1/2" H. x 20 3/4" W. x 13 3/4" D. Shipping weight 65 lbs.

**\$229.95**

Olson 5-778

**P Desk Stereo 2-Way SPEAKER SYSTEM**

★ 2 Complete 2-Way Speakers

High fidelity stereo reproduction with a pair of specially designed 5" high-compliance woofers and 3 1/2" tweeters. The cabinet is finished in oiled walnut. Specifications: Response: 50 to 18,000 cps. Power capacity: up to 20 watts. Impedance: 8 ohms. Size: 42" W. x 27 1/2" H. x 16 1/2" D. Shipping weight 50 lbs.

**\$150**

Olson 5-887

**Q 3-WAY SPEAKER SYSTEM**

★ Multi-Cellular Horn  
★ 12" Woofer

Cabinet is custom-crafted of select hardwood, veneers, with hand-rubbed walnut finish. A 12" woofer is matched to a multicellular midrange horn and a 2 1/2" tweeter by a specially designed L-C type crossover network. The front panel with the multi-cell horn may be turned 90°. Power handling capacity: up to 50 watts. Impedance: 8 ohms. Response: 30-23,000 cps. Size: 25 3/4" W. x 13 3/4" H. x 11 1/2" D. Shipping weight 47 lbs.

**\$179.98**

Olson 5-777

**R CUBE SPEAKER SYSTEM**

The Olson "Cube" system employs two separate speakers to achieve wide range response and superb Hi Fidelity sound — an 8" woofer and 2 1/2" horn type super tweeter. Power capacity: Up to 20 watts. Impedance: 8 ohms. Response: 60 to 20,000 cps. Size: 11 3/4" W. x 11 3/4" H. x 11 3/4" D. Shipping wt. 14 lbs.

**\$49.98**

Olson 5-838

**S Mini-Cube SPEAKER SYSTEM**

The system is composed of a 4" x 6" high compliance woofer and a 2 1/2" super tweeter plus crossover. Oiled walnut finish. Crossover frequency is 7500 cps. Power handling capacity to 10 watts. Frequency response: 150 to 15,000 cps. Size: 9" W. x 9" H. x 9 1/4" D. Shpg. wt. 9 lbs.

**\$30**

No. 5-900

**T 3-WAY SPEAKER SYSTEM**

System may be used in vertical or horizontal position, grille section holding mid-range horn may be turned 90° to maintain proper sound distribution pattern. Speaker complement: 8" woofer, cellular horn mid-range, 2 1/2" super tweeter. L-C type crossover. Power capacity: up to 25 watts. Impedance: 8 ohms. Size 21 1/4" W. x 11 1/4" H. x 11 1/4" D. Has volume level controls for mid-range and tweeter. Shipping weight 29 lbs.

**\$129.98**

Olson 5-776

treat yourself to the finest!  
... quality costs less at OLSON

**Olson Ultima**  
SPEAKER SYSTEMS

- ★ Oiled Walnut Finishes
- ★ Fretwork Grilles
- ★ Elegant Styling



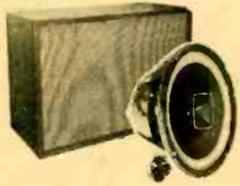
# Olson®

## 12" 3-WAY CO-AX SPEAKER



- ★ Compression Horn Tweeter
- ★ Tweeter Level Control
- ★ Response: 30 to 18,000 CPS
- ★ Power Capacity: 25 Watts
- ★ High Compliance Suspension
- ★ Impedance: 8 Ohms

S-784 ..... **\$27.99**



### SPEAKER Plus CABINET

AS-157	\$61
S-784	\$27.99
CA-368	39.98
Reg. Total	\$67.96

## Olson® 12" WOOFER



- ★ HIGH COMPLIANCE SUSPENSION
- ★ RESONANCE: 20 CPS
- ★ POWER CAPACITY: 20 WATTS
- ★ MASSIVE CERAMIC MAGNET
- ★ RESPONSE: 20 TO 3,000 CPS
- ★ IMPEDANCE: 8 OHMS

Shipping weight 11 lbs.

Olson S-781 ..... **\$13.98**

### SPEAKER Plus CABINET

No. AS-155	\$48
S-781	\$13.98
CA-368	39.98
Reg. Total	\$53.96

## Olson 12" SPEAKER



- ★ FULL RANGE
- ★ HIGH COMPLIANCE SUSPENSION
- ★ RESPONSE: 30 TO 16,000 CPS
- ★ POWER CAPACITY 20 WATTS
- ★ PRECISION DIE-CAST HOUSING
- ★ IMPEDANCE: 8 OHMS

Shipping weight 11 lbs.

Olson S-782 ..... **\$14.98**

### SPEAKER Plus CABINET

No. AS-156	\$49
S-782	\$14.98
CA-368	39.98
Reg. Total	\$54.96

## Olson® Deluxe 12" 3-Way CO-AX SPEAKER



- ★ High Compliance Suspension
- ★ Precision Die-Cast Housing
- ★ Massive Ceramic Magnet
- ★ Compression Horn Tweeter
- ★ Mid-Range Radiator
- ★ Response: 20 to 19,000 CPS
- ★ Power Capacity: 30 Watts
- ★ Impedance: 8 Ohms

Shipping weight 12 lbs.

Olson S-785 ..... **\$39.98**

### SPEAKER Plus CABINET

No. AS-158	\$71
CA-368	\$39.98
S-785	39.98
Reg. Total	\$79.96

## ALTEC LANSING 15" CO-AX SPEAKER



- ★ MODEL 602 D
- ★ RESPONSE: 20 TO 22,000 CPS
- ★ POWER CAPACITY: 25 WATTS
- ★ FIBERGLASS TWEETER
- ★ HIGH COMPLIANCE SUSPENSION
- ★ IMPEDANCE: 8 OHMS

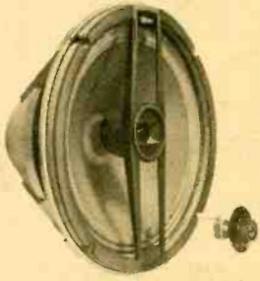
Shipping weight 21 lbs.

\$10 MONTHLY **\$99.50**  
Olson S-865 .....

### SPEAKER Plus CABINET

No. AS-154	\$126
S-865	\$ 99.50
CA-323	45.00
Reg. Total	\$144.50

## Olson Super Deluxe 3-WAY SPEAKER



- ★ COMPRESSION SUPER-TWEETER
- ★ TWEETER VOLUME CONTROL
- ★ POWER CAPACITY: 40 WATTS
- ★ RESPONSE: 20 TO 20,000 CPS
- ★ RESONANCE: 20 CYCLES
- ★ IMPEDANCE: 8 OHMS

Shipping weight 15 lbs.

Olson S-716 ..... **\$79.98**

### SPEAKER Plus CABINET

No. AS-159	\$108
S-716	\$ 79.98
CA-368	39.98
Reg. Total	\$119.96

## Olson 8" 2-WAY CO-AX SPEAKER



- ★ HI-COMPLIANCE SUSPENSION
- ★ PRECISION DIE-CAST HOUSING
- ★ DIRECT RADIATING TWEETER
- ★ POWER CAPACITY: 15 WATTS
- ★ RESPONSE: 40 TO 16,000 CPS
- ★ IMPEDANCE: 8 OHMS

Shipping weight 5 lbs.

Olson S-783 ..... **\$16.98**

### SPEAKER Plus CABINET

No. AS-160	\$51
S-783	\$16.98
CA-368	39.98
Reg. Total	\$56.96

## Olson 8" SPEAKER



- ★ HIGH FREQUENCY RADIATOR
- ★ HIGH COMPLIANCE SUSPENSION
- ★ RESPONSE: 45 TO 15,000 CPS.
- ★ POWER CAPACITY 12 WATTS
- ★ PRECISION DIE-CAST HOUSING
- ★ IMPEDANCE: 8 OHMS

Shipping weight 5 lbs.

Olson S-780 ..... **\$9.98**

### SPEAKER Plus CABINET

No. AS-161	\$45
S-780	\$ 9.98
CA-368	39.98
Reg. Total	\$49.96

## SPEAKER CABINET



- ★ BEAUTIFUL WALNUT FINISH

Constructed of 3/4" acoustic wood. Has 12" cutout for woofer or full range speaker plus 3" cutout for tweeter. Adapter board is included for mounting an 8" speaker. Cabinet is lined with fiberglass and ported. Size: 14 1/2" H. x 25" W. x 9 3/4" D. Shipping weight 24 lbs.

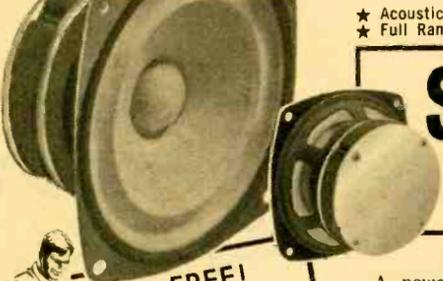
Olson CA-368 **\$39.98**  
2 FOR \$75 .....

### 15" Speaker Enclosure

Same construction and finish as above. Has tuning tube, calibrated for most Olson speakers. Baffle is cut for 15" and has adaptors for both 12" and 8" speakers. Size 25" W. x 17 1/2" H. x 11 1/2" D. Shipping weight 27 lbs.

Olson CA-323 **\$45.00**  
2 FOR \$85 .....

## Olson® 4" "X"-AIR SPEAKER



- ★ Acoustic Suspension
- ★ Full Range

**\$7.98**  
Olson S-732

- ★ Powerful Ceramic Magnet

A powerful ceramic magnet develops over 10,000 gauss. High compliance cone. Recommended cabinet size is only 8 3/4" x 8" x 6 3/4". Response: 40 to 16,000 cps. Impedance: 8 ohms. Power capacity: 15 watts music power. Shipping weight 5 lbs.

FREE!

Complete Instructions For Building a Cabinet For This Speaker.

★ 15 Watts

**Olson 5" WOOFER**

Olson S-845 **\$4.98**

Olson 2-WAY CROSSOVER

★ With Level Control

Olson HF-102 **\$5.98**

Panel Mounted 2 for \$11

**Olson 2 3/8" TWEETER**

Olson S-846 **\$4.98**

★ Special Cone Construction: Expertly designed for flawless reproduction of low frequencies in two-way systems. Special ribbed cone is suspended from speaker frame by a specially treated cloth ring to allow long cone excursion required by low frequency tones. Impedance: 8 ohms. Power capacity: 15 watts (music power). Response: 30 to 5,000 cps. Resonant frequency: 48 cps. Size: 5 1/4" W. x 3 1/2". Shipping weight 4 lbs.

★ Completely assembled, ready to install. L-C type crossover at 3,000 cps. Built-in volume control for tweeter. Impedance 8 ohms. Convenient pushbutton terminals. Size: 4" W. x 5 1/2" H x 1" D. Shipping weight 1 lb.

★ Response: 2,000 to 27,000 cps. ★ Power Capacity: 20 Watts

Ultra compact. For use in systems handling up to 20 watts. Olson S-846 features a 1.16 oz. magnet with flux density of 13,000 gauss. Sensitivity: 100 db. Impedance: 8 ohms. Power handling capacity: 20 Watts. Mounting hole size: 2 1/4" dia. Overall size: 2 3/4" d. x 2 3/8" w. x 2 1/2" h. Shpg. wt. 2 lbs.

# Olson®

## 5" "X"-AIR SPEAKER



**\$8.98**  
Olson S-765

- ★ Powerful Ceramic Magnet

- ★ Response 40 to 18,000 cps.
- ★ Impedance: 8 ohms

12 ★ Acoustic Suspension

The Olson 5" "X"-Air is designed for wide range operation. The cone is attached to the speaker frame by a specially treated cloth ring. Response: 40 to 18,000 cps. Power capacity: 20 watts music power. Impedance: 8 ohms. Shipping weight 5 lbs.

J. D. Noah, Star Route Box 345, Azle, Texas 76020; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

## 6 1/2" 'FLEX-EDGE' SPEAKER



**\$7.98**  
Olson S-736

- ★ Made in England • Super Soft Annulus
- ★ Response: 40-16,000 cps.
- ★ Power Capacity: 10 Watts

Super-soft rubber annulus allows greater cone travel without distortion. The result is smoother, more pleasing tone in the low frequency region. High frequencies are enhanced by a specially formed diffuser cone mounted in the center of the larger cone. The driver is a large flat magnet assembly that provides the required flux-density for extended power capacity called for by today's solid state amplifiers. Because of its high sensitivity the Olson S-736 is also recommended for tube amplifiers, receivers, phonos, TV, etc. Overall size: 6 1/4" dia. x 2 1/2" D. Power capacity 10 watts. Response: 40-16,000 cps. Impedance 8 ohms. Shipping weight 6 lbs.

## Olson® 6 1/2" "X"-Air Speaker



- ★ Response: 35 to 16,000 cps.
  - ★ Mid-range Diffuser Cone
- Larger cone area generates more power in the low frequency range. Cloth annulus surrounds the cone. Recommended cabinet size is 7 3/4" W. x 11 3/4" H. x 6 1/2" D. Power capacity 25 watts music power. Shpg. wt. 7 lbs.

Olson S-755 **\$9.98**

## 8" "X"-Air Speaker

- ★ Response: 30 to 20,000 cps.
  - ★ Massive Ceramic Magnet
- The Olson S-786 "X"-Air Speaker has an acoustically suspended double cone. Soft cloth annulus permits freedom of cone movement resulting in excellent response and minimum distortion. Response: 30 to 20,000 cps. Impedance: 8 ohms. Power capacity: 35 watts music power. Shpg. wt. 10 lbs.

Olson S-786 **\$13.98**

## Olson/GARRARD

*Solid State*  
**STEREO SYSTEM**

1—Olson 20-Watt Solid State Stereo Amplifier, (Olson) AM-296 (below)	\$ 39.98
1—Garrard Model 30 Stereo Changer (Olson) RP-361	39.50
1—Changer Mtg. Base (Olson) CA-346	4.95
2—X-Air Speaker Systems, (Olson) S-931 (pg. 13)	2 for 29.00
1—Speaker Wiring Harness, (Olson) HF-65	.99
<b>Total Reg. Cat. Price</b>	<b>\$114.42</b>

**\$81<sup>88</sup>**

Order No. AS-231  
\$9 Monthly  
**COMPLETE SYSTEM**



### QUALITY

**\$168<sup>88</sup>**

**\$11 Monthly**

ORDER NO. AS-166

1—110-Watt Solid State Stereo Amplifier, (Olson) AM-323 (below)	\$119.98
1—Princess Stereo Changer, (Olson) RP-322 (pg. 17)	36.00
2—8" X-Air Speaker Systems, (Olson) S-933 (pg. 13)	2 for 79.96
1—Speaker Wiring Harness, (Olson) HF-65	.99
<b>Total Reg. Cat. Price</b>	<b>\$236.93</b>
Above system with RA-940 tuner included (below)	<b>\$243.88</b>
(Olson) AS-172	<b>\$13 MONTHLY</b>



### SAVINGS

**\$298<sup>88</sup>**

**\$15 Monthly**

ORDER NO. AS-216

1—45 W. Solid State Stereo Receiver (Olson) RA-984 (below)	\$230.00
2—2-Way Cube Speaker System (Olson) S-838 (pg. 13)	2 for 99.96
1—Speaker Wiring Harness (Olson) HF-65	.99
<b>Total Reg. Cat. Price</b>	<b>\$330.95</b>



### VALUE

**\$178<sup>88</sup>**

**\$12 Monthly**

ORDER NO. AS-214

1—40-Watt Solid State Amplifier, (Olson) AM-310 (below)	\$ 89.98
2—Mini-Cube Speakers, (Olson) S-900 (pg. 13)	2 for 60.00
1—Garrard 40 MKII Changer, (Olson) RP-328 (pg. 17)	44.50
1—Pickering V15 Stereo Cartridge, (Olson) PC-147 (pg. 16)	.01
1—Changer Mounting Base, (Olson) CA-346 (pg. 17)	4.95
1—Speaker Wiring Harness, (Olson) HF-65	.99
<b>Total Reg. Cat. Price</b>	<b>\$200.43</b>



### QUALITY

**\$398<sup>88</sup>**

**\$19 Monthly**

ORDER NO. AS-215

1—60-Watt Solid State Stereo Receiver, (Olson) RA-995 (below)	\$200.00
2—Ultima 3-Way Speaker Systems, (Olson) S-776 (pg. 13)	2 for 259.00
1—Garrard SL-65 Changer, (Olson) RP-358 (pg. 17)	79.50
1—Empire 808 E Stereo Cart., (Olson) PC-151 (pg. 16)	.01
1—Changer Mtg. Base, (Olson) CA-346 (pg. 17)	4.50
1—Speaker Wiring Harness, (Olson) HF-65	.99
<b>Total Reg. Cat. Price</b>	<b>\$544.90</b>



### VALUE

**\$349<sup>50</sup>**

**\$17 Monthly**

ORDER NO. AS-136

#### STEREO SYSTEM

1—55 W. Fisher 220T Receiver (less cabinet)	\$119.95
2—2-Way Speaker Systems (Olson) S-741	2 for 119.95
1—Garrard 40 MKII Changer	44.50
1—Changer Mounting Base	.01
1—Pickering V15 Stereo Cartridge	.99
<b>Total Price When Components Are Purchased Separately</b>	<b>\$414.95</b>



### SAVINGS

**\$289<sup>95</sup>**

**\$15 Monthly**

ORDER NO. AS-138

#### STEREO SYSTEM

1—65 W. Scott 342 Receiver (less cabinet)	\$119.95
2—2-Way Speaker Systems (Olson) S-741	2 for 119.95
1—Garrard 40MKII Changer	44.50
1—Changer Mounting Base	.01
1—Pickering V15 Stereo Cartridge	.99
<b>Total Price When Components Are Purchased Separately</b>	<b>\$358.25</b>



## Olson

### "MINI" Solid State Stereo SYSTEM

- ★ Ideal for the Apartment Dweller
- ★ Solid State Circuitry
- ★ 2-Way Speaker Systems
- ★ Oiled Walnut

**SAVE \$24.08** from Individual Catalog Prices

HERE'S WHAT YOU GET:

1—Olson 40 Watt Stereo Amplifier, AM-310	\$89.98
1—Olson FM-AM-FM/MPX Tuner, RA-856 (Right)	\$89.98
2—Olson Mini-Cube Speaker Systems, S-900 (pg. 13)	2 for \$60.00

**Total Reg. Catalog Price \$239.96**

Olson AS-224  
\$13 MONTHLY

## \$215<sup>88</sup>

See The Complete Line Of Garrard Record Changers and Accessories, page 17.

## Olson

### Solid State Stereo 20 WATT AMPLIFIER

- ★ 10 TRANSISTORS
- ★ Instant Warm-Up
- ★ 2 DIODES

The initial performance level is maintained for years without adjustments. The all transistor circuit offers other advantages too, no hum, no microphonics, instant warm up and excellent transient response. Front panel controls include: volume, balance, bass and treble plus switches for power and phono/tuner selector. A rear panel AC receptacle is provided for record changer or tuner. Inputs are provided for tuner and ceramic or crystal phono cartridge. A brown textured metal cabinet is included. Has gold anodized aluminum front panel with matching knobs. Specifications: IHFM power: 20 watts, 10 w. per channel. Frequency response: 50-20,000 cps. ± 2 db. Hum and noise: -40 db. Output Impedance: 4 to 16 ohms. Operates on 110-120 volts AC, 50/60 cps. Size: 10 1/4" W. x 3 1/2" H. x 8" D. Shipping weight 5 lbs. Walnut Wood Cabinet For Above, (Olson) CA-340 \$7.98

Olson AM-296

## \$39<sup>98</sup>

## Olson

### Solid State Stereo 40 WATT AMPLIFIER

- ★ Electric Guitar Input
- ★ Magnetic Phono Input
- ★ Response: 20 to 20,000 cps
- ★ Stereo Headphone Jack

A superb choice for the cost conscious stereo "buff." The Olson AM-320 is a deluxe integrated, solid state stereo amplifier incorporating output transformerless circuitry. Inputs are provided for magnetic or ceramic phono cartridges, tape, tuner and auxiliary. Electric guitar may be plugged into mag. phono or aux. inputs. The Olson AM-320 also has tape output and tape monitor facilities. Response: 20 to 20,000 cps. ± 1 db. Power output: 40 watts IHF (20 watts per channel). Transistor complement: 1-2SB347, 2-2SB345, 8-2SB481. Size: 10 1/4" W. x 8 1/2" D. x 3 1/2" H. Operates on 110 to 120 volts AC, 60 cps. Shipping weight 10 lbs.

R. A. Obee, La Honda Trailer Ct., 2907 La Honda, Spenard, Ak. 99504; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

Olson AM-320  
\$8 MONTHLY

## \$79<sup>98</sup>

## Olson

### Solid State Stereo 40 WATT AMPLIFIER

- ★ Circuit Breaker Overload Protection
- ★ Walnut Finished Wood Cabinet
- ★ Stereo Headphone Jack

Special fast-action circuit breakers are incorporated in each output circuit. The solid state circuit features special low noise transistors and resistors in the critical pre-amp circuits. The amplifier is housed in a beautiful walnut finished wood cabinet and has a brushed aluminum front panel. A stereo headphone jack is conveniently located on the front panel. Specifications: Power Output: 40 watt (20 per channel). Response: 20 to 20,000 cps. Inputs: Mag. phono, Tape head, Tuner, Aux. Outputs: Tape monitor, Tape record, Speakers 8-16 ohms. Controls: Volume, Bass, Treble, Balance. Switches: Selector, Mono/Stereo, Loudness, Tape Monitor, Speaker/Phones, and Power. Size: 9 1/4" H. x 4 1/2" W. x 9" D. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 12 lbs.

Olson AM-310  
\$9 MONTHLY

## \$89<sup>98</sup>

## Olson

### Solid State Stereo TUNER FM-AM-FM/MPX

- ★ Stereo Indicator Light
- ★ FM-AM Tuning Meter
- ★ Walnut Finished Wood Cabinet
- ★ Illuminated Slide Rule Dial

Up-right styling and wood cabinet. Circuit consists of 12 transistors and 18 diodes. Features illuminated slide rule dial and brushed aluminum panel. Stereo indicator light tells you when you are tuned to a multiplex station. Vertical tuning meter assures accurate pin-point tuning then a really effective AFC circuit locks-in perfect tune. Wood cabinet has gracefully contoured front trim and beautiful walnut finish. Specifications: AM tuning 535 to 1605KC. Sensitivity: 500 uv. Image Ratio: 32 db. FM tuning: 88 to 108 mc. Sensitivity: 3 uv. for 20 db. quieting. Image Ratio: 30 db at 88 mc. Multiplex separation: 25 db at 1KC. Size: 9 1/4" H. x 4 1/2" W. x 9" D. Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 10 lbs.

Olson RA-856  
\$9 MONTHLY

## \$89<sup>98</sup>

## Olson

### Solid State Stereo 60 WATT FM-AM-FM/MPX RECEIVER

- ★ Stereo Headphone Jack
- ★ Stereo Tuning Meter
- ★ Solid State Circuitry
- ★ Garrard 4-Speed Changer
- ★ Magnetic Stereo Cartridge
- ★ Diamond Stylus

Build your stereo entertainment center around the Olson RA-984. Has complete tape and phono facilities. Solid State circuitry assures economical, trouble-free operation. Specifications: Tuner section, FM sensitivity 1.8uv IHF. MPX, separation, more than 28 db at 1KC. Audio, power output, 60 watts IHF (30 W. per channel). Electric guitar may be plugged into the mag. phono or aux. input. Also has tape input and tape monitor jacks. Output matches 4-8 or 16 ohm speakers. Size: 15 1/2" W. x 12" D. x 10 1/4" H. Operates on 110 to 120 volts AC, 60 cps. Shipping weight 35 lbs.

Olson RA-984  
\$13 MONTHLY

## \$230

## Olson

### Solid State Stereo FM-AM FM STEREO TUNER

- ★ Stereo Station Indicator
- ★ Tuning Meter
- ★ Illuminated Slide-Rule Dial
- ★ Shielded Tuner
- ★ Oiled Walnut Cabinet

FM multiplex stations can be selected quickly and conveniently with the aid of a built-in indicator. A meter indicates the correct tuning point for all FM and AM signals. A local/DX switch reduces the tuners sensitivity when tuned to a strong signal. Specifications: Tuning range: FM: 88-108 mc. AM: 535 to 1605 kc. Sensitivity: FM: 1.5 uv for 20 db quieting. AM: 300 uv. for 20 db quieting. FM Stereo Separation: more than 30 db. (at 1000 cps). Response: 20 to 20,000 cps. Transistors: 16 plus 16 diodes. Operates on 110 to 120 volts AC, 50/60 cps. Size: 14" W. x 10" D. x 4 1/4" H. Shipping weight 11 lbs.

Olson RA-940  
\$10 MONTHLY

## \$99<sup>98</sup>

## Olson

### Solid State Stereo 60 WATT FM-AM-FM/MPX Receiver

- ★ Walnut Finished Wood Cabinet
- ★ Sloping Front Panel
- ★ Stereo Tuning Indicator
- ★ Solid State Circuitry

New sloping front panel permits easy tuning from any position. Has complete tape and phono facilities. Solid State circuitry assures economical, trouble-free operation. Specifications: Tuner section, FM sensitivity 1.8uv IHF. MPX, separation, more than 28 db at 1KC. Audio, power output, 60 watts, IHF (30 W. per channel). Total harmonic distortion, 2% or less. Has inputs for mag. or ceramic phono, tape and aux. Electric guitar may be plugged into the mag. phono or aux. input. Also has tape input and tape monitor jacks. Output matches 4-8 or 16 ohm speakers. Size 15 1/2" W. x 12" D. x 5 1/4" H. Operates on 110 to 120 volts AC, 60 cps. Shipping weight 25 lbs.

Olson RA-995  
\$13 Monthly

## \$200

## Olson

### Solid State Stereo 110 WATT AMPLIFIER

- ★ Stereo Headphone Jack
- ★ Electric Guitar Input
- ★ Oiled Walnut Cabinet
- ★ Silicon Transistor Preamp.

There are no output transformers or blocking capacitors to reduce bass response. 6 pairs of stereo inputs including tape monitoring facilities, offer the utmost in flexibility. Electric guitar may be plugged into mag. phono or aux. input. A special fuse circuit protects the output transistors if speaker wires are shorted. Controls include: Volume, balance, bass, treble—Switches: Selector, Hi-Cut, Lo-Cut, Loudness, stereo/mono, phones, tape monitor and power. Response: 20 to 20,000 cps. Power output: 110 watts IHFM (55 W. per channel). Harmonic distortion: 0.8% at rated output. Stereo inputs are provided for magnetic phono, ceramic phono, tuner, tape and aux. Size: 14" W. x 10" D. x 4 1/4" H. Operates on 110-120 volts AC, 50/60 cps. Shipping weight 14 lbs.

Olson AM-323  
\$11 MONTHLY

## \$119<sup>98</sup>

## Olson

### Solid State Stereo 25 WATT AMPLIFIER

- ★ Instant-On, No Warm Up
- ★ AC Convenience Outlet
- ★ Walnut Colored Metal Cabinet
- ★ Mag. Phono Inputs
- ★ Separate Bass and Treble Controls
- ★ Phono/Tuner Selector Switch
- ★ Anodized Aluminum Panel
- ★ Power Output: 25 Watts IHFM
- ★ Response: 50 to 20,000 CPS
- ★ Output Impedance: 4 to 16 Ohms
- ★ Volume and Balance Controls

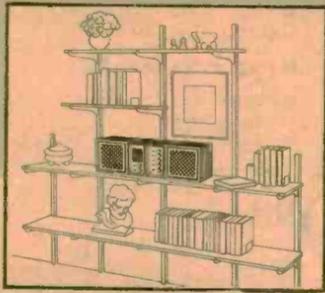
110 to 120 volts AC, 50/60 cps. Size: 10 1/4" W. x 3 1/2" H. x 8 1/2" D. Shipping weight 5 lbs.

Olson AM-353

## \$49<sup>98</sup>

**A Olson**  
**MINI**  
**STEREO SYSTEM**

Units accommodate almost any installation and space requirement. Amplifier and Tuner (below). Mini Speakers (page 13). DETAILS PAGE 11.



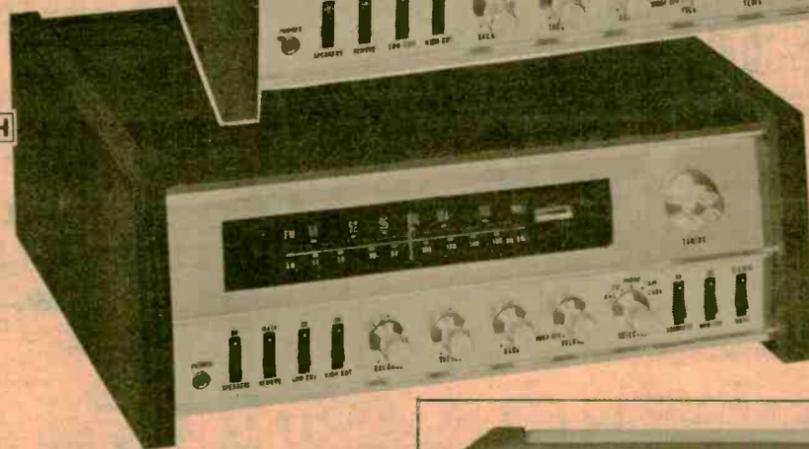
**B**



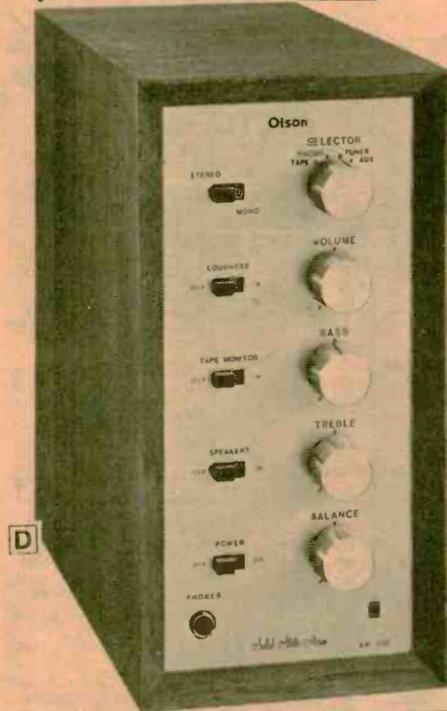
**C**



**F**



**H**



**D**



**E**



**G**



**I**

**Why Buy Components?**  
... because  
you get more  
**QUALITY SOUND**  
per dollar!



**FISHER 220 T RECEIVER**  
\$280.08 (Less Cabinet)



**SCOTT 342 RECEIVER**  
\$255.00 (Less Cabinet)



**J**

Add The Following Accessories  
To Increase Your Enjoyment



STEREO PHONES (Pg. 8)

PHONO (Pg. 17)

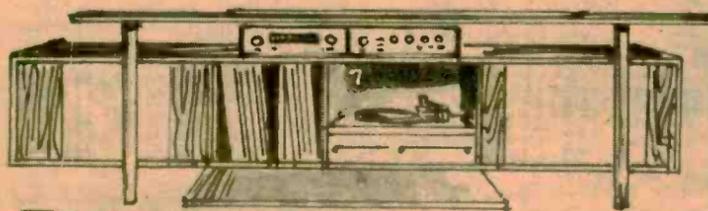
REMOTE SPEAKER (Pg. 13)

GUITAR (Pg. 6)

TAPE RECORDER (Pg. 5)

MICROPHONE (Pg. 21)

**Daverick's Riviera Model 800**  
Equipment Cabinet Only . . . \$454.00



**10**

**Modern Norsk - Design Scandinavian**  
Equipment Cabinet Only . . . \$495.00



**Barzilay 100 E/B**  
Equipment Cabinets Only . . . \$498.00

**TRADE-INS ACCEPTED**

## 4-Track AUTO STEREO TAPE PLAYER



★ Continuous Play—No Rewinding  
**\$35<sup>98</sup>**  
 Olson AU-96

**SPEAKERS FOR ABOVE**  
 Two heavy duty 5" speakers with chrome grilles.  
 KIT OF 2, No. S-730 **\$7.49**  
 KIT OF 4-5" PM Speakers with grilles and mounting hardware, No. S-862 **\$8.95**

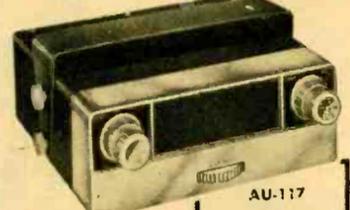
Use existing front and rear speakers or Hi-Fidelity Speakers below. Tape speed 3 3/4 IPS. Controls: Loudness Volume, Separation, Track Selector and Starting Lever. Amplifier: 12 transistors. Power Output: 6 watts (3 per channel). Size: 3 1/2" H. x 9 3/4" W. x 9 1/2" D. for 12 volts, negative ground. Less speakers. Shipping weight 13 lbs.

## RANGER Mini-8 STEREO TAPE PLAYER



★ Fine Tuning Adjustment  
 ★ Plays All Standard 8 Track Cartridges  
 ★ Response: 40-12,000 CPS  
 ★ Compact Only 5 3/4" W. x 3" H. x 7" D.  
 ★ 12 Watt Stereo Amplifier  
 ★ For 12 Volts DC, Neg. Gnd.  
 ★ Mounting Hardware Included  
 ★ Controls: Volume, Balance, Tone,  
 ★ Fine Tuning and Selector Button  
 Shipping weight 8 lbs.

## 8 Track AUTO TAPE PLAYER



★ 10-Watt Stereo Amplifier  
 ★ Automatic Channel Change  
 ★ Electric Motor Speed Control  
 In black and chrome. Installs easily. Automatic channel change or you may change manually to select a particular part of the tape. Dual 5 watt amplifiers delivers clear full range tone. Has the following controls, tone/on-off and balance. Motor has electronically controlled speed regulation. Response: 30 to 12,000 cps. Operates on 12 volts DC, neg. ground. Size: 7" x 8" x 2 3/4". Shipping weight 7 lbs.  
**\$42**  
 TAKE YOUR FAVORITE MUSIC WITH YOU!

AUTO SONIC

4 & 8 Track "Portamount"

## TAPE PLAYER



Olson RA-108

**\$99<sup>98</sup>**

\$10 Monthly

Size: 7" x 3 1/2" x 7 1/2". Shipping weight 10 lbs.

- Operates on 12 Volts DC or 117 Volts AC
- Built-in Speakers
- Convenient Carrying Handle
- Tone, Separation and Loudness Controls
- Black Simulated Leather/Chrome Trim
- Plugs Into Lighter Plug
- Manual and Automatic Channel Selector

## Compact Stereo 8 TRACK TAPE PLAYER



**\$69<sup>95</sup>** AU-122  
 \$7 Monthly

- Response: 50 to 15,000 cps.
- Only: 6 1/4" x 2 1/2" x 6" D.
- Two 5" Insta-Mount Speakers Incl.
- Stereo Balance Control
- 8 Watt Stereo Amplifiers
- Easy To Install
- Automatic Switching
- Operates on 12 Volts DC, Neg. Gnd.
- Shipping weight 9 lbs.

ORDER BY PHONE DAY or NIGHT  
 216-535-9191

## 4- AND 8-TRACK CARTRIDGE RECORDER



\$9 MONTHLY  
**\$139<sup>95</sup>**  
 Olson RA-19

★ Also Plays Tape Through Your Home Stereo System  
 Electronic Record Level Indicator. Foil Type Sensing Circuit Stops Recorder at End of Tape. Inputs for Crystal or Ceramic Mike, 4 Inputs + 2 Outputs. Operates on 110-120 volts AC 60 cps. Shipping weight 9 lbs.  
 GIDGET Adapts 4-Track Cartridge to Play on 8-Track Player, AU-119 \$2.95

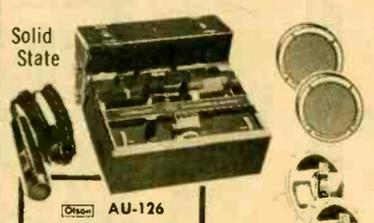
## MAYFAIR PORTABLE CARTRIDGE TAPE PLAYER



★ Battery or House Current  
**\$79<sup>95</sup>** RA-61  
 \$8 MONTHLY

- Dual Extension Speakers
  - 10 Solid State Devices
  - Automatic Program Rotation
  - Separate Volume Controls
  - Tone Control
  - Synchrobalance Control
  - Handle Locks Speakers To Player
- Size: 18 1/2" x 8" x 3 1/4". Shipping weight 11 lbs.  
 GIDGET Adapts 4-Track Cartridge to Play on 8-Track Player, AU-119 \$2.95

## CASSETTE STEREO RECORDER by MERCURY



Solid State  
**\$119<sup>95</sup>** AU-126  
 \$11 MONTHLY

- With Two Matched Speakers & Grilles
  - Uses Popular Cassette Cartridges
  - Stereo Play—Mono Record
  - Capstan Drive
  - Fast Forward And Rewind
  - Record Safety Button
  - Includes Mike and Mtg. Bracket
  - Automatic Level Control
- Size: 2 1/2" x 6 1/4" x 7 1/8". Operates on 12 volts DC Pos. or Neg. Gnd. Shipping weight 6 lbs.

## LEAR-JET Stereo Auto TAPE PLAYER



★ Plays Lear-Pak 8 Track, Endless Play Cartridge  
**\$99<sup>98</sup>** AU-123  
 \$10 MONTHLY

Inserting the tape cartridge into the front of the player automatically turns the unit on. The press of a button permits program selection and the entire tape plays endlessly. "Fly-wheel" direct drive motor assures exact and unvarying speed for quality reproduction. Only one moving part for unparalleled reliability and long life. Only one power lead to any 12 volt DC, negative ground system. Shipping weight 18 lbs.

## MUNTZ AR-500 4 TRACK STEREO CARTRIDGE RECORDER and PLAYER



**\$179<sup>95</sup>** RA-968  
 \$12 MONTHLY (Less Speakers)

- Record From: Phono, Tuner, Recorder, Etc.
  - Dual VU Meters
  - Separation and Tone Controls
  - Handsome Metal Cabinet
  - Operates on 110-120 Volts AC, 50/60 cps.
  - Plays Pre-recorded 4 Track Tapes
  - Size: 14" W. x 14" D. x 4" H.
  - Shipping wt. 40 lbs.
- SEE PAGE 13 FOR SPEAKERS  
 32 Min. Blank Tape Cart. TA-219 \$2.50  
 1 Hr. Blank Tape Cartridge, TA-249 \$4.98  
 Speakers, See Description Page 13  
 Olson S-931 2 for 29.00. Ea. \$14.98

## ROBERTS Reel/Cartridge STEREO RECORDER



★ 8-Track Stereo Cartridge Record & Play  
 ★ Records From Reel Tapes to 8-Track Cartridges  
**\$339<sup>95</sup>** RA-846  
 \$17 MONTHLY

Record your own 8-track stereo cartridges from reel tapes or any other program source such as radio, TV, phono, etc. Roberts recorder functions as a standard recorder also. Has 2 operating speeds. Records 4-track stereo and monaural reel to reel. Includes two microphones and complete operating instructions. Response: 40-18,000 cps. at 7 1/2 ips. Size: 14" W. x 17" H. x 7 1/4" D. Operates on 110 to 120 volts AC, 60 cps. Shipping weight 50 lbs.  
 Roberts Model 778X Features Cross-Field Heads for Superior Response Olson RA-106 \$429.95  
 Blank 8-Track Cartridge Tape 32 minute recording time No. TA-248 \$2.99

## AUTOMATIC 4 & 8 TRACK TAPE PLAYER



**\$119** RA-53  
 \$11 MONTHLY (LESS SPEAKERS)

- Contemporary Low Silhouette
  - Luxurious Walnut Finish
  - Brushed Aluminum Panel
  - Twin Solid State Amplifiers
  - Pre-Amp Outputs
  - Instant Automatic Play
  - Automatic Electronic Program Change
  - Response: 50 to 15,000 cps.
- Size: 14 1/2" W. x 4 1/2" H. x 10" D. Operates on 110-120 volts AC, 60 cps. Shipping weight 21 lbs.  
 SEE PAGE 13 FOR SPEAKERS

## 4 & 8 TRACK AUTO STEREO TAPE PLAYER



**\$79<sup>99</sup>** RA-981  
 \$8 MONTHLY

★ Positive/Negative Ground  
 Easily installed in any 12 volt vehicle to play either 4 or 8 track stereo tapes. Insertion of the tape cartridge turns the unit on and removing the cartridge turns it off. Illuminated dial indicates which channel is being played. Response: 40 to 12,000 cps. 14 watts output (7W. per channel). Electrically governed motor with heavy flywheel and capstan drive. Size: 7 1/2" W. x 2 3/4" H. x 8" D. Shipping weight 13 lbs.  
 KIT OF 4-5" PM SPEAKERS With Grilles and mounting Hardware. No. S-862 **\$8.95**  
 4 and 6 TRACK PLAYER with built-in FM Radio Neg. Gnd. Only **\$129.95** Olson RA-28  
 Multiplex Adapter, Olson RA-29 \$29.98

## Universal 8 TRACK CARTRIDGE TAPE DECK

- Plays Through Your Home Stereo System
- Walnut Wood Cabinet



**\$149<sup>95</sup>** RA-44  
 \$9 Monthly

Channel Indicator Lights • Push-Button Operation • Fast Forward • Automatic Shut-Off • Continuous Play Feature • 9-Transistor Circuit • Includes Connecting Cables • Operates on 110 to 120 volts AC, 60 cps. Size: 10 1/4" W x 10 3/4" D. x 5 3/4" H. Shipping weight 16 lbs.  
 GIDGET Adapts 4-Track Cartridge to Play on 8-Track Player, AU-119 \$2.95

## FM-AM Cartridge Tuner



**\$49<sup>95</sup>** RA-62

- FOR ALL 4 AND 8 TRACK PLAYERS
- No Complicated Installation
- Slips In And Out Like A Tape Cart.
- Excellent Sensitivity
- Built-In AFC
- Molded Antenna Extension
- Self Contained Battery (Not Incl.)
- Shipping weight 1/2 lb.
- Plays Through All Speakers
- Battery for above, Olson BA-89 \$21c

## CARTRIDGE DUST COVERS



★ Handy Snap-On Covers  
 ★ Protects Valuable Tapes  
 ★ Keeps Tape Player Heads Clean  
 Shipping weight 1/4 lb.  
**10 89<sup>c</sup>** PKG. OF TA-535

## RECOTON PROTEK TAPE KIT



★ For Auto Tape Players  
 ★ Cleaner & Lubricant  
**\$1<sup>99</sup>** HF-98  
 Includes special tools to apply brush cleaner and lubricant. Special brush removes oxide from tape head without damage to head. Shpg. wt. 1/4 lb.

## 8 TRACK TEST CARTRIDGE



★ Professional Method  
**\$4<sup>95</sup>** TA-536  
 • Check Frequency Response  
 • Check Tape Tracking • Check Volume Balance • Check Program Identification  
 • Check Automatic Switching  
 Shipping weight 1 lb.

## CLEANER TAPE CARTRIDGES



4 TRACK Olson TA-458  
 8 TRACK Olson TA-457  
**\$1<sup>95</sup>** YOUR CHOICE  
 Cleans Tape Heads Automatically  
 Just slip into tape player like a regular recording tape. Can be used over and over.

## TAPE CARTRIDGE HOLDERS



★ 2 Holders—Holds 6 Tapes  
**\$1<sup>69</sup>** TA-537  
 • Installs in Seconds • Attach To Any Surface • Keeps Tapes At Your Fingertips. Shpg. wt. 1 lb.

## Head Demagnetizer



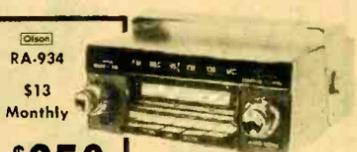
★ Protect Tape Cartridges  
 ★ Easy To Use—Just Plug Into Cigarette Lighter  
**\$5.98** TA-504  
 • 12 Volt Neg. Gnd. • Storage Case Included  
 • Solid State Circuit • Shpg. Wt. 1 lb.

## SPEAKERS FOR TAPE PLAYER



**\$7<sup>49</sup>** KIT OF 2  
 With Grilles No. S-730  
 ★ Replace Old Speakers  
 ★ Improves Tone Quality  
 Two heavy duty 5" speakers with chrome grilles, mounting hardware and instructions. Mounts anywhere. Speakers have powerful ceramic magnets. Shipping weight 5 lbs.

## 8 Track Tape Player WITH FM MULTIPLEX RADIO



**\$250** RA-934  
 \$13 Monthly  
 ★ Complete Auto Music Center

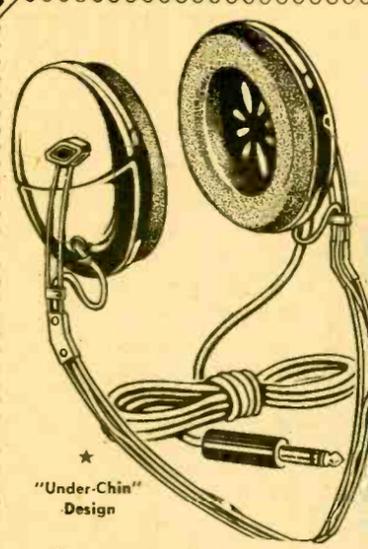
Has power indicator and FM stereo indicator lights, volume, tone, and separation controls, push button controls for FM, FM/MPX. Tape and channel selection. Automatic start and automatic/manual channel switching. Chrome and black front with walnut inserts. Operates on 12 volts DC, neg. ground. Shipping weight 18 lbs.  
 GIDGET Adapts 4-Track Cartridge to Play on 8-Track Player, AU-119 \$2.95  
 James J. Routson, 3436 Guilford Drive, Milwaukee, Oregon 97222; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

## BULK TAPE ERASER



★ For Reels & Cartridges  
**\$12<sup>50</sup>** TA-147  
 3 @ \$12 Each  
 Will erase any magnetic recording tape from 1/4" to 1" width. Housed in rugged case with Power Switch. Spindle and AC cord. For 110-125 volts AC. Size: 4 3/4" x 4" x 2 3/4". Shipping weight 10 lbs.

**Olson**



**Olson STEREO Headphones**

**Olson COUPON SALE**

Reg. ~~14.99~~  
**\$9.99** PH-136

★ "Under-Chin" Design

No uncomfortable head-band to rearrange your hair. Miniature loudspeakers are cupped gently over each ear. Soft foam cushions shut-out unwanted room noises and add to your listening comfort. Response: 40 to 15,000 cps. Impedance: 8 ohms. Includes cable with 3-circuit, 1/4" plug. Shipping weight 3 lbs.

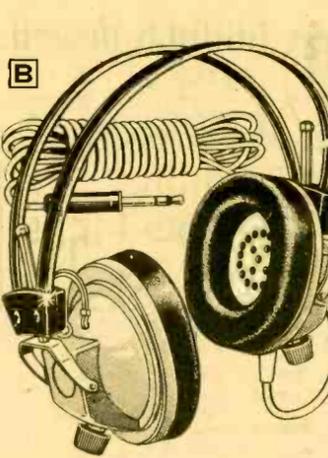
**A Olson STEREO HEADPHONES**



Feature soft padded ear cushions. Response: 20 to 15,000 cps. Use with 4, 8 or 16 ohm outputs. Includes cable with plug. Shipping weight 3 lbs.

**Olson PH-140 ..... \$10.98**

**B Olson STEREO HEADPHONES**



Individual volume controls on each phone make balance and volume adjustments easy and convenient. Phones are padded for extra comfort and are equipped with a 7 ft. flexible cord and standard three-circuit plug. Response 30 to 15,000 cps. Impedance: 8 ohms. Shipping weight 3 1/2 lbs.

**Olson PH-82, 2 for \$30 \$15.98**

**WALNUT CABINET**



**C Olson STEREO HEADPHONE AMPLIFIER**

ENJOY FULL FIDELITY STEREO WITHOUT LOSS OF SEPARATION

★ Response: 20 to 30,000 cps

10 Transistor Circuit. Input for Mag. or Crystall Phono. Response: 20 to 30,000 cps. Size: 7 1/2" W. x 3 1/4" H. x 4 3/8" D. Operates on 110-120 volts AC. 50/60 cps. Shipping weight 3 lbs.

**Olson AM-311 \$24.95**

**D Koss Stereo Headphones**



Response: 30 to 15,000 cps. Impedance: 4 ohms. Equipped with 8-ft. cord and stereo plug. Shipping weight 3 1/4 lbs.

**Olson PH-30 \$19.45**

20 Ft. Extension Cord, MF-56... 3 for \$7

**E Koss Pro-4A Stereo Phones**



Fluid-filled cushions seal out noise. Dynamic transducers. Shatterproof construction. 20-20,000 cps. 4-16 ohms. 10' retractable cord. Shpg. wt. 2 lbs.

**Olson PH-132 \$49**

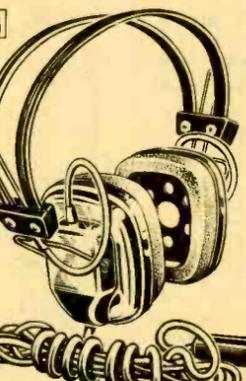
**F Koss Stereo Headphones**



★ Washable Vinyl Ear Cushions  
★ Foam filled ear cushions standard 3-circuit plug. Shipping weight 3 1/2 lbs.

**Olson PH-117 \$26.50**

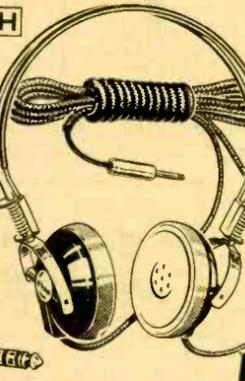
**G Olson Stereo Headphones**



High impedance, 10,000 ohms. Connect to pre-amp outputs. Resp.: 30-16,000 cps. Shipping weight 3 lbs.

**Olson PH-145 \$13.99**

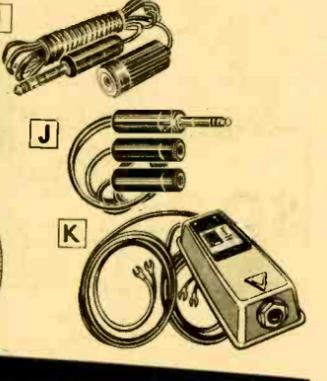
**H Olson Headphones**



8 ohm. 1/4" phone plug. Shpg. wt. 1/2 lb.

**Olson PH-27, 12 @ \$2 ea. Ea. \$2.86**

**I 20 FT. EXTENSION CORD**



For Stereo Headphones. Three conductor cable with gray vinyl jacket. 1/4" 3-circuit plug on one end, 3-circuit jack on the other end. Shipping weight 3 1/2 lbs.

**Olson MF-56 3 FOR \$7**

**J Stereo Headphone Y Adapter**



For Dual hookups, 36" cable has two 3-circuit 1/4" jacks on one end and one 3-circuit 1/4" plug on the other. Shipping weight 1 lb.

**Olson PH-116 \$3.49**

**K Stereo H'dphone Junction Box**



With 36" leads. Has selector switch. Connect to any amplifier. Shipping weight 1/2 lbs.

**Olson PH-83 \$2.49**

**STEREO HEADPHONE CONTROL CENTER**



★ 6 Ft. Cable  
★ Separate Right & Left Volume Controls  
★ Standard 3 Circuit Plug & Jack  
Size: 2 3/4" x 1 3/4" x 2". Shipping weight 1 lb.

**Olson PH-146 \$3.49**

**ALTEC LANSING PRODUCTS**

**SPEAKER ENCLOSURE**

- ★ Bass Reflex Design
- ★ Oiled Walnut Finish
- ★ For 15" or 12" Speakers
- ★ Provisions For Mounting Tweeter

Size: 24" H. x 22 5/8" W. x 18" D. Shipping weight 60 lbs.

(Less-Speaker) **\$99.98**

CA-382 \$10 MONTHLY

15" ALTEC LANSING SPEAKER (see pg. 12) 5-865 \$99.50

**Olson WEATHER-PROOF SPEAKER**



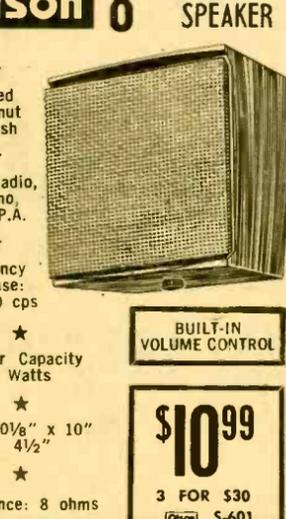
- ★ Metal Cabinet
- ★ Built-In Volume Control
- ★ "X" Air Type Speaker

Perfect outdoor hi-fi speaker. Fully weather-proof with "indoor tone quality." Features a full range "X"-air speaker with powerful ceramic magnet. Specially treated speaker cone is suspended from the frame by a soft cloth annulus. Size 7" x 7" x 3 1/4". Impedance: 8 ohms. Response: 50 to 16,000 cps. Power capacity: 3 watts.

**\$9.99**

Olson S-797

**Olson 8" EXTENSION SPEAKER**



- ★ Oiled Walnut Finish
- ★ For Radio, Phono, TV, P.A.
- ★ Frequency Response: 50-9,000 cps
- ★ Power Capacity 4 Watts
- ★ Size: 10 1/8" x 10" x 4 1/2"
- ★ Impedance: 8 ohms Shpg. wt. 5 1/2 lbs.

**BUILT-IN VOLUME CONTROL**

**\$10.99**

3 FOR \$30 (Olson) S-601

**Olson 2 3-WAY SPEAKER SYSTEMS**



- ★ Two complete STEREO Systems
- ★ Extremely Low Frequency

**ALL 6 FOR \$29.98**

Olson S-509

12" woofers contain phenolic voice coil forms for extreme low frequency. The 6" x 9" speakers provide the all important mid-range while the 3" x 5" tweeters go up to 18,000 cps. 8 ohm, 30 watt music power. System consists of two 12" woofers, two 6x9 super flexedge midrange speakers and two 3 x 5 totally enclosed tweeters, complete crossover networks, and all necessary wire, and hardware. Shpg. wt. 17 lbs.

**Olson HORN TWEETER**



- ★ 20 Watts
- ★ Cast Aluminum Horn
- ★ 1,000 cps to 18,000 cps

**\$7.99**

S-928

Extremely low frequency response eliminates the need for a mid-range speaker. New principle provides perfect dispersion of high frequencies through a 120° solid angle, 8 ohms. Size: 4" H. x 10 1/2" W. x 11" L. Shpg. wt. 4 lbs.

K. Zube, 3711 S. 52nd, Milwaukee, Wis. 53219; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

**Olson SPEAKER BAFFLES**



- ★ Scuff Resistant and Washable
- ★ May be Painted, Varnished,
- ★ For Paging, P.A., School Rooms, Offices,

**8" BAFFLE (Less Speaker)**  
10 1/2" x 9 3/4" x 6 1/2"  
Blonde No. CA-216 \$5.49 Lots of 6,  
Walnut No. CA-259 \$6.19 Each \$5.19  
Shipping Wt. 4 1/4 lbs.

**12" BAFFLE (Less Speaker)**  
14" x 13 3/8" x 9 1/8"  
Blonde No. CA-215 \$6.49 Lots of 6,  
Walnut No. CA-217 \$6.19 Each \$6.19  
Shipping wt. 2 1/4 lbs.

8" Speaker, No. S-548, 2 for \$11.50, Ea. \$5.98  
12" Co-Ax Speaker, No. S-311 \$11.99  
12" Speaker, No. S-794 \$6.99  
Line Trans., No. T-110 Ea. \$1.79  
Speaker Cable, No. W-361 (53ft.) 99c

**BUILD-IT-YOURSELF SPEAKER CABINET KIT**



Each Panel Locks Together With Metal Splines To Guarantee Professional Looking Finish

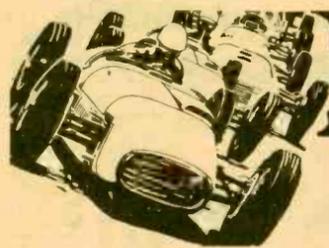
**\$15**

Olson CA-372

You can build your speaker cabinet and still have a professional factory finish. All wood surfaces have beautiful walnut veneer. Matching grille cloth is already mounted. Even the fiberglass is installed. Each precisely cut panel locks together with metal splines to guarantee perfect corner alignment. Baffle board is pre-cut for one 8" speaker and one 3" tweeter. A cover is provided for the 3" opening if you don't use a tweeter. Size: 12 1/4" x 13 3/8" x 10 3/8". Shpg. wt. 14 lbs.

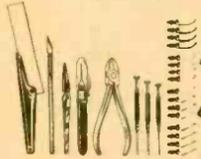
8" "X-AIR" SPEAKER, No. S-786 \$13.98  
8" CASTLE BELL SPEAKER, S-548 \$5.98

**Olson Electronics AKRON, OHIO**



# SLOT CARS and ACCESSORIES

## STROMBECKER HOBBY TOOL SET



**3<sup>99</sup>**  
SL-88

A real modeler's set. Everything required for plastic model car work. Includes tweezer, screw-driver set, side-cutter, needle-point oiler, hand-saw, razor knife with 16 assorted replacement blades. Shipping weight 2 lbs.

## PRECISION FILES

- ★ Set of 4
- ★ For Hobbyists, Jeweler, Watchmaker, Toolmaker

**\$2<sup>49</sup>**  
TL-498

- Includes Triangle, Square, Flat & Round Types
- Handy Carrying Case
- 5 1/2" Long
- Ideal For Printed Circuit Repair
- Shipping weight 1/4 lb.

### HOBBY KNIFE

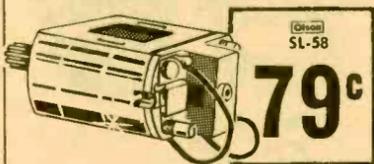
HOME OFFICE HOBBY

**\$1**

2 FOR...  
With Any Order For \$5 Or More Separately \$1.16

Collets are color-coded for easy identification. Complete with 8 blades. Shipping wt. 1/4 lb.

## Revell SP-80 and SP-90 SLOT CAR MOTORS



**79<sup>c</sup>**  
SL-58

REVELL SP-80, Popular Can type. Replaces: Cox TTX 150, Classic CM 160, Monogram X-110. Shipping weight 1/4 lb.

Visual Tech., 7016 Euclid, Cleveland, Ohio 44103; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

### russkit 34 Motor

"It's A Bear"

**49<sup>c</sup>**  
SL-59

Replaces Revell SP 90 and other similar size motors with slight frame modifications

Has four tapped screw holes for fast easy mounting. Extremely high torque. Self-aligning bronze bearings. Size: 2 1/4" (incl. shaft x 3/32" H. x 1 1/4" W. Shipping weight 1/4 lb.

### PITMAN BOATMASTER Hobby Motor

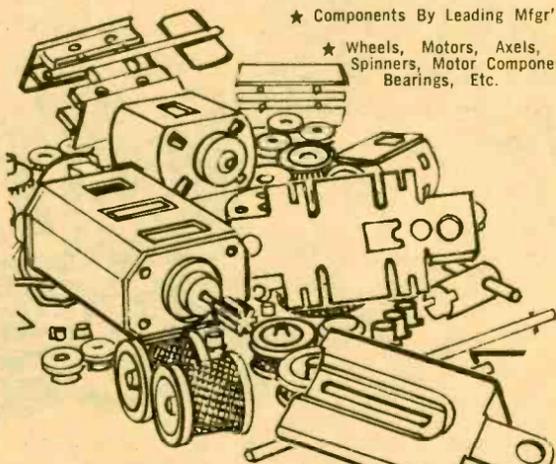
★ 6 Volts DC  
★ Fuse Protected

**99<sup>c</sup>**  
MO-207  
4 for \$3

- ★ Bronze Bearings
- ★ Fahnestock Clip Terminals
- ★ Easy Access To Commutator And Brushes
- ★ 1/8" Dia. x 3/8" Shaft
- ★ Over All Size: 2 1/4" Dia. x 2 1/4" Shipping weight 1/4 lb.

## SLOT CAR SURPRISE KIT

- ★ Components By Leading Mfr's.
- ★ Wheels, Motors, Axels, Spinners, Motor Components, Bearings, Etc.



A generous supply of the most often needed parts for the slot-car builder. Includes many high quality brass gears, a set of wheels and axels. Kit also includes three hobby motors. Shipping weight 2 lbs.

**OLSON LOW PRICE**  
**\$3<sup>98</sup>**  
SL-116

### EPOXY GLUE

OLSON TL-481

Bonds iron, steel, china, aluminum, wood, ceramics, most plastics. Shipping weight 1/4 lb.

### MABUCHI Miniature Hobby Motors

★ All 3 to 4 Volt DC  
★ Reversible ★ Threaded Mtg. Hole. Shpg. wt. 1/4 lb.

OLSON MO-148 1 3/8" W. x 1 1/8" H. x 1 1/2" L. 1/16" shaft dia. \$2 **49<sup>c</sup>**

OLSON MO-147 1" W. x 1 1/8" H. x 1 1/4" L. 1/16" shaft dia. \$1 **39<sup>c</sup>**

OLSON MO-168 7/8" W. x 3/4" H. x 1 1/4" L. 1/16" shaft dia. \$1 **29<sup>c</sup>**

### CLASSIC FRONT WHEELS & TIRES

★ Mag Wheel

★ 1 1/2" Dia. x 1/4" W.

★ Threaded Hubs

Shipping wt. 1/4 lb.

**88<sup>c</sup>**  
PAIR  
SL-113

### CHAMPION REPLACEMENT MAGNETS

OLSON SL-69

Package of 5 replacement magnets for Mabuchi 16D motors. Restores full power to tired motors. Shipping weight 1/4 lb.

**99<sup>c</sup>**  
PKG. OF 5 PAIR

### STEEL TABLE FRAME

★ All Purpose

**\$6<sup>49</sup>**  
KB-98

Predrilled. Table top not included. Two or more frames may be combined. Size: 22 1/2" x 47 1/2" x 34" high. Prefinished. May be shipped parcel post. Shipping weight 17 1/4 lbs.

### PRO-CONTROLLER

SL-8

**\$2<sup>99</sup>**

Designed for split-second control and comfortable use. Features built-in braking action, cool vented Delrin case and sensitive thumb control. Replaceable 12 ohm resistance unit-cable and alligator clips. Shipping weight 1 lb.

### 3 VOLT HOBBY MOTOR

★ Bronze Bearings  
★ Powerful Ceramic Magnet

Overall size: 1 1/4" dia. x 1 1/4" long (excluding mtg. bracket). Has 3/32" dia. shaft extending 3/8" from front of motor. Operates on 3 V. DC. Shpg. wt. 1/4 lb.

OLSON MO-169, 4 for \$2 ..... **59<sup>c</sup>**

### MABUCHI COMMUTATORS

OLSON SL-68

Package of 6 replacement commutators for Mabuchi motors. .078 bore for motor number 16D, 26D and Russkit 22 and 23. Shipping weight 1/4 lb.

**99<sup>c</sup>**  
Pkg. of 6

### 10 VOLT POWER SUPPLY

OLSON X-26

110 to 120 V. AC  
Size: 4 1/2" x 2 1/4" x 2". Shpg. wt. 3 lbs.

**\$1<sup>50</sup>**

### Electric LAP COUNTER

★ 0-50 Laps

OLSON SL-87

**\$1<sup>99</sup>**  
3 for \$5.37

Solenoid operated counter operates on 8-24 volts DC. Counts 0-50 laps without slowing cars. Size: 3 3/4" x 4 1/2" x 1 1/4". Shipping weight 1 lb.

### 3-CIRCUIT 1/4" PLUGS

Commonly used on slot car controllers. Standard 1/4" dia. barrel. Shipping weight 1/4 lb.

OLSON PL-146, 4 for \$5, \$1.39

### Precision MOTOR WIRE

★ Rewind Motor for Improved Performance

★ 1/4 lb. spool. Shpg. wt. 1/2 lb.

27 gauge, W-554; 28 gauge, W-555; 30 gauge, W-556; your choice.....\$1.39 each

### HO Gauge Slot-Cars

Mustang OLSON SL-92

Jaguar OLSON SL-93

**YOUR CHOICE \$1<sup>99</sup> EACH**

- ★ Completely Assembled
  - ★ Your Choice — Mustang or Jaguar
  - ★ High Torque Motors
  - ★ Perfectly Detailed Bodies
  - ★ Soft Rubber Tires
- Shipping weight 1/4 lb.

### SLOT CAR OILER

- ★ Flexible Container
- ★ Ideal for lubricating slot car wheels and bearings. Flexible acetate container. Shipping weight 1/4 lb.

OLSON SL-20 ..... **ONLY 59<sup>c</sup>**

### "LOW VOLTAGE" Soldering Unit

Weller

TL-501

**\$19<sup>50</sup>**

- Total Weight of Iron—3 oz.
- Unlimited Heat to 700° Continuously
- Weight at Point of Solder only 1 3/4 oz.
- ★ For Advanced Hobbyist and Experimenters
- ★ World's Finest Soldering Instrument
- ★ Make Solder Joints Like The Astro Scientists
- ★ Forget Wattle Concept—Maintains Heat Even when Applied to Cold Metal
- Operates on 110-120 volts AC. 50/60 cps. Shipping weight 4 lbs.

## Olson SECURITY DEVICES FIRE & BURGLAR



### BURGLAR & FIRE ALARM

OLSON

No. SW-391

**\$19<sup>98</sup>**

This easy to install system protects your home or business against fire and theft. Operates 24 hours a day on its own power supply. (No power is used unless alarm is activated.) Kit includes motor type siren, 1 fire sensing switch, 1 door or window switch, 1 master switch, 1 door override switch, terminal block, battery holder and 100' of wire. Complete with instructions. Shpg. wt. 6 lbs.

Extra Fire Sensing Switch, No. SW-392 ..... **\$4.98**

Extra Door/Window Switch, No. SW-393 ..... **\$1.98**

### PHOTO ELECTRIC RELAY SYSTEM

OLSON

**\$19<sup>95</sup>**  
SW-364

- ★ Infra-Red Filter for "Invisible Light" Operation
  - ★ Range to 49 Feet ★ Self-Powered
- Can signal persons entering a room, count people, merchandise or function as an effective alarm system. Includes light source and receiver. Size of each unit, 6" x 4 1/2" x 3". Operates on 110 to 120 volts AC, 50/60 cps. Shipping weight 6 lbs.

### BURGLAR and FIRE ALARM

OLSON

★ Protects Family and Home Against Fire and Theft.

No. SW-401

**\$15<sup>98</sup>**

- ★ Battery Operated
  - ★ 115 Degree Heat Sensor
  - ★ Motor Type Siren
  - ★ Hangs on Wall Mount or Desk
- Shipping weight 2 lbs.

### BURGLAR ALARM

OLSON

★ Easy to Install  
★ Battery Oper.

X-46

**\$2<sup>99</sup>**  
3 for \$8.37

Attaches easily to hinge edge of door. When door is opened the alarm sounds. Off-on switch deactivates alarm when desired. Size 2 1/4" x 2 1/2" x 3/4". Shipping weight 1 lb.

Battery for above, (1 req'd.) No. BA-67 ..... **8 for 59<sup>c</sup>**

# FREE! Genuine Cultured PEARL

... WITH EACH \$10 WORTH OF MERCHANDISE PURCHASED FROM OLSON ELECTRONICS

- \$10 ORDER — 1 PEARL
- \$20 ORDER — 2 PEARLS
- \$30 ORDER — 3 PEARLS
- \$50 ORDER — 5 PEARLS
- \$100 ORDER — 10 PEARLS

**NO LIMIT**

Offer Does Not Apply To Fair Trade Items

## BUILD YOUR OWN REVERB SYSTEM

**\$2<sup>99</sup>**  
X-75

- ★ Complete Delay Line
- ★ For Home or Auto
- ★ Schematic included for Balance of Circuit
- ★ Up to 1.7 Milli-Seconds Delay

- ★ Can Be Used for Echo Chamber
- ★ 8 Ohm Input, Hi-Impedance Out
- Size 5 3/4" L. x 1 1/2" H. x 7/8" D. Shipping weight 1/4 lb.

**Olson COUPON**

# SALE SALE

**Olson X-35**  
ELECTRIC GUITAR  
**\$21**

Adjustable Guitar Strap No. X-60 \$3.50

One pick-up solid body electric guitar. Double cut-away, 19 frets. Adjustable bridge. Shpg. wt. 11 lbs.

**Olson JENSEN COUPON**  
GUITAR SPEAKER  
15" **\$19.98**

REG. \$34.98

- ★ Unprecedented Ruggedness
- ★ Correct Musical "Voicing"
- ★ For Full Bass

Shipping weight 6 lbs.  
MORE SPECIFICATIONS BELOW

**Olson GUITAR MIKE**

Mounts under strings. High impedance. Has tone and volume controls. Fits f hole opening. With 8 ft. plug-in cable. Shpg. wt. 2 1/4 lbs.

**\$6.95**

M-161

**Olson 12 FT. GUITAR CABLE**

**\$2.49**

HF-90

Has a 90° 1/4" phone plug on each end. Shpg. wt. 1 lb.

**20" STRETCH CABLE with 1/4" phone plugs.**  
W-540 **\$3.79**

**Olson MAGNETIC GUITAR MIKE**

★ Tone and Volume Controls

Four guitars with steel strings and round hole opening. Chrome plated. 9 1/2" cable with plugs. Size 1 5/16" x 5 1/2" x 7/16". Shipping weight 1 1/2 lbs.

**\$5.50**

M-222

**Olson GUITAR MIKE**

Six foot cable with phone plug on each end. Shipping weight 1 1/2 lbs.

**\$2.99**

M-186

**FM TRANSMITTER PLUG**

**\$9.98**

RA-57

- ★ Complete Transmitter In A 1/4" Plug
- ★ Solid State Circuitry
- ★ Transmits To Any FM Radio
- ★ Ideal For Cordless Electric Guitar

Shipping weight 1/4 lb.  
Battery For Above (1 Req'd), BA-126, Pkg. 6 **\$1.92**

**DYNAMIC MIKE**

★ Response: 40-13,000 cps  
★ 50K Ohm Impedance

★ ON-OFF SWITCH  
★ Output—52 db

**\$9.98**

M-295

★ 6 FT. CABLE

**GUITAR PITCH PIPE**

Tones are E-A-D-G-B-E. Size: 2 1/4" x 1 1/4" x 3/8". Shipping weight 1/4 lb.

No. X-42 3 for \$4.20 \$1.50  
Set Guitar Picks, 6 flat-2 thumb. X-59 69c

**Olson JENSEN GUITAR SPEAKERS**

- ★ Unprecedented Ruggedness
- ★ Correct Musical "Voicing"
- ★ FOR FULL BASS

**\$34.98**

★ SALE! — Above, Reg. \$34.98

**Olson** **NEW** "Fuzz Sound"

- ★ Produces Special Sound Effects
- ★ Use With Any Electric Guitar
- ★ Simulates Wind Instrument Tones

**\$14.95**

X-78

- ★ Easy Plug-in Connection
- ★ "Fuzz" On-Off Foot Switch
- ★ Volume and Fuzz Controls

Size: 5 1/2" x 3 1/2" x 2 1/4".  
Shipping weight 1 3/4 lbs.

Battery for above, (1 req'd.) No. BA-67 **8 for 59c**

**Piggy-Back GUITAR AMPLIFIER**

**\$89.98**

AM-356

**\$9 MONTHLY**

- 2-8" PM Speakers
- 35 Watt Amplifier
- 3 Guitar Inputs
- Tremolo & Reverb • Volume, Bass, Treble, Depth and Speed Controls • Amp. Size: 16 1/2" x 6 1/2" x 7 1/2" • Speaker Size: 25" x 16" x 8"

Operates on 110 Volts AC 50/60 cps.  
Shipping weight 30 lbs.

**Olson REVERBERATION AMPLIFIER**

**\$19.98**

RA-844

STEREO PAIR \$38

- ★ Walnut Cabinet

Olson RA-844 incorporates a transistorized amplifier and reverberation unit. Two controls are provided to control the amount of reverberation and volume. Just plug microphone, phono pick-up, guitar, etc. into the Olson RA 844 and the output of the reverberator into your amplifier. No wiring or complicated hook-up necessary. Operates on a self-contained 9 volt battery. Size: 7 1/4" W. x 3" x 4 1/4" D. Shpg. wt. 2 lbs.

Battery for above, (1 req'd.) BA-89 .21c

**Olson GUITAR-AMPLIFIER**

15 WATT  
★ Solid State Circuitry

**\$44.44**

AM-324

Has built-in reverb with control. Also has tremolo with speed and depth controls. Additional controls include: volume, tone, AC battery switch and off/on switch. Input jacks for two guitars. A jack is also provided for a foot switch to turn the tremolo off and on. Pilot light operates with AC switch. Sturdy wood cabinet is covered with black vinyl and has handle. Size: 16" x 13 1/2" x 6 1/2". Operates on 110-120 volts AC. 50/60 cps. or "D" size batteries. Shipping wt. 13 lbs. Batteries for above, 8 req'd. BA-53 EA. 13c

**Olson GUITAR-AMPLIFIER**

- ★ Built-in Tremolo

**\$37**

AM-299

OPERATES ON BATTERY OR HOUSE CURRENT

- ★ All transistor Circuit

12 watt solid state amplifier. Has separate depth and speed controls. Has inputs for two guitars. 110 to 120 volts AC. 50/60 cps. or 8 "D" size batteries (not included). Size: 13 1/2" H. x 11 1/4" W. x 5 3/4" D. Shipping wt. 12 lbs.

E. M. Hellman, Custer Radio & TV, Rt. 1 Box 38, Custer, S. Dak. 57730; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

**HOLLOW BODY ELECTRIC GUITAR**

INCLUDES CASE

- ★ 2 Pick-up
- ★ Tone & Volume Controls
- ★ Plays With or Without Amplifier
- ★ Plastic Pickguard. Shpg. wt. 10 lbs.

**\$49.99**

X-53  
OLSON LOW PRICE

**SOLID BODY ELECTRIC GUITAR**

With torsion bar tremolo. 3 magnetic pick ups. Completely adjustable 2-way bridge. Volume and tone control. Size 42 1/2" L. x 14" W.—21" neck, 21 frets. Shipping weight 11 lbs.

**\$54.98**

X-71  
\$7 MONTHLY

**COMPLETE ELECTRIC GUITAR SYSTEM**

**\$69.98**

less case  
\$7 MONTHLY

- ★ Three Pick-up Guitar
- ★ 3 Tube Amplifier
- ★ Torsion Bar Tremolo
- ★ Adjust. Bridge
- ★ Vol. & Tone Controls

Shpg. wt. 23 lbs.  
**SAVE \$14.95**

From Individual Catalog Prices:

Complete Set of Strings for Electric Guitar, No. X-41 \$2.98  
Amplifier separately, wt. 12 lbs. AM-293, 3 @ \$27, Ea. \$29.95  
Guitar Separately, X-71 \$54.98  
Vinyl Case for Guitar, Olson CA-321, \$9.95

**Electric BASS GUITAR SYSTEM**

**\$86**

less Case  
\$9 MONTHLY

- ★ Dual Speakers
- ★ 3 Guitar Inputs
- ★ Adjust. Pickup
- ★ Adjust. Bridge
- ★ Steel Reinforced Neck
- ★ Plastic Pick Guard

Shpg. wt. 26 lbs.

**SAVE \$12.96**

From Individual Catalog Prices:

Amplifier separately, wt. 14 lbs., AM-338 \$44.98  
Guitar separately, wt. 12 lbs. X-26, 3 @ \$46, Ea. \$54.98  
Vinyl Case for Guitar, Olson CA-321 \$9.95  
2 Pick-up Bass Guitar, Olson X-72 \$79.98

**Olson JENSEN GUITAR SPEAKERS**

- ★ Unprecedented Ruggedness
- ★ Correct Musical "Voicing"
- ★ FOR FULL BASS

**\$34.98**

★ SALE! — Above, Reg. \$34.98

Type	Size	Magnet Wt.	Voice Coil			Stk. No.	Price
			Imp.	Watts	Dia.		
A Bass Guitar	15"	27 oz.	8	60	1 1/2"	5-961	\$34.98
A Guitar full range	15"	27 oz.	8	60	1 1/2"	5-711	\$19.98
B Bass Guitar	12"	16 oz.	8	50	1 1/2"	5-712	\$24.98
B Guitar full range	12"	16 oz.	8	50	1 1/2"	5-713	\$24.98
C Guitar full range	10"	10 oz.	8	30	1"	5-674	\$17.56

Electronic musical instrument loud speakers are highly special devices designed to give (1) exactly the correct musical quality or "voicing" required for the instrument; (2) the power capacity to reproduce the characteristic wave shapes of the instrumental notes without distortion at loud volumes, and (3) unprecedented ruggedness for unusually long life under the severe peak load conditions imposed in these demanding applications. Shpg. wt. 6 lbs.

**Olson 110 Watt FM-AM-FM MPX Solid State Stereo RECEIVER**

- ★ Quick Trip Circuit Breakers
- ★ Stereo Indicator Light
- ★ Handsome Walnut Cabinet
- ★ Illuminated Slide Rule Dial

★ Tape Output Jacks  
★ 6 Stereo Inputs

Unique is the key-note of the Olson RA-22. From the newest styling appointments to the outstanding performance. The "Side-By-Side" offers you the greatest value available at any price. Stereo indicator aids in selecting multiplex stations. Has tuning meter. Sensitivity 1.5UV. for 20 db quieting. Separation more than 30db. Power output 110 watts (55 per channel) IHF. Has six pairs of stereo inputs. Quick-trip circuit breakers protect output circuit. Response: 20 to 20,000 cps. Size: 27" W. x 4 1/4" H. x 10" D. Operates on 110 to 120 volts AC. 50/60 cps. Shipping weight 25 lbs.

**\$230**

RA-22  
**\$13 MONTHLY**

**Olson Solid State Stereo FM-AM-FM Stereo Tuner**

- ★ Stereo Station Indicator
- ★ Oiled Walnut Finished Wood Cabinet

**\$85**

RA-997  
**\$9 MONTHLY**

Cabinet is made to stack on top of amplifier cabinet. Has brushed aluminum panel and knobs. Vertical tuning meter assures accurate tuning. Stereo indicator light locates multiplex signals with ease. Tuning range: FM: 88 to 108 MC. AM: 535 to 1600 KC. Sensitivity: 2 UV. for 20 db. quieting. Mpx. separation 30 db. Size: 11 1/2" W. x 4" H. x 8 3/4" D. Operates on 110 to 120 volts AC. 60 cps. Shipping weight 10 lbs.

**Olson 'MAX-CUBE' 55 WATT FM-AM-FM/MPX RECEIVER**

- ★ Beautiful Walnut Finished Wood Cabinet
- ★ Circuit Breakers
- ★ Mag. Phono Input

**\$190**

RA-25  
**\$12 MONTHLY**

Functional design lends itself well to any kind of custom installation. Features illuminated slide rule dial and tuning meter. AFC locks in FM stations to eliminate drift. Sens: 3uv. for 20 db quieting. Multiplex separation: 25 db. Amplifier is circuit breaker protected and includes inputs for magnetic as well as ceramic phono plus tape head and aux. Has outputs for tape recorder. Response: 20 to 20,000 cps. Power output 55 watts (27.5 W. per channel). Size 9 1/4" x 9 1/4" x 9". Operates on 110 to 120 volts AC. 50/60 cps. Shipping weight 22 lbs.

**Olson 50 Watt Solid State Stereo FM-AM-FM MPX RECEIVER**

- Circuit Breaker Over-load Protection
- New Tab Type Switches
- Stereo Indicator Light
- Tuning Meter
- Illuminated Slide Rule Dial
- Oiled Walnut Wood Cabinet
- 24 Transistors - 16 Diodes—1 Zener Diode
- Tape Monitor Jacks
- Tape Output Jacks
- Mag. and Crystal Phone Input

**\$149.98**

RA-20  
**\$9 Monthly**

Specifications: Sensitivity (FM): 2 uv. for 20 db quieting. Image Ratio: 50 db (at 98 M Hz). Mpx. Separation: more than 25 db. at 1 KHz. Power Output: 50 W. IHF (25 per channel). Tone Controls: Bass, ± 12 db @ 50 Hz. Treble, ± 10 db @ 10 KHz. Channel Separation: 45 db. Includes Hi and Lo Noise Filter and loudness switch. Operates on 117 volts AC. 60 Hz. Size: 14" W. x 5" H. x 11 1/4" D. Shpg. wt. 17 lbs.

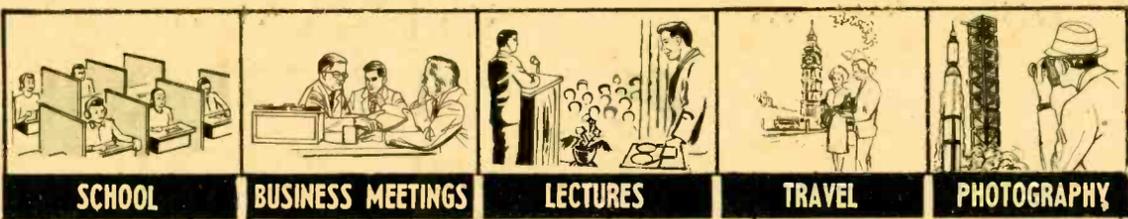
**Olson Solid State Stereo 40 WATT AMPLIFIER**

- ★ Module Construction
- ★ Silicon Output Transistors
- ★ Oiled Walnut Wood Cabinet

**\$65**

AM-342  
**\$7 MONTHLY**

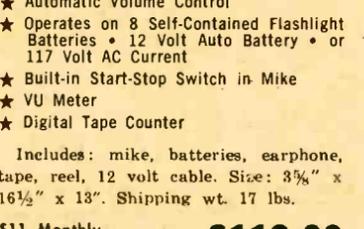
The new Olson AM-342 features module construction throughout. Has high performance, reliable silicon transistors in the output circuits. Has gold anodized aluminum front panel with matching knobs. Specifications: IHFM power, 40 watts, 20w per channel. Frequency response: 50-20,000 cps. ± 2 db. Hum and noise: —40 db. Output Impedance: 4 to 16 ohms. Operates on 110-120 volts AC. 50/60. Size: 10 7/8" W. x 4 1/4" H. x 8 3/4" D. Shipping weight 6 lbs.



**AIWA TP-719 TAPE RECORDER**



**AIWA TP-1013 STEREO TAPE RECORDER**



**AIWA TP-714 TAPE RECORDER**

**CONCORD STEREO TAPE DECK 510-D**

- ★ Vertical or Horizontal Operation
- ★ Three Speeds, 1 7/8, 3 3/4 & 7 1/2 IPS
- ★ Dual VU Meters
- ★ Solid State Electronics
- ★ 7" Reel Capacity
- ★ Digital Tape Counter

Size: 13 1/2" W. x 11 1/2" H. x 5 1/2" D.  
Shipping weight 20 lbs.

**\$9 MONTHLY \$139.50**  
Extra Batteries (2 req'd.) BA-41 Ea. 13c  
Extra Batteries (1 req'd.) BA-89 Ea. 21c

**CONCORD MODEL 350 "VOICE OPERATED" TAPE RECORDER**

- ★ 2 Speeds
- ★ With Mike
- ★ Automatic Reverse, Record and Play
- ★ Remote Start/Stop and Play
- ★ Record 6 Hours Continuously
- ★ 3 3/4 and 1 7/8 IPS
- ★ Earphone Included
- ★ Uses 5" Reels
- ★ Record Level and Battery Meter

Size: 4" x 11 1/2" x 11"  
Shipping weight 16 lbs.

**\$9 MONTHLY \$99.50**  
Extra Batteries (4 req'd.) BA-41 Ea. 13c

**CONCORD MODEL F-90 RADIOCORDER**

- ★ Record and listen to your favorite AM radio program simultaneously
- ★ It's a Radio
- ★ It's a Tape Recorder

Built-in AM Radio, 3 1/4" Reel, Remote Control Dynamic Mike, AC or DC Operation, 2 speed 1 7/8, 3 3/4 IPS, Record level indicator, external speaker jack.

Size: 4" x 8 1/2" x 9". Shpg. wt. 7 lbs.

**\$7 MONTHLY \$69.50**  
Extra Batteries (5 req'd.) BA-41 Ea. 13c

**AIWA TP-32A TAPE RECORDER**

- ★ With Mike, Earphone & Batteries
- ★ 4 Transistors

Features carrying case with strap. Rugged precision motor assures top performance. Size: 9" x 7" x 2 3/4". Shipping weight 5 1/2 lbs.

**\$7 MONTHLY \$13.95**  
Extra Batteries (2 req'd.) BA-41 Ea. 13c  
Extra Batteries (1 req'd.) BA-89 Ea. 21c

**AIWA "MEMORY MASTER" TAPE RECORDER**

- ★ Attache Case with Secret Recorder
- ★ Record up to 60' Away
- ★ Handle Up—Recorder "Off"
- ★ Handle Down—Recorder "On"

A complete recording, transcribing, dictating unit with playback records 44 minutes. All-transistor, self-powered and complete with a telephone adapter. Size: 17" W. x 12 1/2" D. x 4 1/4" H. Shipping weight 9 lbs.

**\$7 MONTHLY \$69.95**  
Extra Batteries (4 req'd.) BA-41 Ea. 13c

**AIWA TP-1009 STEREO CASSETTE TAPE DECK**

- ★ Full panel of push-button controls; forward, rewind, fast forward, stop/cassette pop-up
- ★ Pause lever, power on-off, and record switch
- ★ Two volume knobs
- ★ 3-digit counter with quick re-set button
- ★ 2 VU meters, 2 mike jacks, 2 aux. input jacks, 2 pre-amp output jacks.

★ One high impedance stereo Headphone Jack

★ Size: 11" W. x 10" D. x 3 1/4" H.

★ 117 volts, 60 cycle AC

Shipping weight 10 lbs.

**\$10 MONTHLY \$99.95**  
Extra Batteries (6 req'd.) BA-41 Ea. 13c

**CROWN RECORDER IN ATTACHE CASE**

- ★ Built-in AM/FM Radio
- ★ 5" Reel Capacity
- ★ 2 Speeds, 1 7/8 and 3 3/4 IPS
- ★ Automatic Volume Control (recording)
- ★ Size: 3 3/4" x 16 1/2" x 12"

Includes dynamic mike, tape, empty reel, telephone pick-up, patch cord and earphone. Shipping weight 12 lbs.

**\$11 MONTHLY \$169.95**  
Extra Batteries (2 req'd.) BA-41 Ea. 13c

**AIWA TP-1012 STEREO TAPE RECORDER**

- ★ Solid State Circuit
- ★ Records 4 Track Stereo or Mono
- ★ Full 7" Reel Capacity
- ★ 3 Speeds: 7 1/2, 3 3/4, 1 7/8 IPS
- ★ Operates On Battery or House Current
- ★ Includes: 2 Mikes, Empty Reel, Full Reel and Batteries
- ★ Servocontrol Motor Insures Precise Speeds
- ★ Built-in Speakers
- ★ Tape Counter
- ★ Response: 50 - 16,000 CPS.

Size: 13 1/2" H. x 12 3/4" W. x 7 1/4" D.  
Shipping weight 19 lbs.

**\$9 MONTHLY \$149.98**  
Extra Batteries (4 req'd.) BA-41 Ea. 13c

**AIWA TP-716 TAPE RECORDER**

- ★ Capstan Drive
- ★ 2 Speeds 1 7/8 and 3 3/4
- ★ Record/Battery Meter
- ★ Operates on Battery or House Current
- ★ Remote Control Dynamic Mike
- ★ Volume and Tone Controls
- ★ Includes: Mike, Earphone, Tape & Reel
- ★ Has Fast Forward
- ★ Size: 9 1/2" W. x 9 1/2" D. x 3" H.

Shipping weight 7 lbs.

**\$10 MONTHLY \$42.95**  
Extra Batteries (6 req'd.) BA-41 Ea. 13c

**COUPON VALUE**

**FREE MAILING BOXES**

**Olson**

**750 FT. RECORDING TAPE**

**PKG. OF 3 REELS**

**99c**

Olson TA-107

MADE IN U.S.A.

Tape Your Vacation

- ★ 3—Standard 3" Reels
- ★ 1 Mil. Acetate
- ★ Ideal for Voice Letters
- ★ 250' of Tape Per Reel
- ★ Fits Most Recorders

Shipping weight 1/4 lb.

1200 FT. RECORDING TAPE. Package of 3, 3" Reels - 400' per reel.  
Olson TA-221 \$1.69

1800 FT. MYLAR RECORDING TAPE. Package of 3 - 3 1/4" Reels - 600 ft. per reel. Extra recording time ideal for classroom.  
Olson TA-459 \$2.39

**COUPON VALUE**

**Olson**

**Voice Activated MICROPHONE**

**\$14.95**

M-253

SOUND STARTS IT! SOUND STOPS IT!

Your battery operated tape recorder will start automatically when any sound reaches the microphone. Recorder stops when sound stops. Designed for battery operated recorders with a jack for remote control mike. Adjustable sensitivity. Can be used as a regular remote control mike. Six transistor circuit. Operates on popular 9 volt battery (not included). Complete with cable and plugs. Shipping weight 1 lb.

9 Volt Battery for above  
Olson BA-89 Ea. 21c

★ Automatically Starts & Stops Recorder on Sound Impulse

★ Use With Battery Operated Recorders

**Handy CASSETTE RECORDERS & PLAYERS**

**Norelco** CASSETTE MODEL 150 Deluxe Carry-Corder

**\$59.50**

\$7 MONTHLY

Mike with Remote Switch

- ★ Up to 1 1/2 Hour Play/Record Time
- ★ Records on 2 Tracks
- ★ Fully Transistorized

Uses 5 "C" size batteries, with mike, patch cord, vinyl case, 1 tape cartridge. Size: 7 3/4" x 4 1/2" x 2 1/4". Shipping weight 4 lbs.

Extra Batteries (5 req'd.) BA-41 Ea. 13c  
TAPE CARTRIDGE, TA-159 \$1.33

**Norelco** CASSETTE MODEL 2500 Stereo Tape Deck Player

**\$59.50**

\$7 MONTHLY

- ★ Solid State Circuit
- ★ Plays Through Your Stereo System
- ★ Fast Forward/Rewind
- ★ Cassette Ejector
- ★ Response: 60-10,000 Hz
- ★ 4 Track Stereo
- ★ Speed 1 7/8 IPS
- ★ Signal to Noise Ratio: 43 db

Size: 8" x 4 1/4" x 2 1/4". 110-120 V. AC, 60 cps. Shipping wt. 4 lbs.

**AIWA TP-707 CARTRIDGE RECORDER**

**RA-930 \$39.95**

- ★ No Tape Threading
- ★ Uses Popular Cassette Cartridge
- ★ "Instant Loading" Magazine
- ★ Constant Speed Capstan Drive
- ★ Fully Transistorized Circuitry
- ★ Dual Purpose VU Meter
- ★ Checks Battery & Record Volume
- ★ Push Button Operation
- ★ Complete with 4 "C" flashlight batteries, mike, earphone, tape cartridge and carrying case.

Size: 2 1/4" x 8" x 5 1/2". Shpg. wt. 4 lbs.  
Extra Tape Cartridge, TA-159 Ea. \$1.33  
Extra Batteries (4 req'd.) BA-41 Ea. 13c

**SR STANDARD CASSETTE RECORDER**

**\$44.95**

Olson RA-50

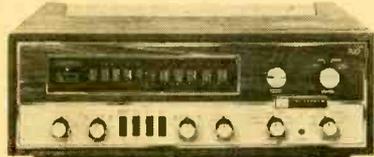
- ★ Pocket Size
- ★ Record Level Meter
- ★ Capstan Drive
- ★ Solid State Components
- ★ Fast Forward

Includes: shoulder strap, dynamic mike, mike stand, case for mike and cassette cartridge. Size: 8 3/4" x 5" x 2 1/2". Shipping weight 2 1/2 lbs.

Phillip M. Magenheimer, 2615 N. 21st Street, Kansas City, Kansas 66104: wins choice of merchandise worth \$5 from Olson's "Treasure Hunt". See back cover for instructions.

# FISHER 700-T

## 120 WATT FM STEREO RECEIVER



**SALE \$349<sup>95</sup>**  
Save \$74.63

- ★ Exclusive Super Synchrode Front End
- ★ Field Effect Transistors
- ★ Automatic Stereo Switching
- ★ Direct Tape Monitor
- ★ 24-Carat Gold-Plated Front Panel
- ★ Stereo Head Phone Jack

# harman kardon

## TOTAL MUSIC SYSTEM



EASY PAY PLAN **\$429<sup>50</sup>**

- ★ FM-FM Stereo
- ★ 4-Speed Stereo Changer
- ★ 4-Track Cassette Stereo Record and Playback
- ★ Matching Stereo Speakers
- ★ 30 Watt Stereo Amplifier
- ★ The Most Versatile Compact Ever Made



# Electro-Voice

## RECORD SPECTACULAR



**YOUR CHOICE**  
Of Up To 20 Popular Stereo Records  
Value \$4.95 ea.  
for **\$10** ea.  
with the Purchase of Any



**Electro-Voice**  
PREMIUM-QUALITY  
DIAMOND PHONO NEEDLE  
OR PHONO CARTRIDGE  
**FREE Stylus**

Inspection at your local Olson Store. Complete Selection of Needles Also Available.

# SYLVANIA AND Westinghouse

## TUBE VALUES

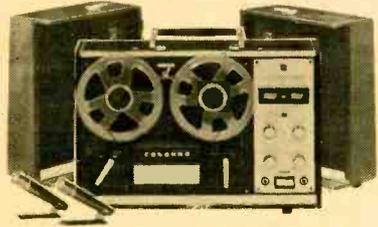


**STOCK UP NOW & SAVE**  
Special Purchase  
Limited Quantities

Tube Type	MFG. 1968 List Price	Your Cost	Tube Type	MFG. 1968 List Price	Your Cost
2FH5	\$3.15	\$ .90	12EL6	2.05	1.50
3V4	2.60	.99	12DV7	4.40	1.95
3BE6	2.25	.90	12DV8	5.85	1.00
3CB6	2.15	.85	12K6	2.60	.85
5U4	2.10	.90			
6AL5	1.75	.60	13DE7	3.50	1.30
6AX4	2.50	1.00	17AV5	4.70	1.60
6CB6	2.10	.85	17AX3	2.60	.99
6H56	2.75	1.05	17AX4	3.05	1.10
6K6	2.45	.90	17DE4	3.20	1.10
654	2.35	.85	19BG6G	6.50	2.20
65N7	2.70	1.00	19CL8A	3.70	1.30
6V4	1.55	.60	19H56	2.40	.90
6W4	2.30	.85	19T8	4.05	1.40
12AX4	2.55	1.00	35W4	1.25	.48
12BA6	1.80	.72	50C5	2.20	.79
			8142	2.75	1.05

# CONCORD 776

## Solid State Stereo RECORDER



- ★ Automatic Reverse — Plays Both Directions
- ★ 4 Track Record and Play
- ★ Response: 30 to 20,000 cps
- ★ Two Dynamic Mikes
- ★ Four Flux-Field Heads

**\$269<sup>50</sup>**  
EASY PAY PLAN

# \$50 Worth of Pre-Recorded Tapes For Only \$14<sup>95</sup>

... with purchase of 776D or F105

# CONCORD 776D

## STEREO TAPE DECK



- ★ Automatic Reverse—Plays Both Directions
- ★ Built-in Solid State Pre-Amps
- ★ Vertical or Horizontal Operation
- ★ Two Speeds 7 1/2 and 3 3/4 IPS

EASY PAY PLAN **\$199<sup>50</sup>**

# CONCORD F-105

## Stereo Cassette TAPE DECK



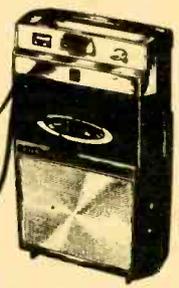
- ★ Solid State Pre-Amplifiers
- ★ Flux Field Heads
- ★ Cue Device for Professional Editing
- ★ Response 40-18,000 cps.
- ★ Black Screen Plastic Dust Cover

**\$99<sup>50</sup>**  
BOTH FOR **\$49<sup>50</sup>**  
With the purchase of Concord F-105 at \$99.50. SAVE \$15.95

# CONCORD F-100

## CASSETTE TAPE RECORDER

- ★ Snap-in-Snap-out Cassette Cartridge
- ★ Flux Field Heads
- ★ Records and Plays Voice or Music
- ★ VU Meter



**FREE**

ACCESSORY PACK  
INCLUDES: • AC Adaptor • Telephone Pick-up • Carrying Case

**\$79<sup>50</sup>**  
EASY PAY PLAN

# BARGAIN LIST

# SALE

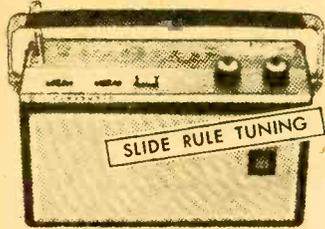
UP TO **50% OFF**

Demonstrators; Trade Ins; Close Outs; on Hi-Fi Equipment, Auto Accessories, Test Equipment, and Experimenter Items.

LIMITED QUANTITIES

*New Bargain List Available with each new Catalog at your Local Olson Electronics Store. Many Specials available which are not on Bargain List.*

**PANASONIC**  
MARINER RF-1006MD  
Portable Radio



- ★ FM/AM/Marine band portable car radio
- ★ Built-in Antennas

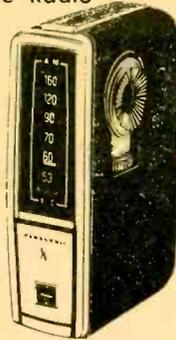
OLSON LOW PRICE **\$54.95**

**PANASONIC**  
GADABOUT R-1326  
Portable Radio

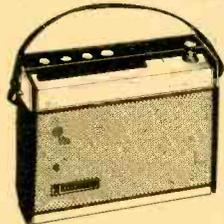
- ★ Camera styled miniature portable
- ★ Smart leatherette cabinet
- ★ Full range speaker
- ★ With Earphone

OLSON  
LOW  
PRICE

**\$14.95**



**PANASONIC**  
MEMORY MASTER AM  
Portable  
RADIO



- ★ World's First Electronic Memory Tuning
- ★ Tone Control

R-1500 **\$39.95**

**PANASONIC**  
AM  
Camera Style  
PORTABLE  
RADIO

- ★ Wrist Strap
- ★ Earphone



R-1077 **\$9.88**

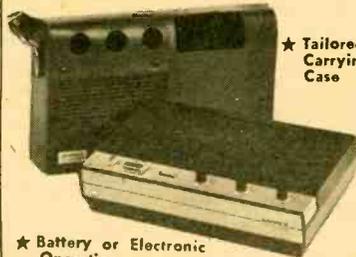
**AMPEX** MODEL 861



- ★ 4-Track Stereo Portable Tape Recorder
- ★ Detachable Speaker
- ★ Accurate VU Meters
- ★ 2 Microphones with Stands
- ★ Exclusive Dual Capstan Drive

**\$249<sup>95</sup>**

**AMPEX** Micro 520  
PORTABLE CASSETTE  
TAPE RECORDER



- ★ Tailored Carrying Case
- ★ Battery or Electronic Operation
- ★ Omni-Directional Remote Controlled Microphone
- ★ Controls are Positioned for Easy Use While-Carrying

**\$99<sup>95</sup>**

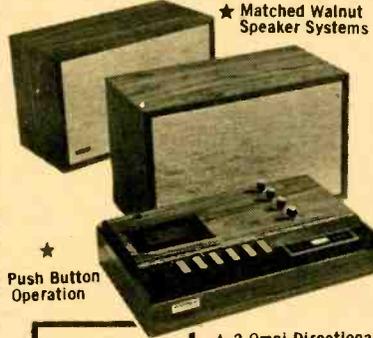
**FREE!**

An Instant Tape Library.  
**\$29.95** Worth of Stereo  
Tapes FREE with the Purchase  
of a Micro 585.

**AMPEX** MICRO 585  
CASSETTE

SOUND SYSTEM

- ★ With Big Stereo Performance
- ★ Matched Walnut Speaker Systems



- ★ Push Button Operation

**\$199<sup>95</sup>**

- ★ 2 Omni-Directional Microphones with Stands
- ★ 4 Track Stereo Record and Playback

**AMPEX** Micro 550

STEREO PLAYER/RECORDER  
CASSETTE TAPE DECK

- ★ Handsome Walnut Cabinet



- ★ Push Button Operation
- ★ Plugs into Stereo Console or Components
- ★ Includes Two Omni Directional Dynamic Microphones and Auxiliary Connecting Cables
- ★ Now Ampex Quality in Cassette Recorder
- ★ Solid State Electronics

**\$139<sup>95</sup>**



COLOR  
TUBES  
FROM **\$63**

**Olson**  
ALUMINIZED  
PICTURE  
TUBES

AVAILABLE ONLY AT YOUR **Olson** STORE

Look At  
The Neck  
Of Your  
TV Picture  
Tube For  
TYPE  
NUMBER

**OLSON'S 1-YEAR GUARANTEE**

All picture tubes carry a full 12-month guarantee against shorts, low emission, gas, implosion, ion burns, or electronic defects. Tubes will be replaced at no charge within the guarantee period. This does not apply to broken necks or burned-out-filaments. Prices are exchange prices.

★ ALUMINIZED ★

TUBE TYPE	SELLING PRICE								
11AP4	\$23.50	19CEP4	\$31.00	21FDP4	\$25.50	23FN4	\$41.00		
12AY4	23.50	19CHP4	23.90	21FLP4	15.50	23FSP4	35.60		
12CDP4	29.98	19CMP4	23.90	21FXP4	33.50	23FWP4	39.40		
13AP4	28.80	19CX4	23.90	21FZP4	33.50	23FXP4	35.60		
14ASP4	24.00	19CZP4	31.00	21WP4	22.00	23GP4	33.50		
14CP4	21.50	19DP4	31.00	21XP4	22.00	23GX4	35.60		
14QP4	23.00	19DR4	28.80	21YP4	15.50	23GNP4	35.60		
14WP4	23.00	19DW4	28.80	21ZP4	15.50	23JP4	35.60		
16ANP4	28.80	19EBP4	31.00	23AHP4	24.50	23KP4	28.50		
16ASP4	30.20	19ECP4	31.00	24ALP4	24.50	23RP4	35.60		
16CAP4	30.20	19EDP4	28.80	23ASP4	24.50	23TP4	35.60		
16KP4	14.30	19ENP4	31.00	23BGP4	35.40	23UP4	35.60		
17BP4	17.50	19ETP4	31.00	23RJP4	24.50	24AE4	23.40		
17BJP4	17.50	19EZP4	31.00	23BTP4	35.60	24AMP4	28.50		
17BWP4	20.60	19FHP4	31.00	23CP4	35.60	24AJ4	28.50		
17DAP4	23.90	19XP4	23.00	23CAP4	35.60	24AQ4	28.50		
17DSP4	19.00	20CP4	22.00	23CGP4	24.50	24AUP4	28.50		
17DXP4	20.60	20HP4	22.00	23CTP4	35.60	24BAP4	38.00		
17HP4	17.50	21AMP4	15.50	23DAP4	35.60	24BP4	33.50		
17LP4	17.50			23DBP4	24.50	24CP4	23.40		
17QP4	17.50	21AUP4	20.50	23DKP4	35.60	25HP4	68.00		
19AP4	25.50	21AWP4	20.50	23DLP4	35.60	25NP4	68.00		
19AFP4	31.80	21COP4	22.00	23DVP4	33.50	27AP4	63.50		
19AJP4	23.90	21CX4	19.00	23EP4	35.60	27EP4	44.50		
19ALP4	23.90	21DLP4	19.00	23EKP4	35.60	27LP4	44.50		
19AXP4	23.00	21EP4	22.00	23EWP4	33.50	27XP4	51.50		
19BDP4	23.00	21EMP4	20.50	23EYP4	41.00	27YP4	69.50		
19BTP4	23.90	21FP4	22.00	23EZP4	39.40	27ZP4	60.00		

COLOR  
PICTURE  
TUBES

COLOR

TC-19EXP22	84.00
TC-19EYP22	95.00
TC-21AXP22	71.00
TC-21CYP22	63.00
TC-21FJP22	71.00
TC-21FBP22	63.00
TC-25ALXP22	95.00
TC-25BP22	84.00

**METAL**

Non-Aluminized.  
21AP4 \$30.20

OTHER  
TUBE  
TYPES  
ALSO  
AVAILABLE

These tubes are made only from new parts and materials except for the envelope, which prior to reuse is inspected and tested to the same standards as a new envelope.



**COUPON VALUE**

**CASSETTE "INSTANT-LOAD" CARTRIDGE**

BLANK FOR MONO OR STEREO

Olson TA-534  
10 FOR \$9.50  
**99¢**

Designed for use with Wollensak 4100, Mercury TR-800, Concord F-100, AIWA TP-707, Norleco 150, Standard SR-100, and all other cartridge recorders using "Cassette" type cartridges. Plays 20 minutes. Cartridge size 4" W. x 2 1/4" D. x 1/2" H.

60 Minute Cassette Cartridge, No. TA-159 10 for \$13 \$1.33  
90 Minute Cassette Cartridge, No. TA-466 10 For \$26.50 \$2.79  
120 Minute Cassette Cartridge, No. TA-490 10 For \$38 \$3.99

Shipping weight 1/4 lb.



**TAPE AS YOU TRAVEL!**

**Cassette with Handy Snap-open Plastic Case**



60 Minute Cassette No. TA-540 \$2.59  
90 Minute Cassette No. TA-506 \$3.98  
120 Minute Cassette No. TA-541 \$4.99

★ Highest Quality Available  
★ For Mono or Stereo  
★ Fits All Popular Cassette Recorders  
Shipping weight 1/4 lb.

**CASSETTE HEAD CLEANER**

★ For All Standard Cassette Recorders



No. TA-533 \$1.69

★ Keeps Heads and Guides Clean  
★ Prolongs the Life of Tape Heads  
★ Protects Tapes From Excessive Wear  
Shipping weight 1/4 lb.

**7" REEL**

**2400 FT. MYLAR RECORDING TAPE**

- ★ Made By U.S.A. Manufacturer
- ★ Made Exclusively for Olson
- ★ Permanently Lubricated
- ★ Not 2nds or Rejects
- ★ Highest Quality
- ★ NAME BRAND

Olson TA-160 **\$1.60**

LOTS OF 3, EACH

Single, Each \$1.79

**MORE MYLAR TAPE**

900' MYLAR TAPE ★ 5" Reel Single, Ea. \$1.09 3 for \$2.97 Lots of 12, Each Olson TA-519	1200' MYLAR TAPE ★ 5" Reel 3 For \$4.74 Single, Ea. \$1.69 Lots of 12, EACH Olson TA-222	1800' MYLAR TAPE ★ 7" Reel Single, Ea. \$1.71 3 for \$4.50 Lots of 12, EACH Olson TA-110	1200' MYLAR TAPE ★ 7" Reel Olson TA-75 Single Ea. \$1.29 3 for \$3.30 Lots of 12 Ea. \$1.25
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**99¢** **\$1.42** **\$1.25** **99¢**

**REEVES SOUNDCRAFT RECORDING TAPE**

★ Made in U.S.A.  
★ Acetate & Mylar Types  
★ 3", 5" and 7" Reels

Stock No.	Mfg. No.	Length	Play Time	Size	Base Mat.	Lots of 1-11	Lots of 12 or more
TA-136	PL-2	225'	23	3"	Mylar	.67	.60
TA-137	PL-9	900'	90	5"	Mylar	2.27	2.04
TA-134	S-12	1200'	120	7"	Acetate	2.33	2.10
TA-135	S5-18	1800'	180	7"	Acetate	3.45	3.10
TA-139	TP-18	1800'	180	5"	Mylar	3.40	3.06
★TA-453	PL-18 CLM	1800'	180	7"	Mylar	4.29	3.89
TA-138	PL-18	1800'	180	7"	Mylar	3.87	3.48
TA-198	GTM-24T	2400'	240	7"	Mylar	7.60	6.84
TA-197	TP-36	3600'	360	7"	Mylar	6.67	6.40

★ With Leader Tape and Metalized Reversing Tabs

Soundcraft Uni-Level Coating Process assures that a uniform oxide ribbon is bonded to the base material for complete frequency uniformity. Soundcraft's exclusive micropolishing process insures intimate head contact required for perfect high frequency response. Shpg. wt. 1 lb. roll.

**Shield RECORDING TAPE**

★ Finest Mirror Polished Red Oxide Bonded to Strong Base  
★ Resp.: 50-15,000 CPS  
★ High Signal to Noise Ratio, Low Distortion and Uniform Output  
★ Standard 1/4" Width on 7" Reel for All Recorders Shpg. wt. 3/4 lb.

★ MADE IN U.S.A.

Stock No.	Backing	Footage	Reel Size	1-5	6-11	12-95	96 or more
TA-190	Acetate	1200'	7"	1.59 Ea.	1.49 Ea.	1.35 Ea.	1.19 Ea.
TA-132	Mylar	1200'	7"	1.75 Ea.	1.58 Ea.	1.42 Ea.	1.24 Ea.
TA-133	Mylar	1800'	7"	2.49 Ea.	2.25 Ea.	2.13 Ea.	1.86 Ea.
TA-195	Mylar	2400 Ft.	7"	3.10 Ea.	2.79 Ea.	2.69 Ea.	2.50 Ea.
TA-140	Mylar	3600'	7"	4.75 Ea.	4.30 Ea.	4.03 Ea.	3.52 Ea.
TA-181	Tensitized Mylar	1800'	7"	3.65 Ea.	3.38 Ea.	3.18 Ea.	2.79 Ea.

**Robins "TAPE CLEAN"**

★ Standard 3" Reel

3" reel of reusable chemically treated cloth tape. Threads like recording tape, cleans and lubricates recorder heads and guides. Shipping weight 1/4 lb.

Olson HF-133 **\$1.24**

**RETRACTABLE PATCH CORD**

★ Extends to 6 ft.

Recorder patch cord with clips on one end and RCA type phono plug on other. Includes plug adapter to 1/4" phono plug. Shipping weight 1/4 lb.

Olson HF-115, 3 For \$4.50 **\$1.59**

**2400' Computer TAPE**

★ 1/2" Wide ★ 1/2" mil Mylar

2,400 ft. of high quality computer tape on 10 1/2" plastic reel. Can be used on most home video recorders when re-wound onto correct reels. 1/2" tape can be split to 1/4" width for use on standard home tape recorders. Made to exacting specifications required for computer use. Shipping wt. 2 lbs. Used.

Olson TA-491, 10 For \$25 **\$2.99**

**2,300 FT. MICRO-MEDIA EXTRA LONG PLAY TAPE** On a standard 5" reel.

Olson TA-472 **\$7.95**

**Micro-Media 25" Long Play Tape**

★ Plays Four Times Longer Than Ordinary Tape  
★ 1200 ft.  
★ 3 1/4" Reel  
★ Tensitized Mylar Base

Extends recording time of compact recorders to 4 hrs. (at 1 1/2 Ips.) (Not for rim drive recorders. Shpg. wt. 1/2 lb.)

Olson TA-274 **\$4.25**

**Tape Recorder HEADS**

★ Instructions and Hardware Included

A two-piece set containing one record/playback and erase head. Mounting centers: 3/4" to 1" with bracket. Has 1/4" mts. centers on bottom of head. Specifications: Record/play; 1/2 track. DC Res. 660 ohms. Impedance 3500 ohms. Bias Current 0.2 ma. Erase: 320 ohms. Erase cur. 4 ma. Shipping weight 1/4 lb.

Olson TA-111 ★ Set of Two **\$1.69**

**DELUXE STEREO TAPE SPLICER**

Splices 4 track stereo tapes. Has built-in supply of splicing tape. Shipping weight 2 lbs.

Olson HF-134 **\$9.56**

**2 & 4 TRACK TAPE SPLICER**

★ Accurately Cuts & Trims  
★ Splicing Tape Included

Cutter arm has two blades, one cuts ends of tape to proper angle, the other blade trims edge of tape to remove excess splicing tape. Cutting block has special vinyl cushion to keep blades sharp. Will not remove program material from outside tracks of 4-track tape. Size: 3"x2"x1 1/4". Shpg. wt. 1 lb.

Olson TA-505 **\$2.69**

**FOOT SWITCH**

★ For Battery Operated Recorders

The recorder can be started and stopped without the use of hands, perfect for dictation, etc. A 4 1/2 ft. cable is attached to the switch and terminated in a miniature phone plug. An adapter is included for those recorders which do not have a remote control jack. Size: 2 1/2" x 2 1/2" x 1". Complete with instructions. Shipping wt. 1 lb.

Olson SW-334, **\$3.79**

**RECORDING TAPE CHEST**

Holds 12-7" reels or cans. All steel, grey enamel. Double safety catch, folding handle. Shipping weight 6 lbs.

Olson TA-194 **\$3.29**

**Tape Head DEMAGNETIZER**

★ Prevents Noisy Tapes

Just connect to 117 volts AC and move tip against tape head. Removes head magnetism and protects tapes from partial erasures or noise insertions. Will demagnetize many small parts. Shipping weight 1 lb.

Olson HF-38 **\$3.69**

**BULK TAPE ERASER**

★ For 3", 5", 7" or 10 1/2" Reels

Will erase any magnetic recording tape from 1/4" to 1" width. Housed in rugged case with Power Switch. Spindle and AC cord. For 110-125 volts AC. Size: 6 1/4" x 4" x 2 1/4". Shipping weight 10 lbs.

Olson TA-147, 3 @ \$12 ea. **\$12.50**

**TAPE CARTRIDGE KIT**

★ Easy To Assemble

RCA type tape cartridge kit. All mechanical parts and materials to make a standard tape cartridge. Cartridge fits all standard cartridge recorders. With instructions. Size: 7 1/4" x 5" x 1/2". Not for auto tape players. Shipping weight 1/2 lb.

(Less Tape) **\$1.39**

Olson TA-48 Per Kit

Write for special large quantity prices.

**4 TAPE CARTRIDGE KITS plus 2400 FT. MYLAR TAPE** Shipping weight 3 lbs.

Olson AS-734 **\$6.49**

**7" TAPE Storage Can**

Finished in blue enamel. Shipping weight 1/2 lb.

3 for \$1.00, 12 @ 30c ea. **39¢**

Olson TA-193

**5 POWER FLASHLIGHT MAGNIFIER**

Polished chrome with ivory plastic trim. Uses two "C" cells (not included). Size: 6 1/4" long. Shipping. wt. 3/4 lb.

3 for \$4.50, 12 @ \$1.25 **\$1.99**

No. X-900, ea.

Batteries (2 req'd.), No. BA-41 ea. 13c

Similar to above but much smaller. Uses only one standard penlight cell. Size: 5" L. x 2" H. x 1 1/4" W. Shipping weight 1/2 lb.

**SALE**

Olson X-979 **\$1.71**

Batteries: (1 req'd.), No. BA-67, 8 for 59c

**7" Empty Reel and Box**

Standard 7" clear plastic reel with storage box. Reel is molded of sturdy break-resistant plastic. Shpg. wt. 1/4 lb.

Olson TA-278 **Each 50¢**

**7" Empty Plastic Tape Reels**

Olson TA-192

Lots of 10-99 @ 20c ea. **25¢** ea.  
Lots of 100 @ 15c ea.

Stock Size Lots of 100 or more

No.	Reel	1-9	10-99	MORE
-----	------	-----	-------	------

TA-191 5" 29c Ea. 25c Ea. 20c Ea.

Shipping weight 1/4 lb.

**AUTOMATIC THREADING REELS**

Kit of 5-3" Reels, No. AS-39 \$1.19  
5" Plastic Tape Reel, No. TA-150, Ea. 79c  
7" Plastic Tape Reel, No. TA-151, Ea. 89c

**TELEPHONE PICKUP**

★ With Plug

Record or amplify both sides of a telephone conversation. No connection to telephone necessary. Has 3 ft. shielded lead. 3/8" dia. x 1". Shpg. wt. 1/4 lb.

Olson M-185 **\$1.39**

**Telephone Pick-Up Coil**

★ Eliminates Hum Pick-Up

For recording telephone conversations without annoying hum. Specially designed to effectively eliminate high stray hum pick up. Ruggedly constructed. Size 2 1/4" x 7/8" x 3/8". Has two rubber suction cups to attach to back of telephone receiver. Cable plugs into mike input of tape recorder. Shipping weight 1/4 lb.

3 for \$11.50 **\$3.99**

Olson M-208

**Flat Telephone PICKUP**

Place under phone to hear both sides of telephone conversation. Connects to magnetic input of any amplifier or tape recorder. Size: 3 1/2" x 1 1/2" x 1/4". Shipping weight 1/4 lb.

Olson M-143 3 @ \$1.89 **\$1.99** ea.

**ROBINS "SWABBIES"**

★ Pkg. of 150

Soft cotton tips wound on 6" long applicators. Ideal for cleaning and oiling. Shipping weight 1/4 lb.

Olson HF-132 **86¢**

**SYMPHONIC**  
**MINNI 3 TV**

All Channel UHF-VHF

- ★ Solid State Circuitry
- ★ AC Adapter & Earphone
- ★ Only 6 3/4" High x 6" Deep x 3 1/2" Wide

OPERATES ON BATTERY OR HOUSE CURRENT

**\$109<sup>95</sup>**  
\$10 MONTHLY

Operates on battery or house current (AC adapter included). "C" size flashlight type batteries. Telescoping monopole antenna delivers crisp-clear picture. Has all channel UHF-VHF tuner and local distant switch. Size: 6 3/4" H. x 6" D. x 3 1/2" W. 110-120 volts AC, 50/60 cps. plus battery. Shipping weight 6 lbs. Batteries for above, (9 req'd.)

EA-13c

**Olson VHF BAND CONVERTER**

- ★ 108 to 136 MC Tunable
- ★ Pick up Air-plane Communications over any Portable Radio

**\$14<sup>98</sup>**

Operates on Popular 9 V. Battery

No Wiring Connections To Radio Battery for above (1 req'd.)

No. BA-89 21c

**Olson POLICE AND FIRE RADIO**

REG. \$29.89  
**\$24<sup>85</sup>**

Size: 8 3/4" W. x 5 3/4" H. x 3" D. Shipping weight 7 lbs.

★ Includes Regular AM Band  
★ Solid State Circuitry  
★ 145 to 175 MC  
★ 550 to 1600 KC (AM Radio)  
★ Battery Included

AC ADAPTER Operates receiver from 110-120 V. AC, 60 cps.  
BA-140 ..... \$4.98

**Sonora SOLID STATE PORTABLE STEREO**

★ 10 Watt Amplifier

**\$69<sup>99</sup>**  
RP-308  
\$7 MONTHLY

★ Famous BSR Changer

Has off-on volume control and separate tone control. Turnover cartridge has two sapphire needles. Automatic changer plays all speeds 16 2/3, 33 1/3, 45 and 78 RPM. Stylish luggage type carrying case has scuff-resistant washable covering. For 110-125 volts AC, 60 cps. Size: 8 1/2" H. x 13" W. x 17 1/2" D. Shipping weight 18 lbs.

**Sonora Deluxe 4-SPEED PORTABLE PHONO**

★ Solid State

★ Built-In 45 RPM Adaptor

★ Front Mounted Speaker

**\$19<sup>98</sup>** RP-337

★ Plays All Standard Records

Solid state amplifier eliminates warm up. Flip-over cartridge is equipped with sapphire needles. Features a front mounted speaker for clear hi-fidelity reproduction. Turn-table has foam rubber pad. Operates on 110-120 volts AC, 60 cps. Size: 12 1/4" W. x 11" D. x 5" H. Shipping weight 8 lbs.

**TV-FM PORTABLE RECEIVER**

- ★ Listen To TV Without Watching
- ★ Listen To TV Through Earphone Without Disturbing Others.
- ★ Also Plays FM

**\$39<sup>98</sup>** RA-23

- ★ Solid State
- ★ TV Channels 2 thru 13
- ★ Receives regular FM
- ★ Telescoping Antenna
- ★ Earphone Included
- ★ Use as Tuner Through HI-Fi System
- ★ 11 Transistor Circuit
- ★ Slide Rule Tuning
- ★ Convenient Carrying Handle
- ★ Size: 8" x 5" x 2". Shipping weight 2 lbs.

★ Connect To Your Tape Recorder

★ Listen to TV Anywhere

**AIWA AR-136 FM-AM RADIO**

**\$17<sup>95</sup>** RA-37

- ★ 9 Transistors
- ★ Earphone Jack
- ★ Telescoping Antenna
- ★ Earphone & Batteries Included
- ★ Full Range Tone
- ★ Band Selector Switch
- ★ Size: 6 3/4" x 4 1/4" x 1 1/4". Shipping weight 2 lbs.

**AIWA AR-121 FM-AM RADIO**

- ★ Portable
- ★ Slide Rule Dial
- ★ AFC Circuits
- ★ Drift-Free FM

**\$22<sup>22</sup>** RA-38

- ★ Push Button AM/FM Controls
- ★ Earphone Jack

- ★ 10 Transistor Circuit
- ★ 9 Section Antenna
- ★ Includes Earphone & Batteries
- ★ Size: 8" H. x 4 7/8" W. x 2 1/2" D. Shipping weight 3 lbs.

**STANDARD FM-AM Radio Mironic Ruby**

**\$34<sup>95</sup>** RA-87

- ★ Beautiful Styling
- ★ 11 Transistors
- ★ Vernier Tuning
- ★ AFC Switch
- ★ Only 3 1/4" x 2 3/8" x 1 1/3"
- ★ Earphone and Batteries Included
- ★ Telescoping FM Antenna
- ★ Excellent Craftsmanship.

Shipping weight 1 lb.

**Aiwa AR-141 FM-AM-PORTABLE RADIO**

★ Operates On Battery Or House Current

**\$39<sup>98</sup>** RA-79

- ★ 14 Transistors
- ★ Leather Case
- ★ 3-Bands
- ★ Uses 4 "D" Size Batteries
- ★ Highly Stable AFC
- ★ Powerful AGC
- ★ Tone Control

Size: 10 5/8" x 7 1/8" x 3 1/4". Shipping weight 7 lbs.

**AM-FM-SW-VHF RECEIVER**

**\$54<sup>98</sup>** RA-42

- ★ Operates on battery or house current
- ★ 5 Bands
- ★ 4-12 MC short wave
- ★ Genuine leather case
- ★ Telescoping antenna
- ★ Fine tuning control
- ★ Size: 9" W. x 7" H. x 3" D. Shipping weight 3 lbs.

**AM-FM-SW-VHF RECEIVER**

★ Operates On Battery Or House Current

★ 5 BANDS

**\$59<sup>95</sup>** RA-74  
\$7 MONTHLY

- ★ 110-136 MC Aircraft
- ★ 148-174 MC Police
- ★ 1.6-12 MC Short Wave
- ★ Tone Control
- ★ Push-Button Band Selector
- ★ Telescoping Antenna
- ★ Earphone Included
- ★ Size: 11" W. x 7 1/8" H. x 3 3/8" D. Shipping weight 3 lbs.

**STANDARD 4-Band Radio**

**\$69<sup>95</sup>** RA-86  
\$7 MONTHLY

- ★ AM-FM-Marine-Short Wave
- ★ Marine: 1.6 to 4.5 MC
- ★ Short Wave: 4 MC to 12 MC
- ★ Vernier Tuning
- ★ Battery or House Current
- ★ Two Speakers
- ★ Earphone & Batteries Included
- ★ Size: 10 5/8" x 6 1/2" x 2 3/8". Shpg. wt. 5 lbs.

**Juliette AM-FM-Police Band PORTABLE RADIO**

★ 4 BANDS

- ★ Police Band #1 30-50MC
- ★ Police Band #2 148-174 MC

**\$69<sup>95</sup>** RA-64  
\$8 MONTHLY

- ★ 18 TRANSISTOR CIRCUIT
- ★ 4" Dynamic Speaker
- ★ Chrome Die-Cast Front Panel
- ★ Shoulder Strap
- ★ Operates on Battery or House Current
- ★ Illuminated Dial
- ★ Size: 9 1/4" x 5 3/4" x 3 1/2". Shipping weight 2 lbs.

**4 BAND AM/FM Police / Aircraft Receiver**

**\$49<sup>95</sup>** RA-107

- ★ Solid State Circuitry
- ★ Police: 148 to 174 MC
- ★ Aircraft: 107 to 136 MC
- ★ Squelch Control
- ★ 13 to 1 Vernier Tuning
- ★ Battery or House Current
- ★ Size: 7" x 10 1/4" x 3 3/4". Shipping weight 7 lbs.

**SYNCHRO NOISE FILTER FOR RADIO-TV & STEREO**

3 for \$8.25  
**\$3<sup>29</sup>** X-40

- ★ Fuse Protected
- ★ External Grounding Terminal
- ★ Easy Plug-In Installation
- ★ Shpg. wt. 1/4 lb.

**6 TRANSISTOR RADIO**

★ With Earphone and Battery

**\$3<sup>99</sup>** RA-544

- ★ Superheterodyne Circuit
- ★ Push-pull Audio
- ★ Built-in Speaker
- ★ Size: 2 5/8" W. x 4 1/2" H. x 1 3/4" D. Style may vary slightly. Shpg. wt. 2 lbs.

**8 TRANSISTOR RADIO**

- ★ Sensitive Ferrite Antenna
- ★ Tremendous Sensitivity

**\$5<sup>99</sup>** RA-748

Tremendous sensitivity with powerful 8 transistor chassis and built-in ferrite bar antenna. Rugged 2" PM speaker and push-pull audio output deliver big set tone. Eye-appealing case is trimmed in chrome and has magnifier window for station selector. An earphone jack is provided on the side of the case. Size: 4 1/2" H. x 2 3/8" W. x 1 1/4" D. Includes: earphone with case, case, and battery. Shipping weight 2 lbs.

**9 Transistor FM-AM Portable RADIO**

- ★ Telescoping Antenna
- ★ With Battery, Earphone and Carrying Case

**\$11<sup>99</sup>** RA-723

Super sensitive 9 transistor circuit. 21" telescoping antenna disappears into top of case when not in use. 2 1/4" PM speaker plus powerful amplifier deliver room-filling volume. Size 3" W. x 4 3/4" H. x 1 1/2" D. Shipping weight 2 1/2 lbs. Style may vary from illustration.

Extra Battery No. BA-89 ..... ea. 21c

**FM-AM TABLE RADIO**

**\$19<sup>99</sup>** RA-798

- ★ Silicon Rectifier
- ★ 3 Diodes
- ★ 6 Tubes
- ★ AFC

Tunes broadcast band 535 to 1605 KC and FM band 88 to 108 MC. Has built-in loop-stick antenna for AM band. 4" PM speaker gives full response sound. Has interlock cord plug 2 controls; volume, and band. For 110-125 volts AC or DC. Size: 12" W. x 7 3/4" H. x 5 3/4" D. Style may vary. Shpg. wt. 7 3/4 lbs.

**FM CHROME PLATED ROD ANTENNA**

6 Section rod antenna telescopes to 27". Collapsed length is 5 1/2". Mounts in 1/2" dia. hole. Hardware included. Perfect replacement for many FM radios. Shpg. wt. 1/4 lb.

3 @ \$1.79 ea.  
**\$1.99** EACH AA-196

**CRYSTAL RADIO KIT**

★ Geranium Diode Detector

**\$1<sup>99</sup>** RA-636

Complete crystal radio kit including earphone. Has variable tuning condenser with dial. Antenna lead is equipped with clip. Size: 3 1/8" x 2" x 1". Shipping wt. 1/4 lb.

**ORDER BY PHONE DAY or NIGHT**

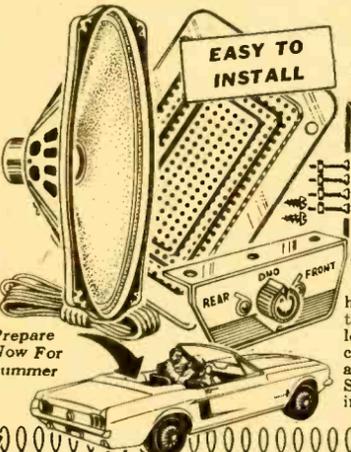
216-535-9191

S. L. Morse, 207 Birdwood Road, Akron, Ohio 44313; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

**3**

**Olson 6"x9" Rear Deck SPEAKER KIT**

**Olson COUPON SALE**



REG. \$4.99  
**\$3.33**

No soldering required. Speaker has Fader control, enables volume to be adjusted to any desired level. Includes 6x9 speaker, fader control, wire, grille, hardware and easy to follow instructions. Shipping weight 3 1/4 lbs. Made in U.S.A.

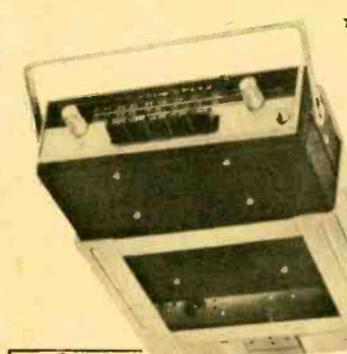
**AUTO RADAR SENTRY**  
Audible Signal Warns of Radar Zones  
★ Transistorized ★ "S" and "X" Bands  
★ No External Wires ★ Built-in Antenna



Prepare Now For A Happy Safe Vacation  
**\$29.95**

Includes 8 transistors and 5 diodes. The batteries (included) will last hundreds of hours. Size 3 1/4" x 2 1/4" x 3 3/4". Shipping weight 3 lbs. Extra Batteries (2 req'd.) Olson BA-108 (Mercury Cell) Ea. 66c

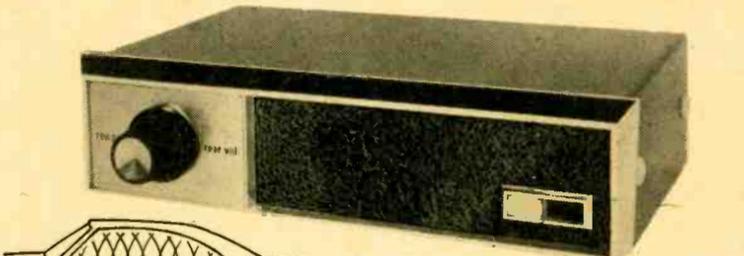
**Olson COUPON VALUE AM-FM Portable/Car RADIO**



- ★ Includes Auto Mtg. Bracket
- ★ Powerful 14 Transistor Circuit
- ★ Operates from Auto Batt. & Ant. (In Car)
- ★ Automatic Gain Control
- ★ For 12 V. Autos, Pos. or Neg. Gnd.
- ★ 5 Push Buttons

Shipping weight 7 lbs.  
**\$59.98**  
\$7 Monthly

**Solid State Reverberation SOUND SYSTEM**



**Olson RA-749**  
**\$12.99**

★ Convenient Under Dash Mounting  
★ Operates Rear Speaker with or without Reverb  
Installs in minutes with no drilling. Handsomely styled with brushed aluminum control plate. Only two wires to rear of car—no complicated hook-up. Combination control/switch turns reverberator on and off and also adjusts balance between front and rear speaker. Connect to your existing rear speaker or select a speaker from those listed below. Complete with instructions and all cable and connectors. Size: 6 1/2" W. x 3 3/4" D. x 1 3/4" H. Operates on 12 volts, neg. ground system. Shipping weight 3 lbs.  
6" x 9" PM Speaker Olson S-224 \$2.76  
Heavy Duty 6" x 9" Olson S-280 \$3.69  
6" x 9" Speaker Grille Olson CA-327 99c

**Deluxe All Transistor Radio**  
★ Easy Installation



**Olson RA-767**  
**\$28.88**

Designed For Volkswagen Auto  
★ AUTOMATIC VOLUME ★ 6 & 12 Volt  
Easy installation. Automatic volume control provides constant, even, comfortable listening... free from drifting and fading. Includes all mounting hardware. Size: 7 1/4" W. x 4 1/2" D. x 1 3/4" H. Uses 4 or 8 ohm speakers. Shipping weight 1 1/2 lbs.  
★ Side Cowl Antenna for VW, No. AA-160 \$2.69  
Deluxe PUSH BUTTON, All Transistor Radio For VW, No. RA-732 \$39.95  
CUSTOM FIT, AM-FM Push-Button Radio For 1967 VW (less speaker) 12 volt. No. AS-150 \$73

**RANGER AUTO RADIOS**



All Transistor

**A FM AUTO RADIO TUNER**  
★ For 12 Volt Negative Ground Autos  
Simply plug into your present radio. No complicated hook up. Full automatic gain control eliminates over-loading in strong signal areas. Advanced designed automatic frequency control. Has output jack for multiplex. Tuning range 88 to 108 megacycle FM band. Size: 6 3/4" x 1 3/4" x 4 3/4". Shipping wt. 5 lbs.  
**Olson RA-679 \$39.98**

**B DELUXE AM RADIO**  
★ 6 or 12 V., Pos. or Neg. Ground  
All transistor circuit requires no warm up. Radio is complete with built-in speaker. Has continuous variable tone control. Slide rule dial is easy to read. Adjustable mounting brackets permit custom fit to the dash panel. Size: 1 3/4" x 4 1/2" x 9". Shipping weight 5 lbs.  
**Olson RA-974 \$29.95**

**C UNDER-DASH FM-AM RADIO**  
★ 12 Volt Neg. Ground  
A complete solid state FM-AM radio in a compact package to fit into any 12 volt neg. gnd. car. Has jack for multiplex adapter. Features continuously variable tone control. Complete with external 5" x 7" PM speaker. Size: 1 3/4" x 4" x 9". For 12 volt negative ground systems. Shipping weight 6 lbs.  
**Olson RA-972 \$59.98**

**D FM Multiplex Adapter**  
★ Red & Green Indicator Lamps  
★ Easy Installation  
★ For 12 V. Neg. Ground Autos  
Connects to Ranger FM auto radio to receive FM multiplex broadcasts. Solid state circuitry for instant operation. Balance control permits adjustment of channel separation. High fidelity audio circuit. Red light indicates when unit is on, green light indicates stations broadcasting in stereo. Easy installation. For 12 volt neg. ground systems. Size: 1 3/4" x 4" x 9". Shipping weight 4 lbs.  
**Olson RA-973 \$79.98**  
\$8 Monthly

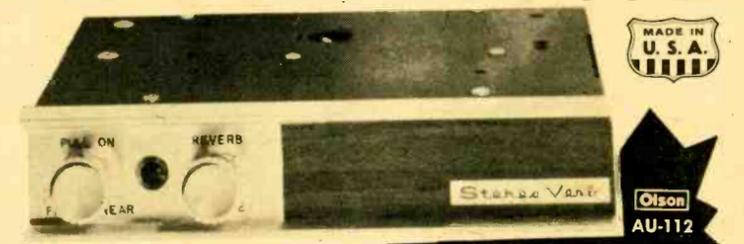
**E MARINE-SHORT WAVE CONVERTER**  
★ 1.94 TO 6.34 MC BAND  
Converts any AM radio to receive marine and short wave band. All transistor circuitry requires no warm up. Built in RF stage for distant reception. 4 MV. sensitivity. Easy installation. Size: 1 3/4" x 4" x 9". For 12 volt neg. ground systems. Shipping weight 4 lbs.  
**Olson RA-971 \$29.98**  
J. T. Griffin, 3020 Craigbaum Rd., Beltsville, Md. 20705; wins choice of merchandise worth \$5 from Olson's "Treasure Hunt." See back cover for instructions.

**AUTO REVERB**

★ 6"x9" Speaker and Grille Included  
★ 12 Volts, Neg. Ground  
Your AM or FM car radio or tape player will take on new dimension with this reverberation system. Installs easily under dash. Handsomely styled with brushed aluminum and woodgrain panel. Operates rear speaker with or without reverb. Bongo effect is completely eliminated. Complete with instructions and hardware. Size: 6 1/2" W. x 3 3/4" D. x 1 3/4" H. Operates on 12 volts DC neg ground. Shipping weight 5 lbs.



**GIBBS TUNABLE 'REVERB' SOUND SYSTEM**



★ Dual Delay Units  
★ Three Silicon Transistors  
★ 12 Volts Neg. Ground  
Recapture all the vibrant, lifelike sound of the original music hall performance. Twin Spring delay units produce full range of musical notes with depth and clarity. Uses special transformer winding to achieve custom mixing control of music and voice program material. Easy installation, no drilling, no screws. Size 6 1/4" w. x 1 3/4" h x 3 1/2" d. Operates on 12 volts DC, neg. gnd. Shipping weight 3 lbs.  
6"x9" PM Speaker, Olson S-224 \$2.76

**AUTO 'REVERB' SOUND Concert Master TUNABLE SYSTEM**



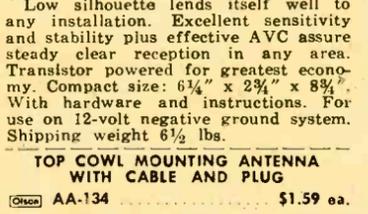
★ Wide Range 6"x9" Speaker  
★ Works In 12 Volt Cars  
★ Transistorized  
★ For Neg. Ground System  
Concert-Master compensates for the absence of reflected waves in a car by reproducing a second set of waves from a rear speaker and acoustically mixing both. This unit can be added to any 12-volt negative ground radio—AM or FM. Includes 6" x 9" speaker with grille plus wiring harness. Rear speaker may be operated with or without reverberation. Made in U.S.A. Shipping weight 7 1/2 lbs.  
Trunk mounted "Reverb" system. Same features as system above but reverb unit mounts in trunk of car. Includes speaker grille and wire. Shpg. wt. 7 1/2 lbs.  
**\$19.99**

**AMP/OIL GAUGE**



★ Illuminated  
★ Modern Styling  
• 60-0-60 Amps  
• 0-80 Oil Pressure  
• Mounting Instructions & Hardware Included  
• White On Black Dial Face  
• Protect Auto Engine From Damage  
Operates on 12 Volts DC. Shpg. wt. 2 lbs.  
**Olson ME-154 \$4.98**

**12-VOLT AUTO RADIO**



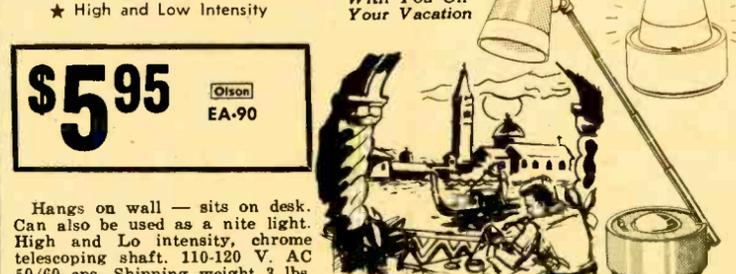
★ With Built-In 4" Speaker  
★ Slide Rule Tuning Dial  
Low silhouette lends itself well to any installation. Excellent sensitivity and stability plus effective AVC assure steady clear reception in any area. Transistor powered for greatest economy. Compact size: 6 1/4" x 2 3/4" x 8 3/4". With hardware and instructions. For use on 12-volt negative ground system. Shipping weight 6 1/2 lbs.  
TOP COWL MOUNTING ANTENNA WITH CABLE AND PLUG  
**Olson AA-134 \$1.59 ea.**

**Olson Transistor Auto Radio SPEAKER KIT**



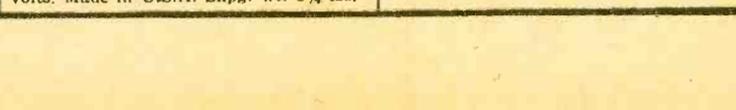
★ With Grille, cable and switch  
★ 6"x9" Speaker or 10-20 40 ohm  
6"x9" Multi-Ohm SPEAKER (10-20-40 ohm) Olson S-661 \$3.98  
4"x10" Multi-Ohm SPEAKER (10-20-40 ohm) Olson S-662 \$4.19  
Shipping weight 3 1/4 lbs.

**MICRO LITE**  
★ High and Low Intensity



Take It With You On Your Vacation  
**\$5.95** Olson EA-90  
Hangs on wall — sits on desk. Can also be used as a night light. High and Low intensity, chrome telescoping shaft. 110-120 V. AC 50/60 cps. Shipping weight 3 lbs.

**22 WATT MAGNIFIER LIGHT**  
★ Turns In a Full Circle



**\$24.99** Olson EA-52  
3 for \$74  
Large 5" diameter, four power magnification lens surrounded by a 22 watt circline fluorescent tube provides cool shadowless lighting. Can be raised or lowered; extends to 45". Mounts to desk, etc. For 110-125 volts. Made in U.S.A. Shpg. wt. 8 1/4 lbs.

**"Adjust-A-Lite" KIT**



LESS BULB  
**\$11.95** Olson EA-69  
Clamps to desk or horizontal surface. For 110-125 volts AC. Shpg. wt. 4 1/2 lbs.

# Olson®

## EXCLUSIVE PURCHASE!



### The Chairside MEDITERRANEAN STEREO CONSOLE TABLES



Tables, When Completely Stereo Equipped, Sold For

~~\$399.95~~  
~~399~~



OVER-ALL SIZE:  
29 3/4" D x  
23 1/2" W x  
21 3/4" H  
CHANGER COMPARTMENT:  
18 5/8" W x  
12 3/4" D x  
5 3/8" H  
RECEIVER COMPARTMENT:  
20 5/8" W x  
8 1/4" D x  
6 1/2" H

Each Table Cut For 12" Speaker

Olson CA-387

## BOTH FOR

# \$122

(Less Stereo Components)  
\$11 MONTHLY  
WEST COAST PRICE:  
\$144 PAIR, LESS COMPONENTS

- Beautiful sculptured styling
- The finest solid woods
- Large record storage compartment
- Use as end tables and/or stereo cabinets
- Warm walnut with distressed finish
- Factory sealed cartons
- Manufactured by "American of Martinsville"
- Compatible with almost any style furniture
- Selected hardware adds decorator touch
- Group with other furniture or stand alone

Shipping weight 130 lbs. pair

Sit "between" the music and experience the unique sound of earphone listening. Arrange your room with highly styled furniture that doubles as end tables. Change records while sitting — from glide-out changer.

Tables, when completely stereo equipped, Sold for

~~\$399.95~~

• Both Tables Cut For 12" Speakers

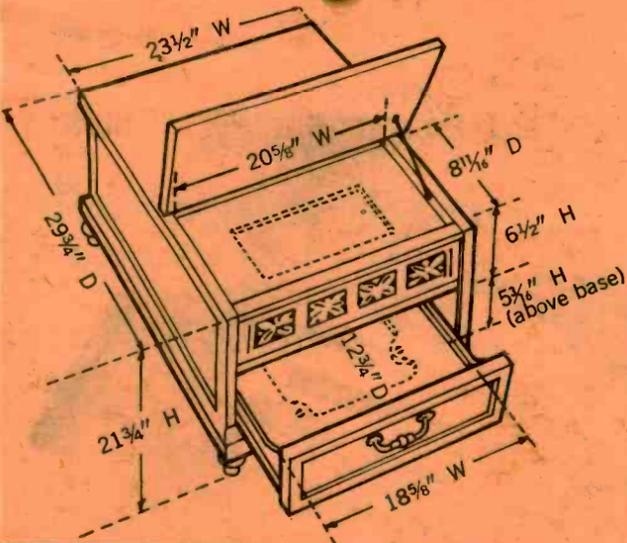


BOTH FOR  
**\$122**

(less stereo components)

No. CA-386  
\$11 MONTHLY

WEST Coast Price: \$144 pair, less components



Suggested Receiver: Symphonic AM-FM-MPX with 40 watts output (see RA-15 on page 15)  
No. RA-15 **\$129.99** • Mounting template included



Suggested Changer: Garrard Model 30 RP-361 **\$39.50**  
Complete with ceramic turnover cartridge and mounting template. (See RP-361 on page 17)

#### SUGGESTED SPEAKERS—SALE PRICED

When purchased with CA-387 or CA-386 Cabinet. (SEE COMPLETE DESCRIPTION PG. 12)

**GOOD**  
No. S-784  
Reg. \$27.99

**BETTER**  
No. S-785  
Reg. \$39.98

**BEST**  
No. S-716  
Reg. \$79.98

WITH CABINET...**\$20**

WITH CABINET...**\$25**

WITH CABINET...**\$35**



Bedroom



Waiting Room



Storage Cabinet



### Chairside TRADITIONAL STEREO CONSOLE TABLES

- Beautiful walnut finish
- Functional modern styling
- Professional craftsmanship
- Blends with any decor
- Stain and mar resistant
- Solid woods

Shipping weight 130 lbs. pair

# OLSON ELECTRONICS

260 S. Forge St.  
Akron, Ohio

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