

# the BEST of the best!



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# Clearest, most fact-packed Dictionary of its kind!

Over 16,000 Definitions! Over 450 Illustrations! 608 Pages!

Covers virtually everything there is in electronics! If it's been studied . . . if it's been invented you're almost sure to find it in this dictionary. Covers high-fidelity, Citizens Band radio, Amateur radio, fiber optics, computers, semiconductor design,

microelectronics, antennas, tube design, microwave, printed circuits, electricity, recording, public address, television, FM, AM, test equipment ... you name it ... you'll find it in this SUPER-DICTIONARY.

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ALWAYS Open!

# There's no other catalog like this one!

THE buying guide for kit builders, hobbyists, Hams, CBers, experimenters-everybody.

#### 1000's of Products!

Chock full of the "pieces and parts" that keep equipment working, the items that are hard to find (or not sold!) in most stores in the nation. Batteries, tubes & transistors, cables & connectors, special hardware, tapes, speakers, antennas-you name it.

#### 100's of Exclusives!

Products of our own design and engineering. These are our own "private" brands: Realistic, Archer, Radio Shack, Allied, Knight-Kit, Science Fair. And quality for quality, Allied Radio Shack brands cost you less—the "discount" comes off before the price goes on!

#### Everything is Easy to Find!

Find exactly what you need in this catalog, unhurried, in the comfort of your home. Then go to your nearby ARS store and pick up your selections. Our computer system keeps every store stocked with what's in this book-no wasted trips when you shop the "Shack."



way to buy, and mail boxes are always open.

store list,

see page 65



Get Discount\* Prices on Anything in This Catalog!

\*DISCOUNT TO BE TAKEN OFF CAT. 215 SINGLE-UNIT PRICES. ITEMS MAY NOT BE ASSORTED. WE'LL ALSO QUOTE ON ANYTHING NOT LISTED BELOW. WRITE!

MUNICIPAL • SCHOOLS • CLUBS • LABS
HOSPITALS • PREMIUMS • DEALERS
BUSINESS • CHURCHES • CONTRACTORS

OUR TERMS: NET 30 DAYS, FOB ALLIED RADIO SHACK STORE OR WAREHOUSE NEAREST YOU.

Page	Equipment	6-11 of One Item	12-49 of One Item	50-499 of One Item	500 or More of One Item	
5-9, 14-16	Antennas, TV-FM	10%	15%	20%	25%	
10-13	Antenna Accessories			20%	25%	
22-35-43-47	Audio Accessories		15%	25%	33%	
69-70-71	Batteries ARS Brands		See Pages	See Pages	30%	
17-21	CB Antennas, Accessories		10%	15%	20%	
80-100	Electronic Components			25%	33%	
101-125	Knight-Kits	5%	10%	12%	Write	
101-128	Science Fair Kits	10%	15%	20%	33%	
40-42	Tape Accessories		10%	20%	25%	
36-39	Tape, Recording		See Pages	See Pages	30%	
50-53	Test Equipment	7%	12%	17%	25%	
76-79	Tubes	Big Discounts — See pages				

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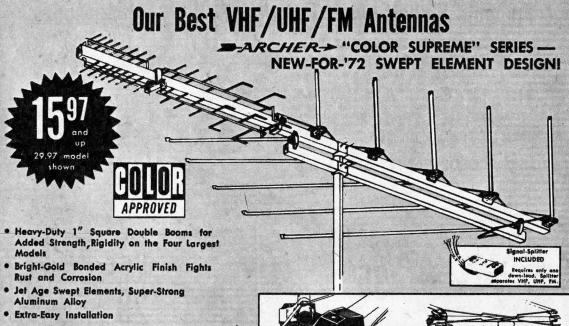
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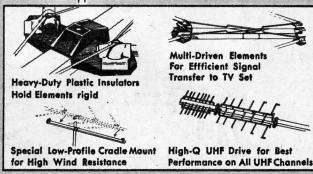
Full Color! 92 Pages!

If we don't mail you a copy by Sept. 24th, get your personal copy at a store near you.

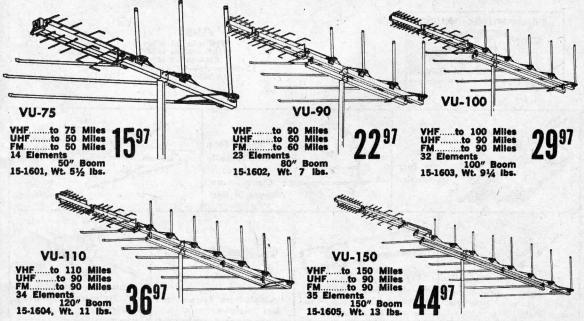


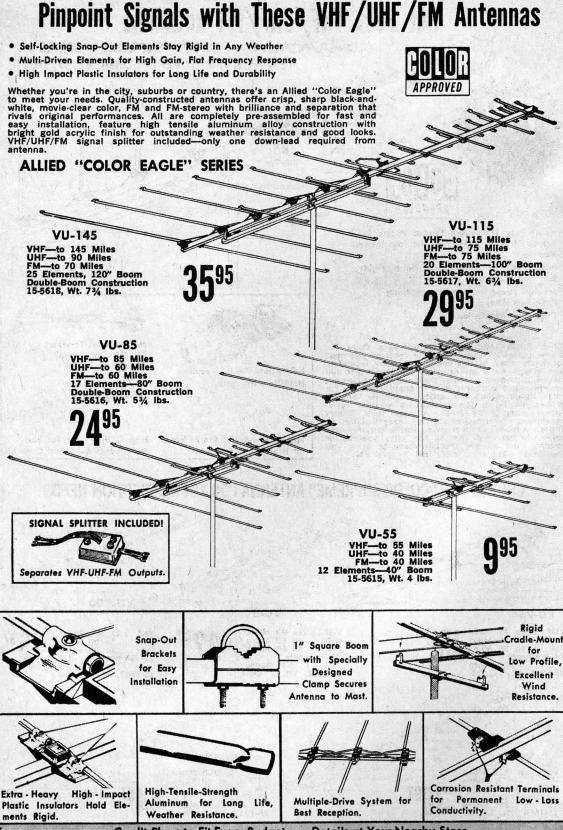


Allied Radio Shack's high-performance Color Supreme Series is loaded with the features you need for crisp, clear black-and-white or color reception. Also brings you a strong, clear FM signal with full stereo separation. Newly designed swept-element system aligns elements in a tri-angular pattern for extra signal pickup and efficient transfer. Special gold-acrylic finish for outstanding weather resisance, lasting good looks. All are fully factory assembled and designed for fast, easy installation. There's a model to meet your specific requirements too — whether you live in the city, suburbs or country. And all are specially-made to bring you the finest signals on VHF/UHF TV and FM.











# **Antenna Rotators for Movie-Clear TV**

Proper antenna direction is essential for better "all around" reception —especially of color TV. Exact directional control gives you the best signal from EVERY station for the clearest picture in all reception areas. Improves FM stereo, too.

#### ARCHEROTOR® AUTOMATIC ROTATOR



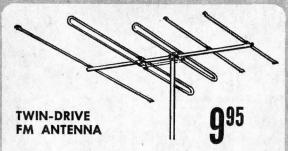
- · Vinyl-Covered Control Unit
- Weather-Proof Die-Cast Housing
- Mechanical Brake Locks Antenna
- Lifetime Lubricated Bearings

100-FT. HEAVY-DUTY 20-GAUGE ROTOR CABLE -Conductor. 3 lbs. 15-1152. 3.49 5-Conductor. 3 lbs. 15-1201. 4.49



- Powerful Brake Prevents Overshoot
- Directionally Accurate to ±0.5%
- Turns a Full 360° in Less Than 1 Minute

# FM Antennas for Optimum Stereo Reception



- "Double-Drive System" for Reception to 110 Miles
- Gold-Vinyl Finish For Use in Any Climate
- Sturdy Construction with Snap-Lock Elements

Get really improved FM or stereo-FM reception from up to 110 miles. Specially designed elements offer flat frequency response over the entire 88-108 MHz band—hear mono FM that's crisp and clear, FM stereo that rivals the original concert-hall performance. 72" boom, durable snap-lock construction keeps elements rigidly in place for distortion-free reception. Heavy-duty thick-wall aluminum, crush-proof mast clamp. Weather-resistant vinyl finish for years of long life and dependable performance even in severe weather conditions. Completely preassembled for fast and convenient installation. venient installation. 

#### FM ANTENNA KIT FOR CITY OR SUBURBS

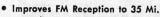
- 360° Reception Pattern
- With 50' Lead-In, 5' Tripod Mount, Standoffs

Ideal for city and near-suburb uses. Offers clear, interference-free reception on both mono and stereo FM. 360° pickup pattern, ultra-flat frequency response. Fully assembled, weather resistant finish. With 50' lead-in, 5' tripod mount, standoffs.

15-1635. Wt. 4½ lbs. ...........9.95

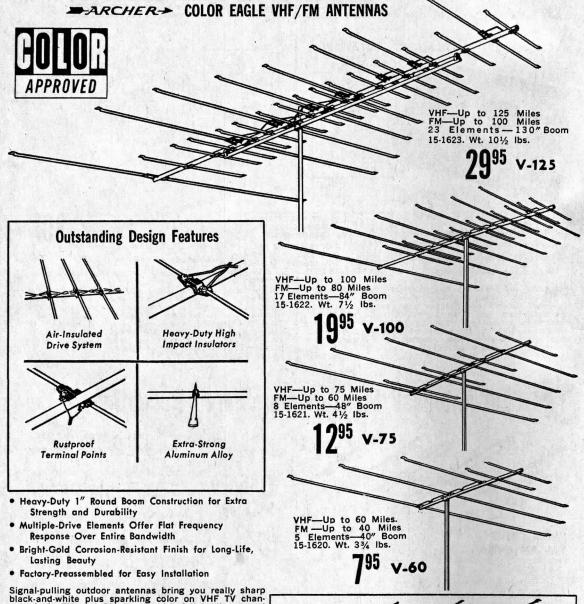
OMNIDIRECTIONAL FM STEREO ANTENNA

—FOR INDOORS OR OUTDOORS



• "S" Design for 360° Pickup Pattern

# High-Quality VHF Television and FM Performers

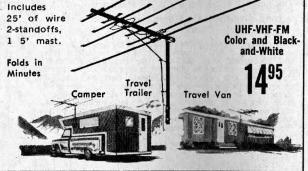


Signal-pulling outdoor antennas bring you really sharp black-and-white plus sparkling color on VHF TV charnels 2-13, FM and FM stereo with full brilliance and concert-hall separation on 88-108 MHz. Feature all-aluminum construction for excellent conductivity, aluminum terminal points for highly efficient down-lead connections and low signal loss. Self-locking snap-out elements for strength and rigidity, heavy-duty insulators for greater weather durability. Choose the one that meets your particular antenna needs.

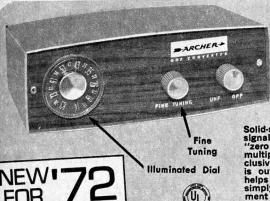
# NEW! ALL CHANNEL ANTENNA KIT FOR MOBILE HOMES AND CAMPERS

Take top reception right along with you! Features stronger aluminum alloy, low-loss tuned coil to really get the signals. Install in minutes for really improved reception—folds compactly and quickly for easy traveling. Snap-lock aluminum construction, wall-thru insulator holds lead-in securely.

15-1613. Ship. wt. 5 lbs. 14.95



# Get the Finest UHF Reception at Low Prices

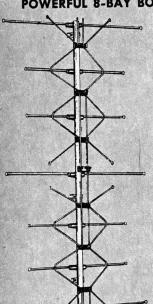


#### Update Your Pre-'65 Set or Replace Defective UHF Tuners Inexpensively

1995

- Add 70 UHF Channels to Your TV
- Improves Color or Black-and-White
   Positive Tuning, Easy-to-Read Dial
- Includes UHF Loop Antenna
- Tuner RF Stage for Top Selectivity

#### POWERFUL 8-BAY BOW-TIE UHF ANTENNA

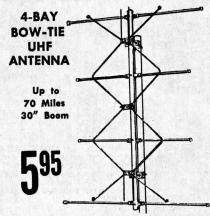


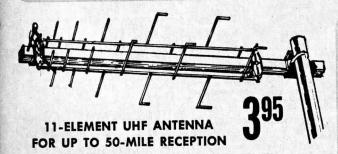
Up to 100 Miles of Crystal-Clear Reception on Channels 14-83

1395 Up to 100 Miles 60" Boom

- Designed for Fringe Areas
- All-Aluminum Construction
   High-Impact Plastic Insulators

Important design features give your set the best reception of any comparable UHF antenna. Features up to 37% more gain, has special multi-resonant reflector to capture only intended UHF signals. Continuous-aluminum-wire driven element is diamond phased for outstanding frequency response resulting in life-long color plus crystal clear sharp, black-and-white-reception. High-impact plastic insulators and sturdy 60" boom. Weather resistant all-aluminum construction assures long-lasting dependability. Gold-color vinyl finish fights rust and corrosion. Preassembled for fast and easy installation, all you do is snap elements into place.





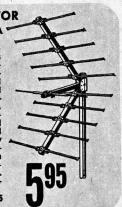
Pulls in channels 14-83 up to 50 miles away, depending on weather and terrain. Has 30" boom, "expensive model" design for flat frequency response. Performs excellently on all UHF channels, especially hard-to-get channels 50-83. 1" square boom, weather resistant finish, fully assembled.

15-1630. Ship. wt. 2½ lbs.

3.95

CORNER REFLECTOR

Features multi-resonant driven elements for wide frequency response—channels 14-83 come in crisp and clear for color and black-and-white reception up to 50 miles. Special tabbed reflector ends and plugged boom ends, cut wind resistance. Sturdy weather-resistant aluminum construction for long life, dependable performance. Completely preassembled.



# **Antenna Mounts and Masts for Quality, Permanent Installations**





Extra-heavy gauge aluminum construction for sturdy, long-lasting mounts. Extends 6" from wall to overcome obstacles and overhangs. Mounts easily with just two screws, "U" clamp holds masts up to 2½" diameter. With mounting hardware, "U" clamps.

15-890. Ship. wt. 1½ lbs. ........Pair 3.49

#### **GALVANIZED STEEL MASTS** WITH GOLD ENAMEL FINISH

#### 5' ALUMINUM MAST

Gold alodized to fight rust and 

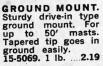
#### **HEAVY-DUTY TELESCOPING** ANTENNA MASTS

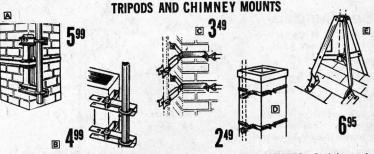


Raise your TV or FM antenna high enough for "perfect" re-ception. Hot-dipped galvanized steel masts have zinc coating to eliminate rust, section interlocks eliminate rust, section interlocks to prevent slipping. Heavy-gauge guy rings stop guy wire tearing, flanged interior and crimped exterior for sturdier joints. Fully assembled for easy installation. 20' MAST. Ship. wt. 15 lbs. 9.95 30' MAST. Ship. wt. 20 lbs. 15-5066. 14.95 40' MAST. Ship. wt. 33 lbs. 15-5067. 19.95

#### UNIVERSAL MAST BASE. Can be used anywhere. Bolt slips through

hole in mast. Wt. 8 oz. 15-5068. ....1.95





A HEAVY-DUTY 1-PIECE CHIMNEY MOUNT. The finest mount made. 12-gauge main bracket is embossed for greater strength. Corner bracket is corrosion proof, galvanized .050 aluminum. Corner bracket also designed to protect 100 extrapolar transport. 

B RACHET CHIMNEY MOUNT. Quality construction. Designed for easy, quick fastening of TV or FM antenna mast (1-13/4" outside diameter) to fit any chimney. Uses stainless steel straps to eliminate rust. Complete with 3/4"x18' 15-839. Shpg. wt. 4 lbs......4.99

D SET OF 2 "Z" CHIMNEY MOUNTS. Set of 2 "Z" mounts. Each with heavy duty 3/4"-10' stainless steel straps. 15-476. Shpg. wt. 21/2 lbs......2.49

E 3-FOOT TRIPOD MOUNT. Perfect in high wind areas. No guy wire necessary —pre-assembled mounts. 11/4" tubular legs. Accommodates masting up to 13/4" 

WALL, VENT AND ROOF MOUNTS



E BASE AND ROOF MOUNT. Designed Fig. 2 and Root Mooth Designer for fast 'n easy one-hand installation. Simply bring mast to upright position and it automatically locks into exclusive "U"-bolt. Swivel base fits slope of practically any roof. Long-lasting 

WENT PIPE MOUNT. The easiest way to a fast, permanent mount. Attaches up to 4" vent pipe. Great for installations where no chimney is present. Simply attach brackets and snap antenna mast into place. With single front locking carriage bolt, all mounting 

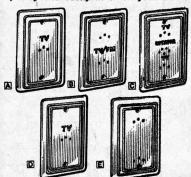
MOUNT). For roof, attic or window mounting of up to 1½" diameter masts. U-bolt for easy swivel. Must be guyed 

F 4" WALL MOUNTS. Hold mast 4" from wall. U-bolts. Easy to install. 15-883. Ship. wt. 1½ lbs.......99¢

# Radio Shack Has Everything in Antenna Accessories

## SURFACE AND FLUSH MOUNTING SOCKETS

For VHF, UHF, FM and Rotor connections. For convenience and neatness. Ivory molded polystyrene. Install quickly and easily in or on your wall.



WEATHERPROOF "WALL-TUBE"

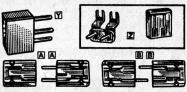
A Single flush mounting for TV	or
FM installation; 300 ohm without	ro-
tor. Constant impedance for stron	ger
signal. With mounting bracket	
mating plugs.	
15-1186. Shpg. wt. 8 oz	99¢
B Double flush socket for single	



LEAD-IN SOCKET

#### TRANSMISSION LINE CONNECTORS

A wide selection of solderless plugs, sockets, and connectors. Specially designed for use with flat, oval, round, and shielded antenna twin line and multiple conductor rotor cables. Easy to assemble without soldering—just strip wires, insert, tighten screws. All are molded of low loss polystyrene for constant impedance. Order now at these bargain prices!

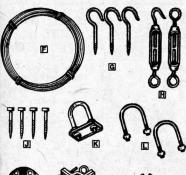


Mail receptacle plugs—compact, easy-to-use. Solderless. Mates with all surface, flush sockets. Get yours to-day!

day! 15-1178. Two Plugs. Wt. 2 oz. ....39¢ 22 Input Adapter and Line Socket. Ideal for TV boosters. Solderless. Adjust lugs. 15-1194. Plug and Socket. 2 oz. 49¢

B B Polarized Transmission Line Connector. Solderless. Prevent reversal of polarity when splicing. 15-1199. Two Connectors. 2 oz. ....49¢

#### RUGGED GUY WIRE AND GUY WIRE ACCESSORIES



All the accessories you need for a sturdier and more safe installation. Everything needed to put up that new TV or FM antenna and have it work at peak performance.

Stock No.	Fig.	Description	Lbs.	EACH
15-031	F	100' Galv.Steel Wire	21/4	.99
15-033	F	40' Alum, Guy Wire	2	1.19
15-037	F	40' Plastic-coated		
		Steel Guy Wire	1	.99
15-825	G	3 Guy Wire Anchors	1/2	.39
15-829		2 Guy Wire Turnbuckle 75%" open,		
		51/2" closed	1/4	.69
15-833	1	Set of 4½x1½" Slotte Hex Lag Bolts. Heavy	y .	
		Duty for Mounting	1/2	.29
15-826		U-Bolt and Clamp	1/4	.39
15-830		2 U-Bolts with Nuts	1/4	.29
15-835	M	11/4" Guy Ring and Collar	1/4	.39
15-827	N	Guy Wire Clamp with		
		Bolts for tightening	1/4	.49
15-850	P	3 Guy Wire Cable		
	Party.	Clamps	1/4	.99

#### EASY-TO-INSTALL STAND-OFFS



Use these handy items to keep your lead-in from moving in the wind or rain. These stand-offs prevent cable moving which can cause static on your picture or on your radio. Makes installation much nicer. Gives it that professional look. Av. wt. 6 oz.

Stock No.	Fig.	Description	EACH
15-853	R	4-31/2" Wood Screw	.29
15-854	R	4-51/2" Wood Screw	.39
15-855	R	4-71/2" Wood Screw	.49
15-820	S	2 Masonry Type	.34
15-821	Ť	2 Nail-in Types	.29
15-822	W	2 Snap-On Type	.29
15.922	Y	2 Strap On Type	24

#### 3-WAY ANTENNA CLIPS



For UHF-VHF-FM. Connects 300 ohm line from TV or other screw-type output or input. No screws, no solder required. Designed for quick disconnect and hookup, they're great for portable TV setups, many other uses. Buy a set for each TV and extras. 15-832. Ship. wt. 4 oz. ...... 2 for 39¢

#### INDOOR TWIN LEAD NAILS





STAND-OFF INSULATORS 29° Set of

# ARS is Your Headquarters for TV Wire and Accessories



Copper Covered Wire

Low-Loss Foam Encapsulation

Dense Polyethylene Jacket

82-CHANNEL 300-OHM SHIELDED TV CABLE

595 50 Feet

For better reception on all channels—UHF and VHF. Has the advantages of coax cable plus the convenience of NO TRANS-FORMERS and uniform 300-ohm balanced impedance. Mylar backed aluminum foil wrap for 100% shielding from noise pickup and color smear. 15-1177. 50' Cable. Ship. wt. 3 lbs. 5.95 15-1176. 100' Cable. Ship. wt. 3 lbs. 10.95

#### LOW-COST, ALL-PURPOSE TV-FM TWIN LEAD

22-gauge, 40-mil cable recommended for indoor TV installations. Low-loss design, easy to handle. Wt. 1½ lbs. 15-04. Economy Twin Lead.75-Feet.....99 15-1158. Clear Twin Lead.50-Feet.....99 15-1158.

#### STANDARD GRADE TWIN LEAD

10-strand cable designed for low-cost 10-Stand Caple designed 10. 10. 1.19
15-1153. 50-Feet. Wt. 1 lb. 1.19
15-1154. 100-Feet. Wt. 2 lbs. 1.99

**OUR BEST UHF-VHF 300-OHM TV CABLE** FOR SUBURBAN & FRINGE AREAS

50-Feet So good we unconditionally guarantee it for 20 years! Low-loss foam space web, copper-covered reinforced wire, dense polyethylene jacket that resists abrasion and ultraviolet rays. Designed for outstanding color TV reception on UHF and VHF 15-1174. Twin Foam. 50 Feet. Ship. wt. 3 lbs. 2.59 15-1175. Twin Foam. 100 Feet. Ship. wt. 5 lbs. 4.99

#### ECONOMY LOW-COST FOAM 300-OHM WIRE



Has 22-gauge copper core reinforced conductor for good reception of all channels. Specially designed for efficient signal transfer even when used on long hookups. Easy to handle and install. 15-1202. 50 Feet. Ship. wt. 3 lbs. ... 1.99 15-1203. 100 Feet. Ship. wt. 5 lbs. ... 3.59



 Transformers Match Antenna to Coax Cable for Best Reception

Eliminates Fading & Ghosts

Brings you excellent color and black-andwhite reception, delivers a good strong signal to your set. Has outstanding signal transfer characteristics for FM and FM stereo too. Special transformers convert your 300-ohm antenna to 75-ohm coax cable system—commercially-proven in color TV reception. One transformer attaches to antenna terminals, the other attaches to coax cable downlead at TV set. Use with coax cable below for crisp, clear color, black-and-white, stereo 



#### 82-CHANNEL FOAM COAX CABLE

Screws into transformers above for use with 300-ohm antenna systems. Delivers the high signal from 300-ohm antenna, but provides shielding protection of RGT9U coax cable. 15-1526. 50 Feet. Ship. wt. 3 lbs. 4.97 15-1527. 100 Feet. Ship. wt. 5 lbs. 8.97



100-FT. HEAVY-DUTY ANTENNA ROTOR CABLE

Low 249

20-gauge. Use 4-conductor type 20-gauge. Use 4-conductor type for Archerotor (15-1221), 5-conductor-type for Servo-Rotor (15-1220). Ship. wt. 3 lbs. 15-1152. 4-Conductor. 3-49 15-1201. 5-Conductor. 4-49



TELEVISION CHEATER CORD 18 - gauge, 2 - con-

ductor cord with molded connector. Fits all standard standard receptacles, "must" for servicing. 15-011. 8 oz. ... 39¢

40-FT. GROUND WIRE High-quality #8 wire at a low, 

# 4-FOOT GROUND ROD





BRIGHTENERS Specially Designed for Top Performance Where Other

Makes Fail!

Universal picture tube brighteners engineered for outstanding performance. outstanding performance. Renew brillance, contrast, sharpness and detail of your picture tube and prolong its life. Requires no special knowledge, soldering or wiring to install—all you do is just plug it in!

FOR B & W SETS A Duodecal Base. Parallel or Series. Standard 12-pin

B 110° RCA with Button Base. Parallel, series. Smallest wire pins. 

FOR COLOR SETS © 70° Shell Base. For

round color tubes. 15-641. .....5.95 10 90° Button Base. For rectangular tubes. 15-642. 6.95









# Value-Priced Accessories for Better TV — Why Pay More?

FILTER

#### LOW COST TV INTERFERENCE FILTER

· High Efficiency

· Easy Hookup

End "snow", ghosts and interference from airplanes, neon signs, household appliances. etc. Installs easily on all makes of TV, simply attach to antenna termi-15-582. 4 oz. ......1.49

USE 2, 3, 4 VHF/UHF-TV OR FM SETS ON ONE ANTENNA

 Mounts Easily and Quickly on the Back of Any TV Set

 Provides High Signal Isolation . . . Low Splitting Loss

ARCHER. Don't put up another antenna—use the one you've got for those extra TV sets. Signal splitter lets you couple 2, 3, or 4 sets to the same antenna quickly, economically—and you'll get the same good picture and sound. High isolation prevents interaction between sets. Also connect as many FM sets to your antenna. Ideal in strong signal areas. 15-1501. 2-Set Coupler. Shpg. wt. ½ lb.....1.49 15-1502. 4-Set Coupler. Shpg. wt. ½ lb.....1.99





#### TV NOISE TRAPPER PLUGS INTO AC **OUTLET TO REDUCE NOISE**

Helps stop noise, ends streaky pictures, static, interference - filled recep-tion. Plug TV into trap-per, trapper into AC out-15-583. .....99€

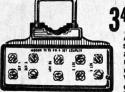
#### DELUXE INDOOR/OUTDOOR VHF-UHF-FM COUPLERS

INDOOR VHF-UHF-FM SIGNAL SPLITTER

SPLITS SIGNALS FROM SINGLE DOWNLEAD

749 • Saves You the Installation of Another Antenna · Gives Excellent Reception of Picture, Sound

ARCHER. Operate two sets from a single antenna without interaction between sets and with equally good reception at each set. Use with television sets as well as FM sets. Rugged, heavy-duty model mounts as well outdoors as in. Can also be used to combine the outputs of any two VHF or UHF/VHF antennas into one downlead. Eliminates complicated signal-losing wiring setups. Highly efficient.



249 • Connect up to Four Sets to One Antenna • Provides Excellent Isolation Between Sets

#### COLOR TV "GHOST" **ELIMINATOR**

 Sharpens Color Picture Tone

Eliminates "ghosts" and for all, also reduces interference from radio or TV transmitters near-by. Adjusts for UHF and VHF. 15-1114. Ship. wt. 4 oz. 3.99

#### AC LINE INTERFERENCE FILTER

· For Color, Black-and-White TV Pictures



# 

#### VHF/UHF SPLITTER-COUPLER-COMBINER

 Combines UHF, VHF Downleads Split Signals from Single Lead-ins

ARCHER. Ideal for adding a UHF antenna to your VHF installation. Mount one unit on mast and one at the set to combine a single downlead from UHF and VHF antennas. Can also be used individually with single-downlead, all-channel antennas to split the UHF/VHF signals.

15-1137. Shpg. wt. ½ lb. 2.99



#### TV TUBE PROTECTOR -PLUGS INTO ANY AC OUTLET TO EXTEND TUBE LIFE

Prevents Harmful Line

**Voltage Surges** Prevent bothersome and expensive tube burnout because of line volt-age surges when set is turned on. Built-in electronic thermistor blocks surge currents at AC outlet. Pre-vents overload, gives better perform-

LIGHTNING ARRESTORS PROTECT YOUR ANTENNA & ROTOR

• Ends TV "Picture Noise" Due to Static Charges

Economy UHF - VHF model includes all mounting hardware. 15-911. 4 oz. .....99¢ Heavy-duty UHF-VHF model for heavy-gauge leads. Can't snap. 15-912. 4 oz. ......1.89

Rotor arrestor provides completely safe 4-wire installations. 15-914. 4 oz. .....1.89 arrestor

Archer Indoor Antennas—The Easy Way to Top Reception

Archer Indoor Antennas—The Easy Way to Top Reception

Archer Golden GLORY"—OUR

24k Gold

Color

BEST INDOOR ANTENNA—COMPARES WITH MANY OUTDOOR MODELS

VHF/UHF/FM

- 24-Karat Gold Electroplated Loops
- Dual "Color Tuning Loops" for Super Sensitivity
- Precise Adjustable Picture and Color Controls
- Decorator Styling Matches Most TV Receivers

Has every feature for top color and black-and-white reception of channels 2-83, even offers dramatic improvement on mone and stereo-FM broadcasts. 24-karat-gold electroplated loops for superior color or black-and-white reception. 12-position picture control regulates amount of signal sent to your set—reduces overloads to eliminate tear, smear and multiple ghosts. Two "color tuning loops" let you pinpoint signals for the clearest color ever on an indoor antenna. 6-section telescoping arms with real signal-pulling power. Fully assembled and ready to use—simply hook up to your antenna terminals for instantly improved reception. Decorator styling case with futuristic-design loops and coils makes a handsome appearance in any setting.

24.95

DELUXE 45" MODEL

- **Dual "Power Boosters"**
- Air-Dielectric Lead-In
- Special Color Switch

Has separate VHF-UHF color control to remove picture impurities and feedback, air-dielectric transmission line eliminates washout. 45" telescoping dipole arms, 12-position picture control. 15-1544. Ship. wt. 3 lbs. .....14.95

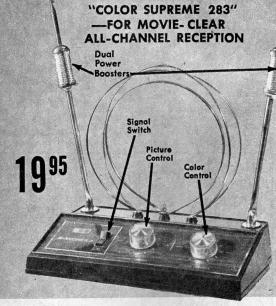
4-SECTION 45" MODEL

- Improves Color, Black-and-White
- 12-Position Tuning Control

Quality-crafted all-channel antenna for sharp, clear local-area recep-tion. High-gain electronic network, heavy-duty UHF loop element. Handsome styling. 15-1543. Ship. wt. 3 lbs. .....9.95

**BUDGET-PRICED 45"** 4-SECTION MODEL

- Boasts UHF Color-Phasing Loop
- 12-Position Electronic Tuning



- "Dual Power Boosters" Electrically Extend Dipoles
- 4-Conductor Air-Dielectric Transmission Line
- Adjustable Rotating Color Loop for Top Reception
- 12-Position Electronic-Tuning Picture Control

A powerful indoor model that really makes an improvement in color and black-and-white reception—even in fringe areas. Power booster coils electrically extend dipole arms—pull in extra-clear signals with a minimum of arm adjustments. Air-dielectric transmission prevents color washout due to poor insulation factors and provides outstanding low-loss signal transfer from antenna to set. Built-in VHF/UHF interference rejection network eliminates cross-talk and picture distortion. Hand-wired solid-state circuitry and heavy-duty construction assure years of touble-free service. Handsomely styled dipole elements and case provide a complementary look to any decor. Fully assembled and ready to install—includes transmission line. 

Telescoping

Dual Power

Booster

Arms

# Archer Full-Power Indoor Antennas NEW FOR '72

Unique Design Gives You A "Tower" of Color TV Power— Telescopes AND Rotates for the Best UHF and VHF Pictures

- Elegant Styling Enhances Decor of Any Room
- Fingertip Control 12-Position Fine Tuning Switch
- Telescoping 4-Section "Disappearing" Dipoles
- Full Cushion Felt Base Will Not Harm Set Surface

For movie-clear color, crisp black-and-white on all UHF and VHF channels. "Signal tower" design heightens antenna for best signal pulling power, top section rotates VHF dipoles and UHF dual power loop for best possible positioning. 12-position fine tune control "locks" on to best picture—clears up interference. Slide switch instantly provides UHF or VHF reception. Rich walnut design with gold trim, VHF dipoles and dual UHF loops have satin-chrome-plate, 15" high, (with elements folded down).

15-1811. Shipping weight 3 lbs.

Quality Performance Features!





Fine Tunina VHF/UHF Switches



**Dual UHF** Power Loops

#### **VALUE-PRICED 39"** TELESCOPING ANTENNA

- **Electronic Fine- Tuning**
- Impedance Matching Loop
- Separate UHF/VHF Transmission Lines

All-channel design for high-quality color or blackand-white reception. Brass dipole elements, 12 position tuning control. Quality construction for reliable performance. Handsome styling. 15-1541. Ship. wt. 2 lbs. 5.95



#### STEREO KING FM ANTENNA REALLY PULLS IN STATIONS

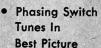
- Cuts FM Station Drift
- Reduces Interference
- 12-Position Tuning Control
- Enhances Stereo Separation

Improves reception on just about any FM stereo receiver or tuner. Has telescoping dipoles and brass loop for station-pulling power. Up to 10 times more effective than conventional built-ins! 15-1073. Ship. wt. 2 lbs. 6.95

# NEW FOR '72

#### **ALL-CHANNEL MODEL STYLED** TO LOOK GOOD ATOP ANY CONSOLE TV

 Handsome Styling with Cushion Felt Base



Rotatina UHF Loop Scans for Best Reception



Elegantly styled and built with all the features you need for quality reception. Dual UHF loop for strong signal pickup, 4-section full-frequency satin-chrome-plated VHF dipoles. Twin transmission lines for full signal at UHF and VHF terminals. Special color-balanced design sharp-ens color, pulls in high contrast black-and-white too. Felt cushion base protects TV console or table surface—handsome styling blends well with any decor.



**VHF ANTENNA** 49 REPLACEMENT ROD FOR CONSOLES AND PORTABLES

Replaces any 4 or 5-section telescoping rod on VHF antennas. 4-section telescoping rod extends to 38", collapses to 103/4", Quality constructed for long life and high reliability. Easy installation.

15-956. 1 lb. ...... 2.49



Offers fingertip on-off control for any appliance from up to 15' away. Use for radios, lamps, TV's. Simply plug remote control into AC outlet and plug device into control. With 15' cable. Made in U. S. A.
15-1160. Ship. wt. 8 oz. 1.99

#### **UHF REPLACEMENT LOOP** FOR TV's, CONVERTERS,



15-955. 1 lb. ......1.29

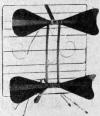
Excellent replacement for broken or lost UHF loop antennas. Installs easily with just a screwdriver. 

TV TIME SWITCH WITH 20' CORD



available picture. For local reception areas.
15-626. 3 lbs. ......3.99

#### TABLE-TOP UHF ANTENNA FOR BEST RECEPTION



Fine performing in-door UHF antenna for both color and black - and - white. Has twin ebony bow-ties, brass re-flector grid. Rub-ber feet on base will not mar furniture. Tip-proof. 15-623, 2 lbs. 3.99

#### PRIVATE RADIO AND TELEVISION LISTENER COMPLETE W/EARPHONE



Late-Night Movies and Talk-Shows

# NHF/UHF Monitor Antennas

#### A HI-LOW VHF BAND

#### M INDOOR UHF BAND

#### **B** DUAL-BAND VHF GROUND PLANE

#### DUAL-BAND COWL MOUNT

#### O COWL-TYPE CB/VHF-HI MOBILE

#### **E** VHF-UHF MOBILE MOUNT

#### E VHF/UHF GROUND PLANE

#### **G** LOW-BAND GROUND PLANE

For CB and VHF (30-50 MHz) reception. Three half-wave radials plus half-wave vertical radiator for excellent signal-pulling capability. With frequency-cutting chart. 21-901. Ship. wt. 5 lbs. 9.95

#### SW ANTENNA KITS FOR LONG-DISTANCE LISTENING

LOW 219



#### **ECONOMY MODEL**

Includes 50' copper wire, 25' rubber-covered lead-in wire, insulators, nail knobs, ground clamp, lead-in strip, instructions. 278-1373. 2 lbs. ......2.19

#### **DELUXE MODEL**

75' copper wire, 50' rubber-covered lead-in wire, insulators, nail knobs, ground clamp, window lead-in strip, instructions. 278-758. 2 lbs. .......4.50

#### PORTABLE 12 VDC POWER PACK



Has eight "D" batteries plus 8 spare holders. Converts VHF monitors (Patrolman & others, plus walkie-talkies from 1-5 watts) to portable operation. With car cord for lighter socket. 10¼ x3½x3". 4 lbs. 20-1501.

#### 8-OHM HEADPHONES AND EXTERNAL SPEAKER



95

Cushioned lightweight headphones for Hams, SWL's, private monitoring. Adjustable headband, standard '1/4" phone plug. 279-200, Wt. 1 lb.......5.95

 995



# **ALLIED RADIO SHACK CB AND MONITOR CRYSTALS**

Get Immediate Shipment from Our Huge Stock Always on Hand at Our NEW Fort Worth Crystal Factory ORDER BY MAIL OR AT ANY ALLIED RADIO SHACK STORE!

CITIZENS BAND

Z43 Each 199 Each

6 or more Assorted

All crystals sold by Allied Radio Shack are highly accurate, stable and meet (or surpass!) FCC requirements. Each is individually packaged and carefully inspected—your assurance of quality or dependability. When ordering, simply supply the Model No. and Type of Set you own, receive or transmit and the



VHF/UHF MONITOR RECEIVER

695 Each 595 Each

6 or more Assorted

specific frequency or channel desired. Our crystal center will ship your crystals immediately—and we pay the postage. Ship wt. per crystal. 3 oz. 21-1200. CB Crystals. 1-5...... Ea. 2.49 6-Up...... Ea. 1.99

20-002. Monitor Crystals. 1-5... Ea. 6.95 6-Up....Ea. 5.95

# **CB Base Station Antennas and Accessories**

# The ARCHER -- "Crossbow"

**OUR BEST ANTENNA! FIVE-ELEMENT BEAM** FOR LONGER, STRONGER, STRAIGHTER SIGNALS!

- 24-Ft. Boom, 18-Ft. Elements
- 25 dB Front-to-Back Ratio
- Near-Perfect Directional Pattern

This five-element antenna is the finest value anywhere in an all-aluminum beam. Full 24-foot boom allows perfect placement of every element for maximum gain. Longest element is 18-ft. 83/4" long. The antenna has a near-periect directional pattern plus a high forward gain of 12.3 dB and a 25 dB front-to-back ratio for really "long-distance" transmission/reception. Beta matching for low VSWR with 52-ohm cable. Can be used in either vertical or horizontal position for best signal-pulling power. Weather-protected heavy-duty construction assures you years of use. Wind load of 62 lbs.—special finish on boom and elements fights rust, corrosion. Mounts on any 1½" diameter mast. Complete with detailed mounting and wiring instruction manual. instruction manual. 21-929. Shipping weight 24 lbs. 44.95

good

NEW FOR '72

**Aluminum-Element Ground Plane** 

A low cost omnidirectional model with high efficiency. Has three 108" half-wave radials, plus a half-wave radiats, plus a half-wave radiator (vertical element). "U" clamp fits masts up to 1½" diameter. Built-in lightning protector. Terminates with SO-239 connector—mates with PL-259 plug. All aluminum construction. 21-901. 5 lbs. ....9.95

The "Super Maxim"-Hex **Loops Dissipate Static** 

Provides more gain (3.75 dB omnidirectional) than many higher-priced antennas. Ended ½-wave radiator. VSWR of 1.25 to 1. Moisture protected phasing transformer, 5-section seamless aluminum radiator. Grounded for tion seamless aluminum radiator. Grounded for excellent noise reduction. Three 52" radials. Mounting bracket with "U" clamp for up to 1½" dia. masts. Accepts PL-259. 21-902. 10 lbs. ....19.95

best

Colinear Antenna With Deluxe Features

12.55 Watts Talk Power

Longest legal colinear made for long-range communications and communications and virtually static-free reception. 19' 10" vertical radiator is full % wave-length electrically for superior performance. Has lowest radiation angle of any antenna we know of! Top-hat static arrestor. 4 dB gain. 21-1133. 8 lbs. 32.95



THREE-WAY CB TESTER

 Helps You Determine Proper Antenna/Transmitter Operation

An essential accessory for any CB station—the low-cost tester that helps you get the most from your station! Antenna or dummy load jack lets you accurately check transmitter power, CB transceiver output jack for easy connection to your rig. Three-way front panel meter reads output power, SWR, % modulation. Transmission-line circuit hooks up directly between your rig and antenna—needs no external AC power or batteries. Can be left in circuit permanently! Has front panel mode selector, SWR and Mod. calibration switches. Impedance, 50 ohms. Size, 2%x61/x22%... 

#### **BASE-STATION COAX CABLE**



For Top Efficiency

50-Ft. coax cable assemblies. Poly-foam di-electric assures low line loss, 52-ohm line. 

#### COAX LIGHTNING ARRESTER



 Good Low-Cost Protection for Your Base or Mobile CB Setup

Now Over 1000 Allied Radio Shack Stores Coast to Coast and Alaska

# CB Mobile-Rig Antennas and Accessories



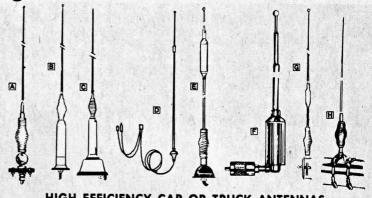
#### **NEW MOBILE ANTENNAS**

MIDSTEAM TENTIONS

Mips. Bumper mount type, built for high reliability and top performance at a low price. Full quarter-wave length construction, chrome plated brass base. White finish. FIBERGLASS whip 21-927. Ship. wt. 5 lbs. 21.95

Roof-Mount. Features loaded coil, tapered shock spring, unique 3/1 snap-in mount. Solderless lead connections—no special tools needed. 46/1 long, mounts on any flat surface. 17/1 cable, connectors, Fiberglass whip 21-925. Ship. wt. 3 lbs.

E Trunk-Grip Mount. Installs in minutes with two set-screws on the underside of your trunk lid. Clamps on center or side of trunk with no drilling. Base loading coil, stainless steel spring, Less cable. HBERGLASS whip 21-926. Ship. wt. 2 lbs. ...... 21.95



#### HIGH-EFFICIENCY CAR OR TRUCK ANTENNAS

A Economy Model. 102" stainless steel whip designed for resiliency and strength. Swivel ball mounting base for easy installation. Cadmiumplated steel spring. Lug terminal connections. Less cable. 21-1094. Ship wt. 5 lbs. ..... 9.95

B Roof Mount. 46" high. Baseloaded omnidirectional type. Stainless steel whip. Snap-in 3/4" mounting. Solderless lead connections. Grounded. No special tools required for installation. With 16' cable. 21-904. Ship. wt. 3½ lbs. ...... 16.95

D Cowl Type CB/FM/AM. Eliminates Di Cowi Type CB/FM/AM. Eliminates need for three separate antennas. Center-loading telescoping model extends to 50" in two sections. Has weatherproof resonator, chrome-plated single-hole mount. 22' RG-58/U cable. PL-259 Pin connectors. 21-930. Ship. wt. 3 lbs. ......14.95 E "Shorty" Roof Mount. Only 18" high. Center-loaded coil, stainless steel whip and spring. %" snap-in mount—no soldering needed. Low interference, high efficiency design. With cable, connector.
21-906. Ship. wt. 3 lbs. ......12.95

F Base Loaded "Quick-Fix." Connects to any transceiver. Sturdy 3-section chrome-plated whip for excellent reception. Extends to 36", collapses to 13". With cable, PL-

@ Gutter Clamp Antenna. Only 18" high, installs in seconds. Has cen-ter-loaded weatherproof coil. Mounts on roof gutter with two set screws that hold it securely in place, even in severe weather. With RG-58/U cable, PL-259 connector.
21-909. Ship. wt. 2 lbs. ......14.95

Elemper Mount. Heavy-duty antenna has double chain bumper mount for stability and strength under any weather conditions. Shock absorbing cadmium plated spring and gutter clip. 102" stainless steel whip. Designed for top performance. cable 21-915. Ship. wt. 6 lbs. ............ 17.95



#### ACCESSORIES FOR BETTER PERFORMANCE FROM YOUR MOBILE CB RIG

"Mini" Steel Spring. Provides maximum support for long or center-loaded antennas. Chrome-plated for long life and top performance. With \%" 

B "Mini" Swivel Mount. Permits vertical or horizontal mounting of any mobile CB antenna. Chrome-plated base and ball, easy to connect lug terminals. 21-1115. Ship. wt. 2 lbs. ...........3.49

Mobile Coax Cable, 20-ft, cable assemblies connect antenna to trans-ceiver. RG-58/U cable, 52 ohms. UG adapter for close fit. 2 lbs. 278-965. PL-259 to Lugs. 3.49 278-967. PL-259 Both Ends. 3.89 DE Auto Radio Suppressors. Elimiinterference originating in your vehicle. Helps you get clear, crisp reception and interference-free transreception and interrerence-tree transmission. Install quickly and easily. 270-012. (D). Straight Type 59¢ 270-013. (E). Right-Angle Type for Close Mounts. 2 for 89¢

F Noise Suppressor Kits. Suppresses noise from your car's electrical system. Has six or eight spark plug supressors, distributor suppressor, bypass capacitor. Easy to install. Ship. wt. 8 oz. 21-502. 6-Cylinder. 3.79 21-503. 8-Cylinder. 3.98

Alternator Noise Filter. Attenuates noise by 5 dB on alternator-equipped automobiles. Helps provide noise-free CB operation. Operates to 32 VDC. 21-507. Ship. wt. 8 oz. ...............2.99

■ Generator Noise Filter. Adjustable filter eliminates generator brush noise. Installs easily on 6, 12, 24-V generators. Operates from 3-30 MHz. 

Antenna Hold-Down Clip. No more broken or snapped mobile antennas! Secures mobile whip to car for low garaging, bridges, etc. Won't rattle or 

Citizens Band Power Supplies & Accessories

#### PORTABLE BATTERY POWER PACK

For Realistic TRC-24, TRC-10, TRC-50—works with most other mobile CB transceivers too! Complete with shoulder strap, telescopic antenna, battery meter (amps & voltage), provision for 12/15V battery charger. 9x3<sup>3</sup>/<sub>x</sub>x6<sup>1</sup>/<sub>x</sub>". 21-127. Shipping weight 3<sup>1</sup>/<sub>x</sub> lbs. 24.95 23-467. "C" Cells (Requires 10). Each 17¢ 23-5002. Alternate Alkaline "C" Cells (10 Req'd). ...2/1.39



Easy-to-install solid-state "power supply allows you to operate Realistic TRC-50, TRC-24 or TRC-10 from 117VAC 50/60 Hz—and converts any 12V DC unit to 117VAC. Output: 12 V DC @ 1 amp. Binding post terminals. Mounting hardware, instructions. UL listed. 8%x 7½x2½". 21-125, Ship. wt. 8 lbs. ..... 21.95





AC SUPPLY/CHARGER

Operate Realistic or othoperate Realistic or other walkie-talkies on 117-VAC. Use it to charge 9 or 12 volt battery packs. Recharge long-lasting Nicad cells, too. Charging rate: 40 mA/hour. Ship. weight 6 lbs. UL listed. 21-115.

Measures radio station antenna SWR-forward & antenna SWR—forward & reflected power up to 1 kW. Can be left in circuit to measure transmitter output. Use it to check comparative RF field strengths. Operates from 2-30 MHz. 100 µA meter movement. Impedance: 52 ohms. Includes 5-section telescopic antenna. 43/4x 2x2½". Ship. wt. 1½ lbs. 21-575.





9-12V DC+117V AC-SUPPLY-CHARGER

Designed to adapt PL-259 connector 



#### CB MIKE HOLDER

Keeps your mike in place even on bumpiest roads.

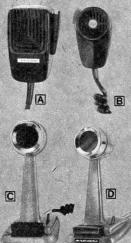
Magnetic clip easily attaches to steel surface of car, boat, truck. Capable of holding up to 12 lbs.

Shipping weight 1 lb.

#### **DUMMY ANTENNA** LOAD



Lets you tune your transmitter with-out causing interference. Non-induc-tive 52 ohm load for testing up to watts. PL-259 coaxial plug. 21-628. Ship. wt. 4 oz. ....



#### DIRECT REPLACEMENT & TRANSISTORIZED MICROPHONES

■ Dynamic Microphone. Low-impedance, push-to-talk mike in high-impact case. Coiled cord with 3 conductors plus shield. DIN type plug. Replacement for Realistic TRC-10, TRC-50 CB Transceivers. Output level: —78 db. 7.95

#### WALKIE-TALKIE **ANTENNAS**

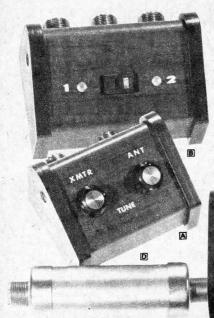
**HEAVY-DUTY** TYPE TELESCOPIC WHIP

A Perfect replacement for most walkie-talkies. Chrome plated. Collapses from 54½" to 6¾". 11 sections. ¾" diameter. 21-1156. Wt. 1 lb. ...1.99

249 UNIVERSAL TYPE WITH STEEL WHIP

Universal base loaded. Replaces broken or exist-ing antenna. Only 16" long. Installs in seconds. Chrome plated base with set screv 21-919. Wt. 1/2 lb. ... 2.49





## **NEW! CB and Ham Accessories**

#### ANTENNA TUNER

A This tuner will match any antenna impedance between 10 and 1,000 ohms. Will handle approximately 500 watts of RF power.

21-513. Ship. wt. 1/2 lb. ..... 9.95

#### 6-POSITION COAXIAL SWITCH

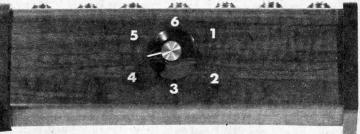
© 6-position shorting switch. Rotary type. Handles up to 4000 watts peak envelope power. 2x8x

21-510. Ship. wt. 1/2 lb. ..... 9.95

#### 2-POSITION COAXIAL SWITCH

B Instantly change from one antenna to another without switching antenna leads. Rocker handles up to 500 watts. 2x3¾x2½″. 21-511. Ship. wt. ½ lb. ....... 5.95

#### LOW-PASS TVI FILTER





#### MORSE CODE COURSE ON CASSETTE TAPE

- Fits Any Cassette Player
   Twelve Complete Lessons
- For Both Beginners and Experienced Operators
- Includes Informative Book with Basic Code Information

A sure-fire way to learn or improve Morse Code sending and re-ceiving. Course consists of 12 easy-to-follow lessons on one cas-sette. It's designed to advance you—quickly—to a speed of 15 words per minute. With complete International Morse Code manual. 



#### International Morse Code Record

- .10 Easy Lessons
- . Up to 15 Word Per Minute

 Non-Breakable 33 1/3 RPM Record Here's an easy way for beginners to learn Morse Code. Use it with code groups too! 12" LP in sturdy jacket. Complete with manual containing basic code

20-025. Ship. wt. 2 lbs.

#### TRANSISTORIZED CODE OSCILLATOR

A Fully wired. Connect to key, PM speaker, 1½ battery. With instructions. 20-1155. Ship. wt. ½ lb. 1.19

#### HI-FREQUENCY CODE PRACTICE BUZZER

Adjustable frequency buzzer gives a clear, steady signal. Use with beginners key.
 20-1086. Ship. wt. ½ lb.

#### HAND KEY SPECIALS

@ Beginners. For code classes, etc. Adjustable

to begin the contacts. 20-1085. Ship. wt.  $\frac{1}{2}$  lb. 89¢ [D] High Speed. Adjustable spring tension, contacts, ball-bearing pivots, circuit-closing switch. 20-1084. Ship. wt.  $1\frac{1}{2}$  lbs. 2.49

#### CODE PRACTICE SET

E Perfect for learning Morse Code correctly. Key has easy-to-adjust spring and contacts for correct touch response. Adjustable buzzer frequency. Binding post for headphones. 63/x23/x

20-1087. Ship. wt. 11/2 lbs. 23-466. 11/2 V "D" Battery





CODE PRACTICE OSCILLATOR

Invaluable for Code Study and Practice!

A low-cost aid for the beginner or ex-perienced CW'er. Provides the "extra" practice needed to increase speed and practice needed to increase speed and accuracy! Features tone and light signals, self-contained speaker. Front panel pitch control varies tone from 500 to 2000 Hz. Flashing panel light lets you signal after dark. Complete with 2 batteries, earphone for private listening, instructions. 3½x6½x2½".

20-007. Ship. wt. 2 lbs. 8.95 Realistic Car Speakers and Accessories SOR 72

TRUE 30-20,000 Hz HI-FI

6x9" REAR DECK KIT WITH CUSTOM GRILLE

· Whizzer Cone for **Extended High-Frequencies** 

Brings the "concert hall" to your car! Full 30-20,000 Hz response, 1½-lb. magnet structure, whizzer cone. Handles a full 20 watts for use with any car tape player or radio. 8 ohms impedance. 40-1291. Wt. 5 lbs. ......14.95

5" ROUND CAR SPEAKER

 Acoustic-Suspension Design for True Hi-Fi Sound!

Great sounding speaker! Has 2-lb. magnet structure with 1" voice coil, cloth roll. Acoustic-suspension design for enhanced bass, 30-20,000 Hz response. Easy to install. 40-1292. Wt. 5 lbs. .....14.95





10-watt, 5.5-oz. magnet. Chrome plated grille, wiring harness, hardware. 8-10, 20 or 40 ohms. 40-1222. 41/2 lbs. .....9.95



Installs in '63 to '71 cars. 6x9" speaker, chrome grille, mounting hardware, instr. 10, 20, 40 ohms. 40-1233. Wt. 3 lbs. ...6.99

#### LOW-PRICED AUTO SPEAKER KITS



Replace old speaker or add new one. 3.4 ohms. Metal grille, fader control. 40-299. 6x9". 2 lbs. .4.99 40-300. 5x7". 2 lbs. .4.59



Wide-range for car, re-verb, back seat. 12 watts,

UNIVERSAL

5x7"

**695** 

For imports & compacts. 3-oz. ceramic magnet, 10

40-1268. .......7.95 REAR DECK CHROME GRILLE



A

Has holes punched for 6x9'' rear deck speakers. Satinchromed steel.  $5\frac{1}{2}x9''$ . 40-1174. Wt.  $\frac{1}{2}$  lb. ......1.19

#### SPEAKER CONTROLS



A Speaker Control. Selects sound from front, rear, both. 23/8 x1 1/2 ".
40-540. Wt. 1/2 lb. .....99\$

B Fader Control. Controls volume of front, rear, both. Installs easily. 40-550. Wt. ½ lb. .....99¢

## NEW FOR '72



SPEAKER GRILLES Popular Sizes

**CUSTOM-MOUNT AUTO** 

5" Molded. Easy to install — with all hardware, templates, full instructions. 40-1290. 1 lb. ......99¢

B Deluxe 6x9" Molded. Great for rear deck speak-ers. With all mounting ac-40-1289. 1 lb. ......2.29

#### REPLACEMENT AUTO ANTENNAS MADE TO ORIGINAL EQUIPMENT STANDARDS

#### FLEXIBLE SPRING TYPE

349 Stainless Steel Spring

3-section antenna with 48" cable. Adjusts to 90° for top or side mtg. 27-54." 1 lb. 12-1307. ..... 3.49

#### DELUXE **AUTO ANTENNA**

· Installs In Minutes

4-section antenna ex-tends to 57". Has heavyduty tubing, extra large base. With 54" low-loss shielded cable. Adjusts 12-1302. 1 lb. ..... 4.99



Universal ball." Top "8 ball." Top cowl mount. 1

12-1306. ... 2.39 Cowl Mount. three-section telescoping. Wt. 1 lb. 12-1308. ...3.19

C Universal Replacement Mast. For most car an-tennas. 1 lb. .....1.39

#### AM/FM ANTENNAS

FOR

A Replaces broken or damaged masts. Fast screw-on mounting — fits over "stub" of fits over "stub" of your present antenna. "Tuned" for FM stereo. 12-1316. 1/2 lb. ... 2.99 One-piece tapered 
 stainless steel antenna. Fits nearly all cars; mounts from top, in minutes. Goes thru auto. car wash undamaged. 48" cable. 12-1329. 1 lb. ..... 6.19

Available Sept. 15, 1971

#### ELLIPTICAL SHAPE FM-AM

 Cuts Wind Noise

Available Sept. 15, 1971 3-section telescoping antenna extends from 17½" to 46½". Copper shielded, 48" cable 1 lb. 12-1318. 2.99

#### **VW ANTENNA** FOR '67-'71 "BUGS"

• Top Cowl Mounting

Three sections. Extends from 121/8" to 301/4". For good FM, too. 42" low-loss shielded cable. 12-1304. 1 lb. ..... 2.69

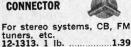


#### ANTENNA Extension Cables.



Shielded. 12-1312.		89¢
12-1311.	12';	built-in
capacitor.		2.99
		Male/Male 95¢

#### ANTENNA 139 CONNECTOR



FREE Tube Testing Available at Every Allied Radio Shack Store

# Auto Reverbs—Add "Stereo-Like" Sound to Any Car Radio



#### Realistic Deluxe Tunable Reverb

- Includes 6x9" Speaker and Grille
- Balance Control "Centers" Speaker

#### Realistic Miniature Reverb

Push-Pull Volume, Fader Control

Attractive and Neat in Appearance

### Big-value Stereo Speaker Systems for Every Car





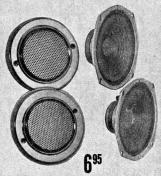
Heavy-Duty Dual Whizzer Cones

Wide-response  $5\,{}^1\!\!\!/\!\!\!/^{\prime\prime}$  speakers with cloth rolled construction. Grained, molded housings. Mounting hard-

#### Dual-Cone Built-In Speakers

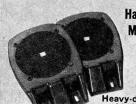
For really outstanding stereo reproduction. Two 51/4" diameter high-compliance speakers with huge 4.23-ounce magnet, cloth rolled construction and whizzer cones. All mounting hardware included for quick and easy installation. Attractive chromed grilles. Ship wt. 3 lbs.

12-1843. Pair 12-95



#### Flush Mount Speakers

Give your car the "custom" look and great sound, too. Includes two 5" heavy-duty speakers with chromed grilles, plus "instant mount" retainer rings so you mount your speakers without removing panels. Quick, really easy installation. Shipping weight 2 lbs. lbs. 12-1841. Pair 6.95



Hang-On Speakers Mount Anywhere

**695** 

Heavy-duty 5" speakers in molded enclosures. 2 lbs. 12-1842. Pair 6.95

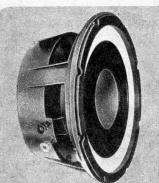
#### Car Stereo Connector Cords





Credit Plans to Fit Any Budget—Details at Your Nearby Store

# Realistic Speakers -- Best Values for Custom-Built Systems!



# "Americana" Special Design Die - Cast Speakers 8" 2-WAY WHIZZER CONE SPEAKER

1295

• 45-18,000 Hz Frequency Response

• Ultra-High Compliance Cone

• Convenient Screw-Type Binding Posts

 24 Watts Power Handling Capacity Special value for hi-fi bugs on a budget. Speaker frame is cast under high pressure for perfect alignment of noving parts. Whizzer cone offers brilliant high-frequency response. 8" woofer with 1" voice coil and cloth-roll suspension. 24 watts. 8 ohms. Shipping weight 5 lbs.

Cat. No.	Ea. 1-3	4-9	10-49	50-Up
40-1301	12.95	12.00	11.00	9.70

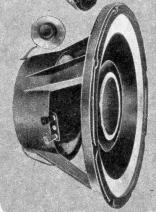


#### 8" 3-WAY WITH SEPARATE MIDRANGE AND TWEETER

- Full 35-19,000 Hz Frequency Response
- High-Frequency Level Control
- Woofer Has 10-oz. Ceramic Magnet
- Epoxy Bonded
- 30 Watts Power Handling Capacity

Buy a pair for a sensational compact stereo system. Cloth roll suspension woofer, with 1" voice coil, midrange, 3" high-frequency tweeter. Heavy cast frame, easy to connect screw-type binding terminals. 30 watts. 8 ohms impedance. Shipping weight 5 lbs.

Cat. No. Ea. 1-3 4-9 10-49 50-Up 40-1302 16.95 16.00 15.00 13.20



# 2995

#### 12" 3-WAY HI-FI SPEAKER SYSTEM — FULL FIDELITY SOUND FROM 25-20,000 Hz

- Coaxially Mounted Cone Tweeter with Level Control
- Woofer Has Big 20-oz, Ceramic Magnet
- Long-Lasting Baked-On Lacquer Finish
- 45 Watts Power Handling Capacity

This speaker features a 12" woofer with a heavy-magnet structure for really powerful bass, axially-mounted midrange radiator and coaxially-mounted, separately-driven cone tweeter. Internal dust seal for extra-long life, heavy-cast basket, cloth-rolled cone edges. Cross-over network, screw-type binding posts. 8 ohms. Shipping weight 12 lbs.

Cat. No. Ea. 1-3 4-9 10-49 50-Up 40-1304 29.95 28.00 24.00 20.50

REALISTIC FE-103 4" ACOUSTIC-SUSPENSION SPEAKER SYSTEM



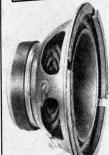
FIRST BLOOM TO CO. BOTH TO CO.

FREE!

Directions from
''Electronics
Illustrated''
For Building
A Sub-Mini
Speakerl

Acoustic-suspnsion cone is suspended by a flexible cloth surround for unrestricted excursion. Massive ceramic magnet develops over 10,000 Gauss. 30-17,000 Hz. 8 ohms. Full 15 watts power. Requires 280 cu. in. enclosure. 40-1197. Shipping weight 5 lbs. 7.95 40-808. Equalizer Kit. Enhances audio response 3.95





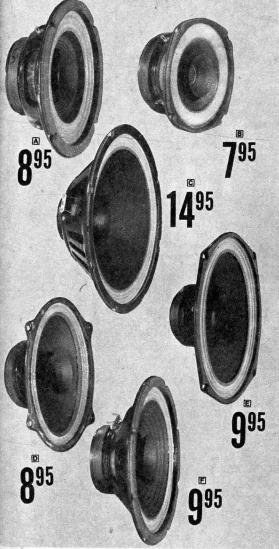
#### ACOUSTIC-SUSPENSION 5" SPEAKER

Perfect for Extension Speaker Use or In Custom Hi-Fi Rigs

Build this fine acoustic-suspension speaker into your own custom enclosure for sound that will amaze everyone! Buy a pair for great sounding, low-cost stereo! Full 30-15,000 Hz response, 8 ohms impedance. Rugged design, quality construction for years of great performance and reliability. 40-1909. Wt. 3 lbs. 4.99

Available Sept. 30, 1971

# New for '72 Realistic Acoustic-Suspension Speakers



# For High-Fidelity In Home, Boat or Auto! For Custom Mounting Where Space Is Critical!

6"-25 WATTS-50-17,000 Hz

#### 5"-18 WATTS-65-17,000 Hz

■For full-fidelity auto sound systems, second stereo systems, any mini and sub-mini installations. 10-oz. ceramic magnet, 18 watts handling power. Impedance, 8 ohms.

40-1284. Ship. wt. 2 lbs.

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#### 12"-32 WATTS-28-18,500 Hz

© Full-size speaker with 12" woofer for easy building into any stereo system. 10 oz. ceramic magnet. Whizzer cone enhances response, 32 watts handling power. Impedance 8 ohms.

40-1287. Ship. wt. 33/4 lbs.

#### 5x7"-32 WATTS-50-17,000 Hz

© Oval speaker offers fine sound in any setup. Has 10-oz. ceramic magnet. Whizzer cone. Perfect for replacement uses in auto sound systems. Impedance. 8 ohms. 40-1288. Ship. wt. 2½ lbs. 8.95

#### 6x9"-15 WATTS-30-20,000 Hz

E Popular size speaker is great for mounting in rear deck of cars, boats, planes. Wide-range response for great sound too. Whizzer cone. 10-oz. ceramic magnet. 8 ohms impedance.
40-1260. Ship. wt. 2 lbs. 9.95

#### 8"-30 WATTS-30-20,000 Hz

EThe most-popular size hi-fi speaker for bookshelf enclosures. Cloth roll surround, 10-oz. ceramic magnet, whizzer cone. 8 ohms impedance.
40-1286. Ship. wt. 2¾ lbs...................................9.95



#### HIGH-EFFICIENCY HORN TWEETER

Add to Any Good Woofer for Really Improved High-Frequency Response

 ULTRA HIGH-FREQUENCY COMPRESSION TWEETER WITH CROSSOVER

Wide Dispersion Angle
Our best—more high frequencies for less \$ \$!
Cycolac molded horn, builtin crossover, easy installation. 30 watts. 2000-25,000

Horn-Loading Assures

Hz, 8 ohms. 3½x2%6" deep. **40-1274.** Wt. 1½ lbs. **12.95** 



## REALISTIC® Speakers – Perfect Hi-Fi Replacements for Consoles, Radios, TV's, Phonos



#### 12" FULL RANGE DESIGN

Handles 30 watts, ceramic magnet structure. Exclusive internal dust seal protects precision voice coil from "stray whiskers" that may work loose from the magnet. 8 ohm impedance. Smooth 50-11,000 Hz frequency response. Highly efficient. For replacement or custom-building—a real audio buy! 40-1200. Wt. 4½ lbs. ....6.99

3½" SQUARE TWEETER

Specially designed basket has sealed back to protect cone against woofer back pressure. High-quality features include electronic crossover (non-polarized capacitor at 4,500 Hz), for smooth frequency distribution. 2000-16,000 Hz. Handles 10 watts power. 8 ohms. 40-1224, Wt. 12 oz. ...... 3.99

#### 8" ROUND COAXIAL

Only 23/4" deep, this quality speaker is perfect for mounting into wall or ceiling. 3" tweeter for crisp music and voice reproduction. Pre-wired tweeter and crossover for simplified installation. Baked-on lacquer finish for long life and good looks. 3 oz. ceramic magnet. 50-17,000 Hz. 8

#### 3-WAY 12" COAXIAL

Features horn-shaped tweeter coaxially mounted with pre-wired capacitive crossover. Midrange cone is coaxially mounted to woofer cone with mechanical crossover. 10 oz. ceramic magnet. Frequency response: 35-17,500 Hz. Impedance: 8 ohms. 16 watts (30 watts peak) power handling capacity. 40-1230. Wt. 4 lbs. 11.95

8" DUAL-CONE MODEL

Even our lowest priced fullrange speaker has lustrous baked-on lacquer finish, 8 watts power capacity, and a smooth frequency response of 40-12,500 Hz. Whizzer cone tweeter for crisp highs, 8" round woofer for deep bass. 3ounce ceramic magnet. 8 ohms. 40-1232. Wt. 13/4 lbs. ... 6.95

#### 6x9" COAXIAL

The perfect choice for a "better than original" replacement! Has separate coaxially mount-ed 3" tweeter for really excellent-high frequency response. Ceramic magnet structure for sharp, clear overall reproduc-tion. Rugged construction. 50-15,000 Hz frequency response, 8 ohms impedance. Handles 8 watts (18-watts peak). 40-1231. Wt. 11/2 lbs. 8.95







40-1226. Wt. 13/4 lbs. ... 8.95

## Low-Priced Hi-Fi Speakers for Custom Building Your Music System



8" WOOFER. 3½" TWEETER

> Illustrated Instructions for Your Own Hi-Fi Systems

**Q**95

Compares with \$30 to \$40 units when built according to instructions. 8" woofer has treated cone edges, 3½" tweeter with closed back. Handles 24 watts. 8 ohms. 40-1306. Wt. 3 lbs. 9.95 12" 3-WAY SPECIAL!

1995

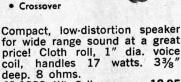
• 24-18,500 Hz

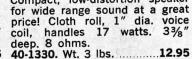
• 10-oz. Ceramic Magnet

• Handles 28 Watts

Our best 12" speaker value! Airsuspension woofer has cloth roll and midrange cone, plus coaxi-ally mounted tweeter with crossover Color coded terminals. 1" voice coil. 40-1320. Wt. 5 lbs. ...... 19.95 8" 2-WAY SPECIAL!

- Air Suspension
- 45-17,000 Hz
- 10-Oz. Magnet





REALISTIC Quality Replacement Speakers!

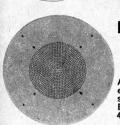
Ideal for Auto Radio, Home Replacement, Extension Speaker Uses

 Quality-Made in U. S. A. High-Efficiency Alnico-V Magnets

Quality sound reproducers for just about any speaker use. All feature rigid frame construction for proper voice coil and magnet alignment—high efficiency Alnico-V magnets for wide response sound. It's the ideal low-cost way to get your music system back in top form—or use as extension speakers, in PA system setups, car stereo systems, etc. One of the widest selections on the market—there's a speaker here to meet your needs!

Size	Magnet	Watts	Ohms	Sh. Wt.	Each	4-9 Ea.	10-49 Ea
3"		3	3-4	1/4 lb.	2.29	2.09	1.69
31/2"		3	3-4	1/4 lb.		2.19	1.79
4"				1/4 lb.	2.39	2.19	1.79
				1/4 lb.	2.59	2.29	2.09
The state of the s	.55 oz.	4	3-4	3/4 lb.	2.39	2.19	1.79
			3-4	3/4 lb.	2.79	2.49	2.19
5"	2.35 oz.	5					3.49
51/4"	2.35 oz.	8	8				3.65
6"	.68 oz.	5	3.4	11% lbs			2.39
6"	2.35 oz.	6.5		21/2 lbs.			3.49
5x3"	.55 oz.	4					1.79
4x6"							2.19
	.68 07			3/ Ib			2.39
6x9"				11/4 lbe			2.69
8"	1.47 oz.	8	3-4	2 lbs.			2.99
6"	1.47 07.	6	10/20/40				2.99
4x10"			10/20/40	21/4 lbs.			3.49
4x10"		9	10/20/40	- /2 IDS.			5.69
			10/20/40	2 lbe			3.49
6x9"			10/20/40	2 lbs			3.49
	3" 2" 4" 5" 5" 5" 5" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6" 6"	3" .68 oz. 31/2" .68 oz. 4" .55 oz. 5" .1.00 oz. 5" .2.35 oz. 5" .2.35 oz. 6" .68 oz. 6" .68 oz. 4" .55 oz. 5" .2.35 oz. 6" .68 oz. 51/4" .2.35 oz. 6" .68 oz. 5×3" .55 oz. 4×6" .68 oz. 6×9" .68 oz. 6×9" .68 oz. 6×9" .68 oz. 4×10" .2.15 oz. 4×10" .2.15 oz. 4×10" .2.15 oz. 5×7" .1.47 oz.	3"	3"	3"	3"// .68 oz. 3 3.4 1/4 lb. 2.29 31/2" .68 oz. 3 3.4 1/4 lb. 2.39 4" .55 oz. 3 3.4 1/4 lb. 2.39 4" 1.00 oz. 4.5 3.4 1/4 lb. 2.39 5" .55 oz. 4 3.4 3/4 lb. 2.39 5" 1.00 oz. 5 3.4 3/4 lb. 2.39 5" 2.35 oz. 5 8 21/2 lbs. 4.29 51/4" 2.35 oz. 8 8 21/2 lbs. 4.29 51/4" 2.35 oz. 8 8 21/2 lbs. 4.29 6" .68 oz. 5 3.4 1/4 lbs. 2.99 6" .68 oz. 5 3.4 1/4 lbs. 2.99 5x3" .55 oz. 6.5 8 21/2 lbs. 4.99 5x3" .55 oz. 4 3.4 1/2 lb. 2.39 5x3" .68 oz. 4 3.4 1/2 lb. 2.39 6x9" .68 oz. 4 3.4 1/2 lb. 2.79 5x9" .68 oz. 4 3.4 1/4 lbs. 3.29 6x9" .68 oz. 4 3.4 1/4 lbs. 3.99 6x9" .147 oz. 6 10/20/40 13/4 lbs. 3.99 4x10" 2.15 oz. 8 10/20/40 2 1/2 lbs. 4.99 5x7" 1.47 oz. 7 10/20/40 2 lbs. 4.99	3"/

		The second secon						
40-1201	3"	.68 oz.	3	3-4	1/4 lb.	2.29	2.09	1.69
40-1202	31/2"	.68 oz.	3	3-4	1/4 lb.	2.39	2.19	1.79
40-1203	4"	.55 oz.	3	3-4	1/4 lb.	2.39	2.19	1.79
40-1204	4"	1.00 oz.	4.5		1/4 lb.	2.59	2.29	2.09
40-1205	5"	.55 oz.	4	3-4	3/4 lb.	2.39	2.19	1.79
40-1206	5"	1.00 oz.	5	3-4	3/4 lb.	2.79	2.49	2.19
40-1240	5"	2.35 oz.	585		21/2 lbs.	4.29	3.89	3.49
40-1241	51/4"	2.35 oz.	8	8	21/6 lbs.	4.49	4.09	3.65
40-1207	6"	.68 oz.	5	3-4	2½ lbs. 1¼ lbs.	2.99	2.69	2.39
40-1242	6"	2.35 oz.	6.5	8	21/2 lbs.	4.99	4.19	3.49
40-1209	5x3"	.55 oz.	4	3-4	1/2 lb.	2.39	2.19	1.79
40-1210	4x6"	.68 oz.	. 4	3-4	1/2 lb.	2.79	2.49	2.19
40-1211	5x7"	.68 oz.	4	3-4	3/4 lb.	2.99	2.69	2.39
40-1212	6x9"	.68 oz.	4	3-4	11/4 lbs.	3.29	2.99	2.69
40-1213	8"	1.47 oz.	8	3-4	2 lbs.	3.99	3.59	2.99
40-1905	6"	1.47 oz.	6	10/20/40	13/4 lbs.	3.99	3.59	2.99
40-1214	4x10"	2.15 oz.	8	10/20/40	21/2 lbs.	4.99	4.19	3.49
40-1243	4x10"	5.5 oz.	9	10/20/40	- /2	6.95	6.29	5.69
40-1215	5x7"	1.47 oz.	7	10/20/40	2 lbs.	4.99	4.19	3.49
40-1216	6x9"	1.47 oz.	8	10/20/40	2 lbe	4.99	4.19	3.49



#### FLUSH-MOUNT SPEAKER BAFFIF

For a Smart, Functional Appearance

Aluminum baffle for mounting 8" speaker in wall or celling. Great for offices, schools, extensions in den or playroom. Easy to install. Less speaker. 299
40-1223. Ship. wt. 1 lb. 2.99



#### 8-OHM DIRECT REPLACEMENTS

For Transistor Radios, Walkie-Talkies, etc.

AINICO	PM Sp	eakers.	"Thin"	Design.
40-262.	23/4"	size.		98¢
40-247.	21/2"	size.		98¢
40-246.	21/4"	size.		984
40-245.	2" si	ze		98¢

#### 6X9" OVAL SPEAKER



Ideal Auto Speaker



8" ROUND **SPEAKER** 

799

With Whizzer Cone

Ideal for replacing old speaker, adding new ones anywhere. 1.47-oz. magnet. 



8" SPEAKER **SPECIAL** 499

> 6-Oz. Ceramic Magnet

Good bass response, excel-lent highs. Great for TV, phono, console replacement uses. 8 ohms. 40-1272. Wt. 3 lbs. ....4.99



SPEAKER **1**99

Big 6-Oz. Magnet

Excellent speaker for use in autos, or home replace-ment. Ceramic magnet. 8

40-1273. 3 lbs. ......4.99

L-PADS-LOW PRICED



From



Stereo. Controls volume level of two or more speakers in your system.
40-979. 3 oz. 3.49





Wall Mount

Feature non-shorting contacts for use with solid-state equipment. Allows se-lection on 1, 2, or both pairs of 8 of 16-ohm speak-ers. Convenient screw ter-minals allow easy hookup. minals allow easy hookup. 40-130. Enclosed Case. 3.49 40-131. Wall-Type. 2.49

#### **6-WAY SPEAKER** SELECTOR 799



Ideal for getting complete and flexible setup of all your speaker systems. Al-lows selection of up to 6 pairs of remote speakers. Compact for easy installation. 3%x8x2½".

#### STEREO WALL JACK



The easy way to wire your house for sound. Ivory plastic wall plate looks good anywhere, lets you connect extensions by plugging jacks into wall. With two plugs, all hardware. 40-976. Wt. 1 lb. .....1.49

# Our Professional-Quality Musical Instrument Speakers



#### Realistic Super-Power Guitar Speakers **Unconditionally Guaranteed One Year!**

Meet today's "hard" and "heavy" music demands. Run all of the punishing power of your guitar, organ or bass amplifier through these heavy-duty instru-ment speakers. Each has massive magnetic struc-ture and reinforced cope edges. Compliance strictly ture and reinforced cone edges. Compliance strictly controlled at any volume by unique "spider" geom-

#### Eight-inch 30-Watt Guitar Amplifier Speaker

A Realistic's lowest-priced guitar speaker lets you up-date your old guitar amp or start your own system. Potent 10-oz. magnet with 1-inch voice coil handles up to 30 watts of music power. Heatproofed. Free air resonance, 72 Hz. 8 ohms. Wt. 4 lbs. 40-1316. 1-3. Ea. 9.95 4-9 Ea. 8.95 10-Up 7.50

#### Twelve-inch 50-Watt Guitar Amplifier Speaker

B Great performance at a low price. Won't burn out . . . all new ruggedized construction. Reinfoced cone edges resist shatter, extend life. Big 20-oz. magnet with 1½-inch voice coil for 50-watt capacity. Free air resonance. 50 Hz. 8 ohms. 6 lbs. 40-1275. 1-3. Ea. 14.95 4-9 Ea. 13.95

#### Twelve-inch 85-Watt Guitar Amplifier Speaker

© Get the full sound of today's high-powered music. Rugged 2-inch voice coil and massive 6%-lb. magnet structure for great volume level per each watt of input. Reinforced at every stess point. Free air resonance, 55 Hz. 8 ohms. 6½" deep. 10½ lbs.
40-1314. 1-3 Ea. 24.95 4-9 Ea. 23.95 10-Up Ea. 21.95

#### Fifteen-inch 100-Watt Guitar Amp Speaker

© Huge speaker pours out all the punishing power of today's "heavy" sounds. Massive 2½-ib. ceramic magnet and 2-inch voice coil with multi-strand flexible leads. Resists fracture and burnout. Free air resonance. 45 Hz. 8 ohms. 8" deep. 13 lbs. 40-1315. 1-3. Ea. 29.95 4-9 Ea. 27.00 10-Up Ea. 25.00

#### 50-Watt Instrument Amplifier Music Horn

D' Add exciting overtones to your amplified instrument music that can't be reproduced by high power bass speakers. Response, 2000-20,000 Hz. 2.8-oz. ceramic magnet, 1-inch voice coil. 8 ohms (Use with 8 or 16-ohm speaker). 3½x8x8½". Ship. wt. 1½ lbs. 40-1317. 1-3 Ea. 9.95 4-9 Ea. 8.95 10-Up Ea. 7.50

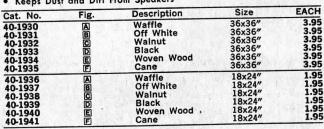
## Speaker Grille Cloth for Custom Installation, or Repair

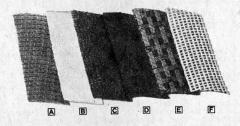
Good-Looking Color Fast Patterns

Won't Sag, Shrink or Fade

Keeps Dust and Dirt From Speakers

Beautifully woven grille cloth keeps dust and foreign matter out of speakers and allows acoustically transparent passage of all audio frequencies. Durable material for long life. Attractive patterns.





# Weatherproof Indoor/Outdoor PA Speakers

Multi-Purpose Weatherized Powerhorns Bring You Full Sound and Clarity



40-1237. Ea.....19.95 3-9.....Ea. 15.95 10-40.....Ea. 13.95 Model PA-12. 30-watt 12" with 150-13,000 Hz response, handles peak overloads to 65 watts 8 ohms. Shpg. wt. 6½ lbs. 40-1238. Ea.....29.95 3-9. Ea. 24.95 10-40. Ea. 21.95

#### Four-Inch Indoor/Outdoor **Powerhorn**



Buy a Pair for Outdoor Stereo-Wide-Range Response



#### Realistic 70-Volt Line Transformer

Ten-Watt Primary. Taps at 10, 5, 2.5, 1.25, 0.62 watts. Secondary impedance, 4 or 8 ohms. 32-1031. Wt. 1½ lbs. 2.99

# Hi-Fi/PA Speakers Complete with Baffles for Quick Installation



Realistic 8" Speaker and Baffle

No need to mount speaker . . . It's already installed

Good sound without the bother of insound without the bother of installation. High-quality 8" speaker attractively mounted in a sleek walnut wall mounting baffle that's perfect for a PA speaker or extension speaker. Includes prewired L-pad 

Realistic Indoor/ **Outdoor Speaker** 



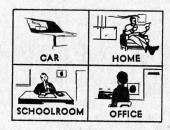
Listen to great sound in the car, garage, den, anywhere. Rugged model is completely moisture-proof. Portable 4" speaker has heavy-duty Alnico V magnet. Durable lacquer-finish steel case. Key hole slots. Screw terminals for easy mounting. 40-1229. Shpg. wt. 1½ lbs......5.95 Realistic Baffle-Pak™ Speakers in Four Different Sizes-Use In or Out-of-Box



Heavy-duty ceramic-magnet speakers in sturdy wood-grain Baffle boxes that double as speaker enclosures. Baffles have convenient hang-up tabs for wall mounting. All have 6' cables attached. Use 5" or 6x9" for auto stereo; 8" or 12" for PA, extension speaker, etc.

B 6x9" Speaker. 18 watts, 3-oz. magnet. Ideal for car stereo use.
40-1282. Ship. wt. 2 lbs. .................................6.95 

D 5" Speaker. Handles up to 15 watts 







CUSTOM "PRO"

23<sup>95</sup>

• Exclusive Bassport Design for Improved Response

• 10' Coiled Cord

A sensational value in U. S. made headphones. Custom crafted with years ahead design for the serious music lover who wants hours of comfortable private listening! Exclusive Bassport features provides a full 20-20,000 Hz response. Adjustable headband and comfortable earcushions for long wear without fatigue. Coiled cord extends a full 10 feet—standard 1/4" plug fits any receiver or amplifier. 4-16 ohms impedance. 33-1002. Ship. wt. 2 lbs. 23.95

NOVA-20
STEREO
HEADSET
1795

Move Up To
Headphone Listening
At A Very Affordable Price!

Great sound, great comfort—3½" speakers for a full 30-18,000 Hz response. Padded spring steel adjustable headband and cushioned earpieces assure the tight seal essential for best sound and full enjoyment. 10' coiled cord lets you move around easily without becoming entangled in wires—standard ½" phone plug. Experience a new dimension in stereo listening today!

# **Surround Yourself with Sound!**

# NOVA PRO

# STEREO HEADPHONES WITH ULTRA-WIDE AUDIO RESPONSE

- Volume Controls on Each Earcup
- Unique Vinyl Cone Improves Sound
- 10' Coiled Cord Lets You Move Freely

**29**<sup>95</sup>

Unique drivers—not conventional paper cone speakers, but ultra-compliant vinyl—deliver sound that's startling in its stereo realism. Separate volume control on each earpiece let you adjust volume independent of your amplifier. 20-20,000 Hz response. 8 ohms. 10' coiled cord.

33-1014. Ship. wt. 11/2 lbs. 29.95



AIR-CUSHIONED STEREO HEADPHONES

12<sup>95</sup>

- Lightweight, Comfortable
- THE Way to Hear Stereo

Superb audio plus REAL comfort at a low Allied Radio Shack Price. Aluminum earphone housings, spring headband covered with wear resistant fabric. 40-15,000 Hz. 4-16 ohms.

#### 24-FT. STEREO HEADPHONE EXTENSION



Extend your headphones from your receiver or amplifier. Shielded, coiled cable has stereo plug and jack. Easy to hook up. Wt. 4 oz. 42-2443. 4.95



Our lowest-priced phones pamper your ears with full range stereo sound. Air-cushioned ear pads, adjustable vinyl headband. 50-15,000 Hz response, 4-16 ohms. 5' cord,  $\frac{1}{4}$ " plug. 33-1012. Ship. wt.  $\frac{1}{2}$  lbs. 8.95

#### 20-FT. STEREO HEADPHONE EXTENSION



Shielded cable with stereo plug and jack. Use your head-phones anywhere in your room. 42-2442. Ship. wt. 1 lb. 3.95

# **Unusual Headsets and Accessories for Every Use!**



- Switchable Four-Way Design
- 600 or 2000 Ohms Impedance

For solid-state equipment. Dual switches 8-ohm headphones for use with any on plug select stereo or mono listening, solid-state equipment. Plug-mounted 600 or 2000 ohm impedance. switch selects mono or stereo. 33-197. Ship. wt. 8 oz. 9.95 33-196. Ship. wt. 8 oz. 6.95

- Wide-Range Dynamic Elements
- · For Hi-Fi Stereo or Monophonic

NOVA-FONE™ **EARPHONE** SPEAKER

- Dynamic 8-Ohm Speaker
- 30-14,000 Hz For Transistor Radios, Recorders,

New dimension in listening comfort! Special 50-micron-thick diaphragm is enclosed in an over-theear plastic sound shield—not an earphone with a tip that inserts in the ear. With 1/6" mini phone

33-1036. Ship. wt. 4 oz. ..... 2.99

#### LOW-COST MONOPHONIC HEADPHONES





# **HEADPHONES** 2000 OHM

Comfortable, adjustable — feature vinyl headband, tip plugs for portables, etc. 33-180. Ship. wt. 12 oz. ..... 2.49

#### DELUXE HEADPHONE JUNCTION BOX



#### AMPLIFIER-HEADPHONE COUPLER



# HEADPHONE Y-ADAPTER

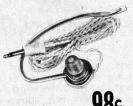
14' STEREO HEADSET REPLACEMENT CABLE



#### 20' EARPHONE **EXTENSION**



#### TRANSISTOR EARPHONE





PILLOW SPEAKER

Coiled-cord replacement extends. 3-cond.

1/8" miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios, etc. 33-175. w/\(\frac{1}{3}\) miniature plug in miniature jack and plug for transistor radios and pl

# Two-Channel Stereo Mike Mixer with Phono Input

NEW FOR '72

 Separate Volume Controls for TWO Mike Inputs on Each Channel

 Stereo-Mono Switch Lets You Feed All Four Inputs to Either Channel Output

 Phono/Microphone Switch For Instant Switching to Background Phonograph Music

 Overall Master Volume Control Adjusts Levels at All Outputs with Single Control

Separate On-Off Power Switch

Here's complete versatility in mixing and blending up to four mike inputs for professional recording, group or combo playback. Each mike has its own level cntrol, and there's a Master Control so overall volume can be adjusted without resetting each mike. Stereo phono input lets you add background music capabilities for parties, discussions, etc. Special stereo-mono switch allows two mike inputs for each channel in stereo position; four mike



inputs for mixing and blending for monophonic output at either channel. Volume controls, stereomono switch and power switch on front panel, inputs and phono-mic switch on rear panel. S/N, 50 dB. Response, 20-20,000 Hz,  $\pm 3$  dB. Metal case,  $11x2\frac{3}{6}x6^{\prime\prime}$ .

# TOTAL OF THE PARTY AND THE PAR

#### REALISTIC Solid-State Mono-Stereo Mike Mixer

Great for general-purpose PA and recording uses. Mixes four mikes mono, a pair of mikes to each stereo channel. Stereo/mono switch, on-off switch. Phono jack inputs. High impedance.  $6x3\frac{1}{2}x2\frac{1}{4}$ ". 33-920. Ship. wt.  $1\frac{1}{2}$  lbs. 9.95 23-464. 9-Volt Battery. (1 Required.) Each 35¢

# Microphone Stands and Accessories

™ 1095

Low-Profile "Sure Grip" Mike Stands with Anti-Tip Bumpers

**Q**95

12<sup>95</sup>

Ideal for clubs, motels, meeting rooms, etc. — ends bothersome fiddling with mikes that slip from their proper height. Velvet smooth "Sure Grip" clutch adjusts instantly from 34" to 62"—locks positively. Chromed tubes and specially designed low-profile bases prevent accidental kicking and have a sleek, functional appear-

ance. Bases feature levelling shock absorber pads for instant placement and use anywhere, anti-tipover bumpers to prevent accidents. Standard 5/8"-27 threads for easy connection to most mikes. Ship. wts., MS-100, 12 lbs.; MS-100C, 13 lbs. 33-320. (A) MS-100 Cast Base. 10.95 33-321. (B) MS-100C. Chrome Base. 12.95



#### PADDED DESK STAND

Heavily padded 6" dia. base, gun metal finish. 4" chrome tube attaches easily to any microphone having a standard \(^{5}8''-\frac{1}{2}7\) thread. 2 lbs. 33-370. DS-5. 3.99



Ideal for elongated or pencil-type microphones. Padded gunmetal bases will not harm desk surface.
Polished chrome tube.
56"-27 thread.

yy Polished chrome tube.  $\frac{5}{8}$ "-27 thread. 33-329.  $1\frac{1}{2}$  lbs. 2.99

# FULL 13" FLEXIBLE GOOSENECK

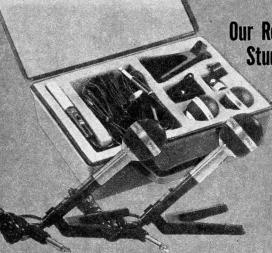
Connects to any mike, lets you move in any angle or direction.  $\frac{5}{8}$ "-27 thread each end. 33-330. GN-13. Ship. wt. 1 lb. 2.99



#### BABY-BOOM FLOOR STAND ATTACHMENT

795 Attaches to any floor stand for "studio" results. 31" long, chrome-plated 5%"-27 thread. Die-cast swivel parts. . 33-343. Ship. wt. 8 lbs. . . . . . . 7.95

FREE Tube Testing Available at Every Allied Radio Shack Store



Our Realistic PRO-100 13-Piece Mike System for Studio-Quality "Live-Action" Stereo Recordings

- Natural-Sounding 100-10,000 Hz Response for Fine Voice or Music Recordings
- Switchable 250 and 10,000 Ohms Impedance for Use with Virtually Any Equipment

Everything you need for professional recording results with all Allied and Realistic and most other reel-to-reel, cassette or 8-track cartridge recorders. Each wide-response microphone has six accessories (see below) for increased versatility and convenience. Dual 250 and 10,000 ohm impedance for great results with any type of equipment. Special fitted carry case is rugged enough for any portable use—only 93/4x11x33/4", has separate compartments for all accessories.



2 Slide-On Wind Screens Stop Pops and Noise



2 Table Stands for General Recording Uses



2 Lavalier Neck Cords for "Live" Performances



2 20-Ft. Cables with Standard Phone Plug



2 6-Ft. Cables with Molded Phone Plug



2 Floor Stand Adapters for PA and Stage Uses

# Quality-Made Mikes for Every Use At Low Allied Radio Shack Prices

A Harmonica Mike. Enhances sound of any har-monica. For PA, radio, phono. 33-115. 3 oz. 1.49

B Lapel-Type Crystal Mike. 1/8" long. 200-3000 Hz. 10' cord, miniplug. 33-100. 8 oz. 1.89

© Dynamic Mike. 50,000 ohms impedance. On - off switch desk stand, 60-9000 Hz. 33-935. 8 oz. 2.95

D "Lipstick" Crystal Mike. 60-10,000 Hz. On-off switch, 5%"-27 thread, neck cord. 33-907. 1 lb. 3.95

E Lavalier Dy-namic Mike. 4x1". 54" cable, neck cord and stand. 33-928. 2 lbs. 6.95

F Dynamic Mike With Desk Stand. Tilts 100°, swiv-els 360°. 40-9000 33-918.2 lbs. 8.95

### MULTI-PURPOSE HIGH-IMPEDANCE MIKES



#### LOW-IMPEDANCE MIKES FOR CASSETTE OR REEL-TO-REEL RECORDERS

A Cassette Mike With Stand. Miniplug for mike, sub-mini for on-off. 200 ohms. 33-1033. 4 oz. 2.49

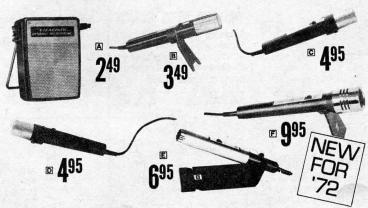
B Dynamic Cassette Mike. 150-10,000 Hz. Miniplug for mike, sub-mini on-off. 33-1034. 4 oz. 3.49

© Reel-To-Reel Mike. Mini-plug & coax power plug with on-off switch. 200Ω. Reel - To - Reel 33-10301 lb. 4.95

D For Cassette Portables. Has mini-plug for audio; long, short on-off sub-minis. 33-1031. 1 lb. 4.95

E Dynamic Om-ni-Directional. 100-11,000 Hz. With desk stand, dual plugs. 1000Ω. 33-1039. 1 lb. 6-95

F Dynamic Cardioid. 100-11,000 Hz. 1000 ohms. With desk stand, dual plugs. 33-1040. 1 lb. 9.95



## Realistic Microphones — You'll Hear the Improvement! THERE'S ONE TO FIT YOUR NEEDS—THERE'S ONE TO FIT YOUR BUDGET!



## **NEW!** Low Noise Cassettes for Full-Fidelity Recordings



Compact Cassette

Low 79c C-30



No-Compromise Features Make These Cassettes Your Best Buy!

Flanged Idler Roller Stainless Steel Pins Pressure Pad, Separate Hum Shield Curved Polyester Graphite-Coated Gasket



Not This!







Our great new cassettes offer low-noise, high-frequency response for great sounding recordings from any source, plus housing and construction that's the envy of the industry! Double-flanged idler roller for perfect tape alignment. Precision molded, polished stainless steel pins eliminate wow and flutter. High-nickel-content alloy hum shield prevents noise pickup. Graphite-coated heavy-duty gasket is curved slightly for smooth, even winding without static buildup. And—we've put it all in a high-heat high-impact styrene housing that meets or exceeds ALL U.S./Philips specs and added a hard plastic hinged storage case for a lifetime of dust-free storage. Red and green polyester leaders for easy track identification.

Stock			EACH				
No.	Type	Playing Time	1-11	12-23	24-47		
44-601 44-602 44-603 44-604	C-30 C-60 C-90 C-120	15 minutes each side 30 minutes each side 45 minutes each side 60 minutes each side	1.09 1.49 1.99 2.49	.99 1.35 1.79 2.19	1.19 1.59 1.99	1.09 1.49 1.79	



"Tape Letters" to Concerts—There's

Three-Pak CONCERTAPE®
Cassettes—Your Value-Leader
in Quality Tape



Low As Prices for Even Better Savings
(3-Pak)



Instant-load cassettes use heavy-duty polyester tape to prevent breakage and stretching while giving wide response. Use smaller tapes for voice letters, longer tapes for up to concert-length recordings. There's a size to meet your need—and at these low quantity prices you can afford to REALLY stock up!



			(3-Pc	cks)
Stock	Туре	Playing Time	1-11	12-Up
44-606 44-607 44-613 44-614	C-30 C-60 C-90 C-120	15 minutes each side 30 minutes each side 45 minutes each side 60 minutes each side	2.79 3.99	1.89 2.49 3.59 4.49





## REALISTIC Supertape

#### LOW-NOISE, WIDE DYNAMIC RANGE CASSETTES

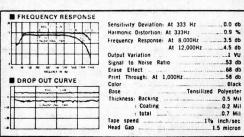
Specially formulated tape provides low noise, wide dynamic range, low dropout and high frequency response. Gives you higher signal-to-noise and lower "hiss" level required for superior recordings EVERY time. Oxide coating has ½ smaller magnetic particles to reduce dead spots and eliminate flaking. Resists print-thru and wear for longer tape life.

#### HERE'S WHY SUPERTAPE IS OUR BEST!-

we're not afraid to publish the complete specifications!

Proven Performers

High-Quality







Cat.			Ass.	EA	СН	l all
No.	Type	Playing Time	1-11	12-23	24-47	48-Up
44-615	C-60	30 minutes per side	2.59	2.29	1.99	1.59
44-616	C-90	45 minutes per side	3.29	2.99	2.59	1.99



- Record Your Own Stereo Cartridges and SAVE!
- Full-Range Response for Excellent Recordings!
- Playback At Home Or on Car Stereo Tape Players

Record your favorite tunes on these professional-quality cartridges—and you're ready for playback at home, or on your car stereo player. 8-track cartridges provide self-contained automatic operation—no threading or rewinding. Tape has special friction reducing lubricant—moves freely through recording mechanism without sticking or binding to provide highest possible fidelity, long tape life and reduced head wear. Uniform oxide coating—NO FLAKING, high S/N ratio, maximum response.

Cat.	Activities Transfer	EACH				
No.	Playing Time	1-11	12-24	25-49	50-Up	
44-840	40 Minutes	1.99	1.79	1.59	1.49	
44-841	80 Minutes	2.29	2.09	1.89	1.79	



## CONCERTape® Best-Value Tape — High Quality — Low Cost



#### 1800-FT. EXTRA-LENGTH 1 MIL POLYESTER-7" REEL

- All Top-Quality, Pre-Tested First Line Tape
- 50% More Recording Time Than Standard 1200' Tapes
- Polyester Base is Unaffected By Excess Humidity

Free of defects to provide excellent recordings. Manufactured and quality-controlled by one of the country's leading producers of professional recording tapes. Extra-length 1 mil thickness gives you 50% more recording time than conventional tapes —ideal for transcribing concert-length discs or taping longer pieces from FM stereo broadcasts. Designed to eliminate excessive hiss, dropouts or other defects commonly expected in inexpensive tapes. High strength polyester base remains unaffected by excess humidity-ideal for long-term storage and use. Excellent for transcribing your precious recordings to durable, low-wear tape. 1800' on 7" plastic reel. Buy in quantity and SAVE **EVEN MORE!** 

Cat.			EACH	
No.	1-2	3-9	10-49	50-Up
44-1018	1.95	1.79	1.59	1.39



- For Prolonged Use—Professional Studio Applications
- Offers Double The Strength of Acetate Base Tapes
- Special Oxide Coating For Uniform Sound Quality

Delivers a high-integrity signal without dropout or excessive hiss—makes quiet, great sounding recordings every time. Base material of rugged 1.5 mil mylar offers double the strength of acetate base tapes- plus 5% elongation resiliency and high resistance to humidity. Splice-free continuouslength reels- not production leftovers or overruns. Special oxide coating is highly impressionable to magnetic signal from head-tape is free from flaking oxide, edge burrs, shredding or uneven distribution of oxide which can distort signals. Mylar base undergoes no apparent aging—perfect for long-term storage, any music or voice recording uses. Quality 5" or 7" reels in protective box for dust and dirt protective. dust and dirt protection.

Cat.	Length	Dool		E/	ACH	
No. Length	Reel	1-2	3-9	10-49	50-Up	
44-755 44-1085	1200′ 600′	7" 5"	1.29	1.15 .85	1.05 .79	.89 .69

#### TRIPLE-PLAY TENSILIZED 0.5 MIL POLYESTER HAS LONG-WEAR CAPABILITY



Low 949 As J Each

- **Full Range of** Sizes
- Pre-Stretched, Lubricated
- Extra-Long Storage Life

Cat. No.	Length	Reel	1-2 Ea.	3-9 Ea.	10-49 Ea.	50-Up Ea
44-1086	300′	23/8"	.69	.64	.59	.49
44-1073	300'	3"	.69	.64	.59	.49
44-1087	600'	31/4"	.99	.94	.84	.74
44-1059	1200'	5"	1.99	1.79	1.59	1.29
44-1060	2400'	7"	2.99	2.69	2.39	1.99
44-1061	3600'	7"	4.99	4.49	3.99	3.49

#### 6-PACK SPECIAL!



THE IDEAL TAPE FOR STUDENTS. CORRESPONDENTS

50 & Up

Six 3" reels of high-quality magnetic tape for lectures, tape letters, etc. Sturdy plastic reels. Ideal for any voice recordings. Up to 30 minutes recording time per reel. Stock up now at these low prices.

Cat.	Wt. Per		EACH (	6-Packs	)
No.	6-Pack	1-2	3-9	10-49	50-Up.
44-1056	12 oz.	1.95	1.85	1.75	1.49



## Save 12% to 40% on Realistic Top Quality Tensilized-Mylar and Mylar Recording Tape

Professional quality tape with extra-durable all-Mylar base-so your recordings will last for years. Made to Realistic's rigid specifications by one of America's foremost tape manufacturers.

Compare Our Prices With

Other Famous Brands at Discount Selling Prices!

- Uniform output
- Long lasting
- Superior fidelity
- Splice free
- No "dropouts"

1500" RALYM

> EACH Stock No. Size Feet Mil Base 1.5 6.9 10-49 50-Up .45 44-734 311 225 1.0 Mylar .59 .49 .39 .67 44-760 31/4" 600 0.5 1.49 1.35 1.25 .99 1.97 Tens. Mylar 44-735 5" 600 1.5 Mylar .89 1.86 1.19 1.09 .99

5" 44-753 900 1.0 Mylar 1.49 2.40 1.79 1.69 1.59 44-736 1200 1.5 Mylar 1.79 1.49 2.91 1.69 1.59 7" 44-754 1800 1.0 Mylar 2.69 2.49 2.20 2.35 4.11 44-758 7" Tens. Mylar 3.69 2400 0.5 3.99 3.39 2.99 6.68 44-766 3600 Mylar 7.99 0.5 Tens. 6.99 6.35 5.99 5.25

Superb tape, designed to provide consistently fine sound quality. Your recordings will retain true-to-life fidelity of the original performance for years! Because Radio Shack deals directly with the manufacturer, we save and are able to pass these enormous savings on to you. Explanation of tape base and thickness: Mylar Base: extra strength DuPont "Mylar" film base usually used to protect thin 1.0 and 0.5 mil tapes from breaking under tension. Also gives you greater record/play time. Tensilized Mylar Base: as above, except prestretched for uniformity after repeated playings. For professional recordings if thin 1.0 and 0.5 mil tapes are used. Ship. wt.: 7" reel, 1½ lbs.; 5" reel, 34 lb.; 3½" and 3" reel, ½ lb.

## Our Finest Reel-to-Reel Tape REALISTIC SupertapeT.M.

A buy that just can't be beat . . reduces print-thru, hiss, headwear . . finest reproduction at a low cost.



Praised by Experts!

"I find Realistic Supertape eminently suitable for the most critical recording . . its . . wide dynamic range is obviously not gained at the expense of transparency of sound. Congratulations!"

#### LESTER LANIN-NOTED ORCHESTRA LEADER

#### Standard Supertape on 1½ Mil Acetate

For general recording. Provides flawless sound reproduction

Stock	Cina	Size Feet Mil Base		Pana	EA	CH
No.	Size	reet	IVIII	Base	1-9	10-Up
44-1870	5"	600	1.5	Acetate	1.69	1.55
44-1871	7"	1200	1.5	Acetate	2.59	2.35

#### 50% More Recording Time on 1 Mil Mylar

Stable Mylar, super-durable base assures trouble-free operation even in extreme heat or humidity.

	A PART OF THE PART					
44-1872	5"	900	1.0	Mylar	2.49	2.16
44-1873	7"	1800	1.0	Mylar	4.29	3.72

#### 100% More time on ½ Mil Tempered Mylar

Plays twice as long . . . is twice as strong as other double length types. Won't stretch or break, get dry or brittle with age. Super strong and specially treated for best stetch resistance. For all general recording purposes.

44-1874 44-1875 1200 0.5 Tens. Mylar 3.79 0.5 Tens. Mylar 6.49

#### Low Noise and Hiss-Reducing Supertape for "Pros"

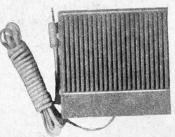
Provides the high signal-to-noise ratio and drastically lowered hiss level required for professional recording with-out sacrificing other properties needed for top quality reproduction. One of the best tape buys around.

44-1876	7"	1200	1.5	Acetate	2.99	2.58
44-1877	7"	1800	1.0	Mylar	4.99	4.41

## It's Easy to Make Professional Quality Tape Recordings

REMOTE FOOT SWITCH

**7**95



3-WAY BULK TAPE ERASER

995

Removes all recorded material from cassettes, cartridges, or reel-to-reel tapes — in seconds! Compact 51/4x





#### HOME/AUTO HEAD DEMAGNETIZER



For all recorders and players. Demagnetizes head to preserve full frequency response. With 6-foot cord, extra-long tip for hard-to-reach heads. 117 VAC.
44-1154. Ship. wt. 2 lbs. ....7.95

# 395 AUTOMOBILE TAPE HEAD DEMAGNETIZER

Demagnetizes cassette and cartridge parts which distort and increase background noise. Takes only one minute! Restores high-frequency response. With cord & plug that fits 12V car cigarette lighter outlet.

44-776. Ship. wt. 2 lbs. ......3.95



#### TAPE REEL HOLDERS

Prevents reel wobbling — a must for vertical players. Press over spindles to keep reels seated. Made of durable rubber. 44-1068. Wt. 4 oz. Pr. 49¢



#### TAPE END CLIPS

Sturdy plastic clips secure loose tape ends to guard against tearing and cracking. Keeps tapes neat too. Fits any size reel.
44-1028. Wt. 4 oz. 39¢



## 129 TAPE CUING LABELS

Color coded labels to locate and index tape selections. 30 pressure-sensitive numbered tabs aid in quickly finding recorded selections. With identification labels. 44-1159. Wt. 1/4 lb. ....1.29



## TAPE LABELS

Self-stick labels, ½" x 2" let you identify your tapes at a glance. Fit securely on tape reels— saves time when looking for specific tape. 44-1029. Wt. 4 oz. 35¢

## METALLIC SENSING TAPE

Stop or reverse any tape recorder having electronic switching controls. You never touch the tape, you never touch the recorder — yet the tape reverses automatically! Sensing tape works with your old tapes and your new tapes. Adds more versatility to your tape recorder for better use. 100" roll.

1.79



## LEADER TAPE



#### TELEPHONE PICKUP COIL

990

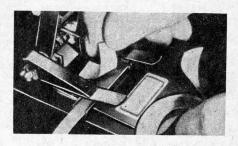
## Protect Your Tapes and Recorder with These Handy Accessories



Precision splicer made speci-fically for cassettes. Cuts and fically for cassettes. Cuts and trims. Splicing tape included. 44-771. Wt. 1 lb. 2.95



Splicing block especially for cassettes. Edit or repair cassettes in seconds. 44-1021. Wt. 1 lb.



#### MYLAR BASE SPLICING TAPE

Makes Perfect Splices Everytimel

Quality-controlled tape insures perfect splices that will hold securely. Makes editing and tape repair a breeze. Non-adhesive on one side. Applies easily and quickly. Ship wt. 4 oz.

Cat. No.	Width	Length	EACH
44-1125	1/4"	100"	.30
44-1126	3/8"	100"	.35
44-1127	1/2".	100"	.40



A precision model that cuts and trims tape diagonally. Holds tape firmly. Built-in dis-penser with roll of 3/6" splicing 

Edit or repair your tapes in seconds. Easy to apply and trim tape. Makes well-bonded splices. All aluminum. 44-1020. Wt. 1 lb. 1.99

TAPE

RECORDER

CLEANER



Tape head cleaner convenient aerosol spray can. Has extension nozzle hard-to-reach heads. Contains 3 oz. 44-1011. Wt. 1 lb..... 1.39



Special Formula Thoroughly cleans heads, tape guides, capstan rollers, all metal parts. Built-in felt applicator. 2 ozs. 44-1010. Wt. 3 oz. .......79\$



Specially formulated to prevent rust, corrosion on rotating and moving parts. tating and moving parts. The finest lubricant; 2 ozs. 44-1012. Wt. 3 oz. 49¢

LUBRICATING

OIL

For

Recorders

& Changers



"NON-SLIP"

Insures Uniform Speed

Stops slippage of idler wheels, pulley belts and cords. Fast drying. Will not harm rubber. Felt applica-44-1013. Wt. 3 oz..... 69¢



**CLOTH TAPE HEAD CLEANER** 

3" reel of cleaner-impregnated cloth tape. Run through recorder heads. Extra 44-1151. Wt. 8 oz. 1.59



100 CLEANING STICKS

For getting at hard-to-reach spots in recorders, phonos, other equipment. 6" long with cotton tips. 44-1093. Wt. 2 oz. 59¢



#### SELF-STICK PRESSURE PADS

Replace your worn pressure pads now! Two pads, ½", 3/16" thick. You cut to fit. 44-1027. 3 oz. 49¢

#### Pack of 4 CLEANING CLOTHS



Chemically Treated-Protects Records & Tapes

Cloths clean and lubricate by depositing ultra-thin silicone film on surfaces. Removes distortion & squeal. Antistatic. 44-1088. Wt. 4 oz.

#### 8-TRACK **HEAD CLEANER**

Non-Abrasive, Removes Graphite Deposits-Adds Life to Heads



For all 8-track car or home units. Insert into player as you would a cartridge and allow machine to operate for 10 seconds. Provides maximum fidelity. Use weekly. 44-1161. Wt. 8 oz.

#### CASSETTE HEAD CLEANER



## Keep Your Tape in Shape with These Handy Storage Accessories

## NEW!



"CASSETTE" "LAZY SUSAN" 795

Our special-design "lazy sans" keep tapes finger Our special-design "lazy su-sans" keep tapes fingertip-ready, and add a decorator touch to your stereo system and room style. Heavy-duty metal case with walnut-grain trim. Special ball-bearing swivel base. Tapes store hor-izontally — cassette unit fea-tures pressure-sensitive latures pressure-sensitive la-bels for each cassette. Chrome

handle, cushioned base. 44-651. Holds up to 24 Cassettes. Ship. wt. 6 lbs. 7.95
44-652. Holds up to 24 8
Track Cartridges. Ship. wt. 8 lbs. 9.95

### NEW!



**8 TRACK** 995 CARTRIDGE "LAZY SUSAN"

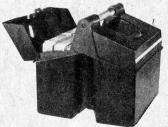
CASSETTE

STORAGE

**ALBUM** 

198

#### **HOME OR AUTO** CARRY CASE



Holds 12 Cartridges! Holds 36 Cassettes!

195

Handy storage for either cassettes or 8-track cartridges. Fold out bottom for placing securely on front seat "hump" in you car, handy carrying handle. Good-looking black molded case with walnut trim. 44-650. Ship. wt.  $1\frac{1}{2}$  lbs. 4.95

## NEW!

**HEAVY-DUTY** CASSETTE STORAGE BOXES

Well-built clear plastic Phillips-type cassette boxes. Hinged cover for easy access. Keeps your cassettes clean and dust-free. Can be stacked neatly and compactly.

44-611. Ship. wt. 1 lb. ....3-pack 69¢

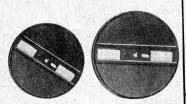


STICK 'EM STACK 'EM, CASSETTE TRAYS!

69c

Each 69¢

#### **DROP-IN** "AUTOTHREAD" TAPE REELS FOR THE EASIEST TAPE THREADING EVER!



5" Reel Only 7" Reel Only

End bothersome loose tape ends and frazzled nerves when threading your tapes. Convenient Autothread reels let you drop tape end into reel and forget about it—it threads itself! It's 

#### **EMPTY TAPE REELS WITH BOXES**

Low As



Sturdy reels at low, low prices.

Cat. No.	Reel	Ea.	6-9 Ea.	Ea.	Ea.
44-272	23/8"	.16	.14	.11	.09
44-273	3"	.17	.15	.12	.10
44-1000	31/4"	.23	.20	.17	.13
44-278	5"	.38	.35	.31	.27
44-279	7"	.44	.40	.36	.30
				and the second	



Keep your tape clean, dust free for long life. Great for film too.

44-204. For 5" Tape Reels.

1-5 Each 59¢ 10-49 Each 43¢ 6-9 .... Each 49¢ 50-Up .. Each 35¢ 44-201. For 7" Reels. 6-9 ... Each 69¢ 50-Up .. Each 49¢ .. Each 79¢

TAPE MAILERS

Uniquely

styled

Stock up now! 44-620. Ship. wt. 1 lb.



cassette trays make convenient easy-access stacks. Each tray holds 3 cassettes stack horizontally or vertically.

Pack of 12. Prevents damage 

#### 5" AND 7" TAPE CASES WITH RACK

10-49 .. Each 59¢

1-5

Take good care of your tapes with these convenient storage cases and racks—they'll last longer and sound better. These cases keep tapes clean and dust-free, convenient racks stack side by side for easy access. Low prices—buy enough for your whole tape library.

44-1153. 5" Reel. Ship wt. 2 lbs. Pkg. 3/1.69 44-1152. 7" Reel. Ship. wt. 2 lbs. Pkg. 3/1.98





3-Pack 29c

Cassette Mailers. Conform to Postal regulations for mailing, also handy as storage cassette boxes. With mailing labels for easy addressing. Buy in quantity and save. Wt. 4 oz. 44-608. 3-Packs 1-11 Ea. 39¢ 12-Up Ea. 29¢

## Phono Accessories Keep Your System in "Hi-Fi" Shape

#### RECORD CLEANING KIT— KEEPS RECORDS "YOUNG"



· With Stylus, Brush

## HI-FI "SENTINEL" PROTECTS AMPLIFIERS! YOUR RECORD CHANGER TURNS ENTIRE SYSTEM OFF

 $5^{95}$ 



Turns System Off When Last Record Plays

Mounts on Changer or Shelf
Defeat Switch for Manual Use

Jefeat Switch for Manual Use
Low-cost "insurance!" Good protection for your amplifier—eliminates accidentally leaving system on when all records have been played. Simply hook Sentinel connectors to changer and plug amplifier into AC outlet on Sentinel. For use with Realistic Lab Series, BSR, Garrard, most other changers. Auxiliary AC outlet for tape recorder or player. 43/4x2x21/4".
42-2932. Ship. wt. 11/2 lbs. ....5.95

#### EASY-TO-USE RECORD CLEANER SPRAY



With Spray, Cloth

Fine spray penetrates deepest record grooves. With record cleaning cloth. 42-2500. 1 lb. ......99¢

## STEREO PREAMP! USE A MAGNETIC CARTRIDGE WITH ANY AMPLIFIER OR CONSOLE

995

- Solid-State Circuitry
- Instant Installation

Lets you use a changer with magnetic cartridge even with equipment that has a ceramic phono input—gives you the increased bass and treble only a magnetic cartridge can provide. 2½x4x1½". Easy hook up. Up-date your system today.

42-2930. Ship. wt. 1 lb. ......9.95



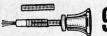
#### 50-POWER STYLUS MICROSCOPE



50-power magnification microscope to inspect phono needles for signs of wear, chipping or breaking. Lets you know when it's time to change your stylus so the needle doesn't damage or permanently ruin your records. Will save you countless dollars in the long run by preventing damage to your records.

42-747. Ship. wt. 4 oz. 1.99

#### CHANGER MOUNT STYLUS BRUSH

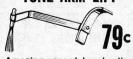


99c

Now you can keep harmful grit and small particles of dirt from adhering to your needle and eventually causing the needle to chip by using our stylus brush. Mounts on changer and when tone arm returns after last record is played brush comes in contact and cleans the stylus.

42-746. Ship. wt. 8 oz. 99¢

## RECORD BRUSH & TONE ARM LIFT



Amazing record brush clips on to any style tone arm to keep your records lint, dirt and dust free. Eliminates annoying static from records. Prevents stylus from picking up harmful grit. Automatic pressure control so there's no danger of changing tracking weight and permanently ruining a record.

42-1072. Ship. wt. 4 oz. 79¢

## STYLUS PRESSURE GAUGE



Too heavy a stylus pressure can easily ruin and distort the grooves of your favorite record . . . making the sound less than hi-fi. And eventually cost money in replacing records. With this gauge you can correctly adjust tracking down to 2 grams. Easy to use . . . no special calculating needed. 42-2350. Ship. wt. 4 oz. 99¢

#### 45-rpm RECORD INSERTS



Package of 12 snap-in design 45 rpm record inserts for playing your favorite 45's. Save money on buying an expensive 45 rpm spindle. Allows you to automatically play numerous discs. Effortlessly pops out . . no danger of cracking discs. 42-125. Ship. wt. 2 oz. 29¢

## RECORD SAVING DUST COVERS



Pak of 12

Protect your records from dust and dirt even when they're being stored. 12x13" covers have round bottoms...provide excellent protection for your LP's. Slip easily over records... insert in LP jacket for even better protection. 42-1070. Wt. 1/4 lb. .....89¢

## PLATTER SPEED STROBE DISC



39c

Your platter speed may be actually 33½ rpm instead of 33½ rpm and you've wondered why the sound is distorted. Now you can easily pinpoint the turntable speed and find if your favorite record is playing either too slow or too fast. 42-268. Ship. wt. 4 oz. 39¢

## ECONOMY PLASTIC CHANGER COVER



199

Records may be spotlessly clean and stylus free of grit, but yet the flip side of your favorite record will become loaded with dirt and grime caused by a filthy turntable. So . . to keep the turntable clean, protect it with our changer cover. 17x15x83/4".

42-1069. Wt. 4 oz. ......1.99

## Realistic Accessories Do Make A Difference!

#### MONOPHONIC PICKUP ARM WITH FLIP-OVER CARTRIDGE



Economical replacement for damaged tone arm on monophone portable phonos. 8" fingerlift arm, turnover cartridge with dual sapphire needles. Plays LP's and 78's. 

STEREO PICKUP ARM WITH CRYSTAL CARTRIDGE



8" adjustable arm has finger-lift offset head. 2½-volt output crystal stereo cartridge with dual saphire styli plays both LP's and 78's. Ideal replacement for portables. 42.128. Wt. 2 lbs. ... 3.59 42-128. Wt. 2 lbs. ......3.59

#### CHEMICALLY TREATED RECORD CLEANING CLOTHS



Keep your records static-free and in "hi-fi" shape. Lubricate, protect by de-positing ultra-thin silcon positing ultra-thin silcon film on record surface—re-pels dust, dirt. You'll hear the difference! 44-1088. Wt. 4 oz. Pkg. 4/89¢

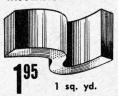
#### DURABLE MOLDED PLASTIC **45-RPM SPINDLE ADAPTER**



Lets you play your 45-rpm records on any phono. Molded plastic ball is slightly flattened on side to hold 45's firmly. Hole in center or fits any spin-

42-120. Wt. 4 oz. ..... 29¢

#### FIBERGLASS ACOUSTIC INSULATION LINING



Ideal for lining speaker en-Ideal for lining speaker en-closures to prevent strident tones and to get better bass response. Also line your record changer to prevent acoustic feedback. Get some today. 42-1082. Wt. 2 lbs. ......1.95

#### 10" AND 12" PHONOGRAPH CUSHIONS



Polyester foam turntable cushions help prevent disc slipping (major cause of record scratching). Also record scratching). Also helps eliminate annoying turntable rumble. 42-360. 10" size 69¢ 42-361. 12" size 79¢

#### HANDY CLIP-ON RECORD BRUSH

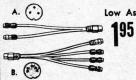


Snaps on your phono cartridge — keeps records free of dust and dirt as they play. Helps eliminate scratchy sound caused fromcartridge hitting foreign matter on your records. 42-1073. Wt. 4 oz. .....39¢

**ENDURO-CLEAN** RECORD CLEANING PAD

chemical that are a product of spacethat are a product of spaceage research. Discharges static electricity to keep your records clean and static free. Easy to use wet pad, wipe following grooves while record turns. 42-121. 4 oz. ...........88

#### 3 AND 4-PIN EUROPEAN TYPE Y-ADAPTERS



Use to adapt DIN or Hirschman sockets to all standard man sockets to all standard American phono plugs and cables. 6" cables. 42-2393. A 3-Pin Socket to Two Phono Jacks 1.95 42-2394. B 5-Pin Socket to Four Phono Jacks 2.95

Lets you keep your guitar far enough away from its amp to virtually stop feedback. 12-ft. coiled cable has phone plugs at each end. Connects your guitar and amplifier.

#### COILED GUITAR CABLE WITH PHONE PLUGS



and amplifier. 42-978. 4 oz. .....2.49

#### COLOR-CODED 36" **AUDIO CABLES**



Top-quality cables are shielded for good protection and low signal loss. Perfect for easy connections, testing equipment, checks and repairs. Stock up now at this low price. 42-2309

#### 72" STEREO CONNECTOR CABLE



#### Convenient, Easy Hookup Speaker Extension Cables WITH PHONO PLUGS

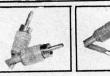




No soldering. Cord terminates in RCA plug at each end. Use to hook up extensions or move your present speaker. 42-2392. 24-ft. 8 oz. .... 1.69 42-2445. 12-ft. 4 oz. ....1.29



Same as above, but with lug connectors. Color coded to assure proper speaker phasing. 42-2446. 24-ft. 8 oz. .....1.19 42-2447. 12-ft. 4 oz. .... 89¢





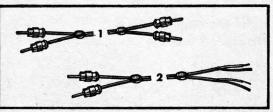
#### PHONO PLUG COILED **AUDIO CABLES**

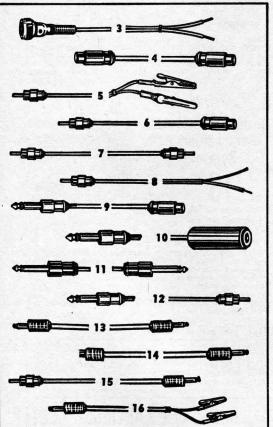
Coiled cables tended but retract to only 8". For neat con-nections in just about any use. 42-2396.

42-2397. Phono Plug, one End; Stripped and Tinned Leads, Other ....... 99¢

42-2398. Phono Plug to Color Coded Alligator Clips 1.49

## Realistic Indestructible Audio Cables for Every Use





(FM Antenna)

#### MOLDED STEREO CABLE ASSEMBLIES FOR EASY HOOK-UP

Shielded stereo cables for quick, easy connections. Plugs are color-coded for correct hook-up the first time. Single gray cable splits 5" from each end for separate plugs.

Stock No.	Fig.	Description	In.	EA.
42-2351	1	2 Straight Phono Plugs at Each End	36	2.10
42-2352	1	2 Straight Phono Plugs at Each End	72	2.59
42-2355	_2	2 Straight Phono Plugs at One End;		
		2 stripped and tinned ends	72	2.19

#### **MOLDED CABLE ASSEMBLIES & FM ANTENNA**

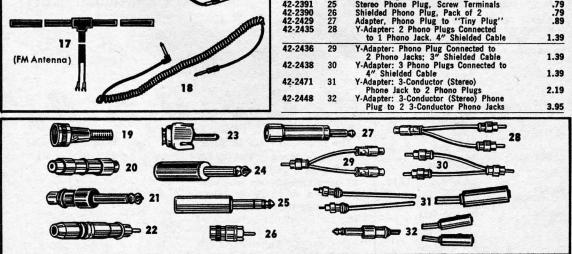
Multipurpose flexible cable for every application. All cables are gray, shielded except Fig. 5 (parallel wires for speaker connections), Fig. 17 (FM antenna), Fig. 18 (black coil cord,

Stock No.	Fig.	Description	In.	EA.
42-2357	3	Mike Connector to Stripped, Tinned Ends	72	1.4
42-2358	4	Phono Jack to Phono Jack	72	1.1
42-2359	5	Phono Plug to Alligator Clips	144	1.3
42-2361	6	Phono Plug to Phono Jack	36	.8
42-2362	6	Phono Plug to Phono Jack	72	1.0
42-2363	6	Phono Plug to Phono Jack	144	1.59
42-2365	7	Phono Plug to Phono Plug	18	.69
42-2366	7	Phono Plug to Phono Plug	36	.79
42-2367	7	Phono Plug to Phono Plug	72	.99
42-2368	7	Phono Plug to Phono, Plug	144	1.49
42-2370	8	Phono Plug to Stripped/Tinned Ends	36	.59
42-2371	8	Phono Plug to Stripped/Tinned Ends	72	.79
42-2372	8	Phono Plug to Stripped/Tinned Ends	144	1.09
42-2377	9	Phone Plug to Phone Jack	72	1.29
42-2378	10	Phone Plug to Phone Jack	144	2.29
42-2381	11	Phone Plug to Phone Plug	72	1.59
42-2373	12	Phono Plug to Phone Plug	72	1.29
42-2420	13	Miniature Phone Plug to Miniature Phone Plug	72	.99
42-2472	14	Miniature Phone Plug to		
		Miniature Phone Jack	72	1.85
42-2444	15	Miniature Phone Plug to Phono Plug	72	.99
42-2421	16	Miniature Phone Plug to Alligator Clips	72	1.19
42-2385	17	FM Antenna		1.49
42-2473	18	Coiled Guitar Cord: 36", Extends to 15'; Phone Plugs	180	4.95

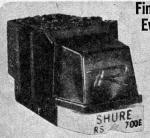
#### ADAPTERS AND CONNECTORS

All adapters are made of high-strength, lightweight plastic . . . molded for long life and noise-free operation.

Stock No.	Fig.	Description	EA.
42-2388	19	Microphone Connector, Female/Male	.49
42-2404	20	Phone Plug to Phono Plug	.69
42-2405	21	Phone Plug Output, Phone Jack Input	.79
42-2414	22	Phone Jack Input to Phono Plug Output	.99
42-2417	23	Phono Plug, Pack of 5	.39
42-2425	24	Phone Plug, Screw Terminals	.49
42-2391	25	Stereo Phone Plug, Screw Terminals	.79
42-2390	26	Shielded Phono Plug, Pack of 2	.79
42-2429	27	Adapter, Phono Plug to "Tiny Plug"	.89
42-2435	28	Y-Adapter: 2 Phono Plugs Connected to 1 Phono Jack. 4" Shielded Cable	1.39
42-2436	29	Y-Adapter: Phono Plug Connected to 2 Phono Jacks; 3" Shielded Cable	1.39
42-2438	30	Y-Adapter: 3 Phono Plugs Connected to 4" Shielded Cable	1.39
42-2471	31	Y-Adapter: 3-Conductor (Stereo) Phone Jack to 2 Phone Plugs	2.19
42-2448	32	Y-Adapter: 3-Conductor (Stereo) Phone Plug to 2 3-Conductor Phono Jacks	3.95



## Realistic/Shure Diamond-Stylus Magnetic Stereo Cartridges



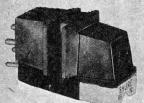
Finest Cartridge We've Ever Offered—Tracks Low As 34 Gram!

- Frequency Response of 10-25,000 Hz
- .0002x.0007" Elliptical Diamond Stylus

**High-Performance Elliptical** Tracks 1-11/4 Grams

- Frequency Response of 20-20,000 Hz
- With .0002 x .0007" Diamond Stylus

#### Our Lowest Priced Elliptical-Stylus Cartridge!



- The Perfect Way To **Up-Date Your** Conical-Cartridge System
- Tracks from 11/2-3 Grams
- 20-20,000 Hz Response

Model R47EB. The economy elliptical-stylus cartridge that still gives you many "expensive model" features. Low-tracking force lets you use with good-quality changers and turntables. .0004x.0007" diamond-stylus lets you use as replacement for a conical cartridge and get a better sound from your records. Channel Separation: 20 dB at 1 kHz. Tracks 1½-3 grams. 42-2761. Ship. wt. 8 oz. 19.95

#### **Quality-Made Conical** With 20-20,000 Hz Response

- Ideal for Changer That Tracks 3-5 Grams
- **Even Accepts Elliptical** Replacement Stylus

Model R7C. The perfect cartridge for low-priced stereo systems. Offers a full 20-20,000 Hz frequency response for great stereo sound, has .0006" conical diamond stylus for accurate record tracking from 3-5 grams. Ideal replacement for many consoles and portable phonos. Easy to update too—accepts RS27E replacement stylus (sold below). Separation: 25 dB at 1 kHz. 42-2760. Ship. wt. 8 oz. 13.95

## REPLACEMENT NEFDLES FOR ABOVE (All are interchangeable)

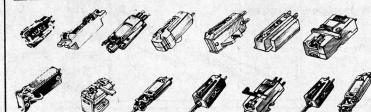
Cat. No.	Model	Description	EACH
42-2776 42-2762 42-2764	RS7C RS47EB RS27E	For R7C, Shure M71, M75, M90 Series For R47EB, Shure M71, M75, M90 Series For R27E, Shure M71, M75, M90 Series	9.95 14.95 18.95
42-2766	RS700E	For R700E, Shure M71, M75, M90, M91, M92, M93, Series	24.95

#### Magnetic Cartridge Replacement **Diamond Needles**

All made by the manufacturer—no	e original cartridge substitutes.
Cat. No. Model	Fits Cartridge Price
42-238 N3D	Realistic RS-100, Shure M3D, M7D 7.95
<b>42-219</b> N21D	Shure M3D, M7D, M7N21D — 1½- 2½ grams
42-2772 N120E	only 11.00 Realistic RS- 120E, Shure
42-2775 N220E	M32E 12.95 Realistic RS-220E,
42-2776 RS7C	Shure M31E 14.95 Realistic LAB-6 changer, MC- 2000/3000
42-2483 D1507AC-2	compacts 9.95 Pickering P/AC, V15-AC-2,
42-2484 D1507AT-2	V15-AC-1 9.95 Pickering V15/ AT-2, V15/ AT-1, V15ATM.
	Fits almost all KLH, Scott and

similar compact

### NEW FOR '72 CONSUMER CARTRIDGE CENTER



The One-Stop Place to Shop for ANY Replacement Cartridge!

End bothersome searching for replacement cartridges for old or off-brand phonos - mono or stereo. Allied Radio Shack has the cartridge you're looking for - either in stock at our stores or available on order from our Consumer Cartridge Center. We have over 95% of all the replacements available-and all are of the highest quality, made to meet or exceed manufacturer's specs. Stop in at any of our over 1000 stores coast-tocoast - you'll be able to purchase the cartridge you need or order - without going all over town!

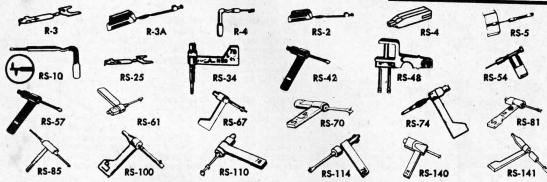
## REALISTIC® Diamond Replacement Needles

#### Whole Stone, Finely Graded Needles

- Individually Shadowgraphed for Uniform Quality and Response
- Wide Selection—Choose the Exact Needle for Your Needs

Only at "The Shack" can you buy these quality replacement needles. Each is guaranteed to be a whole-stone, NOT just a chip. Each diamond is carefully graded to eliminate the super-hard stones that could ruin your records. Why pay more when you can get the best for less?





Cat. No.	Figure	Cartridge No.	Each
		ASTATIC	
42-2813 42-2817 42-2808 42-2804 42-2814 42-2703	R-3 RS-25 RS-34 RS-67 RS-74 RS-4	314, 420, 422, 424, 426 70, 74, 76, 80, 86 Stereo 133 Stereo 140, 142 Stereo 153, 157 Stereo 0.5EV 130, Astatic 13TX (Stereo)	2.99 2.99 2.99 2.99 2.99 5.95
		BSR	
42-2810	RS-81	ST-3, 4, 5, 6, X3H, JX-1H, SX-2H, C1	2.99
42-2828	RS-110	ST-8, ST-9, 5X5H, 5C5H	2.99
		ELECTRO-VOICE	
42-2829 42-2826 42-2811	RS-5 RS-42 RS-57	21, 26T Stereo 132, 141, 149 Stereo 169 Flexible	2.99 2.99 2.99
		EUPHONICS	
42-2835	RS-48	U-8, 9, 19, 11	2.99
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42-2896	RS-70	C-500, C-560	2.99
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42-2817	RS-25	S, T, 90 Stereo	2.99
		MAGNAVOX	
42-2813 42-2829	R-3 RS-5	560176, 560180-1, 2, 3; 560209- 1, 2; 560236,-1, 560288-1, 2 560232-1, 560233-1,3,4,5;	2.99
42-2811	RS-57	560250-1, 3; 56029017, 3 360310; 560340-1	2.99 2.99

Cat. No.	Figure	Cartridge No.	Each
		RCA	
42-2813	R-3	103330, 105482, 106776, 108718	2.99
42-2838	RS-140	116931, 118918 White, 117330, RPW 2049	2.99
		RONETTE	
42-2813 42-2819	R-3 R-3A	DC-04; TC-200; TO-222; TO-284; TO-400; DT-60; RA-284; RA-395, -1 OV; T; T-1; 105; 106; BF-40 Stereo; DC-04; DC-122; DC-422	2.99
		DC-500; SCW-395-1	2.99
		SONOTONE	
42-2883 42-2885 42-2888 42-2897	R-4 RS-10 RS-54 RS-61	2T Series; 5T Series; 7T Series; 8TA-45; 8TA-4SD; 8TA-4D 18-T Stereo; 9T; 916T; 16T N21TSD	2.99 2.99 2.99 2.99
		TETRAD	
42-2802	RS-114	620	2.99
		VACO (VARCO)	
42-2817 42-2813 42-2805 42-2939	RS-25 R-3 RS-100 RS-141	ST-100, ST-200 Stereo TO-45 (x) CN60, 65, 67, 68, 70, 72, 75 TO-4-B	2.99 2.99 2.99 2.99
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42-2813	R-3	142-47; 142-84; 142-85; 142-86B; 142-95; 142-96; 142-97; 142-125	2.99
42-2821	RS-2	142-99B; 142-101B; 142-107B Stereo	2.99
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#### STEKEO-4TM Records 595 four channel

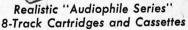
Hear Enoch Light as you've never heard him before! Stereo-4 enrear Enoch Light as you've never neard nim before: Stereo-4 encoded recordings sound better on your present stereo system and also play on the latest four-channel systems. Brilliant, exciting arrangements of highly popular tunes.

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#### SHOW OFF YOUR TAPE PLAYERS WITH THESE **DEMO AND SOUND EFFECTS RECORDINGS**







STEREO SPECTACULAR. Spans the entire frequency range with stunning sound effects. Orchestral, individual instrument, "live" effects, others. 51-2777, Cassette; 51-3777, 8-Track.

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8-TRACK 4-CHANNEL, **STEREO** DEMO TAPE



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Hear over 25 sound effects that demonstrate the range and power of your tape system. Includes sounds of trains, airstrate the range and power or your tape system. Includes sounds of trains, airplanes, boat whistles, birds, parades, roller coasters. Sweeps the entire frequency spectrum with a brilliant display.

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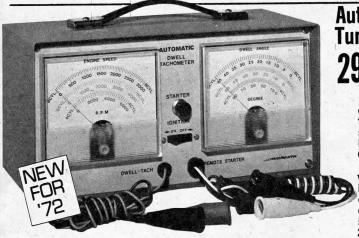


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295 Simultaneous Readings of **Engine Speed and Dwell Angle** 

Exclusive Ignition Starter

Instant, direct readings from two 41/2" double-jeweled D'Arsonval meters. Ignition automatic starter switch lets you start engine from outside the vehicle. Reads: 0-3000 rpm, 0-45° (8-cylinder); 0-4000 rpm, 0-60° (6-cylinder); 0-6000 rpm, 0-90° (4-cylinder). For 6, 12, 24volt systems. Solid-state circuitry elimadjustments, burnouts. Color coded leads with insulated heavy-duty clips, instructions, tuneup chart. 113/4x 51/8×6". 22-014. Ship. wt. 7 lbs. ......29.95

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Converts 110 VAC to 12 VDC-operates your mobile units from house current. Also charges 12-volt batteries, serves as battery eliminator when servicing 12 VDC equipment. Output: 12 volts at 1.75 amps continuous, 5 amps surge current. Input: 117 VAC at 50-60 Hz. Illuminated rocker switch signals power on; screw terminal output connections. Fully protected from blowouts. U.L.

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- 4.5, 6, 9 and 12-volts at up to 140 mA
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Use as battery eliminator for transistor radios or for operation of low-voltage solid-state equipment. Highly filtered circuitry. Transformer power supply, binding posts, pilot light.  $5\frac{1}{2}x2\frac{5}{8}x2\frac{3}{8}$ ". **22-008.** Ship. wt.  $1\frac{1}{4}$  lbs. **8.95** 

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Helps You Keep Your Car in Perfect Tune

Set Carburetor for Best Efficiency, Gas Economy

For 4, 6, 8-Cylinder Engines; 6, 12-Volts

Electrically locates correct point gap setting for proper firing, lets you set points on "Window" distributors with the engine running. Also helps pin-point defective spark plugs, permits proper engine rpm setting. RPM scale: 0-3000: 8-cylinder dwell, 5-45°; 6-cylinder dwell, 20-60°. Easy to read 3½" meter has color coded scales. With leads terminated in insulated alligator clips, tuning chart. Size, 61/4x33/4x2". 



MINIATURE PANEL METERS

Better than 2% accuracy.

11/4×11/2". Req. 11/4" hole.

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Use it to keep your engine in "race car" tune and save on expensive tune-ups too! Fully factory wired and tested, ready to use! Dwell meter tests points, distributor, spark advance to insure correct firing power. Adjust idle speed, transmission shift points with tachometer. Accurately checks voltage and current regulators, generators, alternator diodes. Locates open or poor electrical circuits. Has built-in Saves You \$ \$ \$ on Tuneups, **Troubleshooting. Repairs! Portable Auto** 

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- Tachometer, Voltmeter, Dwell Meter, Ammeter, Condenser Check . . . All in One Unit
- BIG 7-inch Meter, 10 Scales
- Test 6-12 Volt Electrical System
- For 4, 6, 8-Cylinder Engines
- Ideal for On-the-Road Testing Tuneup & Instruction Manuals
- substitution condensor. Scales read 0-3.2-16 VDC; 0-90 amps; 0-1200-6000 rpm; 0-45; 0-90; 0-60°

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Auto Siren Alarm Kit— **Protects Your Car** and Contents! Loud Siren Foils Would-Be Car Thieves

Here's low-cost 24-hour protection. Siren sounds if hood, trunk, doors are tampered with—can be heard for blocks. With spun-aluminum siren, 6 switches, 2 keys, lock, wire/hardware. For 12VDC neg. ground.  **Auto Tape Player** Theft Alarm

Sounds Horn When Disturbed, Scares Off Vandals, Thieves



Protect your valuable car tape player, radio, 2-way radio equipment, tachometer—ANY electrical auto accessory. Installs quickly, easily. For 12 VDC negative ground systems. Size, 2x7/8x7/8". 



#### Transistorized DC-to-AC Power Inverter

on Credit

- Converts Any 12 VDC Input to 117 VAC @ 60 Hz Output
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   4 Transistors

Allows you to bring AC current to your car, truck, boat or camper or for use of household appliances where standard AC is not available. Features power transistor circuitry for heavy-duty operation. Size, 31/2 x5x51/4



Micronta High-Accuracy Multitesters

PERFORMANCE-PROVEN IN SHOP AND FIELD BY SERVICEMEN, TECHNICIANS, HOBBYISTS

2995

· 100,000 Ohms/Volt! 27 Ranges! Mirrored Scale!

- Meter Protection Circuit Guards Against Burnout
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One of the finest portable/bench meters available at this price! Lets you do faster, more accurate testing. Special matched pair of silicon diodes in a sophisticated protection circuit prevents overload damage. Reads DC volts: 0-500 mV, 0-2.5-10-50-250-500-1000 volts at 100,000 ohms/volt. AC Volts: 0-2.5-10-50-250-1000 volts at 12,500 ohms/volt. DC Current: 0-10-250 \(\mu A\), 0-2.5-25-250 mA, 0-10 A. Resistance: 0-2k-20k-20 meg. Decibels: \(-20\) to +62 in 5 ranges. 0-500 mV scale is ideal for working with low-voltage solid-state equipment. Mirrored scale eliminates parallax for more precise readings. With batteries, leads, instructions. Carrying case with handle. Size, \(7x5\)\frac{1}{4}x3\]\frac{1}{4}".



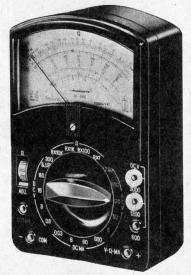
#### 20,000 OHMS/VOLT! 1095 17 RANGES

Low-priced VOM with "expensive model" features. Reads DC volts: 0-5-25-125-500-1000 @ 20k ohms/volt. AC volts: 0-10-50-250-1000 @ 10k ohms/volt. DC current: 0-50  $\mu$ A, 0-250 mA. Ohms: 0-6k-60k. dB: -20 to +62. Mirrored scale, single knob selector with off position. With leads, battery, instructions. 4  $^4/8$ , X3x1  $^1/8$ ". 22-046. Ship. wt.  $1\frac{1}{2}$  lbs. ......10.95



20,000 OHMS/VOLT! **15**95 28 RANGES!

Easy single-knob range selection. Reads DC volts: 0.3-15-60-300-600-1200 @ 20k ohms/volt. AC volts: 0-6-30-120-600-1200 @ 10k ohms/volt. DC Current: 0-60 µA, 0-3-30-300 mA. Ohms: 0-12k-120k ohms; 0-1.2-12 megohms. (center scale, 60, 600, 6k, 60k). dB: -20 to +63 in 5 ranges. Size, 3\frac{1}{2}\frac{\pi}



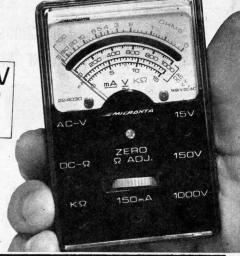
30,000 OHMS/VOLT! 1995 26 RANGES!

## Micronta Test Equipment . . Used by More Radio-TV Servicemen, Hobbyists, Engineers

## 1000 OHMS/VOLT POCKET MULTITESTER FOR AC/DC ...8 RANGES ... HOBBYISTS AND DO-IT-YOURSELFERS

- Ultra-Compact—Only 31/2×25/16×11/4"
- Convenient Thumb-Set Zero Adjustment
- Uses Precision 1% Tolerance Resistors
- · Mirrored Scale for Accurate Readings





RANGE DOUBLER

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#### 50,000 OHMS/VOLT 46-RANGE MULTITESTER HAS "RANGE DOUBLER" FOR GREATER VERSATILITY

- Diode-Protected Against Burnout and Overload
- Single-Knob Function Selector for Easy Operation
- 4" Mirrored Scale for Easy-Reading Accuracy
- Carrying Handle Doubles As Tilt Stand for Bench

High-accuracy multitester compares with models costing far more. Range doubler circuit enables you to obtain more accurate readings on both current and voltage ranges—especially recommended for low-voltage transistor servicing. Easy to read 4'' meter has color-coded mirrored scale. Ranges: DC Volts: 0.1251.25.25.25.125.500 @ 50k ohms/volt with range doubler; 0.252.5.10.50.250.1000 @ 25k ohms/volt. AC Volts: 15.5.25.125.500 @ 10k ohms/volt with range doubler. 3.10.50.250.1000 @ 5k ohms/volt. DC Current:  $50~\mu$ A-5 mA-50-mA-500 mA-10 amps:  $25.\mu$ A-2.5 mA-25 mA-25 mA-25 mA-25 mA-25 maps with range doubler. Resistance: 0.16k.160k ohms; 1.6.16 meg. dB: -20 to +62 in 10 ranges. With 50" test leads with banana plugs, batteries and instructions. 61/2x49/4x21/2''. 22-260. Ship. wt. 3 lbs. ...

=MICRONTA 6

#### "IN" OR "OUT" OF CIRCUIT DYNAMIC TRANSISTOR CHECKER

· Tests Low, Medium, High Power PNP and NPN Types Indicates electrode open circuits, short circuits, current gain. Permits matching of similar transistors in operating circuits. GO/NO GO test from 5-50 mA on power types. Front panel quick-check socket; clip leads for 'in-circuit" test. Size, 61/4x 

#### TRANSISTORIZED SIGNAL TRACER SPOTS CIRCUIT TROUBLES FAST

· Checks RF, IF and Audio Signals from Antenna to Speaker

Test audio equipment stage by stage fest audio equipment stage by stage for accurate troubleshooting. Can even be used to test mikes, record players, FM-AM tuners and receivers. Has built-in 2" speaker, adjustable volume control. Battery-operated, easily portable. With 9-volt battery. test leads, instructions. Size, 2x55/8x 22-010. Ship. wt. 1 lb. ............9.95



SOLID-STATE SIGNAL INJECTOR TRACES IF, RF AND AF CIRCUITS



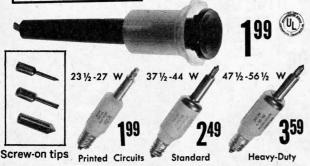


Handy, battery-operated probe is great for quick tests of audio circuits. Features easy pushbutton operation, battery strength indicator lamp. For both tube and transistor circuits. With batteries. 5x1 \( \frac{5}{8} \) (less probe). 22-4032. Ship. wt. 8 oz. 3.89

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## NEW '72 You Choose the Right Soldering Iron For The Job with Archer Interchangeable Handle, Heating Units and Tips



Stock No.	Description	Watts	Price
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#### Buy 'em All For A Better Job Every Time!

Why have a different iron for each project? Our Archer industrial-quality interchangeable solder tools let you change your iron as easily as you'd change a light bulb. Start with our "Cool-Grip" polypropolene handle—its lightweight and comfortable with fatiguefree design. Three different long life heating elements screw into the handle—there's one to suit your needs. And our thread-on copper alloy tips are of the highest quality-with each specially designed for its particular job. So choose whatever size you need-or buy 'em ALL for a complete low-priced solder workshop!

#### ARCHER PENCIL-TYPE SOLDERING IRONS



With DuPont Zytel Handle With Breakproof, Stays Cool-Lightweight, Firm Grip

A 42 Watts, 115 Volts. Easy to handle. Weighs just 3 oz. Nichrome mica insulated element with 1/4" screw-in tip. Tip temperature: 600° to 640° F. Slim design. 64-2071. Ship. wt. 4 oz. 3.49 64-2072. Tip for Above. 79¢

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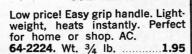
### -ARCHER-PROFESSIONAL **DUAL-HEAT** SOLDERING GUN 100/140 Watts

Easy-grip gun has instant selection of 140 or 100 watts as the job requires. Features built-in spotlight for light on hard-to-get-at areas. Balanced weight and comfortable trigger grip make it easy to hold and handle. High efficiency copper tip spreads solder evenly. Extra tips

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REPLACEMENT SOLDERING TIPS. For all Weller Soldering Guns.

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#### 30-WATT "COOL-GRIP" SOLDERING GUN



#### **30-WATT PENCIL** SOLDERING IRON

• Handle Stays Cool!

Slim design for tight areas. Lightweight, easy to handle. Heats instantly. For small jobs. AC. 64-2225. Ship. wt.  $\frac{1}{2}$  lb. 1.49 64-2226. Extra Tip for Gun or Iron Above. 2/59¢

#### SCIENCE FAIR 9-PIECE ELECTRONIC TOOL KIT



All the tools you need for virtually any electronic kit. 30-watt pencil-iron, solder, solder aid, two pliers, three different screwdrivers (1 cross point, 1 with built-in wire stripper) and heat sink. Most used electronic tools! 

## Torches, Welding Outfit, and Soldering Accessories for Home & Shop WHY PAY MORE? GET THE BEST QUALITY FOR LESS!

## HAND-HELD MICROFLAME TORCH WELDS, BRAZES AND CUTS MOST METALS

- Develops Over 5000° With Three Torch Tips
- Burns for Up to 30 Minutes on One Charge

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A welding shop you hold in your hand! Self-contained miniature torch operates on oxygen and butane cylinders, develops a pin-point flame hot enough for most light duty metal working. Only  $51/4 \times 2 \times 11/4$ ". Includes 3 tips, torch tube, gaskets, 2 oxygen and 1 butane cylinders.

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# DESOLDERING TOOL NEW '72 395 Keeps Your Solder Connections Clean and Neat

#### THREE-PIECE SOLDER EASE KIT

199

Makes Your Jobs Neat, Fast and Easy

Aluminum heat sink provides extra firm grip while protecting transistors and diodes. Also has stainless steel probe, 8" brush and scrapper for clean, positive soldered joints.

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#### POCKET SIZE MINI-TORCH AND SOLDERING KIT

295

Complete Kit Includes Two Butane Charges

- Develops a 3500° Pin-Point Flame
- Flame Can Be Turned On or Off Instantly

Offers big job capacity in a compact size—ideal for delicate and intricate soldering jobs. Each butane charge contains a full half-hour of fuel—cartridge screws into torch handle and turns on and off any time. Braze small metal parts, repair toys and appliances, make and repair jewelry—100's of uses! With two butane charges.









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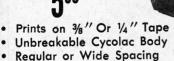
- Radio Engineer Recommended
- 60% Tin, 40% Lead

Perfect for hobbyists and professionals. Conforms to Federal specifications QQ-S-571D. Has low viscosity for easy handling, quick melting for fast work. Non-corrosive and non-conductive. Stock up now—choose the size that meets your particular soldering needs.

Handy Pak. 7-Ft. Roll, 16-gauge. In plastic tube.
64-0001. Ship. wt. 5 oz. 39¢
Bench Pack Spool. 18-Ft. 16-gauge.
64-0002. Ship. wt. 12 oz. 69¢
1-lb. Spool. 16-gauge.
64-0003. Ship. wt. 1½ lbs. 2.79
50-Ft. Spool. 16-Gauge. General-purpose uses.
64-0004. Ship. wt. 1 lb. 1.49
50-Ft. Spool. 18-Gauge. For delicate wiring.
64-0005. Ship. wt. 1 lb. 1.49
50-Ft. Spool. 20-Gauge. For PC boards, etc.
64-0006. Ship. wt. 1 lb. 1.49

## Mark It For Posterity With These Handy Identifiers

NEW '72 DUAL TRACK LABEL MAKER



Contemporary design labelmaker has 42-character wheel including A-Z, 2-9, +,  $\epsilon$ , %, -, /, Makes labels and name tags for just about anything. Prints ½" raised letter on ¼" and ¾" tapes. With vertical embossing wheel, ¾" tape. 64-542. Ship. wt. 1 lb. 5.95

#### "LABEL-IT" HOME LABEL MAKER WITH TWO EMBOSSING WHEELS

- Embosses 3/8" Adhesive Tape
- Automatic Pull-Tab Cutoff
- Hundreds of Home and Shop Uses
- . 39 Character Wheel



Easy to operate. Very rugged Cycolac construction. Horizontal characters: A-Z, 2-9, \$, %,  $\epsilon$ , -, /. Vertical: A-Z, 2-9, \$,  $\epsilon$ , %, +, -. With tape. 

#### Mini "Labelette" POCKET-SIZE LABEL MAKER



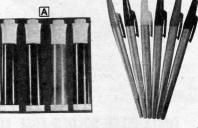
- Easy to Read Letters
- Embosses 3/8" Tape
- With Handy Cutter

Our most portable embosser! Plastic construction — pocket-size for home, shop or office. Easy to operate. With four tapes, easy-action 64-543. 1/4 lb...... 1.29

**ELECTRIC PENCIL-**IT EVEN WRITES ON METAL! 6<sup>95</sup>

For easy identification on metal, hard woods, plastics, almost anything. It's as easy to use as a regular pencil — pick it up and motor turns on — put it down and it shuts off automatically. Adjusts for different strokes and line widths. Identify anything around home or shop with this handy item — it's fast, it's easy! Only  $5\frac{1}{2}$ " long. AC. 64-2172. Ship. wt. 1 lb. 6.95

INSTANT-DRY MARKING PENS IN VIVID COLORS



A 4-Piece Heavy-Duty Marker Set. Waterproof pens mark on anything. In bright colors of red, blue, black and green. For identification, drawing, etc. 64-1998. Ship. wt. 4 oz. ...... 59¢

B Six Water Color Markers. Fine line marking pens for drawing and coloring. Easy to use, come in an assortment of bright, vivid colors. 

#### **BUY LABELING TAPE IN QUANTITY AND SAVE!**



144" ROLLS OF 1/4" TAPE

Assorted Rolls 59° Each

6-11 Rolls, 69∉ Each. 1-5 Rolls, 79∉ Each. 61-2195. Black. 61-2193. Green. 61-219 61-2198. Wood Grain. 61-2194. Blue. 61-2192. Red.

144" ROLLS OF 3/4" TAPE

Lots of 12 Assorted Rolls 79° Each

6-11 Rolls, 89¢ Each. 1-5 Rolls, 99¢ Each. 64-533. Red. 64-534. Blue. 64-536 64-540. Wood Grain. 64-532. Black. POWERFUL MULTI-PURPOSE CERAMIC MAGNETS



## Fix-It-Yourself With The Right Chemicals, The Right Tools

FOR '72

NEW ALL-PURPOSE ACRYLIC PROTECTIVE SPRAY

Prevents arcing, stops corona shorts! Over 20,000 volts dielectric strength. Insulates, waterproofs exposed wires. Prevents rust, pitting, corrosion! Contains 64-2317. Wt. 1 lb. ......1.49



#### HANDY ALL-PURPOSE LUBE OIL

Resists Heat and Moisture

Silicone formula. Stops rust, loosens frozen parts, and protects. Attachment for hard-to-reach areas. Good at home or the shop. Con-tains 6-oz. 64-2318. Wt. 1 lb. ......99¢



#### TV/RADIO SERVICE CEMENT

For Speaker and **General Repair** 

Cement parts to chassis, repair plastic cabinets. Fast-setting, clear-drying, firm bond. Saves cost of expen-sive repair jobs. Contains 64-2309. Wt. 1 lb. ......59¢



#### ARCHER COLOR TV PURIFIER

- Just Plug Into Outlet
- Removes Color Impurities

Saves on Service Calls

595

Now you can restore sharp, clear color tones without expensive service calls. The Archer Color TV Purifier degausses stray magnetic fields eliminating color impurities and fuzziness which sometimes appear on the screen after mov-ing the set or from other interference. Plug in permanently next to Color TV.

15-570. Wt. 1 lb. ......5.95



### TV TUNER CLEANER & LUBRICANT

**139** 

Keep your TV in "new" condition—save on repair bills. Cleans or lubricates expensive moving parts, reduces wear, adds life and brightness to pic-

A Tuner Cleaner Lubricant. For all types of tuners, controls. Leaves no damaging residual or oily deposits. 64-2315. Ship. wt. 1 lb. ..............99¢



#### PLASTIC REPAIR KIT



Mends in min-utes. Fix dam-aged plastic knobs, utensils, toys. Shape like putty, pour into mold. Colored powders. Glues, waterproofs. 64-2427. — 1.95

#### 3-PIECE NON-METALLIC ALIGNMENT STICK KIT

• Tip Can Be Reground No Danger of Shorting Equipment

#### SUPER EPOXY GLUE



990

Quick dries at room temperature. Bond strength of over 3000 pounds per sq. in. Easy to mix and apply. Cements non-porous items. 64-2426. Wt. ½ lb. 99¢

#### EASY-TO-USE TELEVISION ALIGNMENT TOOL KIT



• Fits 90% of IF & RF Transformers

Each tool has 2 working ends. K-Tran screwdriver: 152 Delrin tip, 164 metal tip. Delrin hex wrench—11 —undercut end to reach bottom slugs.

64-2223. Wt. 6 oz. 99¢

#### **ALL-PURPOSE GLUE**



59c • Fast-Drying • Strong

Use for joining plastic, wood, rubber, glass. 2 oz. Instructions for making invisible bond. 64-2311, Wt. 1/4 lb. 59¢

#### COLOR TV ALIGNMENT TOOL KIT

- Non-Metallic and Safe to Use 759
- Five Most Wanted Tools



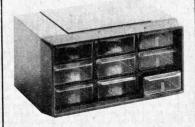
We Service What We Sell . . . Everywhere in the Nation

## Cabinets for Neat-niks—Calculators for Budget-Fussers



#### 24-DRAWER PARTS CABINET

Portable storage organizer has uni-



#### HANDY 9-DRAWER CABINET

Keep your small parts organized and at the ready. High-impact polystyrene box with  $8\frac{3}{4}x2\frac{1}{2}x5\frac{3}{4}$ " drawers. With 

## Flip lip **ว**95

#### MICRONTA HANDS-FREE MAGNIFIER HELPS WITH **DELICATE WORK**

- Magnify Objects 2½ Times
- Special Glare Guard
- Adjustable Headband

Top value for technicians, hobbyists, anyone who does close work. Precision made glasses flip up or down, stay put, leave your hands free for any job. Really ideal for intricate PC work, jewel making, etc. Virtually un-breakable. Get yours now! 63-845. Ship. wt. 1 lb. ......3.95



#### 15-DRAWER CABINET

Steel frame, "See-thru" plastic drawers measure 23/x11/x53/4". Dividers, handle, baked enamel finish. 

#### PORTABLE TOOL TOTER KEEPS YOUR TOOLS READY FOR ANY JOB



- Revolves for Easy Access
- **Organizes** Tools, Ends Clutter

Holds 34 tools, also features handy compartments for nails, wire, tacks, etc. High-impact styrene case, 21x 10½, x20½," overall. 64,2029. Ship. wt. 1½ lbs............2.99

#### **MICRONTA** 8X TELESCOPE AND 30X MICROSCOPE Handy Clip for Shirt Pocket Great for Field

Trips, Hobbyists It's an 8 power telescope with adjustable sliding focus barrel, remove eyepiece, "tilt" move eyepiece, "tilt" and it becomes a microscope that enlarges ob-jects up to 30 times. Has polished metal reflector, plastic cylinder body. 63-844. Wt. 8 oz. 1.99

#### SUPER-STRENGTH SEE-THRU PLASTIC UTILITY BOXES-KEEPS ITEMS SAFE 'N NEAT

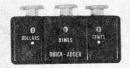
Ideal for sorting out machine and wood screws,

washers, other	Siliali Halawale.	CIII.D. 1111 -	
Cat. No.	Size, In.	Sections	EACH
64-552	8½x4½x1½ 4¾x25%x1	12	.69
64-553 64-554	4 % x2 % x1 10 % x5 % x2	6 5	.29 1.39



MATHMILE COMPUTER
Easy to use, performs 8 func-C multiply, compute inte mileage, cent, averages. 68-1007 ......50¢

#### **PUSHBUTTON** CALCULATOR



#### Helps Prevent Overspending

Adds cents, dimes, dollars—all by easy pushbuttons. Keep track of your money to \$20. Plastic case. 

#### ADD-SUBTRACT CALCULATOR



#### Pushbutton Operation

Easy to use—adds and subtracts in a flash. Aids in budgeting, quick prob-lems, etc. Totals up to lems, etc. Totals \$20. Plastic case. 61-432. 1/4 lb.

#### **4-DIGET PALM-SIZE** RESET COUNTER



Hand tally for score, shopping, any counting use. Counts from 0-9,999. Pol-ished chrome steel. Fast reset button. 63-835. 1/4 lb. ....

#### "MAGIC BRAIN" CALCULATOR



Now Over 1000 Allied Radio Shack Stores Coast to Coast and Alaska

## Get the Job Done "Right" With These Low-Cost Tools



ARCHER 8-PIECE INTERCHANGEABLE SCREWDRIVER AND NUTDRIVER TOOL SETS



## Popular Electronic Hardware In Re-usable See-Thru Packages



	PKG
a. 2-56x \( \frac{1}{4}'',  \frac{1}{2}'' \) a. 4-40x \( \frac{1}{4}'',  \frac{1}{2}'' \) a. 6-32x \( \frac{1}{4}'',  \frac{1}{2}'',  \frac{1}{2}'' \) a. 8-32x \( \frac{1}{4}'',  \frac{1}{2}'',  \frac{3}{4}'' \) a. 10-32x \( \frac{1}{2}'',  \frac{3}{4}'' \)	3/4" .69 3/4" .69 3/4" .69 3/4";
d Machine Screw	vs. 15 ea 6-32x½"
lex Head She	t Metal
Sheet Metal S , #6x1/4", 3/8", 1/2". . wt. 3 oz. Machine Nuts.	crews. 7 1/2", 3/4"
Description	PKG
of #2-56	.69
of #4-40	.69
	.69
a. of #8-32, #10	0-3€ .69
֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜	d Machine Screen 3/4"; 10 ea. of 3/4".  wt. 3 oz.  lex Head Sheet 4x½"; #10x  wt. 3 oz.  Sheet Metal S, #6x¼", 3/8",  1/2".  wt. 3 oz.  Sheet Metal S, #6x¼", 3/8",  1/2".  bescription of #2-56  of #4-40  of #6-32

7. Flat Steel Washer Assortment. 50 ea. of #2, #4, #6, 30 ea. of #8, #10. 64-3022. Ship. wt. 3 oz69¢
8. Internal Tooth Lock Washer Ass't. 30 ea. #2, #8, #10, 40 ea. #4, #6. 64-3023. Ship. wt. 3 oz
9. Hole Plug Assortment. 6 ea. of 1/4", 3/8", 1/2", 2 ea. of 3/4", 1". 64-3024. Ship. wt. 3 oz
10. Vinyl Grommet Assortment. 7 ea. of $\frac{1}{4}$ ", $\frac{4}{6}$ ", $\frac{3}{6}$ ", 5 ea. of $\frac{1}{4}$ ", $\frac{1}{2}$ ". 64-3025. Ship. wt. 2 oz69¢
11. Wire Nut Ass't. 6 ea. 2 #18, 1 #16 & 2 #18, 3 #18, 3 ea. 5 #16, 2 #12 & 1 #18. 64-3026. Ship. wt. 2 oz
<b>12. Metal Cable Clamp Ass't.</b> 14 ea. of ⅓₂", ⅓₂", 6 ea. of ¹⅓", ⅓₀". 64-3027. Ship. wt. 2 oz
13. Butyrate Cable Clamp Assortment. 6 ea. ½", ½", ¼" cable dia. 64-3028. Ship. wt. 2 oz
#6, #8, #10 mounting holes. 64-3029. Ship. wt. 2 oz
19. Non-Insul. Ring Tongue. 6 ea. #16, #8 (22-18 wire size); #6, #8,
64-3030. Ship. wt. 2 oz

		20.	100			20.
ea. o	f #6,	#8 (22	-18);	#6, :	<b>Tongu</b> #8 (16	14).
18), (16-1	2 ea. 4).	#8 (2:	2-18)	; #6	ea. #6 (16-14)	; #8
22. I	nsulat	ed Sp	ade	Tongu	ie. Ass	orted
20. 7	#10 N	on-Ins	ulate	d Sp	ade To	ngue.
22. 3	#10 I	nsulat	ed 5	pade	Tong	ue. 5
23. 1	Non-In	sulated	6.14	tt Co	necto	s. 10
24. 1	nsulat	ed Bu	itt C	onne	ctors.	5 ea.
incul	hate	34.17	1 00	nine	ects. 2 ulated	1/."
272 sorte	8. Fer	nale Q	uick	Disc	onnects	s. As-
64-30	39. S	hip. w	t. 2	oz		
Near	by St	ore				59

## The Place for The Right Tool at The Right Price!



Mend Jobs

#### THERMOGRIP **Electric Glue Gun**

60-Second Bonding Plus Easy Instant-Set Caulking

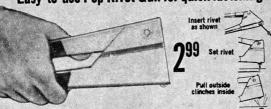
Makes all other forms of gluing obsolete. Uses special hot-melt glue sticks which provide a permanent bond in just 60 seconds. Perfect for pottery, furniture, metal, plastic or fabric. Also uses white sealer sticks for waterproof caulking. With 4 glue, 3 caulk sticks.
64-2860. Glue Gun. 2 lbs. 5.99 64-2864. 14 Glue Sticks 98¢ 64-2865. 14 Sealer Sticks 98¢







#### Easy-to-use Pop Rivet Gun for quick fastening



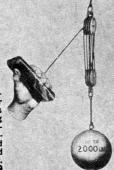
For permanent fastening around house or shop. Rivets won't strip, loosen, fall out. 64-2852. Ship. wt. 1½ lbs. 2.99 64-2853. 25 Short Rivets. To ½". 49¢ 64-2854. 20 Med. Rivets. To ½". 49¢ 64-2855. 15 Long Rivets. To ½". 49¢ 64-2856. 40 Backup Plates. 49¢



#### **ONE-TON Block & Tackle Hoist**

- · Handles Tough Lifting
- 7 to 1 Lifting Ratio • Rustproof Aluminum and Stainless Steel

unusual block and tackle is portable, yet powerful enough for heavy lifting jobs. Weighs less than 1 pound, includes strong 65' nylon rope. Rustproof aluminum and stainless steel construction. Fully assembled and ready to use—great around house or garage, or in the car. 64-164. Ship. wt. 1½ lbs....5.99



## HOBBYIST PRECISION KNIFE SET

10 Interchangeable Blades for Exact Cutting Edges!

Lets you perform delicate cutting operations—correct printed cir-cuit boards, cut, scrape, engrave, etc. Includes left and right hand 



## NEW DIAL TYPE STRIPPER/CUTTER

 Simply Dial the Gauge You Want for Perfect Stripping Spring-loaded stripper and cutter has plastic cushioned grips, flush cutting action. Strips #12 to #24 gauge

wire. 64-1952. Wt. ½ lb......1.99

#### LOW PRICED STRIPPER/CUTTER

- · Spring Loaded
- #12 to #24 Wires



Handy tool for any wiring job! 5" blades, smooth cutting action. Easy-grip handle. 64-2129. Ship. wt. 8 oz. 1.49

#### "NIBBLING TOOL"

- Cuts Up to 18-Gauge Steel Cuts Up to 16-Gauge Aluminum
- Great for just about any metal-working chore. Cuts straight, circular. just about any pattern you need. Easy to use—no dials or controls. Comfortable trigger-type grip. Cuts very smoothly—leaves no jagged

64-822. Ship. wt. 1 lb................4.49





#### MINI TOOL SET

6-in-1 pocket kit for electrical 68-1003 .....1.00

## KEYCHAIN/TOOL SET

Slotted blade, Phillips point Interchangeable 68-1014. .....69¢



Reverses miniature Phillips to miniature straight blade. 64-1949. .... 1.19

Reverses from #1 Phillips standard blade. Locks tight. 64-1950. .....1.69

#2 Phillips to 1/4" standard blade. Comfort grip. 64-1951. ......1.99

Retail prices shown in this catalog may vary at individual stores

## Archer Handy "Helpers" For Faster, Easier, Better Jobs!



**PRECISION** SCREWDRIVER SET

**PRECISION** CROSSPOINT & HEX KEY SET





Chrome plated brass handles and swivel top allow onehand operation. Hardened and tempered steel blades.

A Six screwdrivers, sizes #1-6, in fitted plastic case. Hardened and tempered rustproof blades in widths 0.8-3.8mm. 64-1948. Wt. 4 oz. ......1.99

 Has two cross point screwdrivers, three hex key wrenches in fitted plastic case. 

#### MINIATURE PLIERS FOR CLOSE WORK

Cushioned Grip

Drop Forged

**Fully Polished** 

Nippers. Rugged, quality made. For hard, close work. 64-1840 ..... 2.19

4½" Flat Nose. Precision general purpose tool. For many jobs. 64-1842 ..... 2.19

4½" Diagonal. Ideal for wire work in hi-fi and hobby 64-1841 ..... 2.19

4½" Long Nose. Great for delicate electronics jobs. 64-1843 ...... 2.19

## MOUNTED STONE SET

Stones for grinding, polishing, burnishing. Includes ing, burnishing. Includes tree, 2 cones, ball, cylin-64-1837. Wt. 4 oz. ......99¢

WARDING FILE SET



RATCHET

Four most popular file sizes. First quality, rapid cutting. In storage pouch. 64-1838. Wt. 1 lb. ......79¢

**POCKET KNIFE** 



Has safety lock, wire scrap-per and screwdriver. Sharp cutting blade. Non-slip. 64-2136. Wt. 4 oz. .....1.69

8" CRIMPING TOOL



Assorted crimping terminals. Cuts and strips wires, has hundreds of uses. 64-405 Wt. 1lb. 1.29



7-IN-I HOLE SAW

With 7 circular blades from 1" to 21/2" dia. holes, 1/4" shank, slug ejector. 64-1974 Wt. 8 oz. .......89¢



Practical tool has 3 blades for slotted or recessed head screws. Many uses. 64-1862. Wt. 2 lbs. .....1.95

PATTERN MAKER CONTOUR GAUGE

long gauge ideal for fitting tile, linoleum, molding, 64-1861. Wt. 8 oz. .... 1.29

100 SOLDERLESS LUGS

20 each of five sizes. Rings, spade, hook, tongue types. 64-406. Wt. 4 oz. ..... 88¢

**6-PIECE NUTDRIVER SET** 



From %6" to %6". Unbreakable handles. 64-1821. Wt. 8 oz. ..... 2.49 HANDY SCREWDRIVER

Steel Blades **Amber Handles** 

Most needed sizes. Great for home or shop. 64-1820. Wt. 1 lb. ..... 99¢ **10-PIECE SOCKET SET** 



With 1/4" drive reversible ratchet, 8 sockets from 3/16" to 7/16".
64-1975. Wt. 1 lb. ......89¢

CONTACT BURNISHING TOOL

Excellent for cleaning contacts in relays and switches. "File finish" removes oxide, corrosion. 64-2425. Wt. 8 oz. ..... 39¢

13-PIECE DRILL SET

Well-designed drill bits in sizes from 1/16'' to  $\frac{1}{4}''$ . For all but the largest drilling jobs. Handy two-tier metal case. 64-1971. Wt. 8 oz. .....79¢ WIRE BENDING JIG



Use for dozens of useful, decorative jobs. Bends eyes, spirals, curves, etc. 64-1960. Wt. 4 oz. .....1.00

**ELECTRONIC** HARDWARE ASSORTMENT

Full pound. No sweepings. Fits many needs. \$4 value! 64-2890. Wt. 1 lb. .... 99¢



**NUT DRIVER SET** WITH HANDLE

6 Hex sockets from 3/16" to 7/16". Plastic of handle. Many uses. 64-1977. Wt. 8 oz. 99¢

Credit Plans to Fit Every Budget . .

**Details at Your Nearby Store** 

## Archer Electrical Accessories-Wire Your House for Convenience!

#### SIX-OUTLET FUSED POWER CENTER



Extends Electric Power in Lab, Workshop, House, Garage

Get a number of these ultra-convenient AC outlet centers for electric power where and when you need it. Has built-in fuse holder for up to 15 amp fuses, power on/off switch and pilot light to signal power on. Can be used for AC or DC power. Safe grounding wire protection — completely safe to use. With mounting screws for easy installation just about anythere! anyhwere! 

#### MULTIPLE OUTLET CENTERS





A PLUG-IN TYPE. Plugs into any AC wall outlet—lets you operate up to six appliances from it. Long-lasting plastic case with ivory 

B EXTENSION CORD TYPE. Extends your wall outlet to a remote location and lets you operate up to 6 appliances from it. Ivory plastic case, cord and plug. 61-2631. Ship. wt. 1/2 lb.

#### EXTENSION CORD SETS



Hundreds of Uses

ADAPTERS.

UL

For home, school, office, shop. Extend AC outlets to wherever you need them. Terminate in cube tap. Ship. wt. 4 oz.

61-2751. 6-ft. Cord, Brown	59¢
61-2752. 9-ft. Cord, Brown	69¢
61-2753. 9-ft. Cord, White	75¢
61-2754. 15-ft. Cord, Brown	
61-2759. 25-ft. Heavy-Duty Inc Cord Set. 18/2. Rated 7 a	loor/Outdoor imps1.99

#### **ELECTRICAL PLUGS IN HANDY PACKS**

A STATE OF THE STA	A TRIPLE CUBE TAPS. Ship. wt. 1/4 lb. 61-2701
	B RUBBER MALE PLUGS. Ship. wt. 1/4 lb. 61-2708
	© PUSH-PULL MALE PLUGS. Assemble easily and quickly. Ship. wt. 1/4 lb. 61-2709

D PARALLEL GROUND

61-2720

Two wire "U" ground. Ship. wt. 1/4 lb.

#### **ELECTRIC LIGHT DIMMER—JUST** DIAL THE "BRIGHTNESS" FOR ANY MOOD

- · Push-On, Push-Off Switch
- Continuously Variable

• Fits Wall Receptacle



Simple Screwdriver Installation

Connect leads to wall box wires. Mount securely, attach faceplate.



UL

THREE-WAY LIGHT DIMMER

For Rooms Where Light is Controlled By More Than One On-Off Switch

Get the brightness you want from any lights—even if they're controlled by more than one switch. Three-wire installation at any wall box lets you maintain control at either on-off switch. Dials brightness from soft glow to full light. Rated 600 watts, 117 VAC. Installs with just a screwdriver.
61-2700. Ship. wt. 1 lb. 8.99

Easy to Install



**ELECTRIC IMMERSION HEATER** 

Heats water in seconds. Just plug in, immerse coil in water. 64-1824. Ship. wt. 1/4 lb. .......69¢

HANDY 5-PACK PVC ELECTRICAL TAPE

Green

Yellow

Ideal for

Color Coding

3/4" wide x 144" long rolls of strong PVC tape. 64-2340. Ship. wt. 1/4 lb.

Navy

...... 89¢

## INDUSTRIAL QUALITY VINYL ELECTRICAL TAPE

Amazing low prices for this quality tape! Heavy-duty insulating tape made by one of America's largest makers. 10,000 volt dielectric strength. .007" thickness. Good for temperatures up to 80° C.

Made in (UL) U. S. A.

Black

Cat.			EACH	
No.	Size	1-2	3-11	12-Up
64-2348 64-2349 64-2350	1/2"x121/2' 3/4"x20' 3/4"x66'	.29 .59 1.09	.25 .54 .99	.22 .49 .89



**QUALITY 3/4" FRICTION TAPE** 

64-1956. 60-ft. Roll. Ship. wt. 1/2 lb. 59¢



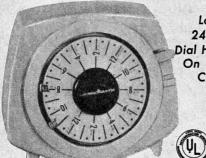
"SURE GRIP" MASKING TAPE

Standard-Size. Non-marking. 3/4" wide x 60 

Jumbo Size. 2" wide x 60 yards.

D

## **Automatic Timers** — They Remember When You Forget!



Large 24-Hour Dial Has Single On and Off Control

95

#### **ALL-PURPOSE 24-HOUR APPLIANCE TIMER**

- Turns Any Appliance On At Times YOU Select —Turns It Off 15 Minutes to 23 Hours Later
- Repeats Cycle in 24 Hours Without Resetting

It's great for air conditioners, washers, brewing coffee, hundreds of tasks around every home, shop or office. Use it to light up store windows, turn your house lights on and off to discourage prowlers when you're away, etc. Easy to use—simply plug device to be controlled in to timer, then plug timer into any AC outlet! Has single on-off control, easy to read 24-hour dial. Handles 1875 watts, 120 VAC. With 5-ft. cord. 





#### **BUILD-IN 24-HOUR TIMER**

Installs Easily in Wall Switch or AC Outlet Box



#### PLUG-IN 24-HOUR TIMER

Wall Timer With Automatic & Manual Control

Plugs into any wall receptacle for automatic or manual timing of lamps and appliances. Com-pact size leaves one outlet exposed for regular use. Range, 1 to 23 hours. Handles 3 amps, 375 watts, 125 V. 63-862. Ship. wt. 2 lbs. ....5.95

#### FOUR-HOUR TIMED EXTENSION CORD





Automatic Off Control, Manual Set

#### "CLOCK WATCHER" PORTABLE BELL TIMER



Times Up to 60 Minutes, Bell Alarm

For use in cooking and baking, 100's of other timing chores at home or office. Bell rings after interval selected. Tip-proof base, inclined timing dial marked clearly from 0-60 minutes. Spring-powered. 63-620. Wt. 2 lbs. ......3.99

#### STOP-WATCHES FOR SPORTS & TIMING — SWISS-MADE. PRECISION JEWELLED MOVEMENTS



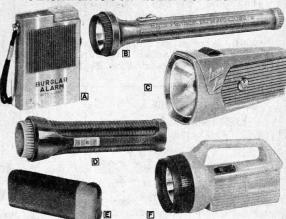
1/10 Second

**Your Choice** 



Sports Model Time Out Sports Model. Measures to 1/10 second. Outer dial registers to 30 seconds, small hand, 15 min. Has start, stop, continue controls. Side-button zero return. 1 jewel. 63-635. Ship. wt. 1 lb.

#### FLASHLIGHTS FOR EVERY PURPOSE



7	68-1013.	Pocket Flashlight/Alarm 1.99 5-Cell Type with 1500-Ft. Beam 98¢	
ถึ	68-1001.	5-Cell Type with 1500-Ft. Beam 98¢	
5	61-2638.	Compact Disposable Light	
5	61-2637.	Compact Disposable Light 1.19 Heavy-Duty. Uses 2 "D" Cells 79¢	
	68-1004.	Pocket Flashlight. Plastic Switch	
1	61-2634.	Lantern. Powerful 6-volt beam	

## Telephones & Accessories - Priced Within Everyone's Reach

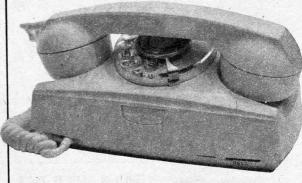


Standard Dial Desk Telephone

1195

Saves Time, Steps, Money!

Most popular style for intercom and extension use. Easy to install, they pay off their low cost in convenience. Factory reconditioned, fully guaranteed. Rugged bakelite body and handset, metal base, dial, bell, coil, connecting cable. Styles may vary from photo. (Note: Use of telephone equipment not installed by a phone company may be subject to local tariff.)



## "Add a Touch of Elegance— Cinderella" - type Dial Phone

Smart, Lightweight Will Fit Anywhere in the Home 3495

Telephone
Amplifier
1595
For "Hands-Free"
Conversations

Realistic 2-Way

Telephone Amplifier for the Hard-of-Hearing 795

"Snaps-On" to Any Standard Phone In Seconds . . . Eliminates Noisy Distractions

Powerful 4-transistor amplifier boosts voice up to 5 times its normal sound. Fingertip volume control. With battery, snap-band. Size, 25/8" around x1". 277-007. Ship. Wt. 1 lb. 7.95

#### 100' 3-Conductor Telephone Wire



Color-coded wire — perfect for multiple telephone hookups. 100 ft. Wt. 2 lbs. 278-370 .........3.69

#### 6' and 15' Coiled Telephone Cords



As 3 conductor, stretches to 6 ft. 4 conductor extends 15 ft. 278-361. 6 1.49 278-1389. 15 6.95

159

## 30-Foot Telephone Extension Cord



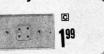
Move your phone from room to room. Flexible 4-conductor cord gives convenient mobility to telephones. Use two or more for extra length, with standard telephone plug and jack.

279-1261. Wt. 11/4 lbs......2.98

### Convenient Accessories for Every Phone



■ Telephone Plug. Gives phone mobility. 279-366. Wt. 1/4 lb. 1.25 ■ Telephone Jack. Matches plug above. Instal several to use phone anywhere you want. 279-367. Wt. 1 lb. 1.40



## NOW OVER 1000 STORES

SHOP IN PERSON IN 49 STATES! CREDIT? YOU BET!

#### ALABAMA

ALABAMA
BESSEMER West Lake Mall Shop. Ctr.
BIRMINGHAM 1020 South 20th St.
Park South Shop. Ctr.
5 Points W. Shopping City
1409 Hwy. 31 (in Vestavia)
East Gate Shop. Ctr. (Center Point)
Green Springs (Between Oxmoor &
Valley Ave.)\*
Village East Shopping Center
Roebuck Shopping City\*
CENTER POINT 1615 Center Point Rd.
CHICKASAW Village Square Shop. Ctr.
HUNTSVILE Dunnavant's Mall
MOBILE 3734 Airport Blvd.
Clowerleaf Plaza
MONTGOMERY 2833 E. South Blvd.
TUSCALOOSA McFarland Mall

ALASKA

ANCHORAGE 529 "C" Street FAIRBANKS\*
(Alaska Prices Slightly Higher.)

#### ARIZONA

ARIZON A

MESA 1450 E. Main St.

NOGALES 324 Grand Ave.

PHOENIX 4419 E. Thomas Rd.
1529 W. Bethany Home Rd.
8042 No. 35th Ave.
8907 N. 7th St.
4109 N. 51st Ave.
SCOTTSDALE 426 N. Old Scottsdale Rd.
TEMPE 1118 N. Scottsdale Rd.
TUCSON 2635 E. Broadway
6248 E. Speedway Blvd.
6 West Grant Rd.

#### ARKANSAS

FAYETTEVILLE 1702 N. College Ave. "
FORT SMITH 2101 Rogers Ave.
JONESBORD 2611 E. Nettleton Ave.
LITTLE ROCK University Plaza Shop. Ctr.
Wingarten's Shop. Ctr.
PINE BLUFF 809 W. 6th Ave.

#### CALIFORNIA

PINE BLUFF 809 W. 6th Ave.

CALIFORNIA

ALBANY 421 San Pablo Ave.

AMANEM 507 E. Katelia Ave.

BAKERSFIELD 2734 Ming Ave.

BERRELEY 2500 Shattuck

BUENA PARK 8533 Stanton Ave.

BURBANK 100 So. Golden Mail

BURLINGAME 1423 Burlingame Ave.

CARMICHAEL 4120 Manzanita

CARSON 23229 Avalon Blvd.

CHICO 170 Mangrove Ave., Dntn. Plaza

CHICO 170 Mangrove Ave., Dntn. Plaza

CHICO 170 Mangrove Ave., Dntn. Plaza

CHICO 187 Minor Pass Rd.

COROMA 605 E. 6th St.

COSTA MESA 1803A Newport Blvd.

COVINA 1065 W. Badillo St.

COSTA MESA 1803A Newport Blvd.

COVINA 1065 W. Badillo St.

COVINA 1065 W. Badillo St.

COSTA MESA 1803A Newport Blvd.

COVINA 1065 W. Badillo St.

COVINA 1065 W. Badillo St.

COSTA MESA 1803A Newport Blvd.

COVINA 1065 W. Badillo St.

FARFIELD 822 Iexas St.

FONTANA 9934 S. Sierra Ave.

FREMONT Fremont Plaza

FRESNO 4838 N. Blackstone

4860-1 Kings Cayon Rd.

FRESNO 4838 N. Blackstone

4860-1 Kings Cayon Rd.

FREMONT Fremont Plaza

FRESNO 4838 N. Blackstone

4860-1 Kings Cayon Rd.

FREMONT Fremont Plaza

FRESNO 4838 N. Blackstone

4860-1 Kings Cayon Rd.

FRULLERTON 345 N. State College Blvd.

GARDEN GROVE 9836 Garden Grove Blvd.

12821 Knott Street

GLEMDALE 1140 E. Broadway

GLEMDORA 390 S. Grand

HAYWARD 24568 Hesperian Blvd.

HOLLYWOOD 754 N. Fairfax

HUNTINGTON BEACH 8941 Adams Ave.

6991 Warner Ave.

6991 Warner Ave.

HUNTINGTON PARK 6347 Pacific Blvd.

INDIO 1ndio Plaza Shop.

Ctr.

22 132 Highway 111

INGLEWOOD Crenshaw & Imperial

LA HABRA 5510 (Rossmont Ctr. Dr.

LA MIRADA 15022 La Mirada Blvd.

LANCASTER 114 East Ave. J.

LAWMONE 15126 Hawthorne Blvd.

LIVERMORE 1756 1st St.

LONG BEACH 222 Long Beach Blvd.

4686 Long Beach Blvd.

4687 Schiller Ave.

3210 W. Slauson

Mission Hills, 10125 N. Sepulveda Blvd. DS ANGELES 830 W. Olympic Blvd.
5305 Centinela Ave.
3210 W. Slauson
Mission Hills, 10125 N. Sepulyeda Blvd.
712 S. Hill
Reseda, 19347 Victory Blvd.
2301 Westwood Blvd. MERCED 451 W. 18th Street
MODESTO 221 McHenry Ave.
MONROVIA 340 W. Huntington Dr.
MONTEBELLO 822 West Beverly Blvd.
MONTEREY 1050 Del Monte Center
MONTEREY 1050 Del Monte Center
MONTEREY 1050 Del Monte Center
MONTEREY PARK 759 W. Garvey
MOUNTAIN VIEW San Antonio Shop. Ctr.
2550 El Camino Real
NAPA 3016 Jefferson St.
NATIONAL CITY 905 Plaza Blvd.
N. HIGHLANDS 5628 Watt Ave.
N. HOLLYWOOD 6100 Laurel Canyon Blvd.
OAKLAND 108th & MacArthur
2401 Telegraph Ave.
OCEANSIDE 101 So. Glassell St.
OXNARD 2608 S. Saviers Rd.
PACIFIC BEACH 1603 Garnet
PALO ALTO 248 Hamilton Ave.
PACIFIC BEACH 1603 Garnet
PALO ALTO 248 Hamilton Ave.
PASADENA 1715 E. Colorado Blvd.
PETALUMA 3135 E. Holt Ave.
3250 N. Garey Ave.
RIVERSIDE 4024 Madison St.
ROSEMEAD Montgomery Ward Shop. Ctr.
ROSEWILLE 206 Harding Ave.
ROWLAND HEIGHTS 19035 Colima Rd.
SACRAMENTO 4518 Florin Rd.
10473 Folsom Blvd. (Rancho Cordova)
600 Fulton Ave.
1108 8th St.
SALINAS 1049 Main St.
SAN BEANARDINO 267 E. Highland Ave.
154 South E St.
SAN BEANARDINO 267 E. Highland Ave.
154 South E St.
SAN BEANARDINO 267 E. Highland Ave.
154 South E St.
SAN BEANARDINO 267 E. Highland Ave.
155 College Grove Ctr.
3453 University Ave.
SAN FRANCISCO 36 Geary Street
3820 Geary Blvd.
1906 Irving St.
4626 Mission St.
1620 Mission Valley Ctr. W.
165 College Grove Ctr.
3453 University Ave.
SAN FRANCISCO 209 Madonna Rd.
SAN FRANCISCO 36 Geary Street
3820 Geary Blvd.
1906 Irving St.
4626 Mission St.
1620 Saratoga Ave.
King & Story Rd. Tropicana Ctr.
1120 Branham Lane
SAN LEANDRO 200 Bayfair Terrace
SAN LEANDRO 200 Bayfair Te

#### COLORADO

COLORADO

9935 E. Colfax

BOULDER Table Mesa Shop. Ctr.

200 SPRINGS 1379 No. Academy Blvd.

119 E. Pikes Peak.

DENNER 5890 W. 44th Ave.

270 So. Federal

838 15th St.

2186 S. Colorado Blvd.

DURANGO 1015 N. Main Ave.

ENGLEWOOD New Englewood Shop. Ctr.

FT. COLLINS 2105 S. College

Bank Ctr. Square

GRAND JUNCTION 309 Main Street

LAKEWOOD 10405 W. Colfax

LONGMONT 1755 N. Main

Garden Acres Shop. Ctr.

PUEBLO 1101 So. Prairie

THORNTON No. Valley Shop. Ctr.

#### CONNECTICUT

ANSONIA Downtown Ansonia Mall BRIDGEPORT Lafayette Plaza BROOKFIELD Caldor Shop. Ctr. ENFIELD Suburban-Enfield Mall, Hazard Ave. HAMDEN Hamden Mart Shop. Ctr. HARTFORD 198 Pearl St.
MANCHESTER Manchester Shop. Parkade
MIDDLETOWN Middletown Shop. Plaza
MILFORD Post Road
NEW BRITAIN Newbrite Plaza
NEW HAVEN 230 Crown St.
NEW LONDON New London Shop. Ctr.
NORWICH 255 Main St.
OLD SAYBROOK 717 Boston Post Rd.
ORANGE Whiteacre Shop. Ctr.
SOUTHINGTON Queen Plaza
STAMFORD 29 High Ridge Rd.
TORRINGTON Torrington Parkade
VERNON Tri-City Shop. Plaza, Vernon Circle
WALLINGFORD Rt. 5, Colony Plaza
WEST HARTFORD 39 S. Main St.
WEST HARTFORD 39 S. Main St.
WEST HARTFORD 39 S. Main St.
WESTHERSFIELD Bradled's Shop. Ctr.
WILLIMANTIC Willimantic Plaza
WILTON Gateway Shop. Ctr., Route 7
TORT.A. W. A. R.F.

#### DELAWARE

CLAYMONT Northtown Plaza Shop. Ctr. DOVER Blue Hen Mall K-Mart Shop. Plaza WILMINGTON Kirkwood Plaza

DIST. OF COLUMBIA WASHINGTON 925 F St. N.W. 3418 Connecticut Ave.

#### FLORIDA

FILORIDA

BOCA RATON 1918 N.E. 5th Ave.
CLEARWATER Searstown Shop. Ctr.
COCOA BEACH 110 Canaveral Plaza
FI. LAUDERDALE 2724 E. Commercial Blvd.
971 State Rd. 84
FORT MYERS 54 Edison Mall Shop. Ctr.
4125 Cleveland
FI WALTON BEACH 70 Beal Pkwy. N.W.
GAINESVILLE Sunshine Shop. Ctr.
HIALEAN 1150 W. 49th St.
HOLIDAY 6748 U.S. Hwy. 19, Holiday Mall
HOLLYWOOD 2729-31 Hollywood Blvd.
JACKSONVILLE Regency Sq. Shop. Ctr.
1610 University Blvd. W.
5342 Norwood Ave.
Normandy Mall Shop. Ctr.
LAKELAND Wabash Shop. Ctr.
1078 E. Memorial Blvd.
Lake Parker Mall
MELBOURRE 404-06 S. Babcock
MIAMI 8020 N.E. 5th Ave.
1339 Biscayne Blvd.
Midway Mall Shop. Ctr.
13981 South Dixie Hwy.
234 N.W. 199th St.
N. MIAMI BEACH 1746 N.E. 163rd St.
N. PALM BEACH (Lake Park) Twin City Mall
OAKLAND PK. 3454 N. Andrews Ave.
OCALA 1805 E. Silver Springs Blvd.
ORLANDO K.Mart Shopping Ctr.,
2139 W. Colonial Dr.
2139 W. Colonial Dr.
ORMOND BEACH 197 E. Granada Ave.
PENSACOLA 1412 W. Fairfield Dr.

314 E. Michigan
2979 E. Colonial Dr.
ORMOND BEACH 197 E. Granada Ave.
PENSACOLA 1412 W. Fairfield Dr.
POMPANO BEACH Pompano Playworld
Shop. Ctr.
SARASOTA Bee Ridge Rd. & Tuttle Ave.
ST. PETERSBURG 7901 Gateway Mail
Central Plaza Shop. Ctr.
2178 Tyrone Blvd.
11221 78th Ave. No.
4316 6th St. S.
TALLAMASSEE 708 Tallahassee Mail
TAMARAC Hwy 441 & Commercial Blvd.
TAMPA 4555 W. John F. Kennedy Blvd.
Northgate Shop. Ctr.
3806 Britton Plaza
2313 E. Hillsborough Ave.
Grant Plaza Shop. Ctr.
TITUSVILLE #16 Miracle City Mail
W. HOLLYWOOD Zayre-Taft Shop. Ctr.
U. PALM BEACH Palm Beach Mail
3840 Forest Hill Blvd.
WINTER HAVEN 220 W. Central Ave.
WINTER HAVEN 220 W. Central Ave.
WINTER PARK Winter Park Mail

#### GEORGIA

ATLANTA Atlanta Mail Order Ctr. at 917 Peachtree St. N.E. 3085 Peachtree St. N.E. 66 Peachtree St. N.E. Greenbriar Shop. Ctr. 199 Stewart Ave. S.W. Budord-Clairmont Shop. Ctr. AUGUSTA 1643 Gordon Hwy. CARTERSYILLE 240 No. Disie St. COLUMBUS 2015 Auburn Ave. CRYSTAL LAKE\*
DECATUR 3378 Memorial Dr. No. DeKalb Shop. Ctr.

## STORES FROM COAST-TO-COAST AND ALASKA TOO!

DORAVILLE 5760 Buford Highway MACON 2007 Riverside Dr. SAVANNAH 2108 B Victory Drive SMYRNA Cobb County Center

#### IDAHO

BOISE 275 N. Orchard Ave.

#### ILLINOIS

BELLEVILLE Bellevue Plaza Shop. Ctr. BUFFALO GROVE Arlington Hts. & BELLEVILLE Bellevue Plaza Shop. Ctr.
BUFFALO GROVE Arlington Hts. &
Dundee Rds.
BURBANK Summit Mall 8030 S. Cicero
CENTRALIA 320 W. Broadway
CALUMET CITY 100 River Oaks Shop. Ctr.
159th & Torrence
CHAMPAIGN 1401 N. Prospect Ave.
CHICAGO Evergreen Plaza, 95th & Western
2358 E. 71st Street
8612 S. Cottage Grove
6246 S. Halsted
100 N. Western Ave.
2330 E. 71st St.
921 N. Rush St.
4359 Archer Avenue
2314 W. 95th St.
8944 S. Harper
2440 W. Devon
329 W. Madison
9137 S. Commercial
DANVILLE 628 N. Gilbert\*
E. Main Street
BECATUR 103 N. Main St.
DEKALB Northland Plaza Shop. Ctr.
E. ST. LOUIS 8203 Collinsville Rd.
ELGIN 528 Dundee Ave.
EVANSTON 805 Davis St.
FREEPORT Crestwood Community Ctr.
GENODE Hubbard Woods Fashion Ctr.
65 Linden
GLENDALE HEIGHTS 542 North Ave.

GLENCUE HUDBARD WOODS PASHION CTR., 65 Linden GLENDALE HEIGHTS 542 North Ave. GRANITE CITY American Village Shop. Ctr. HANOVER PARK Trade Winds Shop. Ctr. Irving Pk. & Barrington Rds. HARVEY Dixie Square Shop. Ctr. HIGHLAND PARK 174-6 Skokie Valley Rd. HILLSIDE HIIISIDE Shop. Ctr. HUBBARD WOODS: Hubbard Woods Fashion Ctr. 55 Linden?

Fashion Ctr.

65 Linden\*

JOLIET 108 N. Chicago St.
KANKAKEE 45 Meadowview Shop. Ctr.
LOMBARD 230 S. Main St.
Yorktown Shop. Ctr.
MT. PROSPECT 229 Rand Rd.
NILES 9515 N. Milwaukee Ave.
NORRIDGE 4100 N. Harlem Ave.
OAK PARK 7055 W. North Ave.
PARK FOREST 110 S. Orchard Dr.
PEKIN 15 S. Capitol
QUINCY 3247 Legion Blvd.
ROCKFORD North Towne Shop. Ctr.
3600 N. Main
SKOKIE 9450 Skokie Blvd.
WAUKEGAN Belvedere Mail
1524 N. Lewis Ave.
ZION Grant City Shop. Ctr.

#### INDIANA

INDIANA

ANDERSON Southdale Plaza Shop. Ctr.
Columbus & E. 53rd
FT. WAYNE Southgate Shop. Ctr.
279 K.Mart Plaza North
Maplewood Plaza, Stellhorn & Maplecrest
GARY 5382 Broadway
620 Broadway
621 FT. Sath St.
Ayr-Way Washington Shop. Ctr.
5417 E. 38th St.
Ayr-Way South Shop. Ctr. (Rte. 31)
6150 N. Keystone Ave.
Speedway Shop. Ctr., 5910 Crawford Ville
7273 N. Keystone
F2 Eastgate Shop.
KOKOMO Colonial Plaza
LAFAVETTE\*
LEBANON 128 So. Lebanon St.
LOGANSPORT Logansport Mail
RICHMOND 735 Richmond Sq. Shop. Ctr.
SMELBYVILLE Belaire Shopping Center
SOUTH BEND 4035 S. Michigan
TERRE HAUTE K.Mart Center, Wabash Ave.
Honey Creek Square
VINCENNES 421 Main St.
Wabash Village Shop. Ctr.
WARSAW 108 E. Center St.

#### IOWA

CEDAR FALLS Hwy. 218 & Melrose Dr.
CEDAR RAPIDS 4411 1st Ave. S.E.
CLINTON 2nd Street & Fifth Ave.
CORALVILLE\*
COUNCIL BUJFS 2315 W. Broadway
DAVENPORT 3458 Brady Street
DES MOINES Arian's Shop. Ctr.
814 Locust Street Oliver Plaza, Highway #6°

DUBUQUE Kennedy Mall FORT DODGE\* OTTUMWA 103 E. Main Street SIOUX CITY Transit Ave. Ctr.

#### KANSAS

KANSAS CITY Tower Plaza Shop. Ctr. Wyandotte Plaza Shop. Ctr. OVERLAND PARK 3645 W. 95th St.

OVERLAND PARK 3645 W. 95t (Leawood) 9315 Santa Fe Dr. TOPEKA 2859 Kansas Ave. WICHITA Parkland Shop. Ctr. 206 E. Kellogg 2526 W. 13th St. 1052 Parklane

#### KENTUCKY

KENTUCKY
BOWLING GREEN Bowling Green Mall
ERLANGER 3066 Dixie Hwy.
JEFFERSONTOWN J-Town Shop. Ctr., 9531
Taylorsville Rd.
LEXINGTON Northland Shop. Ctr.
Shoppers Village, Versailles Rd. &
Village Dr.
LOUISVILLE 6808 Dixie Hwy.
2902 Taylorsville Rd.
4149 Shelbyville Rd.
415 Eastern Pkwy.
MIDDLETOWN Village Square Shop. Ctr.,
U.S. 60
MURRAY Highway #641
NEWPORT Newport Plaza Shop. Ctr.
OWENSBORO 1741 Scherm Rd.
PADUCAH 830 Cardinal Point Shop. Ctr.

#### LOUISIANA

LOUISIANA
ALEXANDRIA 1213 Texas Ave.
ARABI 1435 Commercial Dr.
BATON ROUGE 3134 Government St.
Colonial Shop, Ctr., Airline Hwy.
GRETNA Oakwood Shop, Ctr.
LAFAYETTE Northgate Mail
LAKE CHARLES 4113 Common Street
METAIRIE 5257 Veterans Hwy.
MONROE 2217 Louisville Ave.
NEW ORLEANS 3112 Paris Ave.
2700 Jefferson Hwy.
6045 Magazine St.
SHREVEPORT 1297 Shreve City
2714 W. 70th St.
3719 Jewella
SLIDELL 123 Broad Street

MAINTE.

#### MAINE

AUGUSTA Augusta Plaza Shop. Ctr.
BANGOR Airport Mall, Union St.
CARIBOU 2 Sweden St.
FALMOUTH Falmouth Shop. Ctr.
PORTLAND Pine Tree Shop. Ctr.
WATERVILLE Upper Main St.

MARYLAND

MARYIAND
ANNAPOLIS Forest Plaza Shop. Ctr.
(Across from Parole Ctr.)
BALTIMORE 6416 Reistertown Rd.
Patapsco Plaza, 1420 W. Patapsco Av.
Perring Pky. Shop. Ctr.
23008-10 Eastern Ave.
BOWIE Pointer Ridge Plaza
CAPITOL HTS. Hampton Mall Central
Ave. & Bellway 495
CATONSVILLE 1 Mile West Shop. Ctr.
GLEN BURNIE Glen Burnie Mall
LANGLEY PK, Hampshire Langley Ctr.
LANHAM 77th Ave. & Rt. 450
LAUREL Laurel Shop Ctr.
MARLOW MGTS. 4522 St. Barnadas Rd.
ROCKVILLE 1600 Rockville Pike
SALISBURY Salisbury Mall
TOWSON 503 York Rd.
WHEATON 1147 Voirs Mill Rd.

MASS A CHILISTYTS

#### MASSACHUSETTS

MASSACHUSITTS

AMHERST 318 College St.

ATTLESORO B-2 Washington Plaza

AUBURN The Auburn Mail

BEVERLY Beverly Plaza

BOSTON 730 Commonwealth Ave.
594 Washington St.
659 Boylston St.
91 Summer St.
91 Summer St.
91 Summer St.
91 Summer St.
BRAINTREE South Shore Plaza

BROCKTON Westgate Mail

Brockton East Plaza

BRILINGTON Burlington Mail

CAMBRIDGE Fresh Pond Shop. Ctr.
CANTON Tri-Town Mail

CAMBRIDGE Fresh Pond Shop. Ctr.
CANTON Tri-Town Mail

CHELMSFORD Drum Hill Shop. Ct.
DANVERS Danvers Plaza, Rt. 1

DEDHAM Dedham Mail

DORCHESTER Bayside Shop. Mail

FALMOUTH 809 E. Main St.

FITCHBURG John Fitch Plaza

FRAMINGHAM Shoppers' World

GLOUCESTER 122 Main St.

HANOVER Hanover Mail\*

HAYERHILL 255 Lincoln St., Haverhill

Shop. Plaza

HOLYOKE Holvoke Plaza, Rt. 5\* Shop. Plaza HOLYOKE Holyoke Plaza, Rt. 5\*

HYANNIS 523 Main St.
LAWRENCE 390 Essex St.
LEOMINSTER Searstown Shop. Ctr.
LOWELL Church St. Plaza
LYNN 50 State St.
MALDEN 51 Pleasant St.
MEDFORD Felisway Plaza Shop. Ctr.
MILFORD Milford Plaza
ANTICK Rt. 9 at Oak St.
NEW BEDFORD 1020 Kings Highway
NEWTON CORNER 265 Washington St.
NO. DARMOUTH 88A State Rd.
PITSFIELD Bradlee's Plaza
QUINCY President Shop. Plaza
SAUGUS N.E. Shop. Ctr.
1268 Broadway, Rt. 1
SPRINGFIELD Springfield Plaza
22A Eastfield Mall
Century Shop. Ctr. (W. Spfld.)
445 N Main St. (E. Longmeadow)
TAUNTON Plaza 44
WALTHAM 922 Main St.
WESTFIELD Westgate Shopping Plaza
WORCESTER Lincoln Plaza
20 Front St.

#### MICHIGAN

MICHIGAN

BATLE CREEK 116 E. Columbia Ave.
BAY CITY 311 Center St.
DEARBORN 2075 Michigan Ave.
15454 Michigan Ave
19150 Livernois Ave.
Lincoln Ctr. (Oak Park)
Telegraph Plaza Shop. Ctr.
Sears Shop. Ctr. (Lincoln Park)
Tel. 12 Mall (Southfield)
Wonderland Shop. Ctr. (Livonia)
Madison Hts. Shop. Ctr. (Madison Hts.)
Green 8 Shop. Ctr. (Cay Park)
31930 Gratiot (Rosewille)
20124 Plymouth Rd.
E. LARNING Meridiam Mall (Okemos)
FARMINGTON 31606 Grand River Ave.
FLINT Eastland Mall
GRAND RAPIDS #12 Woodland Mell
3233 Alpine Ave. N.W. (Walker City)
#77 Woodland Mall
127 Monroe
GROSSE POINTE 19193 Mack Ave.
KALAMAZO Westmain Mall
MIDLAND Eastlawn Shop. Ctr.
MOUNT PLEASANT 3905 S. Mission\*
MUSKEGON 850 W. Sherman Blvd.
NILES 120 South 11th St.
PONTIAC Miracle Mile Shop Ctr.
PORT HURON 3851 Pine Grove Ave.
ROCHESTER Gateway Center
ROYAL OAK 321 Main St.
SAGINAW 5051 State Street
TRAVERSE CITY 518 E. Front St.
UTICA 47591 Van Dike St.
WARREN 4670 E. Nine Mile Rd.
YPSILANTI 3100 Carpenter Rd.

#### MINNESOTA

MINNESOTA
BLOOMINGTON 10566 France Ave. So.
BROOKLYN PARK VIIJage Shop. Ctr.
CRYSTAL Crystal Shop. Ctr.
DULLITH 29-21 E. Superior St.
FAIRMOUNT Fair Mall Shop. Ctr.
HOPKINS 1019 E. Excelsior Ave.
MINNEAPOLIS 1121 Nicollet
140 Apache Plaza
Hub Shop Ctr.
6440 University Ave. N.E.
5250 Excelsior Blvd. (St. Louis Pk.)
ROCHESTER Apache Mall Shop Ctr.
ST. CLOUD Westgate Shopping Ctr.
ST. CLOUD Westgate Shopping Ctr.
ST. RAUL Hillcrest Shop. Ctr. 776-5686
Midway Shop. Ctr.
STILLWATER St. Croix Mall
WINONA Westgate Shopping Ctr.

#### MISSISSIPPI

GULFPORT Hardy Court Shop. Ctr. JACKSON 2570 Bailey Ave. Extension 1999 Highway 80 West Jackson Square Shop. Ctr.

#### MISSOURI

COLUMBIA K-Mart Shop. Ctr., COLUMBIA K-Mart Shop. Ctr.,
W. Worley & Bernadette
FLORISSANT 2596 North Highway 140
GRANDVIEW Hwy. 71 & Blue Ridge Rd.
HAZELWOOD 15 Village Sq. Shop. Ctr.
INDEPENDENCE 11307 E. Hwy. 40
11211 East 24 Hwy.
JOPLIN 306 Main St.
KANSAS CITY 1234 Grand Ave.
5520 Antioch Rd.
7539 Wornall Road

Retail prices shown in this catalog may vary at individual stores

## **USE YOUR CREDIT CARD! WE HONOR**

KIRKWOOD 320 S. Kirkwood Rd.
RAYTOWN Laurel Hts. Plaza
ST. CHARLES 2265 First Capitol Drive
ST. JOSEPH Hillcrest Plaza Shop. Ctr.
ST. LOUIS 1125 Pine St.
12105 Bellefontaine Rd.
8650 Watson Rd.
S. County Shop. Ctr.
Paddock Forest Shop. Ctr.
Northland Shop. Ctr.
10483 St. Charles Rock Rd. (St. Ann)
8420 Olive St. (Univ. City)
3517 Hampton Ave.
1994 Halls Ferry Rd.
11739 Manchester Rd.
166 Crestwood Plaza
319 Northwest Plaza (St. Ann)
7450 Forsyth Blvd. (Clayton)
Zayre Shop. Ctr. & Gravois Ave.
SPRINGFIELD 2684 So. Glenstone

#### MONTANA

BILLINGS Alpine Village Shop. Ctr. GREAT FALLS 1014-16 9th St. South HELENA 428 N. Main Street

#### NEBRASKA

LINCOLN 928 N. 70th St. 1209 "O" St. OMAHA 3002 Dodge St. Omaha Plaza Shop. Ctr. 84th & Center 1103-07 So. 119th St. 6317 Ames Ave. Maplewood Plaza, 90th & Maple

#### NEW HAMPSHIRE

NEW HAMPSHIN
CLAREMONT Claremont Shop. Plaza
CONCORD 70 No. Main St.
DOVER Tri-City Shop. Plaza,
Somersworth Rd.
KERNE Keene Shop. Plaza
LACONIA Lake Region Ctr.
LEBANON On The Mail
MANCHESTER 580 EIm St.
NASHUA Gate City Mail
PLAISTOW Hoyt City, Rt. 125
PORTSMOUTH Lafayette Plaza
SALEM 305 So. Broadway

#### NEW JERSEY

NEW JERSEY

BAYONNE 461 Broadway
BROOKLAWN Rt. 130, Brooklawn Shop. Ctr.
BUTLER BUTLER

NEW MEXICO

ALAMOGORDO 800 New York Ave. ALBUQUERQUE 6315 Lomas Blvd. N.E. 401 Copper, N.W. The Mall Shop. Ctr. 4408 B Menaul N.E.

#### NEW YORK

ALBANY Colonie Shop Ctr., Colonie 83 Central Ave. AMSTERDAM Amsterdam Shop. Ctr. ASTORIA 28-54 Steinway St. BAYSHORE 1751 Sunrise Hwy. BINGHAMTON Vestal Shopping Plaza BRENTWOOD 733 Commack Rd. BRIARCLIFF MANOR 1856 Pleasantville Road BMIANCLIFF MANUN 1950 Pleasantill CLOVIS 114 W. 21st St. FARMINGTON 115 W. Main St. HOBBS 111 W. Broadway LAS CRUCES 19 Loretto Shop. Ctr. ROSWELL 124-126 N. Main SANTA FE 208 W. San Francisco St.

BROCKPORT Big N Plaza, Brockport-Spencer-

BROCKPORT Big N Plaza, Brockport-Spencerport Rd.
BRONN 1382 Metropolitan Ave. (Parkchester)
BROOKLYN Georgetown Shop. Ctr.,
2143 Ralph Ave.
4812 13th Ave.
4812 13th Ave.
763 Flatbush Ave.
Ctr., 1216 Neptune Ave.
BUFFALO 725 Main Street
105 Seneca Mall (W. Seneca)
Transitown Ctr. (Williamsville)
3673 Delaware Ave. (Kenmore),
CANANDAIGUA 9 Parkway Plaza
CARMEL Putnam Plaza Shop. Ctr.
COMMACK Commack Shop. Plaza,
40 Veterans Hwy.
DUNKIRK 1170 Central Ave. D&F Thruway Pl.
E. MEADOW E. Meadow Shop. Plaza,
1918 Hempstead Turnpike
ELMHURST 8603 Queens Biv.
FAR ROCKAWAY 10-10 Beach 29th St.
GLENS FALLS Northgate Shop. Ctr.
GREECE Ridge Rd. West
Northgate Plaza
HAMBURG 141 Buffalo, Hamburg Shop. Ctr.
HEMPSTEAD 271 Front St.
HICKSVILLE 648AA Mid-Island Shop. Pl.,
Building #6
HUNTINGTOM 384 New York Ave.

HEMPSTEAD 271 Front St.
HICKSVILLE 648AA Mid-Island Shop. Pl.,
Building 484 New York Ave.
HITHACA West State St.
JACKSON HEIGHTS 37-56 74th St.
KENMORE 3673 Delaware
KINGSTON 54 No. Front St.
LAKE GROVE Smith Grove. Shop. Ctr.,
119 Alexander
LIMA Lima Mall Fanklin Square,
949 Hempstead Turnpike.
Massapequa Park, Bar Harbour Shop Ctr.,
4890 Merrick Road
MIDDLETOWN\*
NEW ROCHELLE 242 North Ave.
NEW YORK 384 Fifth Ave.
115 W. 45th St.
NIAGARA FALLS 2575 Millitary Rd.
OAKDALE 329 Montauk Hwy.
OCEANSIDE Morsan Shop. Ctr., 3554 Long
Beach R.
ONEIDA 143 Madison St.
ONEONTA\*
OSWEGO Mid. Town Shop. Ctr.
PATCHOQUE 32-38 W. Main St.
PLATTSBURGH Sky Way Shop. Ctr.
POUGHKEEPSIE (Wappingers Falls) Imperial
Plaza
ROCHESTER Ridgemont Plaza (Greece)

PLATTSBURGH Sky Way Shop. Ctr.
POUGHKEEPSIE (Wappingers Falls) Imperial
Plaza
ROCHESTER Ridgemont Plaza (Greece)
2290 Monroe Ave. (Brighton)
County Club Plaza
Ridge Hudson Shopp. Ctr.
Webster Plaza (Webster)
EAST ROCHESTER Country Club Plaza
1100 Jefferson Rd.
Henrietta Plaza
ROCKVILLE CTR. 27-29 Northclark Ave.
SARATOGA SPRINGS 480 Broadway St.
SCHENECTADY 219 Nott Terrace
SCARSDALE 455 Central Park Ave.
SOUTHAMPTON 36 Hampton Rd.
STATEN ISLAND
#16 Tyson Park Shop. Ctr.,
2716 Hyland Blvd.
SUNNYSIDE 4502 Queens Blvd.
SYRACUSE 2574 Erie Blvd. East
Fairmount Fair Ctr.
628 So. Main St. (N. Syracuse)
TROY Troy Plaza, Hoosick St.
UTICA (Yorkville) Commercial Dr.
WAPPINGERS FALLS Imperial Plaza Tri 9A
WATERTIONN City Center Plaza
WEBSTER 980 Ridge Rd.,
Webster Plaza
WESSTER 980 Ridge Rd.,
Webster Plaza
WESSTERNY Westbury Shop. Ctr.,
1083 Old Country Road
WILLIAMSVILLE 4203 Transit Road
WODDHAVEN 36-51 Woodhaven Blvd.
YORKVILLE Commercial Dr., Rt. 5A & Rt. 69

#### NEVADA

NIEVADA

LAS VEGAS 1131 E. Tropicana Ave.
4715 W. Charleston
RENO Shoppers Square Shop. Ctr.
333 E. Plumb Ln.
SPARKS 1525 Oddie Blvd.
HIGH POINT College Village Shop. Ctr.
WILMINGTON Azalea Plaza Shop. Ctr.
RALEIGH 114-16 Fayetteville St.
110 N. Hills Mall
ROCKY MOUNT K. Mart Plaza
WILMINGTON Lot 510 W. Audubon
Peace Good Shop. Ctr.
WILSON Parkway Shop. Ctr.\*
WILSON Parkway Shop. Ctr.\*
WINSTON-SALEM Parkway Plaza, Rt. 150
North Side Shop. Ctr.

#### NORTH CAROLINA

ASHVILLE Ashville Mall BURLINGTON Holly Hill Mall





CHARLOTTE 1010 Central Ave.
Tryon Mall
Tyvola Mall
DURHAM North Gate Shop Ctr.
FAVETTEVILLE 3103 Ft. Bragg Rd.
GASTONIA Gaston Mall
GOLDSBORD Eastgate Shop. Ctr.
GREENSBORD 926 Summit Shop Ctr.
Sedgefield Plaza, High Point Rd.
King Shopping Center
W. Market St.
O. Henry Oaks Shop. Ctr.

#### NORTH DAKOTA

MINOT 1609 S. Broadway

#### OHIO

AKRON 360 Lakemore Plaza
Rt. 5. Kent Rd.,
Stow-Kent Shop, Ctr.
1500 Canton Rd.
2855 W. Market, Fairlawn Plaza
BEREA (Cleveland) West Valley Plaza
4.17 W. Bagley Rd.
CANTON Mellett Malls Shop, Ctr.
CENTERVILLE 13 N. Main St.
CUYAHOGA FALLS Greater State Rd. Plaza
CINCINNATI 740 Swifton Ctr.
White Oak Ctr., Cheviot Rd.
8437 Beechmont Ave.
6631 Glenway Ave.
6632 Hamilton Ave.
7414 Montgomery Rd.
Newport Pl. (Newport Ky.)
Fair Plaza (Fairfield)
9925 Springfield Pike (Woodlawn)
CLEVELAND 20677 Center Ridge Rd.
6878 Pearl Road
Mentor City Shop, Ctr.
Southgate Shop, Ctr. (Maple Heights)
Richmond Mall
Parmatown Shop, Ctr. (Parma)
1741 Euclid Avenue
11850 Detroit Avenue (Lakewood)
280 Northgate Shop, Ctr. (Flyria)
Shoregate Shop, Ctr. (Willowick)
Midtown Shop, Ctr. (Parma)
Hilltop Plaza Ctr. (Richmond Hts.)
245 Shoregate Shop, Ctr. (Willowick)
COLUMBUS 4290 No. High St.
Town & Country Shop, Ctr.
Great Western Shop, Ctr.
Great Western Shop, Ctr.
Central Point Shop, Ctr.
Central Point Shop, Ctr.
Central Point Shop, Ctr.
Central Point Shop, Ctr.
Cr.
Central Point Shop, Ctr.
Westland Shop, Ctr.
Graceland Shop, Ctr.
Central Point Shop, Ctr.
Central Road
Hill Shop, Ctr.
Westland Shop, Ctr.
Westland Shop, Ctr.
Alae Shop, Ctr.
Alae Shop, Ctr.
Central Road
Rentral Ro

#### OKLAHOMA

ARDMORE 701 Grand ENID 229 W. Cherokea LAWTON 2615 Cache Rd. McALESTER 1700 Carl Albert MUSKOGEE 800 W. Okmulgee NORMAN 101-103 E. Boyd

## OVER 1000 STORES - THERE'S ONE NEAR YOU!

OKLAHOMA CITY 4903 N. May Ave. Hillcrest Shop. Ctr. 7605 N.W. 23rd 5839 N.W. 50th 2148 W. Britton Rd. 2214 Northwest 23rd St. TULSA 2730 South Harvard 15 So. Sheridan Rd. 1403 East 41st St. 5014 So. Sheridan

#### OREGON

CHECUN
BEAVERTON 3370 S.W. Cedar Hills Blvd.
EUGENE 57 W. 29th Williamette Plz.
MEDFORD 102 E. 8th St.
PORTLAND 1539 N.E. 40th Ave.
7463 S.W. Barbur Blvd
10114 S.E. Divission
SALEM 697 12th St., S.E.
IIGARD 14285 S.W. Pacific Hwy.

SALEM 697 12th St. S.E.
TIGARD 14285 S.W. Pacific Hwy.

PENNSYLVANIA

ABINGTON Abington Shop. Ctr.,
Old York Road
ALLENTOWN 806 Hamilton St.
Whitehall Mall, N. 7th St.
ARDMORE 9 E. Lancaster Ave. & Station Rd.
BENSALEM\*
BETHLEHEM Leheigh Valley Shop. Plaza
BROOKHAVEN Brookhaven Shop. Ctr.
BUTLER Greater Butler Mart, Rt. 8 South
CAMBRIA Laurel Mall
CAMP HILL Camp Hill Shop. Ctr.
CHAMBERSBURG 54 S. Gate Plaza
CONNELSVILLE University Dr., Rt. 119 South
CRAFTON 10A Crafton Ingram Shop. Ctr.
DOYLESTOWN Doylestown Shop. Ctr.
DREXEL HILL Bond Shop. Ctr.
CREENSBURG Greengate Mall
HARRISBURG Harrisburg-East Mall
HARRISBURG Harrisburg-East Mall
HOMESTEAD 315 E. 8th Ave.
HORSHAM Village Mall Shop. Ctr.
LANCASTER Manor Shop. Ctr.
MONROEVILLE Miracle Mile Shop. Ctr.
MONROEVILLE MIRACLE ST.

MONROEV PENNSYLVANIA

#### RHODE ISLAND

EAST PROVIDENCE Shoppers' Town PROVIDENCE 355 Reservoir Ave. University Heights Plaza WARWICK 296 Midland Mall WESTERLEY 116K Granite St. Shop. Ctr.

#### SOUTH CAROLINA

CHARLESTON Ashley Plaza Mail\*
Grant City North Shop. Ctr.
COLUMBIA Dutch Sq. Mail Shop. Ctr.
GREENVILLE Bell Plaza Shop. Ctr.

#### SOUTH DAKOTA

SIOUX FALLS 3410 S. Western Ave.

#### TENNESSEE

CHATTANOOGA 3987 Brainerd Rd.
CLARKSVILLE 1191 Hopkinsville Hwy.
JACKSON Old Hickory Mall
KNOXVILLE 314 Southwest Gay St.
7329 Kingston Pike S.W.
MADISON Opening Soon

MEMPHIS Southland Mall Shop. Ctr.
Mendenhall Estates Shop. Ctr.
96 No. Avalon Center City
Southgate Shop. Ctr.
2170 Frayser Blvd.
5140 Park Ave.
3403 Summer Ave.
38 N. Main
NSHVILLE 100 Oaks Shop. Ctr.
Harding Mall Shopp. Ctr.
3249 Gallatin Pike
OAK RIDGE 1507 Oakridge Turnpike

TEXAS TEXAS

ABILENE 2910 North First St.
Leonards, 1218 Mockingbird Lane
2634 Barrow
AMARILLO 17 Western Plaza
1804 E. Amarillo Blvd.
ARLINGTON 805 E. Park Row
Leonards, 985 N. Copper
ARLINGTON/GRAND PRAIRIE Leonards,
3000 E. Pioneer Park.
AUSTIN 2239 So. Lamar Blvd.
404 Hancock Ctr.
North Village Shop. Ctr.
BAYTOWN 1303A Sandy Lane
BEAUMONT 4785 Concord Rd.
5050 College AU4 Hancock Ctr.
North Village Shop. Ctr.
BAYTOWN 1303A Sandy Lane
BEAUMONT 4785 Concord Rd.
5050 College
BROWNSVILLE 847 S.E. Elizabeth St.
BRYAN 1125 Villa Maria Rd.
CONROE North Hills Shop. Ctr.
CORSICANA 1803 West 7th
DALLAS 144 Medallion Shop. Ctr.
138 Marsh Lane Plaza
156 Inwood Village
12001 North Central Expressway
3629 Marvin D. Love Frey.
507 Casa Linda Plaza
1410 So. Buckner Blvd.
1920 Main St.
Richardson—130 Camelot Rd.
8201 Preston Rd.
727 Wynnewood Village
310 Big Town Shop. Ctr.
CLE PASO 85 Bassett Center
Northgate Shop. Ctr.
Mesa Village Shop. Ctr.
FORT WORTH Leonards, 200 Houston St.
3524 Denton Hwy.
1810-1812 W. Berry St.
Leonards, 3330 Mansfield Hwy.
2615 West 7th St.
Leonards, 4225 E. Lancaster
Leonards, 425 E. Lancaster
Leonards, 8100 Hwy. 80 West
138 Seminary South
Leonards, 6501 Azle Ave.
701 Throckmorton St.
5516 River Oaks Blvd.
Ridgles Shop. Ctr.,
6109 Camp Bowie Blvd.
GALVESTON Weingarten Shop. Ctr.
GRANAM Leonards, 1300 Cherry St.
GRAND PRAIRIE 1016 N. Carrier Pkwy.
GREENVILLE 3211 Wesley St.
HOUSTON 7949 Katy Freeway
8458 Gulf Freeway
10810 Belfort
100 Curry St.
100 Ctr.
101 Cherry St.
101 Cherry St.
102 Cherry St.
103 Cherry St.
103 Cherry St.
104 Cherry St.
105 Cherry St.
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107 Cherry St.
107 Cherry St.
108 Cherry St.
108 Cherry St.
108 Cherry St.
108 Cherry

12403 Hillcroft Ave.
9417 Jensen Dr.
410 W. Little York
1407 Spencer Hwy. (So. Houston)
1711 Colonnade Dr.
1214 Westheimer
7606 Clarewood Drive
9221 Long Point Rd.
Pasadena—Pasadena Oaks Shop. Ctr.

Pasadena — Pasadena Oaks Shop. Ctr. 1306 W. 20th Street HURST Leonards, 1101 Melbourne Ave. IRVING 135 Plymouth Park Shop. Ctr. 1001 Rochelle

LAKE JACKSON Brazosport Village Shop. Ctr.
1001 Rochelle
LAKE JACKSON Brazosport Village Shop. Ctr.
LUBBOCK B-10 Caprock Shop. Ctr.
324 Univ. Town & Country Ctr.
1907 University
MIDLAND South "9" Meta Drive
MIDLAND South "9" Meta Drive
MIDLAND South "9" Mid County
Shop. Ctr.
NEDERLAND Weingarten's Mid County
Shop. Ctr.
ODESSA 901 N. Grandview
SAN ANTONIO 2316 E. Southcross Blvd.
150 Wonderland Shop. Ctr.
634 S.W. Military Dr.
4948 Broadway
7107// San Pedro Ave.
SEABROOK 607 Kirby Rd.

SEABROOK 607 Kirby Rd.
SHERMAN 1610 Hwy. 75 North
STEPHENVILLE Mitchell's Dept. Store,
Stephenville Plaza

TEXARKANA State Line St., #23 K-Mart Plaza
TYLER Green Acres Shop. Ctr.
VICTORIA 215 S. Main
WACO 4300 West Waco Dr.
WICHITA FALLS Southmore Shop. Ctr.

#### UTAH

OGDEN 3672 Wall Ave OREM 1708 So. State St. SALT LAKE CITY Cottonwood Mall 680 So. State Valley Fair Mall

#### VERMONT

BARRE Vermont Shop. Ctr. BENNINGTON 347 Main St. BURLINGTON 159 Main St. RUTLAND 3 Merchants Rd.

#### VIRGINIA

VIRGINIA

RALINGTON Parkington Shop. Ctr.
FALLS CHURCH 6653 Arington Blvd.
FRONT ROYAL Front Royal Plaza
HAMPTON Mercury Plaza Mail
LYNCHBURG Wadsworth St. —
Pittman Plaza
MANASSAS Manassas Mail\*
NEWPORT NEWS 11045 Warwick Blvd.
NORFOLK 4016 Granby St.
Janaf Shop. Ctr.
Little Creek East Shop. Ctr.
PORTSMOUTH Mid-City Shop. Ctr., Annex
RICHMOND Ridge Shop. Ctr.,
Midlothian Mail
Cary Court Shop. Ctr.
3154 W. Cary St.
Henrico Plaza, Mechanics Ville Tpk.
Rt. 360\*
ROANOKE Roanoke-Salem Plaza

RT. 300° ROANOKE Roanoke-Salem Plaza Towers Shop. Ctr. SPRINGFIELD Springfield Shop. Ctr. VIENNA Pike 7 Plaza Shop. Ctr. VIENNA BEACH Pembroke Mall WILLIAMSBURG 729 James York Plaza

#### WASHINGTON

WASHINGTO

BELLEVIE 15015 Main St.

EVERETT 6502 Evergreen Way

LACEY 322 So. Sound Shop. Ctr.

LYNNWOOD 19505 56th Ave. W.

PUYALLUP 208 River Rd.

1014 ROY BOOK ST.

LONG ST.

#### WEST VIRGINIA

CHARLESTON 211 Dickenson St. MARTINSBURG Charlestown Rd. WHEELING 1120 Main St.

#### WISCONSIN

WISCONSIN

APPLETON 661 W. Foster St.
413 W. College Avenue
BELOIT 149 W. Grand Avenue
CUDANY Packard-Ramesey Shop. Ctr.
EAU CLAIRE Barstow & Main St.
FOND DU LAC Southtown Shop. Ctr.
GREEN BAY 1924 Ridge Rd.
JANESVILLE Creston Park Shop. Ctr.
LA CROSSE\*
MADISON 325 W. Belt Line Hwy.
Truax Plaza
154 W. Johnson St.
MANITOMOC Mid-Cities Mall
MILWAUKEE Mill Road Shop Ctr.
3128 So. 27th St.
2335 N. 124th St. (Brkfld.)
10428 Silver Spring Dr.
Point Loomis Shop. Ctr.
05HKOSH 506 N. Main Street
RACINE 3034 Lathrop
SHEBDYGAN 912 No. 8th St.
WAUSAU 1804 W. Stewart Ave.
WEST ALLIS 2968 S. 108th St.

#### WYOMING

CHEYENNE 127-29 Cole Shop. Ctr.

\*Opening Soon.

All Prices In This Catalog Subject to Change Without Notice



Super-Powered "New Formula" Batteries FOR TOP PERFORMANCE AT A LOW PRICE!

All Are Subject to Tough Quality Controls & Factory Inspection

Factory Fresh for "Extra-Long-Life" Performance

Get premium-quality "New Formula" power cells which have surpassed the most rigid quality controls. Why pay more for less when you can have the best with Radio Shack batteries?

Stock		REPL	ACES			
No	Type E	veready	Burges	s RCA	EA .	PER BOX
23-466	1.5V "D"	950	2	VS036	.19	24/3.48
23-467	1.5V "C"	935	1	VS035	.17	24/3.36
23-468	1.5V "AA"	915	Z	<b>VS034A</b>	.10	72/5.76
23-464	9V Rect.	216	206	VS323	.35	24/6.96

AA Cell 8¢ Each in Box of 72

Buy 1.5V "D"

RADIO SHACK

Stock up and Save

Buy 'em By the Box!

NEW! "D" CELL POWERHOUSE 5-PACK



cells in our special 5-Pack and SAVE! Wt. 2 lbs. 23-4665 89¢



#### Join Our Battery-A-Month Club! Get Fresh Batteries for a Year—FREE!

Stamp out stale batteries! Join Allied Radio Shack's Battery-A-Month Club and receive your choice of one Radio Shack 1½V D, C, AA cell, or 9V radio battery each month FREE! (That's worth up to \$4.20!) Pick up your club card at our store near you! No obligation, nothing to buy, no cost! It's just our way of saying "thanks" for shopping at Allied Radio Shack.

#### ALLIED RADIO SHACK—HEADOUARTERS FOR "HARD-TO-FIND" BATTERIES

Transisto	r Radio	Batteries				
Cat.	17-11-		uivalent T	ypes	Wt.	
No.	Volts	Burgess	Eveready	RCA	Lbs.	Each
23-574	1.5	NE.	904	VS073	1/8	.14
23-002	1.5	7	912	VS074	1/8	.19
23-569	9	D6	276	VS306	1	2.49
23-010	9	L6	206	VS327	1/8	.97
23-011	9	M6	266	VS322	1/8	1.93
23-012	9	P6	226	VS300A	1/8	1.17
Bantamw	eight "I	B" Batteri	es			
23-509	15	Y10	504	VS704	1/8	1.49
23-510	22.5	Y15	505	VS705	1/8	1.74
23-097	22.5	U15	412	VS084	1/8	1.74
Photofias	h Batte	ries				
23-472	1.5	120	835	С	1/8	.33
23-473	1.5	220	850	D	1/8	.33
23-474	1.5	720	812	AAA	1/8	.29
23-475	1.5	920	815	AA	1/8	.29
Milital:			C	onvenien	Crec	lit Plo

#### **Alkaline Batteries**

23-1520 1.4

Cat.			alvalent ly		AAT.	
No.	Volts	Burgess	Eveready	Mallory	Lbs.	Each
23-223	1.5	AL7	E92	AAA	1/8	.59
23-013	1.5	ALN	E90	N	1/8	.59
23-225	1.5	APX825	EPX825	PX825	1/8 1/8 1/8	2/1.45
Portable	Lantern	Batteries	in a literal			
23-066	6	F4BP	510S	VS040S	11/2	1.66
23-006	6	F4M	509	VS040	11/2	1.66
23-541	6	TW1	731	VS317	31/2	3.39
23-143	1.5	#6 IGN	6	VS006	13/4	1.65
23-008	1.5	4FM/410	738	VS106	11/2	1.55
Mercury	and Silv	er Oxide*	"A" Batte	ries		
23-640	1.4	HG312	E312	RM312		.39
23-660	1.4	HG401	E401	RM401		.95
22 1515		HOGAO	FEAG	DMEAN		00

Mercary	and on	eci Oxide	V Dare	Ciles	
23-640	1.4	HG312	E312	RM312	3.46
23-660	1.4	HG401	E401	RM401	
23-1515	1.4	HG640	E640	RM640	

HG675

23.003	2.4	7030	3/0	M3/0	./4
Mercury	Transisto	Radio	Batteries		2.24.3
23-1536	8.4	H126	E126	TR126	2.25
23-1523	4.2	H133	E133	TR133B	2.25
23-1527	8.4	H146X	E146X	TR146XB	1.90
22 1525	1 4	HOA	FO	71400	2/1 05

RM675

.70

## More Power to the People!-And for a Lot Longer Too-With Allied Radio Shack Batteries





C

#### TRIPLE-LIFE BATTERIES

Our Own Famous NOVA CELL

You'll never use a "regular" battery again! Our exclusive Nova Cells feature a specially processed electrolyte that provides 200% more life than ordinary batteries—one Nova Cell lasts as long as THREE regular batteries. Also boast a shelf-life of up to three years for fresh, sure power whenever you need it. Each is carefully designed, with a special "miracle" polyethylene seal that prevents leakage even when battery is discharged—eliminates battery mess that could damage equipment.

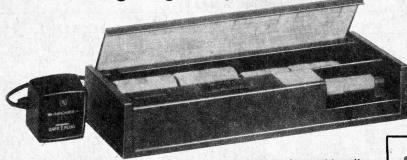
Fig.	Cat. No.	Desc.	Wt.	Replacement for			
				Burgess	Eveready	RCA	Price
A	23-451	"D" Cell	11 oz.	230	1050	VS336 VS335	Pkg. of 2 for 79¢ Pkg. of 2 for 75¢
B	23-452 23-453	"C" Cell	6 oz. 8 oz.	130 930	1035 1015	VS334	Pkg. of 4 for 98



### **Low-Cost Battery Home Charger**

- Charges 4 Batteries At Once in Any Combo of Size or Type
- Won't Overcharge or Burn Out

**Deluxe Self-Regulating Battery Charger** 



Recharges every popular size battery including rechargeable alkaline, carbon-zinc, NiCad types—self-regulating chamber takes up to 4 batteries in any combination overnight. Safe-T-Plug" reduces power at AC outlet so only low-voltage battery-type power can get to batteries no burnouts, no overcharging. Built-in tester U.L. listed. 270-1530. Ship. wt. 2 lbs. 6.95

- Recharges Radio/ Flashlight Batteries Up to 1000 Times
- Charge Up to Four Batteries at Once — In Any Combination
- "Safe-T-Plug" Prevents Burnouts



We Service What We Sell . . . Everywhere in the Nation

## Allied Alkaline Batteries—Up to 1000% Longer Life!

- Up to 10 Times the Life of Carbon Batteries
- Offers Top Performance Even at High-Drain Levels
- For Greater Dependability in All Kinds of Weather
- Cost You Less When Figured on Hour-by-Hour Performance

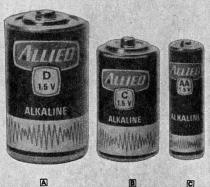
It's true—these super-batteries are really that good! Compare and see how much you save—divide the initial cost by the hours and hours of service you get. Insulated for top performance even at low temperatures, and greatly increased shelf life at normal temperatures. Allied ALKALINE batteries keep all your battery-operated equipment working harder and longer. Non-rechargeable. Don't delay - get these batteries NOW! Exclusive at Allied Radio Shack!











WE KIND KIT			<b>2011年10日</b>		replacement for		
Fig.	Cat. No.	Desc.	Wt.	Burgess	Eveready	Mallory	Price
A	23-5001	"D" Cell	11 oz.	AL-2	E95	MN1300 .	Pkg. of 2 for 1.59
В	23-5002	"C" Cell	6 oz.	AL-1	E93	MN1400	Pkg. of 2 for 1.39
C	23-5003	"AA" Cell	8 oz.	AL-9	E91	MN1500	Pkg. of 4 for 1.89

## "Total Performance" Rechargeable Nickel-Cadmium Batteries

## Enercell® "AA" Batteries—You Can Recharge Them 200 to 500 Times!

- Eliminate Bothersome Battery-Replacement Costs
- Hermetically Sealed for Long-Life Performance
- Uniform Power Output
- High Reliability

Keep all your battery-operated devices at FULL POWER without running to the store for replacement batteries! Enercell batteries (made exclusively for Allied Radio Shack) save you time, save you money because they can be recharged up to 500 times. All are rated at  $1\frac{1}{4}$  volts—feature uniform power output for "total performance" every time. Optional charger below.

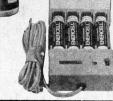
23-125. Ship. wt. 4 oz. 2 for 2.98 270-1529. "AA" Battery Charger. Automatically charges 2 or 4 Enercell or other NiCad "AA" cells at one time. 14-16 hour charge cycle. Plugs into AC outlet. Ship. wt. 1½ lbs. 5.95



Pack of 2



Battery-Charger



## 50% EXTRA-LIFE 9-V Battery



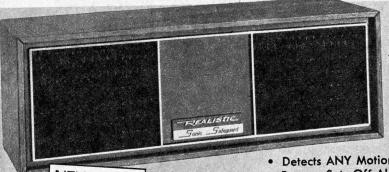
- Higher Lumen Output
- Greater MNO Content
- Rugged Steel Case
- Anti-Corrosive Caps

Specially formulated for up to 50% longer life! Designed and manufactured to EXCEED the U.S. Government standard. Snap-type contacts. 23-152 2/98¢ Box of 50 19.95



Charges 9-volt batteries, converts transistor portables to AC current. Replaces 216, 2U6, VS-312. 270-415. Ship. wt. 11/2 lbs. ... 2.98

## "Electronic Insurance" Protects Your Home, Your Property



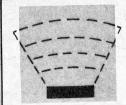
BATTERY OPERATED Sonic \_Safeguard SECURITY SYSTEM

NEW . FOR

Available Sept. 30

 Detects ANY Motion That Breaks Ultrasonic Beam—Sets Off Alarm to Scare Away Intruders

- No Installation—Simply "Aim" Over Desired Area
- Can Be Set for Immediate or Delay-Alarm Warning



Protects Cone-Shaped Area 30' Long and 60° Wide

The portable, silent system that gives you all-hours protection. Ideal for home, workshop, office, etc. Covers up to 600 sq. ft. with invisible ultrasonic beam—sounds loud blast from built-in alarm, or can be connected to external alarms. Can be set to sound immediately (when you're at home), or with a 20-second delay (so you can leave and re-enter without setting off false alarm). Has terminals for adding magnetic switches, gain control to vary area of protection. Wood-grain case, 11x4x4". Batteries below.

PHOTOELECTRIC EYE WARNING SYSTEM

 Effective Range to 50 Ft. Each Unit is Self-Powered

 Can Be Set for Continuous Or Intermittent Duty

Use to count people or objects, signal (with 117 VAC bell or buzzer), trigger alarms. Continuous duty (alarm remains on indefinitely when beam is broken). Intermittent duty (alarm resets automatically). Sensitivity control adjusts for light levels or temporarily inactivates system. Each 51/2x4x27/8". AC. 







Counting

## COMPACT DC BUZZER

OTO-ELECTRIC RELA exciter Lamp Onit

Operates from 11/2-6 Volt Battery

Connects to just about any warning. Good low-cost protec-tion for home or office. Easy installation. 273-004. Wt. 8 oz......89¢

### 117 VAC ALARM BELL



For Alarm

Systems, Signalling,

Emits loud, clear ring that overhigh-level background noises. Ideal for factories, ware-houses, etc. Metal base, 4x2". 273-020. Ship. wt. 1 lb. 3.49

### 117 VAC ALARM BUZZER

ATRIC BELAY SYSTE

· Plastic Housing · For ANY Alarm

Ideal for wall mounting. Convenient screw terminal connections for easy hookup. Use with any 117 VAC alarm sys-



Retail prices shown in this catalog may vary at individual stores

## Safety & Security Through Space-Age Electronics

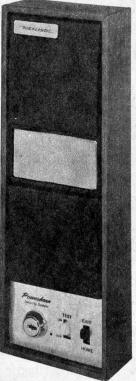
TAMPER-PROOF ALARM ELECTRONICALLY PROTECTS **AGAINST INTRUDERS & FORCED ENTRY** 

POWERHORN Security System

- Installs Instantly—No Special Tools Needed
- Battery Operated—Needs No AC Outlet
- Arming Test Switch Shows Alarm Is "On"
- Modern Design—Wood-Grain Enclosure

Available





### WIRELESS REMOTE CONTROL "SERVoSWITCH"



NO Wires! Hand Held!



- Ready to Plug In and Use
- Turns On Lights, TV, Appliances Anywhere in Your Home

Low-cost remote-control ON-OFF operation for 100's of electrical devices. Transmitter and receiver units are plugged into AC outlets at desired locations; appliance is plugged into receiver. To operate, simply switch ON transmitter . . . instantly turns on appliance controlled by receiver. For units rated up to 300 watts. Receiver:  $3\frac{1}{4}x2\frac{7}{6}x1\frac{1}{2}$ ". Transmitter:  $5\frac{1}{4}x1\frac{3}{4}x1\frac{1}{2}$ ". 117 V, 50-60 Hz AC.

### PHOTOELECTRIC LIGHT CONTROLS

Automatically Turn On at Dusk,



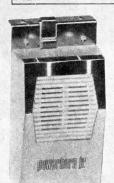
EACH



INDOOR

Helps discourage burglars or vandals. Turns lights on at dusk, off in morning. Simply plug lamp to be controlled into device, device into 117V AC outlet. 272-330. Wt. 1½ lbs. ...4.95 Lights up driveways, patios, gardens — automatically! Takes regular or floodlight bulbs—screws into standard light socket. Use 'em anywhere outdoors! 117VAC. 272-207. Wt. ½ lb. ......4.95

### NEW FOR '72



### BATTERY OPERATED "POWERHORN JR." ALARM

Attaches to Door or Window for Effective Low-Cost Protection

Available Sept. 15

Signals loud alarm when door or window is opened. Has self-adhesive backing for temporary use, wood screws for permanent use. On-off switch. Requires 2 batteries 

## NEW FOR '72 Super Plastic "Thermal" Fiber Optic Kit

## Create Dozens of Dazzling Light Displays with Heat-Shaped Plastic (Poly) Fibers



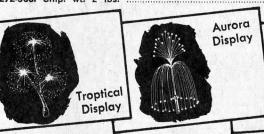
Fibers Can Be Formed and Fused "Thermionically" (With Heat)
 Easy to Use and Re-Use
 104-Pc. Accessory Kit
 5 Book



New Poly-Thermionic Fiber Optics can be formed or bent into a variety of patterns or shapes using the heat from a light bulb, candle or soldering iron. Create beautiful, ornamental light displays. Sturdier, safer, easier and more fun to work with, these optically perfect poly fibers transmit up to 175 times the square area of light as glass fibers. You can form 60mm and 80mm lensed fibers; transfer light from one lensed fiber to another (Link-O-Lites). Pipe light up walls, around corners. Make a Flex-O-Lite to pipe light into hard to see areas. Trigger light sensitive devices. Create unique "Poly-Op-Pics," pictures that light up with fiber optics. Variable color control changes color of light from fibers. Kit includes the following plastic fibers: 80 feet of 20 mil, 2 feet of 40 mil and 192 feet of 10 mil Crofon (64 3-foot lengths fused in vinyl jacket). 104-piece accessory kit has 60 moonstone sphericals, 10 optical stems, 3-pc. variable color control, 1 optical adapter, Flex-O-Lite fitting, 10 end fittings, 2-ft. vinyl jacketing, magic floratape, vial of acrylic adherent, 2 "O" rings 3-pc. sphere holder kit, 4-pc. heat shrink, 1 focus lens, self-powered light source and 5 fiber optic instruction booklets.

272-306. Ship. wt. 2 lbs.







## Create Two DeLIGHTfully Different Displays from New Plastic "Thermal" Fiber Optics

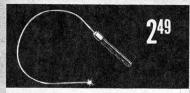
 Uses Same 20-Mil Poly Fibers As Displays Selling for Much More in Other Stores

Everything You Need to make Two Displays

Make two excitingly different fiber optic light displays to decorate your home or office for less than the cost of one ready made display. Our new fiber optic display kit uses poly-thermionic 20 mil fibers. You can bend and shape these remarkable fibers easily using thermal (heat) technique. Make a Meteorlite four-level display with three levels of cascading streak-like lights and an upper level topped with glowing "Moonstone" polysphericals. The Moonstone display is a spray of glowing polyspheres at the end of each fiber. Kit comes complete with 40 2-foot lengths of plastic fibers, 30 moonstones, 4-pc. sphere holder kit, 5 optical stems, 2 variable color controls add a new dimension of color to each display, self-powered cord-less light source, 2 end fittings, 1 "O" ring, magic floratape, vial of acrylic adherent and instruction booklets.

7.95





## **195**

### Magic Poly Flex-O-Lite

Versatile Inspection Aid for Hobbyists

Directs light into hard to see areas. Ideal for micro-circuitry de-signers, gun enthusiasts. Triggers 

## **Plastic Light Wire**

80-Feet of 20 mil Fibers in Easy-to-Use 24" Lengths

Great introduction to the wonders of Poly-Thermionic fiber optics; the plastic fibers that can be shaped and formed with heat. Kit also includes 24" vinyl jacket to make uni-fiber lensed light pipe, 4 end fittings, 3-pc. sphere holder kit, 6 polyspheres (Moonstones with magic inner glow) and instructions. 272-308. Wt. 1/4 lb. .....4.95



## Glass Fiber Optic Kit

Basic Kit for Experimenters

## Experiment with the "Light Fantastic"—Space-Age Fiber Optics HARNESS AND TRANSMIT LIGHT BY INTERNAL REFLECTION

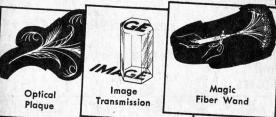
#### ARCHER PLASTIC AND GLASS FIBER OPTICS KIT FOR EXCITING DISPLAYS

- Over 1600 Light-Transmitting Fibers
- Fibers May Be Used Over and Over
- 45-Pc. Accessory Kit with Variable Color Control Adds Versatility

Color Control Adds Versatility

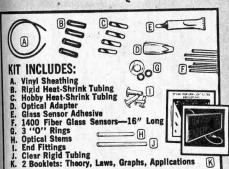
Make fiber optic displays, light pipes, image pipes, or experiment with any of 1000 dazzling uses with this deluxe plastic and glass fiber optic light sensor kit. Light travels by means of multiple reflection through these remarkable fibers. Each optically perfect fiber cuts and bends like wire, guiding or piping light around corners or up walls. Can be used to trigger light sensitive devices. Kit includes: 1400-12" glass fibers, 200-14" glass fibers in vinyl jackets, 64-24" plastic fiber light pipes.

Accessory kit has: 25-ft. 10 mil solid plastic light wire, 2" image stock with ball magnifier, assorted light pipe and fittings, 6-pc. heat shrink kit, tube of optical adhesive, 9 assorted rigid vinyl stems, 4 "O" rings, 5 fiber optic instruction booklets.





### DESIGN UNIQUE DISPLAYS WITH THIS EXPERIMENTER'S GLASS FIBER OPTICS KIT



- Safe, Easy-to-Use, Educational
- Fibers Cut and Bend Like Wire
- For Hobby, Gifts, Experiments



#### HOBBYIST FIBER OPTICS KIT

- 200 Glass Fibers
- Optical Adapter • Instruction Booklet

Hobbyist kit provides an excellent introduction to the fiber optics field. Consists of 200 optically perfect 24" long glass fibers with vinyl jackets, 24" of 10 mil plastic fiber, an optical adapter and a booklet describing theories and applications of fiber optics. Ideal for beginners or experimenters learning the basics about fiber optics. ing the basics about fiber optics. Ship. wt. ½ lb. 272-303. 1.98



#### 14" MAGIC FIBER WAND

 Multi-Color Magic Wand
 Cordless Light Source • Variable Color Control

Unique multi-color magic fiber wand serves as an introduction to hundreds of optical displays. Features up to 1000 micro-lighted colored tips. Includes the exclusive variable color control. Can be used as a cordless light source for fiber optic experiments. It winks and blinks in color and produces psychedelic strobe effects. With light source. Less batteries. Ship. wt. 1 lb. 272-304. 3.98 272-304. ......3.98



#### CROFON® PLASTIC LIGHT WIRE

- More Optical Light Than Glass Fiber
- Continuous Length

Continuous Length
 Make lines and ribbons of light, read-outs, micro light pipes, optical displays, panel lights and more. Plastic light wire carries eleven times more optical light than glass. Includes one continuous 100-foot length of 10 mill plastic light wire, 3 optical stems, vinyl jacketing and an assortment of vinyl jacketing and heat shrinks plus instruction booklet. Ship. wt. ½ lb.

272-305.

298

## No One But Allied Radio Shack Offers



ONE-STOP SHOPPING
FOR
OVER
1200
TUBE TYPES





Guaranteed to Last as Long as Your Set—or We Replace It FREE! (Except for Physical Damage)
 Yet You Still Save Up to 40% Off Installer's Resale Prices!

2. 90% of The Most Popular Types IN STOCK\* at All Stores, All Other Types Available for Immediate Shipment from Our Tube Centers!

3. FREE Do-it-Yourself Tube Testers in All Stores—Your Savings Add-Up Fast When You Replace Your Own Tubes!

4. GOLD Contacts — Usually Reserved for "Military" Components — Maintain Positive Electrical Contact and Are NON-Oxidizing!

### \* BOLD FACE TYPE DENOTES TUBES STOCKED IN ALL STORES.

Tube Installer's EACH Type Resale 1-5 6-U	Tube Installer's EACH Type Resale 1-5 6-Up	Tube Installer's EACH Type Resale 1-5 6-Up	Tube Installer's EACH Type Resale 1-5   6-Up
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1A3 6.65 4.49 3.9 1A5GT 4.00 2.69 2.4		3DF3 4.65 3.19 2.79	4HA5 2.35 1.59 1.49
1A7GT 5.40 3.69 3.2	2ER5 3.70 2.49 2.29	3DG4 6.35 4.29 3.89	4HA7 USE 4HC7/4HA7 4HC7/4HA7 4.25 2.89 2.59
1AD2 3.85 2.39 2.1		3DHH13 7.15 4.79 4.29 3DJ3 4.60 3.09 2.79	4HM5/4HA5 4.00 2.69 2.49
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2AF4A USE 2AF4B/2DZ4	3826 4.10 2.59 2.39	4CY5 4.70 3.19 2.89	5RW8 4.30 2.89 2.59
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## Realistic Fail-Safe Lifetime Tubes SAVE UP TO 40% OFF INSTALLER'S RESALE PRICE

Type
5687 3.65 2.39 2.09 5686 2.45 1.69 1.49 56X7 5.90 3.99 3.59 5HA7 4.25 2.89 2.59 5HB7 3.40 2.29 2.09 5HG8 3.70 2.49 2.29 5HZ6 4.20 2.89 2.59 5HZ6 4.20 2.89 2.59 5HZ8 4.25 2.89 2.59 5KB8 7.05 4.49 4.09 5KZ8 4.25 2.89 2.59 5KB8 3.65 2.49 2.19 5MH3 USE 5J6/5MHH3 5M(9 3.80 2.59 2.29 5MBR 3.65 2.49 2.19 5MH3 USE 5J6/5MH3 5M(9 3.80 2.59 2.29 5HZ6 3.40 2.99 2.69 5U8/5EAB 5.55 3.49 3.19 5U8/5EAB 5.55 3.49 3.99 5V4GA 2.45 1.69 1.49 5V3GT 3.40 2.19 1.99 5V4GA 2.45 1.69 1.49 6ABB 3.85 2.59 2.39 6ABB 7.10 4.79 4.29 6ABB 3.85 2.59 2.39 6ABB 3.85 2.59 2.39 6ABB 3.85 2.59 2.39 6ABB 3.85 2.59 3.39 6ACSGT 5.85 3.99 3.59 6ACSGT 5.85 3.99 3.59 6ACSGT 5.85 3.99 3.59 6ACSGT 5.85 3.99 3.99 6ACSGT 5.85 3.99 6ACSGT 5.85 3.99 6ACSGT 5.85 3.99 6ACS
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5HBT       3.40       2.29       2.09         5HGS       3.70       2.49       2.29         5HG       3.70       2.49       2.29         5HG       3.70       2.49       2.29         5HG       3.70       2.49       2.29         5HG       4.20       2.89       2.59         5HCB       7.05       4.49       4.09         5KZ8       4.25       2.89       2.59         5LJB       4.40       2.79       2.59         5MBB       3.65       2.49       2.19         5MH3       USE       5J6/5MHH3       2.59       2.29         5HB       4.45       2.99       2.69         5HGB       3.45       2.29       1.99         5U8/5EAB       5.55       3.49       3.19         5U8/5EAB       5.55       3.49       3.19         5U8/5EAB       5.55       3.49       3.19         5U8/5EAB       5.55       3.49       3.19         5V4GA       5.10       3.49       3.09         5V4GA       5.10       3.49       3.09         5V4GA       2.19       1.99       2.49         <
\$\frac{31/0}{516}\$ \frac{3.70}{2.49}\$ \frac{2.29}{2.29}\$ \frac{51/6}{516}\$ \frac{3.70}{2.49}\$ \frac{2.29}{2.29}\$ \frac{51/6}{51/6}\$ \frac{4.20}{4.20}\$ \frac{2.89}{2.59}\$ \frac{2.59}{51/6}\$ \frac{2.50}{4.49}\$ \frac{4.59}{4.09}\$ \frac{5.69}{51/8}\$ \frac{4.25}{4.25}\$ \frac{2.89}{2.59}\$ \frac{2.59}{51/8}\$ \frac{2.59}{51/8}\$ \frac{2.59}{4.49}\$ \frac{2.99}{2.59}\$ \frac{5.69}{51/8}\$ \frac{4.45}{4.99}\$ \frac{2.99}{2.69}\$ \frac{51/6}{51/6}\$ \frac{51/6}{51/6}\$ \frac{51/6}{3.49}\$ \frac{3.19}{3.19}\$ \frac{51/6}{51/6}\$ \frac{51/6}{3.49}\$ \frac{3.09}{3.69}\$ \frac{51/6}{3.49}\$ \frac{3.09}{3.69}\$ \frac{51/6}{3.49}\$ \frac{3.09}{3.69}\$ \frac{51/6}{3.49}\$ \frac{3.09}{2.69}\$ \frac{51/6}{3.49}\$ \frac{3.49}{2.29}\$ \frac{2.99}{3.69}\$ \frac{51/6}{3.49}\$ \frac{3.49}{2.99}\$ \frac{2.69}{2.69}\$ \frac{51/6}{3.49}\$ \frac{3.49}{4.99}\$ \frac{2.99}{4.89}\$ \frac{6.85}{6.85}\$ \frac{3.99}{3.59}\$ \frac{3.99}{6.861}\$ \frac{4.59}{6.89}\$ \frac{5.99}{6.89}\$ \frac{5.99}{6.89}\$ \frac{3.99}{6.89}\$ \frac{3.99}{6
5KDB         2.50         1.69         1.69           5KE8         7.05         4.49         4.09           5KE8         7.05         4.49         4.09           5KZ8         4.25         2.89         2.59           5LJB         4.40         2.79         2.59           5MBS         3.80         2.59         2.29           5MB         3.45         2.99         2.69           5U8/5EAB         5.55         3.49         3.19           5U9         2.95         1.99         1.79           5V3A/5AU4         4.40         2.99         2.69           5V4GA         3.40         2.19         1.99           5V4GA         3.40         2.19         1.99           5V4GA         2.45         1.69         1.49           5V3GT         3.40         2.19         1.99           5V3GT         3.40         2.19         1.99           5V3GT         3.40         2.19         1.99           5V3GT         3.49         3.99         2.69           5Z4         USE         5Y3GT         4.89         2.99         2.69           6AB         7.10         <
5KDB         2.50         1.69         1.69           5KE8         7.05         4.49         4.09           5KE8         7.05         4.49         4.09           5KZ8         4.25         2.89         2.59           5LJB         4.40         2.79         2.59           5MBS         3.80         2.59         2.29           5MB         3.45         2.99         2.69           5U8/5EAB         5.55         3.49         3.19           5U9         2.95         1.99         1.79           5V3A/5AU4         4.40         2.99         2.69           5V4GA         3.40         2.19         1.99           5V4GA         3.40         2.19         1.99           5V4GA         2.45         1.69         1.49           5V3GT         3.40         2.19         1.99           5V3GT         3.40         2.19         1.99           5V3GT         3.40         2.19         1.99           5V3GT         3.49         3.99         2.69           5Z4         USE         5Y3GT         4.89         2.99         2.69           6AB         7.10         <
SALES         7.05         4.49         4.05           5KZ8         4.25         2.89         2.59           5LJB         4.40         2.79         2.59           5MBS         3.80         2.59         2.29           5MB         3.80         2.59         2.29           5MB         4.45         2.99         2.69           5U8/5EAB         5.55         3.49         3.19           5U8/5EAB         5.55         3.49         3.19           5V4GA         3.40         2.99         2.69           5V4GA         3.40         2.19         1.99           5V4GA         3.40         2.19         1.99           5V4GA         2.45         1.69         1.49           5V4GA         2.45         1.69         1.49           5V3GT         3.40         2.29         2.09           5V3GT         3.40         2.29         2.09           5V3GT         3.40         2.29         2.09           5V3GT         3.40         2.29         2.69           5V4GA         2.45         1.69         1.49           5V4GA         2.45         1.69         1.49
5LJB         4.40         2.79         2.59           5MB8         3.65         2.49         2.19           5MKP9         3.80         2.59         2.29           5MK9         3.80         2.59         2.69           5U8/5EAB         3.45         2.29         1.99           5U9         2.95         1.99         1.79           5U9         2.95         1.99         1.79           5V3A/5AU4         4.40         2.99         2.69           5V4GA         5.10         3.49         3.09           5V8         4.15         2.79         2.49           5V3GT         3.40         2.19         1.99           5V4GA         2.45         1.69         1.49           5V4GA         3.40         2.19         1.99           5V3GT         3.40         2.19         1.99           5V3GT         3.40         2.29         2.69           5V4GA         3.40         2.29         2.69           5V3GT         3.49         3.49         3.49           5V3GT         4.79         4.29           6AB         7.10         4.79         4.29           <
5MKH9         3.80         2.59         2.29           518         4.45         2.99         2.69           5U4GB         3.45         2.29         1.99           5U9         2.95         1.99         1.79           5U3A/5AU4         4.40         2.99         2.69           5V4GA         5.10         3.49         3.09           5V8         4.15         2.79         2.49           5V3GT         3.40         2.19         1.99           5Y4GA         2.45         2.69         2.69           5Y4GT         3.40         2.19         1.99           5Y3GT         3.40         2.29         2.09           524         USE         5Y3GT         3.49         4.29           6AB         7.10         4.79         4.29           6AB         7.10         4.79         4.29           6ABB         3.85         2.59         2.39           6AC7         7.35         4.99         4.49           6AC6         5.80         3.89         3.49           6AC7         7.35         4.99         4.99           6AC7         7.35         4.99         4.9
518
Substitute
SYAY, SAU4         4.40         2.99         2.69           SYAGA         5.10         3.49         3.09           SYGT         3.70         2.49         2.29           SY3GT         3.40         2.19         1.99           SY4GA         2.45         1.69         1.49           SY4GT         3.40         2.29         2.09           523         4.45         2.99         2.69           524         USE         5Y3GT         4.79         4.29           6A8         7.10         4.79         4.29         4.89           6ABA         7.10         4.79         4.29         4.89           6ABB         3.85         2.59         2.39         3.59           6AC7         7.85         4.99         4.49         4.49           6AC10         5.80         3.89         3.49         3.49           6AF4         USE         6DZ4/6AF4A         6AF4         4.59         4.59           6AF4         USE         6DZ4/6AF4A         6AF4         5.29         2.39         2.19           6AF3         3.25         2.39         2.19         4.99         4.9         4.9         4.9
5V6GT 3.70 2.49 2.29 5V3GT 3.40 2.19 1.99 5V4GA 2.45 1.69 1.49 5V4GT 3.40 2.29 2.09 5Z3 4.45 2.99 2.69 5Z4 USE 5Y3GT 6A7 7.10 4.79 4.29 6AB4 4.00 2.69 2.49 6AB8 3.85 2.59 2.39 6AC5GT 5.85 3.99 3.59 6AC7 7.35 4.99 4.49 6AC10 5.80 3.89 3.49 6AC10 8.85 5.99 5.39 6AC7 7.55 5.09 2.49 6AC6AG 7.55 5.99 2.49 6AC7 7.35 4.99 4.49 6AC6AG 7.55 5.99 2.39 6AF3 USE 6DZ4/6AF4A 6AF6G 7.55 5.09 4.59 6AF4 USE 6DZ4/6AF4A 6AF6G 7.50 5.09 4.59 6AF1 5.20 3.49 3.19 6AC5 4.30 2.89 2.59 6AC7 7.70 5.19 4.69 6AC6 4.30 2.89 2.59 6AC7 7.70 5.19 4.69 6AC7 3.25 2.19 1.99
5X8
5Y4GA         2.45         1.69         1.49           5Y4GT         3.40         2.29         2.09           523         4.45         2.99         2.69           524         USE         5Y3GT         4.79         4.29           6A8         7.10         4.79         4.29           6ABA         7.10         4.79         4.29           6ABB         3.85         2.59         2.39           6AC7         7.55         4.99         4.49           6AC10         5.80         3.89         3.49           6AF1         4.05         2.79         2.49           6AF4         USE         6DZ4/6AF4A         6AF4           6AF4         USE         6DZ4/6AF4A         6AF3           6AF9         3.59         2.59           6AF1         5.20         3.49         3.19           6AG3         7.70         5.19         4.59           6AG1         6.00         4.99         3.9           6AG3         4.9         2.19         3.99           6AF3         3.25         2.39         2.19           6AG3         4.9         4.9         4.9 <t< td=""></t<>
524 USE 5Y3GT 6A7 8.00 5.39 4.89 6A8 7.10 4.79 4.29 6AB4 4.00 2.69 2.49 6AB8 3.85 2.59 2.39 6AC5GT 7.35 4.99 4.49 6AC10 5.80 3.89 3.49 6AC10
6AB4         4.00         2.69         2.49           6AB8         3.85         2.59         2.39           6AC5GT         5.85         3.99         3.59           6AC7         7.35         4.99         4.49           6AC10         5.80         3.89         3.49           6AD10         8.85         5.99         5.39           6AF4         USE         6D24/6AF4A         6AF4A           6AF4A         USE         6D24/6AF4A         6AF4A           6AF6G         7.55         5.09         4.59           6AF9         3.55         2.39         2.19           6AG11         5.20         3.49         3.19           6AG7         7.70         5.19         4.69           6AG7         7.70         5.19         4.69           6AG1         6.00         4.09         3.69           6AG1         6.00         4.09         3.69           6AH9         3.25         2.19         1.99           6AH6         5.80         3.89         3.49           6AH9         4.75         3.19         2.89
6AB4         4.00         2.69         2.49           6AB8         3.85         2.59         2.39           6AC5GT         5.85         3.99         3.59           6AC7         7.35         4.99         4.49           6AC10         5.80         3.89         3.49           6AD10         8.85         5.99         5.39           6AF4         USE         6D24/6AF4A         6AF4A           6AF4A         USE         6D24/6AF4A         6AF4A           6AF6G         7.55         5.09         4.59           6AF9         3.55         2.39         2.19           6AG11         5.20         3.49         3.19           6AG7         7.70         5.19         4.69           6AG7         7.70         5.19         4.69           6AG1         6.00         4.09         3.69           6AG1         6.00         4.09         3.69           6AH9         3.25         2.19         1.99           6AH6         5.80         3.89         3.49           6AH9         4.75         3.19         2.89
6AC7 7.35 4.99 4.49 6AC10 5.80 3.89 3.49 6AD10 8.85 5.99 5.39 6AF3 USE 6DZ4/6AF4A 6AF4A USE 6DZ4/6AF4A 6AF6A 0.55 5.09 4.59 6AF9 3.55 5.09 4.59 6AF11 5.20 3.49 3.19 6AF11 5.20 3.49 3.19 6AG5 4.30 2.89 2.59 6AG7 7.70 5.19 4.69 6AG6 6.25 4.19 3.79 6AG1 6.00 4.09 3.69 6AG4 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AC10 5.80 3.89 3.49 6AD10 8.85 5.99 5.39 6AF3 USE 6DZ4/6AF4A 6AF4A USE 6DZ4/6AF4A 6AF6G 7.55 5.09 4.59 6AF1 5.20 3.49 3.19 6A65 4.30 2.89 2.59 6A65 4.30 2.89 2.59 6A66 6.25 4.19 3.79 6A61 6.00 4.09 3.69 6AH4GT 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AF4 USE 6DZ4/6AF4A 6AF6G 7.55 5.09 4.59 6AF9 3.55 2.39 2.19 6A611 5.20 3.49 3.19 6A625 4.30 2.89 2.59 6A637 7.70 5.19 4.69 6A636 6.25 4.19 3.79 6A611 6.00 4.09 3.69 6A6414GT 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AF4 USE 6DZ4/6AF4A 6AF6G 7.55 5.09 4.59 6AF9 3.55 2.39 2.19 6A611 5.20 3.49 3.19 6A625 4.30 2.89 2.59 6A637 7.70 5.19 4.69 6A636 6.25 4.19 3.79 6A611 6.00 4.09 3.69 6A6414GT 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AF9 3.55 2.39 2.19 6AG1 5.20 3.49 3.19 6AG2 4.30 2.89 2.59 6AG7 7.70 5.19 4.69 6AG3 6.25 4.19 3.79 6AG1 6.00 4.09 3.69 6AH6 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AG9 6.25 4.19 3.79 6AG11 6.00 4.09 3.69 6AH4GT 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AG9 6.25 4.19 3.79 6AG11 6.00 4.09 3.69 6AH4GT 3.25 2.19 1.99 6AH6 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AH9 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AH9 5.80 3.89 3.49 6AH9 4.75 3.19 2.89
6AI8 4.00 2.69 2.49
1100 2.00 2.10
6AK5/EF95 4.75 3.19 2.89 6AK6 2.55 1.79 1.59 6AK8 3.30 2.29 1.99 6AK10 5.05 3.39 3.09 6AK3 2.60 1.79 1.49
6AK6 2.55 1.79 1.59 6AK8 3.30 2.29 1.99 6AK10 5.05 3.39 3.09 6AL3 2.60 1.79 1.49 6AL5 2.95 1.99 1.69
6AL11 6.55 4.89 4.19
6AL11 6.55 4.39 3.99 6AM4 7.20 4.89 4.39 6AM5 10.00 6.79 6.09
6AM6 10.00 6.79 6.09
615 419 369 I
6ANBA 5.50 3.49 3.19 6AO5A USE 6HG5/6AO5A
6AU6 #3.85 2.59 2.39 I
6AR5 4.35 2.99 2.69
5.90 3.99 3.59
6AR11 5.35 3.59 3.29 6AS5 4.45 2.99 2.69 6AS8 5.35 3.59 3.29
Union 0.00 0.73 3.33
6AU4GTA 5.20 3.29 2.99 6AU5GT 5.80 3.89 3.49
6AUSA 6.20 2.90 2.50
5AV5 2 95 1 90 1 60
CAV11 4 OF 2 20 0 00
6AWBA 4.90 3.39 2.99 6AX3 3.75 2.59 2.29 6AX4GTB 4.20 2.69 2.39 6AX5GT 4.35 2.99 2.69
6AX3 3.75 2.59 2.29 6AX4GTB 4.20 2.69 2.39 6AX5GT 4.35 2.99 2.69 6AX8 3.50 2.39 2.19
3.30 2.33 2.19 1

Fall-	Ja	ΙĘ	LII
Tube Ins	taller's tesale	1-5	CH 6-Up
6AY3B/6BS3A 6AY11	4.20	2.69 3.99	2.39
6AZ8	5.90 6.00	4.09	3.69
6A7 6A8	8.00 7.10	5.39 4.79	4.89
6B8	6.85	4 59	4.19
6B10 6BA3	5.30 3.05	3.59	1.89
6BA6/EF93 6BA7	3.75	3.99	2.19
6BA8A	5 20		3.19
6BA11 6BC4	5.60 5.90	3.59	2.19 3.59 3.19 3.19 3.59
6BC5/6CE5	3.75 3.60	2.59	2.29
6BC7 6BC8/6BZ8	5.35	2.49 3.49	2.19 3.09
6BD6 6BD11 6BE3/6BZ3	6.15	4.19	1.49
6BE3/6BZ3 6BE6	5.30	3.49 1.59 4.19 3.59 2.49 2.29 2.19 3.89	3.69 3.19 2.19 2.09
6BF5 6BF6	3.35	2.29	2.09
6BF11	5.35 2.35 6.15 5.30 3.80 3.35 3.25 5.75	3.89	1.99
6BG6GA 6BH3A	7.15 2.80	4.79	4.29
6BH6 6BH8	4.45	1.89 2.79	2.59
9BH11	5.85 4.70	3.99	1.69 2.59 3.59 2.69
6BJ3	4.70 3.25 4.45	2.99 2.19 2.79	1.99 2.59 1.79 2.89
6BJ7	2.95	1.99	1.79
6BJ8 6BK4B USE 6	4.75 BK4C/	SEL4A	2.89
6BK4C/6EL4A	7.85	4.99	4.49
6BK5 6BK7B	3.50 5.20	2.39 3.39 4.19	2.19
6BL7GTA 6BL8/ECF80 6BM8/ECL82	6.05 2.70 2.90	1.89	3.69 1.59
6BM8/ECL82 6BN4A	2.90 4.00	1.89 1.99 2.69	1.69
6BN6	5 10	3.39	3 00
6BN8 6BN11	4.30 5.35	3.59	2.49
6BQ5	3.90	2.49	2.29
6BQ6GTB/6CU	6.05	3.89	3.49
6BQ7A/6BZ7 6BR3/6RK19	5.35 4.55	3.49	2.79
6BR8A/6FV8A 6BS3A USE	4.55 5.20 6AY3B	3.49 /6BS3/	3.19
6BS8 6BU8	5.00	3.39	3.09 3.19
6BV8	5.55 3.30 5.40		1.99
6BV11 6BW3 USE	5.40 6CG3	3.69	3.29 6CD3
6BW4	2.75	1.89	1.69
6BW8 6BW11	4.70 5.35	3.19 3.59	3.29
6BX6 6BX7GT	3.05 6.55	2 00	1.89
6BY5GA	4.80	4.39 3.29 2.99	2.89
6BY6 6BY8	4.40 2.70		1.69
6BZ3 USE 6BZ6	6BE3/	6BZ3 2.19	1.99
6BZ7 USE 6	BQ7A/6	BZ7	1.55
6C4	3C8/6B 4.15	2 69	2.39
6C5 6C6	4.15 5.90 7.80	3.99 5.29 3.69	2.39 3.59 4.69
609	7.80 5.50 4.45	3.69	3.39
6C10 6CA4/EZ81	3.75 3.00	2.99	2.13
6CA5 6CA7/EL34	5.35	2.09 3.49	3.09
6CB5A	9.90	6.69	5.99
6CB6A/6CF6 6CD3 USE 6	3.60 CG3/60	2.29 E3/6C	2.09 D3
6CD6GA 6CE3 USE 6	7.60 CG3/60 BC5/60	5.09 E3/6C	4.59 D3
6CE5 USE 6	BC5/60 CB6A/6	CE5	garte fr
6CG3/6CE3/6C	D3	Cro	
6CG7 USE 6	4.30 FQ7/60	2.79 <b>G7</b>	2.49
6CG8A	4.80	2.99	2.79
6CH3 USE 6	4.80 CJ3/60 5.60	3.79	3.39
6CJ3/6DW4B/6	4.10		2.39
6CK3 6CK4	4.10 3.55	2.59 2.79 2.39	2.49
6CL3 USE 60	J3/6DI	N4B/60	L3

Tube Ir Type	staller's Resale	EA	CH 6-Up
6CL6 6CL8A	5.20 4.90	3.49 2.99	3.19 2.79
6CM3 6CM6	5.25	3.59	2.89
6CM7 6CM8	4.70 4.55 4.05	3.19 2.99 2.79	2.59
6CN7 6CO4 USE	5.40 6DE4	2.79 3.69	3.29
6CQ8 6CR6	4.60	2.99	2.69
6CS6 6CS7	4.10	2.79	2.49
6CU5 6CU6 USE	4.40 6BQ6GT		2.59
6CU8 6CW4	5.60 5.90 2.75	3.79 3.99 1.79	3.39
6CW5/EL86 6CX8 6CY5 6CY7	5.60 4.85	3.79 3.29 2.09	1.59 3.39 2.99 1.89
6CY7 6CZ5	3 05		1.89
6D6 6D10	5.20 7.35 4.65	4.99	3.19 4.49 2.79
6DA4A USE 6DA5	6DM4A	/ADAA	1
6DA6 6DB5	2.85 5.00	3.69 1.99 3.39 3.69	3.39 1.79 3.09
6DC8	5 40	2.39	3.29
6DE4 6DE6	3.50 4.15 3.75	2.39 2.59 2.39 3.79 3.09	2.39
6DE7 6DG6GT	4.60	3.79	2.19 2.39 2.19 3.39 2.79
6DHH13 6DJ8	7.30 4.95	4.89 2.99	2.89
6DK6 6DL4 6DL5	3.55 7.95 2.95 A 4.20 4.10	2.99 2.39 5.39 1.99	4.70
6DM4A/6DA4 6DN3	A 4.20	2.89 2.79	1.79 2.59 2.49
6DN6 6DN7	7.00 5.75	4.69	2.49 4.29 3.49
6DQ4 6D05	2.45 8.40	1.69 5.39	4.79
6DQ6B USE	6GW6/	6D06B	
6DS4	5.85 5.90 3.65	3.99 3.99 2.49	3.59 3.59 2.19
6DT5 6DT6/6DT6A	3.55	2.39	2.19
6DT8 6DV4	6.80	2.99 4.59 5DW4B	4.09
6DW4B USE	3.85	2 50	2 39
6DX8/ECL84 6DZ4/6AF4A	2.90 4.90 10.35	1.89	1.69 2.79 6.29
6DZ7 6E5 6EA4	6 40	6.99 4.29 5.49	3.89
6EA5 USE 6EA7 USE	8.20 6CY5/6 6EM7/6	EA5	4.33
6EA8	4.30 GN8/6E	2.79	2.49
6EF4 6EH4A	9.35	6.29	5.69 4.99
6EH5	4.15	2.79	2.49 2.39 2.19
6EH8 6EJ4A	3.85 3.50 9.35	6.29	5 69
6EJ7/EF184 6EL4 USE	3.50 9.35 3.55 6BK4C/6	2.29 EL4A	2.09
6EM7/6EA7	6.10	3.79	2.79 3.49
CEO7	8.45 2.95 4.65	5.69 1.99	5.09
6ER5 6ES5 6ES8 6ET7 6EU7 6EU8		1.99 3.19 1.99 3.69	2.79 1.79 3.29
6ET7 6EU7	5.45 4.00 4.40	2.69	2.49
OEAO	4.40 4.25 3.25	2.99	2.59
6EV7 6EW6	3.25	2.19	1.99
6EW7	6.50	4.39 5.09	2.19 3.99 4.59
6EY6 6EZ5	5.00	3 30	3.09
6F5	3.55 6.50 6.70	3.89 2.39 4.39	3.99
6F6 6F6GT	3.00	3.89	3.49
6F8G	8.45	5.69	5.09

JIALL	EK 3	KESALI staller's	EA	СН
Туре		Resale	1-5	6-Up
6FA7 6FD6		2.95 3.55	1.99	1.79 2.19 3.79
6FD7 6FE5		6.20	4.19	3.79
6FG5		5.35		
6FG6 6FG7		5.35 3.35 5.05	2.29	2.09
6FH5 6FH8		5.00	3.39	3.09 2.69
6F17	-	4.40 4.90	3.29 3.39 2.99 3.29	2.99
6FM7 6FM8		5.55 3.95 6GK5/6	3.49	3.19 2.39
	USE	6GK5/6	1.99 3.09	
6FQ7/ 6FS5 6FV6	6CG7	2.95 4.55 5.35	3.09	1.79 2.79 3.29
6FV6 6FV8A	USE	5.35 6BR8A/	3.59 6FV8A	3.29
6FW5	USL	4.90	3.29	2.99
6FY5 6FY7		2.75 3.50	2.39	1.69 2.19
6G11		6.00	4.09	3.69
6GB3A		5.40 3.80	3.69 2.59	3.69 3.29 2.29
6GB5 6GB6	USE	3.80 6DQ6B/	6GW6	2 20
6GC5		5.65 6.30 3.80	3.79 3.99 2.59 3.49	3.59 2.29 3.29
6GF5 6GF7A			2.59	3.29
6GH8/		3.20 6.65	3.49	1.89 3.99
6GJ5A		3.10	1.99	1.79
6GK5	6FQ5A	5.05 3.70 6AU4G	1.99 3.29 2.39	1.79 2.89 2.09
6GK6 6GK17	USE	6AU4G	TΔ	
6GK17 6GL7 6GM5		5.80 3.05 4.25 4.35 5.65 3.75	3.89 2.09 2.69 2.99	3.49 1.89
GGMG		4.25	2.69	2.49
6GM8	6EB8	5.65		3.29 2.29
6GQ7		3.75	2.59	2.29
6GS7		3.75 6.35 4.10	2.39 4.29 2.79	2.19 3.89 2.49
6GT5A	AUG 1	4.10 4.45	2.79	2.49
6GU7 6GV5		4.15	2.89	2.49
6GV8	6DQ6B	4.60	3.09	2 79
6GW8	EL86	5.35 3.05 <b>6GY6/6</b>	1.99	3.09 1.79
6GX6 6GX7	USE	5.90	3.69	3.39
6GY5	RCYR	4.60 3.50	3.09	2.79 1.99 3.09
6GY8	OUAU	5.15 2.70 5.80 5HM5/6	3.49	3.09
6GZ5 6H6 6HA5		5.80	1.89 3.89 HA5	1.69
6HA5 6HA6	USE (	<b>5HM5/6</b> 1 6HB6/6	HA5	
6HB5		5.05	3.39	3.09
6HB6/	бНАб	4.45	2.99	3.09 2.69 2.79
6HD7	4.6	3.30 1.55 8.70	2 20	
6HE5		8.70	5.59	4.99
6HF8 6HG5/	6A05A	5.90 3.70	3.99	3.05
6HG8	VAVVA	3.40	1.09 5.59 3.99 2.39 2.29 3.89	2.09 3.49 1.89
6HJ5 6HJ8		5.80 3.10 3.90		1.89
6HK5 6HL8		3.90 3.70	2.69 2.49	2.39
6HM5	6HA5	3.85 2.95	2.49	2.19
6HM6 6HQ5		5.55	1.99 3.49	1./9
6HR5		2.55 3.70	1.79	1.59
6HR6		7.75	1 00	
6HS6 6HS8		7.75 3.70 5.20	2.49 3.29 3.29 4.19	2.29
6HU6			3.29	2.99
6HU8 6HV5		7.75	5.19	3.69 4.69
6HZ5/	6JD5	7.75 3.20	5.19	4.69
<b>6HZ6</b> 6HZ8		5.50	3.69	1.89 3.39 3.09
6J5GT 6J6A	lious I	5.05	3.69 3.39 3.29 4.29 3.29	3.09 2.99
6J7		4.90 6.35	4.29	3 80
6J9 <b>6J10</b>	USE 6	4.80 Z10/6J1	U	2.89
6J11		5.75	3.89	2.89
6JB5 6JB6A		4.75 7.20	3.19	
6JC6A		4.75	2.99	2.79

## Realistic Fail-Safe Lifetime Tubes SAVE UP TO 40% OFF INSTALLER'S RESALE PRICE

	ller's   EACH	Tube   Installer's   EACH	Tube   Installer's   EACH	Tube   Installer's   EACH
Type Res	ale 1-5 6-Up	Type Resale 1-5 6-Up	Type   Resale   1-5   6-Up   8GN8/8EB8   4.15   2.79   2.49	Type   Resale   1-5   6-Up 12AT7 3.55 2.29 2.09
	.05 2.09 1.89 .75 5.19 4.69	6RP15 4.65 3.19 2.79 6RP22 9.95 6.69 5.99	8GU7 3.20 2.19 1.99	12AU6 3.85 2.39 2.19
	.60 3.09 2.79 Q6/GJE6C	6S4A 3.70 2.49 2.29 6S8GT 4.15 2.79 2.49	8JU8A 3.70 2.49 2.29 8JV8 5.05 3.39 3.09	3.10 1.99 1.79
6JE8 3	1.70 2.49 2.29 1.25 4.89 4.39	6\$A7 5.90 3.99 3.59	8KA8 5.35 3.59 3.29 8KR8 6.20 4.19 3.79	12AV5GA 5.45 3.69 3.29 12AV6 2.70 1.79 1.59
	4.49 4.49	6SA7GT 4.40 2.99 2.69 6SB7Y 5.95 3.99 3.59	8LC8 5.70 3.89 3.49	12AV7 5.35 3.59 3.29 12AW6 3.55 2.39 2.19
	1.15 2.69 2.39 5.90 3.99 3.59	6SC7 5.90 3.99 3.59 6SF5 5.00 3.39 3.09	9A8 2.65 1.69 1.59	12AW6 3.55 2.39 2.19 12AX3 3.70 2.49 2.29 12AX4GTB 3.70 2.39 2.19
6JK6 4	1.20 2.89 2.59 1.05 2.79 2.49	6SF5 5.00 3.39 3.09 6SF7 6.30 4.29 3.79 6SG7 5.60 3.79 3.39	9AH9 5.05 3.39 3.09 9AK10 5.05 3.39 3.09	12AX7A 2.80 1.79 1.59
6JM6A 6	3.30 3.99 3.59	6SH7 6.15 4.19 3.69	9AQ8 7.15 4.79 4.29	12AY3A 2.90 1.99 1.79 12AY7 6.45 4.39 3.89
6JN8 4	5.85 3.99 3.59 1.75 3.19 2.89	6SJ7 5.85 3.99 3.59 6SJ7GT 3.90 2.69 2.39	9AU7 2.95 1.99 1.79 9BJ11 5.35 3.59 3.29	12AZ7A 4.45 2.99 2.59 12B4A 4.60 3.09 2.79
	5.20 3.49 3.19 5.35 4.29 3.89	6SK7 5.90 3.99 3.59 6SK7GT 5.50 3.69 3.39	9BR7 3.15 2.19 1.89 9CL8 2.95 1.99 1.79	12BA6 3.10 1.99 1.79
6JS6B	7.85 4.99 4.49	6SL7GT 5.40 3.69 3.29	9EA8 3.05 2.09 1.89 9GH8A 4.10 2.79 2.49	12BA7 5.90 3.99 3.59 12BD6 2.35 1.59 1.49
6JT8	5.85 3.99 3.59 5.05 3.19 2.89	6SN7GTB 4.40 2.79 2.59 6SQ7 5.95 3.99 3.59	9GV8 3.40 2.29 2.09	12BE3 4.20 2.89 2.59 12BE6 3.40 2.29 1.99
	6.95 4.69 4.19 4.75 2.99 2.79	6SQ7GT 4.00 2.69 2.49 6SR7 4.90 3.29 2.99	9JW8 3.90 2.69 2.39 9KC6 4.35 2.99 2.69	12BF6 3.05 2.09 1.89
6JV8	5.05 3.39 2.09 3.10 1.99 1.79	6T4 5.15 3.49 3.09	9KX6 4.15 2.79 2.49 9KZ8 2.95 1.99 1.79	12BF11 6.65 4.49 3.99 12BH7A 4.30 2.79 2.49
6JY8	7.30 4.89 4.39	6T9 4.40 2.99 2.69	9LA6 4.20 2.89 2.59	12BK5 3.75 2.59 2.29 12BL6 4.25 2.89 2.59
6JZ8	4.65 3.19 2.79 4.45 2.99 2.69	6T10 5.90 3.99 3.59 6U5 7.40 4.99 4.49	9MHH3 4.15 2.79 2.49 9MN8 4.45 2.99 2.69	12BN6 3.65 2.49 2.19 12BQ6GTB/
	4.00 2.69 2.49 5.90 3.99 3.59	6U8A/6KD8 3.90 2.49 2.29	9MP12 4.30 2.89 2.59 9RA6 7.65 5.19 4.59	1 12016 4.45 2.99 2.69
6K8	7.70 5.19 4.69	6U10 4.45 2.99 2.69	9RA11 USE 10DE7/9RA11	12BR3 4.25 2.89 2.59 12BR7 3.05 2.09 1.89
6KA8	4.45 2.99 2.69 5.35 3.39 3.09	6V3A 4.55 3.09 2.79 6V4 1.50 1.09 .99	9U8A 3.10 2.09 1.89	12BS3A 3.70 2.49 2.29 12BT3 3.45 2.39 2.09
	8.85 5.99 5.39 8A/6KD8	6V6 7.40 4.99 4.49 6V6GTA 4.90 2.99 2.79	10AL11 4.55 3.09 2.79 10B05 2.75 1.89 1.69	12BV7 USE 12BY7A/12BV7
6KE8	6.70 3.99 3.89 9.80 6.59 5.89	6W4GT/ 6W4GTA 3.30 2.29 1.99	10C8 6.05 4.09 3.69 10CW5 2.55 1.69 1.49	12BV11 4.80 3.29 2.89 12BW4 3.35 2.24 2.09
6KL8	2.95 1.99 1.79	6W6GT 4.60 3.09 2.79	10DE7 5.40 3.39 3.09	12BY7A/ 12BV7 4.15 2.69 2.49
6KM8	8.85 5.49 5.09 3.45 2.39 2.09	6X4 3.75 2.39 2.19 6X5GT 3.95 2.69 2.39	10DR7 4.45 2.99 2.69 10DX8 2.75 1.89 1.69	12BZ6 2.40 1.69 1.49
6KN6	8.00 5.39 4.89 7.40 4.99 4.49	6X8A 4.45 2.99 2.69	10EG7 4.35 2.99 2.69 10EM7 4.90 3.29 2.99	12C5 USE 12CU5/12C5
6KR8	4.25 2.89 2.59	6Y6GA/6Y6G 4.95 3.39 2.99	10EW7 5.30 3.59 3.19	12CA5 4.60 3.09 2.79 12CL3 3.50 2.39 2.19
6KT6	4.90 3.29 2.99	6Y6GT 4.95 3.39 2.99 6Y9 2.95 1.99 1.69	10GF7A 5.45 3.69 3.29 10GK6 4.50 3.09 2.79	12CN5 3.25 2.19 1.99 12CR6 2.95 1.99 1.79
6KU8	5.90 3.69 3.39 4.80 3.29 2.89	6Z4 5.20 3.49 3.19 6Z10/6J10 6.65 3.99 3.79	10GN8 5.50 3.49 3.19 10GV8 4.30 2.89 2.59	12CT3 3.25 2.19 1.99
	7.30 4.89 4.39 6.55 4.39 3.99	7A7 7.15 4.79 4.29	10HF8 5.90 3.99 3.59	12CT8 6.40 4.29 3.89 12CU5/12C5 4.75 2.99 2.79
6KY8A	8.15 5.49 4.89	7A8 7.80 5.29 4.69 7AU7 3.10 2.09 1.89	10JA8/10LZ8 4.90 3.29 2.99	12CU6 USE 12BQ6GTB/12CU6 12CX6 2.75 1.89 1.69
6L6GC	6.55 3.99 3.79	7B5 8.35 5.59 5.09 7B7 7.65 5.19 4.59	10JT8 4.70 3.19 2.89 10JY8 4.35 2.99 2.69 10KR8 4.70 3.19 2.89	12D4 3.05 2.09 1.89 12DB5 2.60 1.79 1.59
6LB6	6.95 4.69 4.19 8.85 5.49 5.19	787 7.65 5.19 4.59 7C5 4.70 3.19 2.89 7C7 3.40 2.29 2.09	10KR8 4.70 3.19 2.89 10KU8 4.85 3.29 2.99	12DE8 3.10 2.09 1.89
6LB8	4.70 3.19 2.89 J6A/6LH6A	7EY6 3.70 2.45 2.29	10LB8 5.90 3.99 3.59	12DK6 2.30 1.59 1.39 12DQ6B USE 12GW6/12DQ6
6LC8	5.70 3.89 3.49 6.55 4.39 3.99	7F7 7.50 5.09 4.59 7F8 8.25 5.59 4.99	10LE8 5.90 3.99 3.59 10LW8 5.30 3.59 3.19	12DQ7 USE 12BY7A/12BV7 12DS7 5.40 3.69 3.29
6LF6	8.45 5.69 5.09	7GS7 4.70 2.99 2.69 7GV7 3.90 2.69 2.39	10LY8 3.90 2.69 2.39 10LZ8 USE 10JA8/10LZ8	12DT5 3.40 2.29 2.09
6LH6A USE 6	5.65 3.59 3.29 LJ6A/6LH6A	7HG8 2.75 1.89 1.69	10T10 5.35 3.59 3.29 10Z10 6.15 4.19 3.69	12DU7 4.40 2.99 2.69
6LJ6 USE 6LJ 6LJ6A/6LH6A	6A/6LH6A 8.30 5.59 4.99	7MP18 5.30 3.59 3.19	11AF9 6.15 4.19 3.69	12DW4A 5.45 3.39 3.19 12DW7 3.05 2.09 1.89
6LJ8 6LM8	5.20 3.49 3.19 5.35 3.39 3.09	7N7 7.10 4.79 4.29 7V7 4.65 3.19 2.79	11AR11 5.35 3.59 3.29 11BM8 5.85 3.59 3.39	12DY8 7.95 5.39 4.79 12DZ6 3.60 2.49 2.19
6LN8	2.40 1.69 1.39	7X7 7.65 5.19 4.59 8A8 USE 9A8	11BQ11 5.35 3.59 3.29 11BT11 6.50 4.39 3.99	12EA6 USE 12EK6/12DZ6
	8.80 5.49 5.09 6.30 4.29 3.79	8AC9 4.15 2.79 2.49	11CA11 7.50 5.09 4.59	12ED5 2.70 1.89 1.60 12EG6 3.45 2.39 2.00
6LR6	8.85 5.99 5.39 4.75 3.19 2.89	8AC10 5.05 3.39 3.09 8AL9 8.15 5.49 4.89	11CY7 4.65 3.19 2.79	12EK6 3.60 2.49 2.1
6LT8	4.75 2.99 2.79	8AR11 5.35 3.59 3.29	11DS5 4.60 3.09 2.79 11FY7 3.70 2.49 2.29 11HM7 5.85 3.99 3.59	12576 3 55 2 39 2 1
6LX8	2.60 1.69 1.49	8AW8A 5.85 3.69 3.39 8B8 5.45 3.69 3.29 8B10 4.40 2.99 2.69 8BA8A 3.45 2.39 2.09	11HM7 5.85 3.99 3.59 11JE8 3.85 2.59 2.39	12EZ6 3.55 2.39 2.1 12F8 3.25 2.19 1.9 12FK6 2.55 1.79 1.5 12FM6 2.60 1.79 1.5 12FQ7 3.70 2.49 2.2
6M11	2.60 1.69 1.49 4.45 2.99 2.69 5.80 3.89 3.49	8810 4.40 2.99 2.69	11KV8 6.50 3.99 3.79	12FM6 2.60 1.79 1.5 12FQ7 3.70 2.49 2.2
6MRR	3.65 2.49 2.19 5.80 3.89 3.49	8BA11 6.05 4.09 3.69	11LQ8 6.50 4.39 3.99 11LT8 4.00 2.69 2.49	12FQ8 5.20 3.49 3.1 12FV7 3.40 2.29 2.0
6MD8 6ME8 6MF8	6.20 3.99 3.59 4.75 3.19 2.89	8BH8 3.35 2.29 2.09	11102 / 400 329 299	12FX5 3.70 2.49 2.2
6MG8	2.45 1.69 1.49	8BM11 4.70 3.19 2.89 8BN8 3.70 2.49 2.29 8BN11 4.35 2.99 2.69	11Y9 3.70 2.49 2.29	
6MHH3	4.45 2.99 2.69 5.05 3.39 3.09	1 8BO5 4.40 2.99 2.69	12AB5 4.55 3.09 2.79 12AC6 2.10 1.49 1.29	12GA6 USE 12AD6/6GA6 12GB3 9.35 6.29 5.6 12GB7 USE 12DQ6/12GW6 12GC6 4.35 2.99 2.6
6MJ8 6MK8 6ML8	4.90 3.29 2.99 2.95 1.99 1.79	8B011 4.75 3.19 2.89 8BU11 5.00 3.39 3.09	12AC10A 5.05 3.39 3.09 12AD6/12GA6 4.05 2.79 2.49	12GC6 4.35 2.99 2.6 12GE5 5.90 3.99 3.5
6ML8	5.30 3.59 3.19	8CG7 USE 8FQ7/8CG7	12AE6A 3.10 2.09 1.89	12GE5 5.90 3.99 3:5 12GJ5A 4.90 3.29 2.9
6MU8	5.90 3.99 3.59	8CM7 2.70 1.89 1.69	12AE10 3.10 2.09 1.89 12AF3/12BR3/ 12RK19 4.25 2.89 2.59 12AF6 3.15 2.19 1.89 12AJ6 2.40 1.69 1.49 12AJ7 6.50 4.39 3.99	12GN7A 5.65 3.49 3.2
6MV8 6N7	5.40 3.69 3.29 5.05 3.39 3.09	8CN7 3.05 2.09 1.89	12RK19 4.25 2.89 2.59 12AF6 3.15 2.19 1.89	12GW6/ *
6N7GT	5.90 3.99 3.59 5.90 3.99 3.59	8CW5 2.55 1.79 1.59	12AJ6 2.40 1.69 1.49 12AJ7 6.50 4.39 3.99	12DQ6B 5.35 3.39 3.0 12H6 4.45 2.99 2.6
	(11/6Q11	I RERR LISE RGNR/RERR	12ALD 3.30 2.33 2.13	12HE7 6.80 4.59 4.0
6RHH2 6RHH8 6RK19 USE 6	5.35 3.59 3.29 7.40 4.99 4.49	8EM5 4.10 2.79 2.49 8ET7 4.15 2.79 2.49	- 12AL8 6.15 4.19 3.69 12AL11 5.65 3.79 3.39 12AQ5 3.85 2.59 2.39 12AT6 3.25 1.99 1.89	12HI7 5.35 3.39 3.0
	5BR3/6RK19	8F07/8CG7 3.25 1.99 1.89	12AQ5 3.85 2.59 2.39 12AT6 3.25 1.99 1.89	12J5GT 4.80 3.29 2.8 12J8 4.35 2.99 2.6
78		8GJ7 2.90 1.99 1.79	12AT6 3.25 1.99 1.89	1 1218 4.35 2.99 2.6

## Realistic Fail-Safe Lifetime Tubes SAVE UP TO 40% OFF INSTALLER'S RESALE PRICE

Tube   In:	staller's	EAC	ЭН
	Resale 6.95	4.69	6-Up 4.19
12JN6 12JN8	3.90	2.69	2.39
12JQ6 12JT6A	3.70 4.45 4.95	2.49 2.99 3.39 2.39 4.49	2.69
12JZ8 12K5	3.55 3.45	2.39	2.19
12K7GT 12KL8	6.60	4.49	3.99
12L6GT 12MD8	2.45 3.55 4.85	1.69 2.39 3.29	1.49 2.19 2.99
12R5	3.35	2.29	2.09
12RK19/12BR	4.25	2.89	2.59 3.59
12SA7 12SA7GT 12SC7	5.90 4.90 5.20	3.99 3.29	3.59 2.99
12SC7 12SF5 12SF7		3.49 2.59 4.19 3.19 3.69	3.59 2.99 3.19 2.39 3.79 2.89 3.29
12SF/ 12SG7	6.20 4.70	3.19	2.89
12SG7 12SG7 12SH7 12SJ7	4.30	3.69 2.89	2.59
12SK7 12SK7GT		3.59	3.19 2.69 2.99 2.99 3.39
12SL7GT 12SN7GTA	4.45 4.95 4.90 5.50	2.99 3.39 3.29	2.99
1250/61		3.09	3.39 2.59 3.59
12T10	5.90 2.50 5.20	2.79 3.99 1.69	3.59
12U7 12V6GT 12W6GT	5.20 4.65	3.49	1.59 3.19 2.79
12X4	2.25 5.90 5.90	1.59	1.39 3.59 3.59 3.49 3.89
13CW4 13DE7 13DR7	5.90	1.59 3.99 3.99	3.59
13EM7/15EA7	5.70 6.45 5.90	3.89 4.39	3.49
13EM7/15EA7 13ED7 13FM7/15FM7 13GB5	4.45	3.99 2.99	2.69
13GF7A	4.35 5.70 3Z10/1	2.99 3.89	2.69 3.49
12170	5.05	3.39	3.09
13V10 13Z10/13J10 14BL11	6.65 7.10 7.30	4.49 4.79 4.89	3.99 4.29 4.39
TADIVIT	5.80	3.89	4.39 3.49 2.09
14GT8 14JG8	3.45	2.39	2.09 1.89 2.89
15AF11 15BD11/15BD	4./5	3.19	
15CW5	5.30 2.45	3.59 1.59	3.19
15DQ8 15EA7 USE 1	3.40 3EM7/1	2.29 SEA7	2.09
15FM7 USE 15FY7	13FM7/	15FM7 2.69	2.39
15KY8A 15LE8	7.65	5.19	2.39 3.99 4.59
15MF8 16A8	5.10 3.40	3.49	3.09
16AK9 16AQ3	6.80 2.70	4.59	4.09 1.69
16BQ11 16BX11	5.35 6.20	3.59 4.19	3.29 3.79
16GK6 16GY5	3.05 4.85	2.09	1.89
16KA6 16LU8A	6.25 7.25 5.90	4.19	3.79 4.39 3.59
17A8 17AB9	5.90 6.05	3.99 4.09	3.59 3.69
17AB10/17X1	0		
17AX3	6.65 2.60	4.49 1.79	3.99
17AX4GTA 17AY3A/17BS		2.49	2.29
17BB14	4.20 10.45	2.69 7.09	2.39 6.29
17BE3/17BZ3	4.20	2.89	2.59

Tube  I	nstaller's		
Туре	Resale	1-5	
17BF11	6.65	3.99	3.79
17BH3 17BQ6GTB	2.85	1.99	1.79
17BR3	5.20 3.70	2.39	3.19 2.19
17BS3A US	E 17AY3/	1/1/RS	3A
17BW3	3.20	2.19	1.99
17BZ3 USE 17C5 USE	17BE3/1 17CU5/17	/BZ3	
17C9	7.15	4.79	4.29
17CK3	7.15 3.55	2.39	2.19
17CT3	3./0	2.49	2.29
1 <b>7CU5/17C5</b> 17D4	3.70 4.45	2.39	2.19
17DE4	3.65	2.49	2.19
17DM4A	4.05		2 40
17DQ6B US			6B
17DW4A 17EW8	4.20	2.69 1.89	2.39
17GE5	2.75 4.35	2.99	1.69 2.69
17GJ5/ 17GJ	15A		
170TE / 120	6.65	4.49	3.99
17GT5/17G	6.65	4.49	3.99
17GV5	4.20	2.89	2.59
17GW6/ 17D	006B		
7Н3	6.45 3.70 8.20	3.99	2.29
17HB25	8.20	5.49	4.99
17JB6/17JB	6A		
	5.85	3.99	3.59
L7JF6	7.40 6.30	4.99	4.49
l7JG6A l7JK8	4.05	4.29	3.79
17JM6/17JN	AAN		
TINE	6,65 5.90 5.20 6.20 5.25	4.49	3.99
17JN6 17JQ6	5.90	3.99	3.09
17JT6A	6.20	4.19	3.19 3.79 2.99
17J <b>Z</b> 8	5.25	3.49 4.19 3.29	2.99
17KV6/17K	V6A 8.60		5.19
17LD USE	15KY8A/	5.79 17LD	5.19
17RK19 US			1000
17Y10 HEE	17AR10	/17X10	
17Z3 18AJ10	4.40	2.99 3.99	2.69 3.59
18A5	4.40 5.90 5.20	3.49	3.59
18A5 18FW6/18FV	N6A	V.74	V.14
	2.45	1.69	1.49
18FX6/18FX	6A 2.95	1.99	1.79
18FY6/ 18FY	76A 2.95 5.15	1.99	1.79
18GB5 18GD6/ 18G	D6A	3.49	3.09
	2.95	1.99	1.79
18GV8	4.65	3.19	2 79
18RAL1 19AU4GTA	5.80 4.35	3 X4	3.49
19AU4GTA 19BG6GA	6.65	2.99	3.00
19CG3	4.20	2.89	3.49 2.69 3.99 2.59
19CL8A USI	E 19JN8/	19CL8/	
19DE3	4.50	3.09	2.79 2.69 2.79
19EA8	4.45 4.50	2.99 3.09	2.09
9F78	4.45	2.99	2.69
19EZ8 19FX5	4.40		
19FX5		2.59	2.29
19FX5 19GQ7 19HR6	3.80	2.59 1.69	2.29 1.49
19FX5 19GQ7 19HR6 19HS6	3.80	1.69	1.49
19FX5 19GQ7 19HR6 19HS6 19HV8	3.80 2.45 2.40 4.70	1.69 1.69 3.19	1.49 1.49 2.89
19FX5 19GQ7 19HR6 19HS6 19HV8 19J6	3.80 2.45 2.40 4.70 3.70	1.69 1.69 3.19 2.49	1.49 1.49 2.89 2.29
19FX5 19GQ7 19HR6 19HS6 19HV8 19J6	3.80 2.45 2.40 4.70 3.70	1.69 1.69 3.19 2.49	1.49 1.49 2.89 2.29
19FX5 19GQ7 19HR6 19HS6 19HS8 19J6 19JN8/19CL	3.80 2.45 2.40 4.70 3.70 8A 3.20 3.10	1.69 1.69 3.19 2.49 2.19 2.09	1.49 1.49 2.89 2.29 1.99 1.89
19FX5 19GQ7 19HR6 19HS6 19HV8 19J6 19JN8/19CL 19KG8 19MR9 USE	3.80 2.45 2.40 4.70 3.70 8A 3.20 3.10 18FW6A	1.69 1.69 3.19 2.49 2.19 2.09 /19MR	1.49 1.49 2.89 2.29 1.99 1.89
19FX5 19GQ7 19HR6 19HS6 19HV8 19J06 19JN8/19CL 19KG8 19MR9 USE 19Q9	3.80 2.45 2.40 4.70 3.70 8A 3.20 3.10	1.69 1.69 3.19 2.49 2.19 2.09	1.49 1.49 2.89 2.29 1.99 1.89
19EZ8 19FX5 19GQ7 19HR6 19HR6 19HS6 19HV8 19J6 19JN8/19CL 19KG8 19MR9 19Q9 19Q9 19T8	3.80 2.45 2.40 4.70 3.70 8A 3.20 3.10 18FW6A 3.05 5.90	1.69 1.69 3.19 2.49 2.19 2.09 /19MR: 2.09 3.69	1.49 1.49 2.89 2.29 1.99 1.89 9 1.89 3.39 2.49
19FX5 19GQ7 19HR6 19HS6 19HV8 19J06 19JN8/19CL 19KG8 19MR9 USE 19Q9	3.80 2.45 2.40 4.70 3.70 8A 3.20 3.10 18FW6A 3.05	1.69 1.69 3.19 2.49 2.19 2.09 /19MR 2.09	1.49 1.49 2.89 2.29 1.99 1.89 9 1.89 3.39

Tube Ins	taller's lesale	EAC	CH .
20LF6 21GY5	8.50 4.65	5.69 2.99	5.19 2.69
21HB5A 21JS6/23JS6A	5.90	3.99	3.59
21JV6 21JZ6	4.65	3.19	7.69
21KA6 21K06	4.45 12.75	2.99	2.79 2.99 2.69
21LG6/21LG6	Δ	8.59	7.03
21LR8	8.95 4.75	5.99 2.99	5.39 2.79
21LU8 22BH3/ 22BH3		3.19	2.89
22BW3	3.70 4.45	2.49	2.29 2.69 2.89
22BW3 22DE4 22JF6A	4.75 7.70	3.19	4.39
22JG6/ 22JG6/	6.75	4.59	4.09
22JR6 22JU6	6.80	4.59	4.09
22KM6 22KV6A	8.85 7.85	5.99 5.29	5.39 4.79
23JS6A USE 2	21JS6A,	23156	1
24BF11	4.70 5.20 24LQ6/	2.99 3.49 24JE6C	2.69 3.19
24JZ8 24LQ6/24JE60	4.50	3.09	2.79
25AV5GA	8.80 5.65	5.89	5.29
25AX4GT 25BK5	3.05	5.89 3.79 2.09 2.29	5.29 3.39 1.89 2.09
25BQ6GTB/ 25	CU6	2.99	
25C5	4.40	2.79	2.69
25CA5 25CD6GB	3.60 6.40	2.49 4.29	2.19 3.89
25CG3 25CK3	3.40 3.40	2.29	2.09
25CA5 25CD6GB 25CG3 25CK3 25CT3 25CT3 25CU6 USE 2	3.40 3.40 2.95 5BQ6G	4.29 2.29 2.29 1.99 TB/25C	1.79 U6
25DL3	5.50	3.69	3.39
25DN6 25E5	6.60	4.49	3.99
25EC6 25FH5	6.15	4.49 4.19 2.99 2.59 3.49 3.89	3 60
25F5A		2.59	2.69 2.39 3.19
25HX5 25JZ8 25L6GT	5.20 5.80 5.20	3.89	
25W4GT 25W6GT USE	5.20 3.70 25L6G	2.49	2.99
25Z6GT	3.85	2.59	2.39
26DQ5 26HU2	10.50 12.05	7.09 8.09	6.39 7.29 5.79 3.09 2.29 2.19
26LX6 27	9.50	6.39	3.09
27GB5 29GK6	3.70 3.60 11.75	3.49 2.49 2.49	2.19 7.09
29KQ6 29LE6	5.90	3 99	3 59
30A5 30AE3	3.20 3.25	2.19	1.99
30AG11 30JZ6	6.45	4.39	3.89 3.69
30KD6	8.10 6.35 7.65	5.49 4.29 5.19	4.89
31AL10 31JS6C 31LQ6	7.65	5.19	5.29
31LR8	10.05	5.89 6.79 1.69	6.09
32HQ7 33GT7	2.40 7.70 7.40	5.19	1.49 4.69 4.49
33GY7/ 33GY7	Δ	0.810.3	
33JR6	6.95 6.20 4.65	4.39	3.99
33JR6 33JV6 34CE3/34CD3	4.65	4.39 4.19 3.09 2.99	2.79 2.69

STALLER'S	RESALE	PRI	CE
Tube Type	Installer's Resale	EA	CH 6-Up
34GD5/34G	D5A	1000	
34R3	2.95 7.00	1.99 4.69	1.79 4.29
35B5	3.20	2.19	1.99
35C5 35EH5	3.85 4.45	2.49	2.19
35GL6 35HB8		1.99 2.89 3.29 5.99	2.69 1.79 2.59 2.99
35L6GT	4.90	3.29	2.99
35LR6 35W4	2.90 4.25 4.90 8.85 2.25	1.49	1.29
35Y4	4.50	3.09 3.19	2.79
35Z3 35Z4GT	4.70 2.55	1.79	
35Z5GT 36AM3B	3.40 3.25	1.79 2.19 2.19	1.99
36KD6/ 40I	KD6		
38HE7	8.85 8.00	5.99 4.99	5.39 4.59
38HK7 40B2	8.00 7.95 36KD6/40	5.39	4.89
40KD6 USE	36KD6/4	OKD6	7.75
40KG6A	10.05	6.79 3.29 3.29 5.39 4.89	6.09 2.99
42 42EC4A	4.85 4.90	3.29	2.99
42KN6 43	8 00	5.39 4.89	4.89
43 45B5 50A1	7.20 2.80 6.80	1.89 4.59 3.99	1.69 4.09 3.59 1.79 2.69
50A5 50B5	5.85	3.99	3.59
50B5 50BM8	5.85 2.95 4.35	1.99 2.99	2.69
50C5	3 50	2 20	1.99
50DC4 50EH5	2.40 3.90	1.69 2.49 2.99	2.29
50FE5 50FK5	4.45 2.20	2.99	2.69
50GY7A 50HC6	9.90	1.49 6.69	1.49 2.29 2.69 1.39 5.99 2.19 1.29
50HC6	9.90 3.55 2.15 2.75 7.00	1 49	2.19
50HK6 50HN5	2.75	1.89	
50JY6 50L6GT	5.65	4.69 3.49	4.29
50X6	5.85	3.99	3.29 3.59 2.69 2.59 5.09
50Y6GT 50Y7GT	4.35	2.89	2.59
53HK/	5.85 4.35 4.25 8.35 5.35 2.95 5.05 4.80	3.99 2.99 2.89 5.59 3.59 1.99 3.39 3.29	3.29 1.79 3.09 2.89 3.19
5879 60FX5	2.95	1.99	1.79
6973 80	4.80	3.39	2.89
84/6Z4		9.89	3.19
117L//M/G	12.85	8.60	8.89 7.79
117P7GT	12.85	8.60 8.60 3.09	7.79 7.79 2.79 4.09
117L7/M7G 117N7GT 117P7GT 117Z3 117Z6GT	T 14.75 12.85 12.85 4.50 6.70	4.49	4.09
5687	6.15	2.79 4.19 2.89	2.49 3.69 2.59 3.29 1.69
5751 5879	5.35	2.89 3.59	2.59
6267	4.10 6.15 4.20 5.35 2.80	1.89	1.69
6973 6922 6931 <b>7025</b> 7027A	5.05 6.85	3.39 4.59 2.29 1.79 4.99	3.09 4.09 2.09
6931	6.85 3.40 2.80	2.29	2.09
7025 7027A	7.40	4.99	4.49
7189A 7199			2.19
7247	4.05	2.79	1.69
7355 7408	3.65 3.20	2.99 2.79 2.49 2.19	1.99
7543	3 25	2 19	1.99
7581A 7591A	2.80	1.79	3.69 1.59
7687 7695	4.55 4.40	4.19 1.79 3.09 2.99 2.99	2.79
7868 8417	6.15 2.80 4.55 4.40 4.75 5.65	2.99	1.59 2.79 2.69 2.79 3.39
041/	5.05	3./9	3.39
	at the same		



## Realistic Lifetime Guaranteed AC/DC 5-Tube Package

685

Two Packages For Only **995**  

## Transistor Bargains for Experimenters & Builders

## -ARCHER- REPLACEMENT TRANSISTORS



#### PNP TYPES

#### MIXER OSCILLATOR CONVERTER

Converter produces intermediate frequency, from incoming radio frequency on AM receiver prior to amplification. Replaces: 2N-414/417; 2N499/504; 2N534/35; 2N544; 2N-588A; 2N624; 2N680.

276-101. Ship. wt. 3 oz. ........

#### GENERAL-PURPOSE AF AMPLIFIER

General-purpose type for audio frequency amplifiers. Use in radios, preamps, low level audio output. Replaces: 2N36/38A, 2N104/107; 2N186/190; 2N196/200; 2N262 and 2N-271 

### GENERAL-PURPOSE AF AMPLIFIER

Audio frequency amplifier, general-purpose type. For use in radios, preamps, low level output circuit banks. Replaces: 2N39/43; 2N-49/51; 2N59/62; 2N191/192; 2N217/220; 2N-22/22/22. 223/227. 276-103. Ship. wt. 3 oz. .....89¢

#### POWER AUDIO AMPLIFIER

#### **AUDIO GENERAL PURPOSE**

Produces low-level audio output for preamps, radios. Mixer oscillator, RF and IF (AM), IF (FM). Replaces transistor types: 2N858/865; 2N923/928; 2N935/946; 2N978; 2N981; 2N-995/996. 276-110. Ship. wt. 3 oz. ......89¢

#### NPN TYPES

**AUDIO FREQUENCY AMPLIFIER** 

General purpose transistor designed for use in car radios, preamps, low level output. Also excellent for experimentation. Replaces types: N97/100; 2N124/127; 2N145/150; 2N164/169; 2N183/184. 276-104. Ship. wt. 3 oz. ......89¢

#### **GENERAL-PURPOSE AUDIO**

Will serve as mixer/oscillator for RF and intermediate AM radio frequencies. Can be electronically adapted for a large number of experimental projects. Replaces transistor types: 2N470/480; 2N546/552; 2N701/709; 2N742/743. 276-107. Ship. wt. 3 oz. ......89¢

#### HIGH-GAIN AUDIO

General-purpose audio or switching transistor. Provides mixer/oscillator function at AM radio frequencies producing the intermediate (IF) frequency. Serves as RF amp. Replaces transistor types: 2N2931/2935; 2N3395/3398; 2N3402/3405; 2N3606.

#### HIGH-FREQUENCY MULTI-FUNCTION

#### HIGH-POWER AUDIO OUTPUT

Popular silicon power type. Rated at 15 amps. 70 watts. Ideal for audio output stages, stereos, PA systems, bull horns, intercoms. Plastic tab case. Similar to 2N3055. Interchange with TO-3 case. Data sheet. 

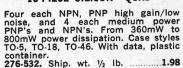
## TRANSISTOR "QUAD-PACK" SPECIALS



### 24-PIECE EPOXY "QUAD"

Includes 6 each NPN and PNP high frequency, low noise transistors, and 6 each NPN and PNP medium power general purpose audio transistors. 276-530. Ship. wt. ½ lb. ................1.98

### 16-PIECE SILICON "QUAD"



#### 40-PIECE "TWIN-PACK"

Assortment of plastic-housed transistors may include FET's, TO-1, TO-9, TO-18 and other cases. Types: CK-722, 2N107, 2N170, etc. RF and audio uses. (Untested.)

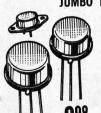
## **30-WATT AUDIO POWER TRANSISTORS**



0

Complimentary Pair of PNP & NPN Types

### JUMBO TRANSISTOR SURPRISE PACK!



0

- Silicon
   Audio
   Germanium
- Plastic
   RF
   PNP and NPN
- High Gain
   All U.S. Made

One of the widest assortments available — less than 4¢ each! Includes high frequency, high power types — FET's, duals, Darlingtons & differential amplifiers. Case styles include T0-92, T0-98, T0-5 plastic, plus many metal cases. Use for handy replacement, or perform transistor projects. Made by Raytheon, G.E., etc. (Untested.) 100 Pieces 276-544. Ship. wt. 1½ lbs........3.98

### "N" CHANNEL FIELD EFFECT TRANSISTORS

• High Impedance Input • Low Noise, High Gain • Similar Characteristics to Pentode Vacuum Tube SILICON JUNCTION FET

## SILICON DUAL INSULATED GATE

MOSFET. Features 2 channels in a series arrangement. High power gain of 35 dB at 44 MHz. Provides high isolation between RF and mixers. 10 kilohms. 



Thousands of applications where pentode tubes are used in low-level circuits as field strength meters, flea power transmitters, etc. 300-1200 µohms. TO-5 case. 



Now Over 1000 Allied Radio Shack Stores Coast to Coast and Alaska

## Integrated Circuit Specials for the Experimenter!



DUAL IN-LINE TTL TYPES

### **TOP QUALITY AT LOW PRICES!** MADE BY FAMOUS MANUFACTURERS!

Great selection of popular integrated circuits-a low-cost opportunity to explore the new realm of micro-circuitry. All are guaranteed 100% electronically and mechanically and are complete with diagrams and specs.



TO-5 CASE RTL TYPES

Dual J-K Master/Slave Flip-Flop. Provides control pulse or can be controlled by external pulse. 7473/8501 series for high speed control and counting. 14-pin package. VCC is 7 volt max. 5.5 volts input. Fan-out, 10. 

and up

Quad Two-Input NAND Gate. 7400/8000 series with high noise immunity, low input impedance. 14-pin package. VCC. 7 volts max. 5.5 volt input. Fan-out, 10. 276-020. Ship. wt. 2 oz. 99¢

Dual J-K Master/Slave Flip-Flop. 7476/8500 series. For high-speed control, counting, alarm circuits. Noise immunity, 1 V 5.5 V input, Fan-out, 10. 45 mW power dissipation per flip-flop. Features PRE-SET & CLEAR inputs. power 

Fairchild 900 Buffer. Reliable low-impedance driver. Isolates oscillator stage for better stability. Prevents interaction between stages. VCC, 3.6 V. 12 nanosecond propagation delay. 15-55° temp. range. For digital circuits. 276-018. Ship. wt. 3 oz. 1.49

Fairchild UL923 J-K Flip-Flop. Provides alternate conductance and non-conductance of two opposing stages. Use in digital control applications. 8 lead TO-5 case. 276-023. Ship. wt. 4 oz. 1.29

709C Operational Amplifier. For linear circuits, analog computers, relay drivers, etc. 250 mW power dissipation. 9-15 volts. 8-pin TO-5 case. 15 transistors, 15 resistors. 

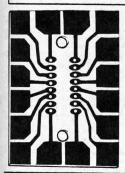
741C Operational Amplifier. Frequency compensated version of 709C. High gain, wide bandwidth and low DC offset. Use in telemetry, instrumentation, data processing. 500 mW power diss. 15-V input. 8-pin TO-5 case. 276-010. Ship. wt. 3 oz. 1.59

## 1-WATT IC AUDIO AMPLIFIER WITH SPEAKER-DRIVING CAPABILITY

Audio amplifier Type TAA300 contains 11 transistors, 14 resistors, 5 diodes that deliver 1 watt of audio power either directly into an 8 ohm speaker or to an amplifier for further power boost. Features high gain and low power consumption for highly efficient operation. 1 watt rating is ideal for phono, radio, and TV amplifiers, speech amplifiers, low-power hi-fi

systems. Perfect for use anywhere low-power amplification must be provided with minimum occupation of space. Integrated circuit is mounted in TO-5 package with 10 leads. Operates from power provided by 9-volt battery (not included). Input impedance, 10,000 ohms. 30-15.000 Hz. response. 





### EXPERIMENTER'S IC SOCKET ADAPTERS

#### **DUAL IN-LINE**

- For 14 and 16-Pin Integrated Circuits
- Mounts Easily on Any Chassis

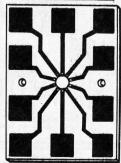
### YOUR CHOICE

Set of 2

### TO-5 TYPE

- For Any 8-10 Pin Integrated Circuits
- Great for Checking and Testing IC's

Ideal for hobbyist and builder. Lets you check voltage and current with IC in circuit. Copper clad, 1½ x2½x½x¼². 1½ " ctrs. 276-028. 2 oz. .........2/99\$



#### JUMBO INTEGRATED CIRCUIT ASSORTMENTS

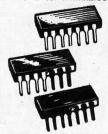
shop. (Untested.) 276-602. Wt. 1 lb.

Wide selection of RTL's, 14 and 16-pin dual-in-line DTL's, etc. in Dual-In-Line, Flat Packs and TO-5 pack-ages. Many uses in lab and and experimenters. (Untested.) 



YOUR CHOICE

20 Pieces Per Set

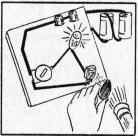


### INFRA-RED AND OPTIC EXPERIMENTERS KIT



- Special Light Sensor Diode
- POLY Fiber Optic Light Pipe Two Transistor Amplifier

· Fun and Educational



Combines latest optical/scientific principles in a fascinating and useful kit. Features silicon Light Sensor Diode—so sensitive it can be triggered by a match flame. Kit includes sensitivity control, amplifier, light bulb, template, 24" Poly thermionic light pipe, 2 transistors, micropot, infrared filter, focus lens, instruction booklet.

276-546. Ship. wt. 11/4 lbs.

## Diodes, SCR's, Heat Sinks, and Bridge Rectifiers



#### MICRO-MINIATURE 1-AMP DIODES

Epoxy dio	des f	or your power supply needs. Av. ship.	wt. 2	OZ.
276-1101.	50	PÍV 3	for	.39
276-1102.	200	PIV3	for	.69
276-1103.	400	PIV	for	.99
276-1104.	600	PIV.	for :	1.29
100 100 100				

#### **B** 1-AMP BULLET TYPE DIODES

276-1135.	50	PIV.	Ship.	wt.	2	OZ.	 2 for	.29
276-1137.	200	PIV.	Ship.	wt.	2	oz.	 2 for	.69
276-1138.	400	PIV.	Ship.	wt.	2	oz.	 2 for	.98
				-				

#### 3-AMP BULLET TYPE DIODES

Great buys fo	r the experimenter! Make	your move on these
276-1141. 50	PIV.	
276-1143. 200	D PIV	2 for .89
276-1144. 400	) PIV	2 for 1.19

#### 1000-MA 1000-V D10DES

Ideal for ham and experimenter for power supply use. Made of high-grade silicon. Perfect for application in linear amplifier supplies or anything requiring high current and voltage draw. Set of three. Ship. wt. 2 oz. ......3 for 1.49

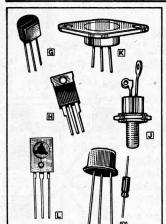
#### ■ 1500-MA 2000-V DIODE

Ideal for high voltage, high current rectifier circuits. Extra long axial leads for easy hookup. Great for use in linear amplifier power supplies. Buy yours today at these fantastic savings. Ship. wt. 4 oz.

#### SIXTY 1-AMP EPOXY RECTIFIERS

Pack contains 30 micro miniature and 30 bullet type. Use 

#### SILICON-CONTROLLED RECTIFIERS



Amp, 100 Volts. For low voltage relay switching, latching & counting circuits. Buy now at this low, low price.

276-1059. Ship. wt. 2 oz. .....99¢

H 6 Amp, 200 Volts. Electrically isolated. 

25 Amp, 200 Volts. High power for use in electroplating. ½ horsepower motor controls, etc. Three terminal, three junction thyristor can also be used for dimming lights, and as high speed undirectional switch. 

QUADRAC 6 Amp, 200 Volts. Electrically isolated. Use to replace relays, work as a light dimmer, high-speed motor control or high-speed uni-directional switch. Can also be used in a variety of computer circuits. 

SENSITIVE GATE 4 Amp, 30 Volts. Use 

#### 6 AMP FULL WAVE BRIDGE RECTIFIERS



For CB, amateur power sup-

Heavy-Duty Leads **Highest Quality** 

plies, tape player supplies, etc. %x%,x%,c"276-1146. 50 PIV. ......1.19
276-1147. 200 PIV. .....1.59

### LIGHT ACTIVATING SILICON RECTIFIER



### 10-PACK OF GLASS DIODES

Popular Choice for Builders, Hobbyists

Excellent for those electronic projects! Similar to IN34, IN34A and IN60 types. Less than 10¢ each! 276-821. Ship. wt. 4 oz. ....10 for 99¢

#### HEAT SINKS FOR PROTECTION



#### SINGLE FIN

В	Stock No.	Hole Dia.	Rad. Surf.	EACH
	276-1356	.265"	22.28 sq. in.	.69
	276-1358	2162"	22.28 sq. in.	.69
	276-1359	2203"	27.85 sq. in.	.79
	276-1360	Blank	33.42 sq. in.	.79

## Rectifiers, Diodes & Light Cells at Lower Prices

#### SILICON RECTIFIERS

Quality-engineered to get the job done with power handling capabilities to spare! Heavy-duty construction permits high current capacity. Designed for a wide variety of industrial and consumer uses.



#### 12 AMPS

49°

Use in linear amplifier supplies, general-purpose power supplies, car ignitions. Ship. wt. 2 oz.

Cat. No.	PIV	EACH	
276-1060	50	.49	
276-1061	100	.69	
276-1062	200	.89	



### 50 AMPS

Heavy-duty rectifiers are the ultimate in high power applications. Have extremely high current rating — great for power supplies. Made for industrial use. Ship. wt. 2 02.

PIV	EACH
50	.79
100	.99
200	1.19
	50 100

#### 1/2-WATT ZENER DIODES

Two per package. Normal operating voltage from 4 to 12 volts. Ideal for almost any low voltage application. Buy several packs at our low price and save. Ship. wt. 2 oz.

Cat. No.	Normal Voltage	Pkg. of 2
276-620	4	.69
276-621	6	.69
276-622	9	.69
276-623	12	.69

#### **1-WATT ZENER DIODES**

For voltage references, transistor bias switches, transient absorbers, regulated power supplies, etc. All rated 1 watt power dissipation. Normal operating voltage range 4-12 volts. Axial leads.

Cat. No.	Normal Voltage	Pkg. of 2	
276-560	4	.99	
276-561	6	.99	
276-562	9	.99	
276-563	12	.99	



#### SILICON TUNNEL DIODES

#### **AUTOMOBILE LIGHTER PLUG & CORD**



Here's the easy way to power 12-VDC equipment from your car without external hot-line and ground connections. Great for CB transceivers, razors, portable lights, etc. 274-331. Ship. wt. 3 oz. .......69¢

#### SPACE SAVER SOCKETS



Great when using one chassis for the power source and the other for the circuit . . . such as pre-amp and amplifier. Taps off 110VAC from the source chassis to the circuit chassis. Excellent short-cut method for the hobby

#### LIGHT EMITTING DIODE

Solid-State Lamp

Wide Viewing Angle

Unlimited Life Span

#### High Brightness—Visible Type



#### SELENIUM SOLAR CELL

29

Power Small Motors, Radios & Relays Using Sunlight



#### CADMIUM SULFIDE PHOTO CELL

79°

 Ideal for Science Class Projects



#### **50 SILICON DIODES**

ldeal for binary logic or use in audio & RF switching circuits, low voltage regulators, RF & field test equipment. Heavy-duty for longer life. (Untested.) 276-114. Wt.  $\frac{1}{2}$  lb. ...... 50 for 1.98



#### TRANSISTOR SOCKETS

Subminiature sockets eliminate loss or damage caused from direct soldering of transistor leads. Printed circuit or chassis mounting. Takes transistors with contact in-line or triangle. Size,  $\frac{3}{6}$ x  $\frac{1}{4}$ ". 274-1510. Wt.  $\frac{1}{4}$  lb. ..... 10 for 99¢



#### POWER TRANSISTOR SOCKET

#### MINIATURE TUBE SOCKETS



Especially useful when building receivers, transceivers, television sets and television sets and stereo FM-AM radios. Saddle mounting to chassis for positive, dependable connection. 274-1511. 7-Pin. Wt. ½ lb. ..... 5 for 59¢ 274-1512. 9-Pin. Wt. ½ lb. ..... 5 for 59¢

## Archer "Component Pak" Specials! 119 5 for 500



#### 25 MICRO EPOXY RECTIFIERS

25-1 amps. Each rectifier 25-1 amps. Each rectifier measures only ½x½, %. Specially designed with silicon for hobbyists bullding projects where limiting space is a factor. Assorted voltages. Untested. 276-591. Wt. 1 lb. ........1.19



Buy now and save on valuepacked experimenters package. Includes many types similar to 2N2711, 2N2712, 2N2923. For radio frequencies, oscillators, intermediate frequencies. Come in TO-98 cases. Untested. 276-590. Wt. 1 lb. ......1.19

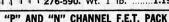


#### 5 TYPE 2N170 TRANSISTORS

G.E.'s most popular NPN transistors for virtually hundreds of radio frequency applications for hobbyists, experimenters, etc. Specifi-25 mW. 6BV co 20 h fe' 276-574. Wt. 1/4 lb. ......1.19

#### 30 SILICON AND GERMANIUM DIODES





Values in Field-Effect-tranvalues in Field-Effect-transistor package. High T input. 250 MHz. "P" similar to 2N4360, 2N5033. "N" similar to 2N3819, 2N3685. Acts like a tube in audio circuits, FM receivers, etc. TO-92 case. 276-112. Wt. 1 lb. ......1.19



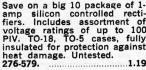
#### 12 SILICON POWER RECTIFIERS



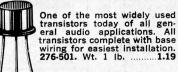
2-12 amps. Transitron stud 2-12 amps. Transitron stud mounted rectifiers, perfect for low-cost general applications in workshop, hobby & industry, many other uses. Up to 600 peak inverse voltage. Untested.

276-508. Wt. ½ lb. ......1.19

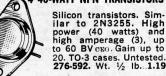
## 10 1-AMP CONTROLLED RECTIFIERS



#### 4 TYPE 2N107 PNP TRANSISTORS



#### 4 40-WATT NPN TRANSISTORS



amp silicon controlled recti-fiers. Includes assortment of voltage ratings of up to 100 PIV. TO-18, TO-5 cases, fully insulated for protection against 276-579. .....1.19

25-PC. TRANSISTOR SURPRISE PACK

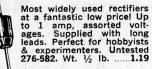
Includes both PNP and NPN silicon and ger-

manium type transistors. Assorted cases — TO-5, TO-18 & TO-46. Perfect

tested. Ship. wt. 1 lb. 276-524. 1.19

Un-

#### 20 EPOXY SILICON RECTIFIERS



#### 4 2N3638 PNP EPOXY TRANSISTORS



For line-driving, memory circuits, computers and audio amplifiers. Re-places types HEP - 716, MPS-2638, more. 300mW, 25 BVco, 25hFE, 100 MHz, 0.5 amps. 276-606. Wt. 1 lb. ....1.19

## 4-PC. PHOTO CELL TWIN PACK

for experimenters.

Kit includes two each: G.E. upright, glass-sealed with dark resistance 5000 megs; Clairex pancake types for Instamatic Magic Eye—dark resistance to 700 ohms. With diagrams, instructions. Shpg. wt. 1 lb

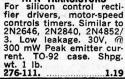
#### 4 PC. POWER RECTIFIERS



Handy rectifier assortment. Ideal for applications with low voltage transistor or battery power supplies. Two 12 amp, two 50 amp. Studmounted. Up to 50 PIV. Untested. 276-594. Shpg. wt. 1 lb. 1.19



#### 4 PLANAR UNIJUNCTION NPN TRANSISTORS



#### 25 GERMANIUM DIODE SURPRISE PAK



Used in computer switching, general applications where low voltage requirements are necessary, and all binary dig-ital applications. Excellent for builders, hobbyists, and experimenters. Untested. 276-519. Shpg. wt. 1/4 lb. 1.19

#### 6-PC. DUAL INLINE "IC" KIT

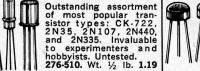


Five IC's, socket adapter. Gates, buffers, adders, registers, flip flops, etc. 14 and 16 pin DTL's and TTL's. For computer digital uses, experimenters etc. Untested. Shpg. wt. 1 lb.

276-531. ......1.19

276-521. Shpg. wt 1/2 lb. 1.19

#### 4 2N3641 NPN EPOXY TRANSISTORS





Specially designed for ra-dio frequency amplifiers and high current switch-ing. Replaces HEP 50, 55 MPS-6514, etc. 1 watt 276-608. Wt. 1 lb. ....1.19

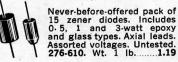
### 5 10W PNP POWER TRANSISTOR PAK



Perfect for experimenters, hobbyists, etc. May be used in ap-plications where higher wattage rating transistors are necessary. Similar to type 2N155. TO-3 case. Untested. 276-527. Wt. 1 lb 1.19

#### 15-PIECE ZENER PACK

15 POPULAR PNP, NPN TRANSISTORS



#### 12 3-AMP EPOXY RECTIFIERS

Same size as standard silicon epoxy "bullet," but is capable of handling 3 Amps. Heavy duty leads. Replaces "stud" types. Assorted voltages. Top and bottom chassis mounting. 276-599. Shpg. wt. 1 lb....1.19

#### **30-PC. SEMICONDUCTOR SURPRISE PAK**



Each Kit is different! Each Kit is different Wide assortment of sili-con and germanium rectifiers, NPN and PNP transistors, powers, zeners, top hats, diodes, more. Untested. Shpg. more. Ui wt. 1 lb. 276-545. 1.19

Now Over 1000 Allied Radio Shack Stores Coast to Coast and Alaska

## Archer "Component Pak" Specials! 119 for 500

#### 4 15-VOLT BI-DIRECTIONAL DIACS

3-Layer Diacs rated 2 Negative resistance switching characteristics. Use in SCR triggering circuits, lamp drivers and motor speed controls. Low switching voltage, large switchback voltage. TO-92 case. 276-1078. 1.19



#### **3 PROGRAMMABLE UNIJUNCTION** TRANSISTORS

Silicon types rated 40 V, 375 mW. Ideal for SCR triggering, oscillators, pulse and timing circuits. Typical rise time, 40 ns. Device characteristics can be modified by changing bias resistor values. TO-92 case. 276-119. 1.19



#### 8-PC. LINEAR AMPLIFIER SURPRISE!

Special factory purchase, special factory purchase, not even a chance to test 'em. You may get 709's, 741's, even 723 voltage regulators. All with base diagrams. Untested. 276-611. Wt. 1/4 lb. ....1.19



#### 5 CK-722 TRANSISTORS

One of the most popular PNP transistors around. Great for any general-purpose hobby or experimenter application. TO-5 case. Made by General Electric. 276-572. Wt. 1/4 lb. ...... 1.19



#### 10 ULTRA-FAST SWITCHING DIODES

Type 1N914. One of the fastest switching diodes, 4 nanoseconds. Silicon and axial leads. Most popular switch. PRV, 90 volts.  $I_{\rm F}$ , 10.  $V_{\rm F}$ , 1.0. Untested. 276-612. Wt. 1/4 lb. ......1.19



#### 5-PC. SILICON CONTROL SWITCHES

A "must" for any hobbyist or builder. Rated 1 amp. Color-coded voltages: 15, 30, 60, 100, 150 volts. For any SCR applications. TO-18 cases. 276-571. Wt. 1/4 lb.......1.19



#### **4 NIXIE TUBE DRIVER TRANSISTORS**



#### 2 RTL-908 HALF ADDER IC's

Popular device capable of performing MODULO 2 addition and other similar logic functions. Gates either of two data inputs to a common output. With specifications. 8-lead. TO-5 case. (Untested.) 276-614. Wt. ½ lb. .....1.19



#### 3 TRIGGER DIODES

Bidirectional - lowest cost 



#### **60 PRECISION RESISTORS**

Great assortment of one-percent tolerance resistors for use in critical electronic equipment. Values up to 1 megohm and wattages of '/5, '/2, 1, 2. Includes low-loss precision magnetic-film types. 271-819. Wt. 1 lb. ......1.19



#### 20 SQUARE-SANDED POWER RESISTORS

Includes popular "square-ohm" & "SAND-ohm" plus ohm" & "SAND-ohm" plus other axial-lead types. Made by IRC, Corning-Glass and other manufacturers. Con-tains 3, 5, 7, & 10 watters. 271-304. Wt. 1 lb. .....1.19



#### 35 ONE-WATT RESISTORS



#### 8 PRINTED-CIRCUIT ELECTROLYTICS

Assortment includes upright types and a variety of ca-pacitance values and working voltages. Epoxy encapsulated to 500 μF. Top-quality manufacturers. 272-619. Wt. ¼ lb. ......1.19



#### **4 TRANSISTOR TRANSFORMERS**

Made by famous U.S. manufacturers. An assortment of types, including miniatures, sub-ouncers, mike, and input. Color-coded leads. Ideal for building or replacement. 273-1581. Wt. 1 lb. ..... 1.19



#### **20 MYLAR CAPACITORS**

Sprague tubulars in assorted Sprague tubulars in assorted sizes, voltages, and capacitances up to 1  $\mu$ F. Long axial leads. A "buy" for kit builders and experimenters as well as servicemen. 272-1565. Wt.  $\frac{1}{2}$  lb. ...1.19



#### **8 TOP-QUALITY PANEL SWITCHES**

Assortment includes rotary, slide, pushbutton, thermal micro, & many others. Use for multicircuit transfer, power & audio circuits. All made by top American manufacturers. 275-006, Wt. 1 lb. ....1.19



#### 35 RADIO/TV KNOBS

Indispensable to servicemen and hobbyists! Selection of sizes, colors and shapes, most popular types, with and without shafts. Low, low price. 274-1564. Wt. 2 lbs. 1.19



#### **RELAY SURPRISE PAK**

Kit of three. Sealed & telephone-type relays. Some are micro-miniature. An assortment of contacts & voltages. 275-500. 2 lbs. 1.19



#### 25 POLYSTYRENE TUBULAR CAPACITORS



#### 30 DIPPED-SILVER MICAS

Assortment also includes some red-silver micas. Most-popular capacitance values & working voltages to 600 volts. 272-623. Wt. 1 lb. ....1.19



#### 8-TRANSISTOR ELECTROLYTICS

Assortment of "Vertilytics" and axial types. Capacitances range from 5-100  $\mu$ F. Assorted working voltages. Ideal replacement types for service stock or for hobby-ists and builders. 272-1571. Wt. ½ lb. ....1.19



#### 75 PRE-FORMED 1/2-WATT RESISTORS

A fine assortment of carbon resistors in most popular values, tolerances of 5% and 10%. Color-coded Ideal for printed and subminia-ture circuits. Great for hobbyists, builders. 271-820. Wt. 1 lb. ......1.19



#### 3 1/4" CUBE TYPE CONTROLS

Single-turn slotted printed circuit controls. Assortment of values. Top U.S. manufacturers — Allen Bradley, etc. Sealed construction. 300° rotation. 271-202. Wt. ½ lb. ...1.19



#### 60-PC. RESISTOR SPECIAL!

Wide assortment of most popular values. Contains 20 ½-watt 30 ½-watt & 10 1-watt types. With both axial and preformed leads for easy printed circuit mounting. 271-821. Wt. 1 lb. ....1.19

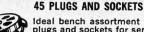


## Archer "Component Pak" Specials! 119 5 for 500



#### **6 MICRO-MINIATURE POTS**

Compact potentiome designed to snap directly into printed-cir-cuit mounting. You get two each 5k, 10k, and 25k ohms. Rated 1/8 watt. 271-201. Wt. 1 lb. ...1.19



Ideal bench assortment of plugs and sockets for servicemen, Hams, hobbyists. Selected so that you get most-used types. Subminiature; printed-circuit types 274-1562. Wt. 1 lb. ... 1.19



#### **45 TUBULAR CAPACITORS**

Quality tubular capacitors in capacitances from 100 pF to  $0.1~\mu F$ . Working voltages up to 600 volts. Includes molded paper, porcelain, upright, my lar, and NPO types. 272-1568. Wt. 1 lb. ......1.19



#### 2-PIN PLUGS AND SOCKETS

Assorted colors: Ivory, Assorted colors: Ivory, Red, Black, Plug size:  $\frac{3}{2}$ x $\frac{1}{2}$ ". Receptacle:  $\frac{1}{2}$ x  $\frac{1}{2}$ ". Just what you need to be sure your finished project's circuitry is correct. Great for hobbuists, repairmen.  $\frac{1}{2}$  Ib. 274-342. 6 Pairs 1.19



#### **4 NEON GLOW LAMPS**

For use in readouts indicator circuits, etc. Com-plete with series resis-tor for 110 VAC operation. Features built - in lens. Minimum lighting voltage, 60 volts. 272-1105. Wt. 1/4 lb. 1.19



#### 20 POWER RESISTORS

1110% Contains vitreous, cand-ohn and wire-wound types. Powe ratings range from 2 to 20 watts. Ideal for servicemen hobbyists, builders. 271-1202. Wt. 2 lbs. 1.19 WID-0



#### **8 ASSORTED ELECTROLYTICS**

Excellent for radio and TV repairs. Includes FP's, plug-ins, tubulars, as well as double and triple units. Offers an assortment of working voltages and mountings. 272-1570. Wt. ½ lb. ....1.19



#### 8 SETS PHONO PLUGS AND JACKS

Standard phono plugs and jacks used in phono amplifiers, tuners, recorders, highfidelity equipment, & many other items of equipment. 274-1575. Wt. ½ lb. ....1.19



#### **40 MINIATURE RESISTORS**

World's smallest 1/4-watt car bon resistors. All have axia leads. Made for transistor and subminiature circuits Assorted values. With resistor color-code chart. 271-1574. Wt. ½ lb. ....1.19



#### **30 MOLDED CAPACITORS**

Variety of capacitance values and working voltages. Includes mylars, dipped dipped Includes mylars, dipped types, poreclain, vitamin Q, oil filled, polystyrene. Up-right and axial-lead types. 272-622. Wt. 1 lb. ..... 1.19



#### **8 VOLUME CONTROLS**

Assortment of 8 most popular values — with values up to 1 megohm. Includes dual types and long and short shaft sizes. Some have switch. 271-127. Wt. 1 lb. ....1.19



#### **7 SLIDE SWITCHES**

Excellent assortment, quality-made. Priced right for hobbyists and builders. Contacts rated 3 A at 125 VAC or better. PC and lug terminal connections. All U.S.A.-made. 275-404. Wt. 8 oz. ... 1.19



#### **40 COILS AND CHOKES**

Great shop assortment of RF, Oscillator, IF, parasitic, peaking and many more highly useful types. Ideal for servicemen, hobbyists, builders. builders 273-1569. 1 lb. ....1.19



#### **4 MAGNETIC REED SWITCHES**

Ideal for counting struments, scanners, limiting switches, alarm systems, etc. Rapid cycling. Contacts rated at 1 amp at 250 volts AC/DC. Size 275-026. Wt. 1/2 lb. 1.19



## 10 FINGER-GRIP PHONO PLUGS

Single-prong plugs for amplifiers, tape recorders, phonos, etc. Easy to grip because of wing tip con-struction. Use for faster hookup of all your com-274-343. Wt. 1/4 lb. ....1.19



#### 3 12-VDC TOY MOTORS

Ideal for slot cars, boats, other uses in power toys. Speeds of 9000 - 10,000 rpm. Compact size, only  $1\frac{5}{8}x\frac{7}{8}$ ". Great for hobbyists, builders. byists, builders. 273-087. Wt. ½ lb. ....1.19



#### SPECIAL! 50 CAPACITORS

Assortment of capacitors including disc, ceramic, mylar, temperature-coefficient, molded, paper, oil, Vit-Q. Ideal for servicemen and 272-1199. Wt. 1 lb. ..... 1.19



#### 55 HALF-WATT RESISTORS

Made by Allen Bradley and IRC. Many are 5% & 10% tolerance. Color chart. Mostpopular resistance values. A "must" for hobbyists, experimenters, & kit biulders. 271-1612. Wt. 1 lb. ......1.19



### MAGNETIC PROXIMITY SWITCH

Designed for use in alarm systems, posi-tion indicators, & other equipment. Has magnetically operated reed for data or signal switching. With horseshoe magnet and flux keeper. 275-202. ¼ lb.

**40 DISC-TYPE CAPACITORS** 

A highly varied assortment of types. Includes NPO's, Hi-Q, N-750's, mylar, and ceramic. You get capaci-tance values from 10 pF to

0.01  $\mu$ F in working voltages up to 6kV. Long, short leads. 272-1567. Wt.  $\frac{1}{4}$  lb. ...1.19



#### **40 TERMINAL STRIPS**

Wide variety of screw and solder-lug type terminal strips with one to six lugs. 101 uses for the builder & experimenter, ideal for serv-274-1555. Wt. 1 lb. ......1.19



## 125 FEET OF HOOKUP WIRE

Assortment consists of five 25-foot rolls of solid and stranded wire in sizes #18 through #22. Some stranded some solid coils. For service-men, hobbyists, and kit

builders. 278-025. Wt. ½ lb. 1.19





Loaded with assorted parts . . . if purchased separately would cost many times more than our selling price. Includes: printed circuit boards, IF transformers, mylar, dipped mise petro. dipped, mica, poly-

styrene/capacitors, resistors, coil forms, transistors, rectifiers ...you name it! 270-1251. 1 lb. 1.49

86

## Terminal Strips, Test Leads & Clips for Builders

#### TIE-DOWN TERMINIAL STRIPS



Set of 5

Bakelite strips for any circuit wir-ing. All are center mounting type. Solder lugs spaced on \(^{\text{M}}\_{0}\)" centers. 274-685. Two connecting points. No 274-685. Two connecting points. No ground lugs. 5 for 45¢ 274-686. Three connecting points. With ground lugs. 5 for 49¢ 274-687. Four connecting points. With ground lugs. 5 for 55¢ 274-688. Five connecting points. With ground lugs. 5 for 59¢ 274-680. 274-689. Six connecting points. With ground lugs. ..... 5 for 65¢

#### SCREW TERMINAL STRIPS



Set of 2

274-663. 2 Terminals. 111/16"L. 2/45¢ 274-664. 3 Terminals. 21/8"L. 2/49¢ 275-665. 4 Terminals. 2%6"L. 2/59¢

#### BARRIER TERMINAL STRIPS



Set of 2

274-656. 2 Terminals. ... 2 for 69¢ 274-657. 3 Terminals. ... 2 for 79¢ 274-658. 4 Terminals. ... 2 for 89¢ 274-659. 6 Terminals. ... 2 for 1.09

#### PUSHBUTTON TERMINALS



Wire is held firmly by spring-tension terminal. To release, press button. Ship. wt. ¼ lb. 274-315. 2 Terminals. 2⅓8×¾″. 49¢ 274-316. 4 Terminals. 2⅓6×¾″. 79¢

#### SCREW TERMINAL KIT



Excellent for TV antenna, speaker terminal replacement. All  $\frac{3}{6}$ " high. Each  $1\frac{1}{2}$ ",  $2\frac{1}{4}$ " and  $2\frac{3}{4}$ " long. 274-345. Wt.  $\frac{1}{4}$  lb. ...... 13 for 1.39

#### COMPONENT TERMINAL BOARD



#### 5" SOLDERLESS TEST PRODS

Set of 2

Molded plastic handles. Plated tip 

#### 60" "FLEXI" TEST LEADS



Feature "Flexi-Probes" with molded strain-re-lief — eliminates lief — eliminates wire breakage. Standard plugs on end of leads fit most multitesters. Wt. > 278-740. ..... 1.19

50" TEST WITH LEADS **BANANA PLUGS** 169 **Flexible** 

**Plastic Wire** 

#### COILED CORD TEST LEADS



Color-coded with solderless 5" test prods at one end, banana plugs at the other. 13" cord extends to 6'. Includes adapter phone tips. Fits any multitester. 278-750. Wt. 1 lb. ......1.98

#### 11-PIECE TEST LEAD SET



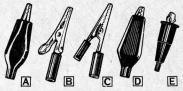
Two 41/2" prods; 6' black & red test 

#### SOLDER TYPE PHONE TIPS



Pack of 10

#### **INSULATED ALLIGATOR CLIPS**



© 21/2" Clips. Consists of 5 red and 5 black clips. Solder connection type. All steel construction. 270-347. Wt. ½ lb. ......10 for 79¢

D 15% Clips. 6 black, 6 red clips make it easy to mark connections in complicated circuits. Solder type. 270-1545. Wt. ½ lb. 12 for 99¢ E Heavy-Duty Clips. 25% long. 3 black, 3 red rated at 10 amps. Screw terminal connections. 270-349. Wt. ½ lb. 6 for 1.39

#### UNINSULATED ALLIGATOR CLIPS

Claw Clips. Heavy duty for low resist-ance connections. All steel. Wt. ¼ lb. 270-377. 10 for 99¢

Slim Clips. All steel with screw con-nections. Solderless type. Wt. ¼ lb. 270-348. 16 for 1.19



BANANA 99c **PLUGS** 4 Pair & JACKS

Solder type gives posi-tive connections. For radio, hi-fi & test equip-ment. 2 pair red, 2 black. Wt. ½ lb.

#### PHONE TIP & JACK SETS

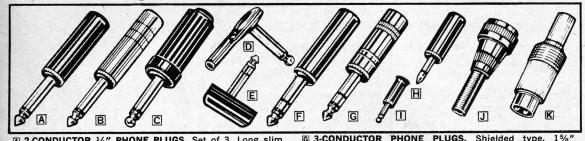




5-WAY BINDING POST

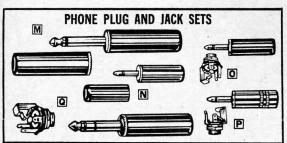
4 red, 4 black for jobs requiring an external connection. Accept banana plugs, phone tips, spade lugs. With solder, insulators, lug terminals. 274-661. Wt. 1/4 lb. 99¢

## **Phone Plugs and Jacks for Almost Every Requirement**



A 2-CONDUCTOR ¼" PHONE PLUGS. Set of 3. Long slim type with ½" diameter black bakelite barrel 2½" long. 274-1536. Shpg. wt. 4 oz. 3 for 99¢ B 2-CONDUCTOR ¼" PHONE PLUGS. Set of 2. Long slim type with ½" diameter shielded barrel. 2½" long. 2 for 99¢ C 2-CONDUCTOR ¼" PHONE PLUGS. Set of 2. Double barrel. Ribbed plastic barrel handle takes cord phone tip or tips. 2½" long. 274-1539. Shpg. wt. 4 oz. 2 for 89¢ D 2-CONDUCTOR ¾" PHONE PLUGS. Set of 2. Shielded flat right angle type. Ideal for space saving applications. 2½" long. 274-254. Shpg. wt. 4 oz. 2 for 99¢ E RIGHT-ANGLE ¼" PLUGS. Set of black and red shells. Screw type terminals. A 2-CONDUCTOR 1/4" PHONE PLUGS. Set of 3. Long slim E RIGHT-ANGLE 1/4" PLUGS. Set of black and red shells. Screw type terminals. 274-256. 2-Conductor. Shpg. wt. 4 oz. 2 for 89¢ 274-257. 3-Conductor. Shpg. wt. 4 oz. 2 for 99¢ 3-CONDUCTOR 1/4" PHONE PLUGS. Set of 3. Slim line. Black bakelite barrel. Push-to-talk mikes, stereo headphones. 27%" long. 274-139. Shpg. wt. 4 oz. 3 for 1.39

langer barrel. Nickel plated. Solder lug terminals. 2%"
long. 274-285. Shpg. wt. 4 oz89¢
⊞ 2-CONDUCTOR MINIATURE PHONE PLUGS. Set of 2.         Solder lug terminals. 15%" long.         274-286. Black. Shpg. wt. 4 oz.       2 for 69¢         274-287. Red. Shpg. wt. 4 oz.       2 for 69¢         274-288. Shielded. Shpg. wt. 4 oz.       2 for 89¢
☐ 2-CONDUCTOR SUBMINIATURE PHONE PLUGS. Set of 2. Solder lug terminals. 15/16" long. Shpg. wt. 4 oz. 274-289. Black. 274-290. Red. 274-291. Tan 2 for 59¢
☐ SINGLE CONTACT AUDIO CONNECTORS. 274-1560. Combination Jack and Plug
274-004. 3-Pin. Shpg. wt. 4 oz. 89¢ 274-003. 5-Pin. Shpg. wt. 8 oz. 99¢



M STANDARD 1/4". 2 sets of slim phone plugs and inline jacks. One set red and one black for easy identification. 274-1241. Shog. wt. 4 oz. 1.29
M MINIATURE 1/4". 2 sets. One set black and one red for easy identification. jack. 274-283. Shpg. wt. 4 oz. 99¢ MINIATURE. 6 pair of matching bakelite plugs and jacks. Jacks closed circuit. Ideal for transistor earphones, Jacks. Jacks closed circuit. Ideal for transistor earphones, and receivers. Assorted colors.

274-335. Ship. wt. 4 oz.

1.19

MINIATURE. 3 pair of matching shielded phone plugs and shorting jacks. Remote speaker hookups, microphones and other uses.

274-336. Shpg. wt. 8 oz.

1.19

3-CIRCUIT PLUG AND JACK. ½" open circuit jack and plug with black bakelite shell, solder lug terminals, mtg. hardware. 

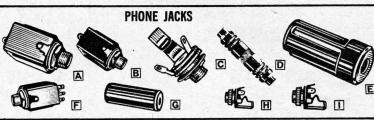
A ENCLOSED 1/4" PHONE JACKS. Accepts standard 1/4" phone plugs. Versatile, panel or printed circuit mounting, for numerous applications. Solder lug terminals for positive connections. Complete with mounting hardware for quick, easy installation. Average shpg. wt. 3 oz. 274-280. 2-Conductor. Open Circuit 39¢ 274-281. 2-Conductor. Closed Circuit 45¢ 274-282. 3-Conductor. Open Circuit 49¢ B ENCLOSED 1/6" MINIATURE PHONE

B ENCLOSED ½" MINIATURE PHONE
JACKS.
274-296. Closed Circuit. 2 for 59¢
274-297. Open Circuit. 2 for 55¢

□ ¼" PHONE JACKS. Open and closed circuit. Accepts standard ¼" phone plugs. Comes complete with mounting hardware for fast, easy installation. Average shpg. wt. 4 oz.
274-324
274-252. 2-Conductor. Open Circuit 2/69¢
274-311. 3-Conductor. Open Circuit 2/99¢
274-311. 3-Conductor. Closed Circuit 2/91¢

DUAL JACK COUPLERS. Allows two cables terminating with (miniature or subminiature) phone plugs (miniature or subminiature) to be connected together. Shielded type. 274-298. Miniature Jack Coupler. Wt. 4 oz. 2/99¢ 274-300. Subminiature Jack Coupler. Wt. 4 oz. 2/89¢

E INLINE ¼" PHONE PLUGS. Durable black bakelite shell. Accepts standard ¼" phone plugs. Dimensions ½x 1½". Average ship. wt. 2 oz. 274-340. 2-Conductor. 3/99¢ 274-140. 3-Conductor. 3/1.19



F ENCLOSED 1/4" STEREO PHONE JACK. 3-conductor. Double closed circuit. Strong, positive connection. Complete with schematic. 274-277. Ship. wt. 2 oz. 89¢ © 2-CONDUCTOR INLINE MINIATURE PHONE JACKS. Accepts miniature phone plugs. Strong, positive connection. Quick and easy to install. Ship. wt. 4 oz. H 2-CONDUCTOR SUB-MINIATURE PHONE cepts sub-miniature phone plugs.Closed circuit. Perfect for solid-state microcircuits component connections. Shpg. wt. 274-292 3,69¢

If 2-CONDUCTOR MINIATURE PHONE JACKS. ½ the size of standard ½" phone jacks. Mounts in ½" hole. Mounts panel up to to ½" thick. Provides clean, positive, sturdy connections. Fast, easy to install. Average shpg. wt. 2 oz. 274-251. Open Circuit 3/69¢
274-253. Closed Circuit 3/79¢

Connectors and Adapters for More "Component Versatility"

A DUAL PHONO JACK. For stereo changers, amplifiers, etc. Accepts RCA-type phono plugs. Provides quick, sure interconnection of audio equipment whose existing con-

2-CONDUCTOR PHONO PLUGS. Plastic insulated handles to prevent any crossover and short circuits. Comes complete with cable clamp to provide strong, positive connections. Assorted colors. 

SHIELDED PHONO JACKS. Accepts phono plug. Fits 1/4" mounting hole. Solder lug connections assures a durable, clean and positive mating. Shielding assures a reduction of annoying hum. Dimensions: 3/4 x 3/8/". 

PLUG ADAPTER SET. Now you can solve numerous connection problems with this handy kit for adapting miniature phone plug to phone plug, from phone plug to miniature phone plug, from miniature phone plug, from miniature phone plug to standard ¼" phone plug. Provides strong and positive electrical connection for plug and jacks that do not match. 274-046. Ship. wt. 4 oz. 3 for 1.29

□ ADAPTER POWER JACKS. For use with battery chargers, tape recorders, walkie-talkies, radios, TV, etc. Each set contains one each of .085 and .097 l.D. power jacks. 274-1551. 1" Long, .218" O.D. 2 for 79¢ 274-1550. 1% "Long, .196" O.D. 2 for 99¢

Z/4-1550. 13%" Long, .196" O.D. Z for 99%

M FOUR-WAY ADAPTERS. Ideal for adapting or mating miniature and subminiature plugs, iacks, power adapters. All connectors are wired in parallel.

STYLE #1. Miniature plug, sub-miniature plug, .097" diameter power iack and .085" diameter power plug.

Z74.351. Ship. wt. ½ lb.

STYLE #2. Subminiature plug, .085" diameter power jack, .097" diameter power jack and miniature jack.

Z74.352. Ship. wt. ½ lb.

STYLE #3. Has miniature plug, .085" diameter power jack, .097" diameter power jack and subminiature jack. .097" diameter power jack and subminiature jack. 274-353. Ship. wt. 1/4 lb.

N SHIELDED "Y" ADAPTERS. 2 phono jacks connected in parallel to a phono plug. 274-303. Ship. wt. 4 oz. 2 phono jacks phono jacks connected in parallel to a standard

274-304. Ship. wt. 4 oz. ......69¢



SHIELDED PHONO PLUGS. Reduction of hum is assured in this connector that's designed for easier soldering . . . Mates with all phono jacks.

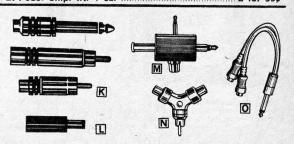
274-339. Ship. wt. 4 oz. ■ SHIELDED INLINE PHONO JACKS. Set of 4. Solder lug terminals. Mates with all phono pin plugs.

274-338. Ship. wt. 1/4 lb. 4 for 99¢

MICROPHONE ADAPTER PLUG. Converts single microscrew-on connector to standard 1/4" plug. 274-1558. Ship. wt. 1/4 lb.

☐ PHONE PLUG ADAPTERS. Shielded phone jack at rear connects standard ¼" phone plug to phono plug. Shielding assures a reduction of annoying hum so you can enloy 'true-to-life' distortion-free sound. Gives strong, clean and positive connections. 2½" long.

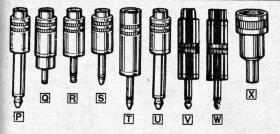
274-389. Ship. wt. 4 oz. 2 for 99¢



© FLEXIBLE "Y" ADAPTERS. 2 phono jacks connected in parallel to a standard 1/4" plug. Features highest quality wire, soldered connections. Plugs and jacks are molded 

Two standard phono plugs connected in parallel to a miniature phone plug. 9" long. Molded connectors.

R Adapts miniature phone jack to subminiature phone



#### SHIELDED PLUG ADAPTERS

Provide quick, sure interconnection of audio equipment whose existing connectors do not mate. Positive mating contacts prevent resistive line losses. All are shielded to assure reduction of hum.

S Adapts subminiature phone jack to miniature phone Adapts phono plug to miniature phone plug. 274-337. Ship. wt. 1/2 lb. Microphone Adapter Plug. Accepts standard 1/4" phone plug and adapts it to a standard screw microphone con-

Now Over 1000 Allied Radio Shack Stores Coast to Coast and Alaska

## Variable Tuning Capacitors and Transformers

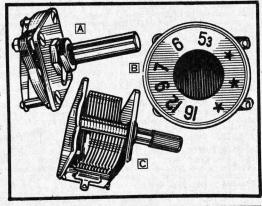
### A SUB-MINIATURE WAFER-TYPE CAPACITOR

#### B MINIATURE TUNING CAPACITOR WITH CALIBRATED DIAL

For experimenter-built transistor TRF radios. Easy-to-read plastic dial calibrated from 530 kHz to 1600 kHz. Smooth, solid 'feel' variable capacitor. Minimum capacity at full clockwise position, maximum at full counterclockwise position. Size, 1x1x½". 272-1431. Shipping weight 1/4 lb. .....

### © GENERAL PURPOSE, SINGLE GANG VARIABLE CAPACITOR

Solid aluminum stator and rotor blades reduce noise, resist cor-



## Low-Cost Filament Transformers for A Variety of Projects



"STANDARD" SIZE

1.2 Amps

Ideal for replacement, experiments or conversions. Open frame design with rugged steel construction. Long color-



#### STANDARD

- For Radio Projects, Replacement
- For Input and Output Circuits
- Mounting Clip, Solder Terminals

Replacement intermediate frequency transformers for AM radios and CB transceivers. Very high gain type for both input & output circuits. Slug for 

## 455 kHz IF Transformers



**Choice of Standard** Size Set of Two or Subminiature Set of Four



### SUBMINIATURE

- For Printed Circuit Board Mounting
- 3 Transformers Plus Oscillator Coil
- For Replacement and Experiments

Kit of three intermediate frequency transformers plus one oscillator coil form a complete set for the IF circuit. For replacement use in AM radios and experimental projects. Slug for tuning adjustments. ½x3/8x3/8".

273-1383. Ship. wt. ½ lb. .......4/1.19

## 500-Watt Variable Voltage Control

- Delivers 0 to 140 Volts AC
- Adjusts Low-Line Voltages, Dims Lights
- Rugged Industrial Construction

Variable autotransformer of toroidal core design. Ideal for adjusting line voltages and hundreds of other applications in 





MINIATURE **Audio Frequency Transformers** 

		Impedar	ice, Ohms	
Cat. No.	Type	Primary	Secondary	EA.
273-1376 273-1379 273-1380 273-1378 273-1381	Input Output Output Driver Output	1KCT 10K	1K 3.2 8 2K 3.2/8	.89 .89 .89 .89

## Values In Tubular, Ceramic and Electrolytic Capacitors



Molded tubular capacitors built for long life under high humidity and temperature operating conditions. Leakproof, non-flammable case. 250 WVDC. Average shpg. wt. 3 oz.

Stock No.	μF	Size	PRICE
272-1051	.01	%6×%6×%6"	2/.49
272-1052	.047	%6×%6×%6"	2/.55
272-1053	.1	%2×%6×%6"	2/.59
272-1054	.47	%6×%6×%6"	2/.69
272-1055	1.0	1%6×½×3/8"	Ea79



#### CERAMIC DISC CAPACITORS

High-efficiency ultra-compact ceramic disc capacitors with moisture-proof coating. In Packages of 3. Shp. wt. 2 oz. Pkg. of 3/39¢

Stock No.	pF	Stock No.	pF
272-120	5	272-126	1000
272-121	47	272-127	1500
272-123	100	272-130	5000
272-124	220	272-131	10000
272-125	470		



#### JUMBO 1/2 LB PACK OF CERAMIC DISCS

Just the thing for the experimenter or hobbyist who wants to build up a supply of assorted components at a low price. Contains ½ lb.—over 300—of price. Contains ½ lb.—over 300—of ceramic disc capacitors in a variety of values and working voltages. Includes NPO's, N-750's and square "thin" types. Assortment of hi-Q and temperature-compensated ceramics plus a variety of feed-thru's. Majority are marked with capacity and voltages. Shop, wt. 8 oz. Shpg. wt. 8 oz. 272-987



#### VARIABLE LOOPSTICKS

Designed for both general replacement use in small radios and experimentation and construction of similar circuits. Smoothly-variable core tunes to be com-patible with 365 pF tuning condenser. Center-tapped for convenient application to transistor circuitry. In sets of three. Shpg. wt. 8 oz. 270-376 Set of 3 for 1.19

#### FERRITE LOOP ANTENNA COIL



A high-quality slug-tuned ferrite loop antenna coil suitable for transistor, tube or crystal radios. Sensitive high-Q antenna matches all tuning condensers in the broadcast band and helps give greatly improved reception. Includes mounting bracket and hardware. Overall size, 2x 12" Shor wt 4 02" ½". Shpg. wt. 4 oz. 270-1430

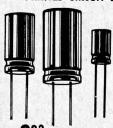
#### 2.5 MILLIHENRY RF CHOKES



Axial leads for easy wiring. Rated at 125 mA. High reliability design for a variety of applications in receivers and transmitters. Quality made for long, dependable

270-1713. Shpg. wt. 1/4 lb................................... 69¢

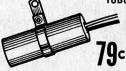
#### PRINTED CIRCUIT ELECTROLYTIC CAPACITORS



 Most popular values, types · Packed in handy plastic box

Rated at 35 Volts DC

An assortment of the most popular types and sizes of printed circuit (PC) type electrolytic capacitors. These are all brand-new, first quality capacitors packed in a plastic box for easy handling and storage. All are rated at 35 WVDC. age. All are rated at 35 WVDC. The set of fourteen consists of three each:  $5~\mu\text{F}$ ,  $10~\mu\text{F}$ ; two each:  $25~\mu\text{F}$ ,  $50~\mu\text{F}$ ,  $100~\mu\text{F}$ ; one each:  $200~\mu\text{F}$ ,  $500~\mu\text{F}$ . Shpg. wt.  $1\frac{1}{2}$  lbs. 272-1035 2.98



Tubular electrolytic capacitors designed for both service replacement applications and for experimenters and hobbyists. "Two sections in one capacitor, three leads. Ship. wt. 2 oz.

Stock No.	μF	WVDC	Size	EACH
272-101	20	150	11/16×13/4"	.79
272-102	40	150	11/16×13/4"	.89
272-103	20	450	15/16×13/4"	.99
272-104	40	450	11/16×23/8"	1.19
272-105	20x20*	150	3/4 × 2 1/4"	.99
272-106	50x30*	150	7/8 × 2 1/4"	1.19
272-107	50x50*	150	1/8 × 2 1/4"	1.29
272-108	80x50*	150	1 × 2 1/2"	1.39

#### SUBMINIATURE ELECTROLYTIC CAPACITORS



Ideal for transistor & miniature circuits. Hermetically sealed against moisture and corrosion to insure long shelf life and long operating life. Average ship. wt. 2 oz.

#### 15 WVDC

Stock No.	μF	Size	PRICE
272-1001	5	7/32×19/32"	2/.69
272-1002	10	1/4 × 19/32"	2/.69
272-1003	25	%16×1%2"	2/.79
272-1004	50	5/16×13/2"	2/.79
272-1005	100	13/32×1"	2/.89
272-1006	200	13/32×1"	2/.99
272-1007	500	1%2×2%2"	Ea79
272-1008	1000	23/32×121/32"	Ea89

SS WYDG				
272-1012 272-1013 272-1014 272-1015	10 25	1/4×1%2" 5/16×1%2" 5/16×1%6" 1%2×1"	2/.69 2/.69 2/.79 2/.79	
272-1016 272-1017 272-1018 272-1019	200 500	<sup>2</sup> 3/ <sub>32</sub> ×1" <sup>2</sup> 3/ <sub>32</sub> ×1" <sup>2</sup> 3/ <sub>32</sub> ×1 <sup>2</sup> 1/ <sub>32</sub> " <sup>7</sup> / <sub>8</sub> ×2 <sup>1</sup> / <sub>4</sub> "	2/.89 2/.99 Ea89 Ea98	

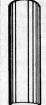


#### PC-TYPE ELECTROLYTIC CAPACITORS

Top-quality electrolytic capacitors ideal for application in printed circuits. Great for the student, experimenter or hobbyist. Av. ship. wt. 1 oz.

#### 35 WVDC

Stock No.	μF	Size	Price
272-1024	5	1/4 × 3/8"	2/.69
272-1025	10	5/16 × 13/2"	2/.79
272-1026	25	3/8 × 15/2"	2/.79
272-1027	50	3/8 × 1/6"	2/.89
272-1028	100	3/8 × 3/4"	2/.89
272-1029	200	1%2×15/6"	2/.99
272-1030	500	3/4 × 1.5/6"	Ea89



### HIGH-CAPACITY, LOW-VOLTAGE ELECTROLYTICS

- Rated 3000 µF at 20 WVDC
- Great for Filtering Action in Solid-State Power Supplies

**VARIABLE CAPACITANCE TUNING DIODES** 



119
100 kHz to 100 MHz. For FM oscillators, etc. (Also called varactors.) Replace mechanical variable capacitors. Capacitance variable from 15-60 pF. Bias voltage: 0 (15 pF) to 20 V (60 pF).
272-1345. Wt. 4 oz. Pkg. of 5/1.19

## Switch to "The Shack" For the Right Switch



A 4PDT ANTI-CAPACITY TYPE. 4 sets of SPDT contacts. 3 locking positions. 1" handle. 31%x85%x1%". 5 amp @

275-600. Ship. wt. 6 oz. ......79¢

A MINIATURE SPST TYPE. Normal-

ly open. Made by Unimax. 10 A @ 125 VAC. 13/8 x 1/8" lever. 275-012. Ship. wt. 4 oz. ......79¢

KNIFE SWITCHES SET OF 2 DPDT TYPE. Spring-plated tacts. Screw terminals, bakelite contacts. Screw terminals, bakelite handles. 0.5 amps @ 200 VAC. 1%x

ROTARY SWITCH

SINGLE-POLE 12-POSITION. Short-

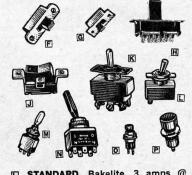
MAGNET CONTACT SWITCH

D SPST TYPE. Contact is made when magnet moves away. Normally open. Rated 0.5 A @ 125 VAC. Screw ter-

125 VDC.

## **OUALITY SWITCHES AT LOW** COST-FOR VIRTUALLY ANY HOBBY OR WORKSHOP APPLICATION

Made for top performance and relia-bility. Ideal for replacement uses; hobbyists, builders, etc. Complete with all hardware.



### MERCURY SWITCHES

E GLAS	S TYPE	. Long	g co	nn	ecti	ng wire
leads. La	amp co	ontact.	. 15	8X	1/16".	
275-027.	SPST.	Ship.	wt.	4	oz.	89¢
275-028.						
	The state of the	A TOWNSHIP .				

## SLIDE SWITCHES F SET OF 2 SWITCHES. Solder lug terminals. 4 A @ 125 VAC. ½x½." 275-401. SPST. Wt. 4 oz. 39¢ 275-402. SPDT. Wt. 12 oz. 45¢ 275-403. DPDT. Wt. 4 oz. 49¢

G SWIT	CH KIT.	Consist	s of 1	SPDT,
1 DPDT.	3 SPS	T. 1 DP	ST. R	ated at
0.5 A @	125 V	AC. Size:	1/2 X 7	8x11/4".
275-327.	Ship. w	t. 3 oz.		99¢

H 4PDT TYPE	. Mir	niature	pane	l moun
type. 0.3 A @	125	VAC.	Black	button
11/4 x 3/8 x %6".	sart	4 07		49

## ROCKER SWITCHES

TOGGLE SWITCHES 

☐ STANDARD. Bakelite. 3 amps @ 125 VAC. On/off plates, lug terminals, 1½2" shank. Bat handles. Req. ¾6" mtg. hole. 275-602. SPST. Ship. wt. 2 oz. ...... 39¢ 275-666. DPDT. Ship. wt. 2 oz. ..... 49¢ SWITCH KIT. Set of 3 (1 DPDT, 2 

M SUBMINIATURE TYPE. Rated 10 amps @ 125 VAC. Solder lug terminals. 3/4" bat handle. 1/2 x/h<sub>6</sub>x 1/2". 4 oz. 275.326. SPDT. W/4 color handles. 1.19 275-1546. DPDT.

■ SPST LEVER TYPE. 1x¾" black lever. Rated 6 amps @ 250 VAC. Bushing: ½x¾". Body: ½x½%".275-651. SPST. Ship. wt. 4 oz. ... 1.19 275-652. DPDT. Ship. wt. 4 oz. ... 1.39

**PUSHBUTTON SWITCHES** 

SPST MINIATURE. Set of 5. Miniature momentary contact type—normally open. \( \frac{1}{2}'' \) mtg. hole req. Solder lug terminals. Red button with black bakelite body—\( \frac{1}{2}'' \) dia. Rated 0.5 A \( \frac{1}{2} \) 125 VAC. 275-1547. Ship. wt. 4 oz. . ..... 1.19



#### **FOOT-ACTUATED SWITCH**

Skid-Proof Base for No-Slip Operation Anywhere

Gives you on-off control at the tap of your toe. Rated at 10 amps (125 VAC) with SPST switch in rugged steel housing.  $23_0^{\prime\prime\prime}$  square x  $1^{\prime\prime\prime}$  high. Has special skidproof base, AC cord and plug. 275-201. Ship. wt.  $1\frac{1}{2}$  lbs. 3.49

#### MINIATURE DPDT RELAYS

Choice of 115 VAC or 12 VDC Types





Ideal for chassis and PC board Available Sept.

### REMOTE POWER SWITCH BOX



Separate Appliances

Enclosed metal box has outlets, switches and neon indicators for 

## SENSITIVE SPDT "MINI"-TYPE RELAY



 Low Current Drain For Transistor Cir-

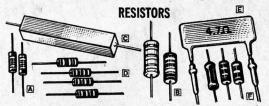
cuits, Remote Control

Lightweight, fully encased miniature relay with 2" long connecting leads. Holding current of 6 mA; coil voltage of 6-9 volts. Contacts rated 600 mA of 50 VAC/DC. DC coil resistance, 500 ohms. \( \frac{7}{8} \text{x} \] \( \frac{3}{4} \)".

A "must" for all builders and experimenters. 275-004. Ship. wt. 4 oz. .....

Retail prices shown in this catalog may vary at individual stores

## Low Cost Components for Hobbyists & Builders



### A 1/2 WATT—SET OF TWO Specify Resistance Value When Ordering. 271-000

	2/1	000		
150 180	1.8k	22k	270k	2.2
270	3.3k	33k	390k	3.3 3.9 4.7
390 470	4.7k	47k	560k	6.8
560 680	8.2k	100k	1 Meg.	10 12
1k	12k	150k	1.5	15
	180 220 270 330 390 470 560 680 820	150 1.5k 180 1.8k 220 2.2k 270 3.3k 330 3.9k 390 4.7k 470 5.6k 560 6.8k 680 8.2k 820 10k 1k 12k	150 1.5k 18k 180 1.8k 22k 220 2.2k 27k 270 3.3k 33k 330 3.9k 39k 470 5.6k 56k 470 5.6k 56k 560 6.8k 82k 680 8.2k 100k 820 10k 120k 1k 12k 150k	180 1.8k 22k 270k 2220 2.2k 27k 330k 2270 3.3k 33k 390k 330 3.9k 396 470k 390 4.7k 47k 560k 470 5.6k 56k 680k 560 6.8k 82k 820k 680 8.2k 100k 1 Meg. 820 10k 120k 1.2 1k 12k 150k 1.5

## ☑ ½ WATT—PACK OF 100

Long Axial Leads
All Color-Coded
Contains 21 Values

Money-saving kit for builders, hobbyists, lab or workshop. All top-quality U. S. made. With handy plastic storage box for easy handling. Contains 6 each: 4.7K, 10K, 100K; 5 each: easy nanoming. Contains 6 each: 4.7K, 10K, 100K; 5 each: 100Ω, 330Ω, 470Ω, 680Ω, 1K, 15K, 220K, 470K, 4 each: 15Ω, 180Ω, 390Ω, 22K, 56K, 120K, 330K, 1 Meg; 3 each; 22Ω, 271-306. Ship. wt. 1 lb. 2.99

#### 1 WATT-SET OF 2 Anc · Wirewound

49"	For Transistor			
		Circuits		
271-072.	$0.56\Omega$		2/49€	
271-073.	$1.0\Omega$		2/49€	
271-074.	1.50		2/49¢	
271 075	3 30		2/404	

#### ☑ 10 WATT—SET OF TWO Wire Wound Resis-

tors; Axial Leads, Rectangular Ceramic Body. 10% Tol. Cat. No. Stock No. 271-130 271-139 750 271-140 271-141 271-142 271-143 271-144 271-145 271-131 271-132 1000 1500 271-133 271-134 271-135 2500 5000 8200 100 271-136 271-137 250 10k 271-146 15k

271-138

#### **E** 10 WATT FUSED

79°	Packaged of Two	in	Sets
Contract of the last			

Ohms	Set of 2
7.5	.79
5.6	.79
4.7	.79
	7.5 5.6

#### 100 COMPOSITION PACK

7	Axi	al Le	ads
ncl. 1/10, lany 1%	and	5%.	Carbons.

271-810. Wt. 3/4 lbs. .....

All Have Long

#### **VOLUME CONTROLS**



#### A STANDARD TYPES

G Linear taper types. Shaft size, 2x 1/4". Complete with mtg. hardware.

#### WITHOUT SWITCH

Cat. No.	Ohms	Each
271-1714	5k	.79
271-1715	10k	.79
271-1716	50k	.79
271-092	100k	.79
217-210	500k	.79
271-211	1 Meg	.79
271-093	2 Meg	.79

ggcAs above. Switch rated 3 amps at 125 volts. With mounting hardware.

#### WITH SPST SWITCH

271-066	500	.99
271-1620	5k	.99
271-1443	10k	.99
271-094	25k	.99
271-212	500k	.99
271-213	1 Meg	.99

#### **B** PC SUBMINIATURE

	. 2	ated 1/. 60° Ro Jpright	tatio	
271-21 271-21 271-21 271-22 271-22	8. 9.	10,00 50,00 100k	0Ω. 0Ω. Ω.	39¢ 39¢ 39¢ 39¢ 39¢

#### E ECOO CULL CONTROL

E 20	יוחט טט	CUNIK	UL
59°	• For 1 • Repl	ransistor Racement T	adios ype
With	SPST	switch.	5/8"

With	SF	251	SV	vitch	. 5/8"
dia.,	1/2"	de	epth,	5/16"	diam-
eter	knol	ь.			
271-3	90.	2	oz.		59€

#### **ID** GLIDE-PATH™ CONTROLS 129 • Smooth, Accurate

	Linec	ir laper	
For bread bakelite lugs.			
271-222. 271-223.			1.29



#### **VEST POCKET RESIST-O-GUIDE**

Rotary color discs show ohms, tolerance of RETMA coded resistors. 271-1200. 2 oz. 25∉



of .5 to 1 volt. 277-202. Ship. wt. 6 oz. ...

MICROPHONE PREAMPLIFIER. Raises microphone output. Makes the microphone suitable for use with most amplifiers or CB/amateur transmitters. Produces an output

## Solid-State Electronic Modules for The Hobbyist "PLUG-IN" Block Modules

Completely Wired and Ready-to-Use-

• Include Easy-Hookup Plug-In Socket

A completely new concept in semiconductor modules! Each is permanently encapsulated. With a few additional, easy-to-wire accessories such as batteries and speakers you can create a practical and enjoyable device. Each module is checked at the factory for reliable performance and has instructions and a parts list. 100% solid state. Size, 1" high x 21/16" wide x 7/6" deep.

WIRELESS CODE OSCILLATOR. Capable of producing a 400 Hz tone frequency through any AM broadcast band radio when connected to a battery and key. 277-207. Ship. wt. 6 oz. .....

METRONOME. Puts out a steady electronic beat for music practice, keeping time, etc. Control allows you to adjust the frequency from 40 to 208 beats per minute. Perfect aid for beginning musicians.

277-209. Ship. wt. 6 oz.

249

BURGLAR ALARM. Provides a measure of protection with 

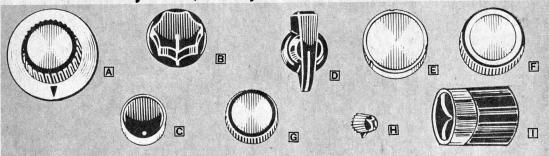
CODE PRACTICE OSCILLATOR. Ideal for practicing the international Morse code, for sending two-way code communications (by adding a second speaker and code key). Produces a clear note of 400 cycles.

277-206. Ship. wt. 6 oz.

249 TOY SIREN. Puts out a wailing, oscillating tone for use with model railroads, scale automobile setups. Adds a touch of excitement to any scale layout. 277-211. Ship. wt. 6 oz.

Credit Plans to Fit Every Budget . . . Details at Your Nearby Store

## Quality Knobs, Battery Holders and Vernier Dials



B Hexagonal Instrumentation Knobs. Handsome, rugged knobs for communications and test equipment. For 1/4" shaft. 274-407. Size, 1%Wx5%"D. Wt. ½ |b. 2 for 79¢ 274-404. Size, 1Wx5%"D. Wt. ¼ |b. 4 for 89¢

F 3/4" Knurled Knobs. Six black, silver-inlaid knobs. Brass insert, set screw. Fits 1/4" shaft. For radios, test equipment, experimental chassis of all kinds. 11/2" deep. 274-380. Ship. wt. 1/4 lb. 6 for 1.19 %" Knobs. Four attractive knobs to add a neat appearance to any type equipment. With brass insert, set screw. For standard \(\frac{1}{4}\)" shaft. \(\frac{3}{6}\)" depth. \(\frac{4}{6}\) for 69\$\$\epsilon\$ 

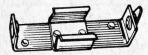
#### 9 VOLT BATTERY CLIPS



- Durable Plastic
- · Low, Low Price

Fits transistor radio and battery holder connectors. Has ½" spacing between male and female snaps. Designed to give long life and increased resistance to battery acid 

#### **ALUMINUM BATTERY HOLDERS**



Very sturdy construction. Ideal for mounting bat-teries on, breadboards. Ship. wt. 1/4 lb. each.

Cat. No.		Holds		Each
270-1432	1	"AA"	Cell	.20
270-1433	2	"AA"	Cells	.25
270-1434	3	"AA"	Cells	.39
270-1435	4	"AA"	Cells	.49

Cat. No. Holds		Cat. No.		s	Each
270-1436	1	"C"	Cell	.29	
270-1437	2	"C"	Cells	.39	
270-1438	1	"D"	Cell	.29	
270-1439	2	"D"	Cells	.45	

#### PLASTIC BATTERY HOLDERS

Great for replacement use in walkie-talkies and radios. Durable plastic for easy insertion of batteries. Shipping weight 1/4 lb. each.

Cat. No.		Hold	S	Each
270-382	2	"AA"	Cells	.39
270-383	4	"AA"	Cells	.45
270-388*	4	"AA"	Cells	.45
270-384	6	"AA"	Cells	.49
270-387	8	"AA"	Cells	.59

Cat. No.		Hol	ds	Each
270-385	2	"C"	Cells	.49
270-390	4	"C"	Cells	.59
270-386	2	"D"	Cells	.55
270-389	4	"D"	Cells	.69

 $^\circ$  Replacement battery holder for Realistic Patrolman Radios Cat. No. 12-626, 12-627, 12-628, and 12-629

#### PRECISION VERNIER DIALS



 Calibrated 0-100 Low 99c Positive Logging



5" VERNIER DIAL

• 8:1 Drive Ratio

- Half-Line Pointer
- 0-180 Logging Scale
- Positive 6:1 Drive Ratio

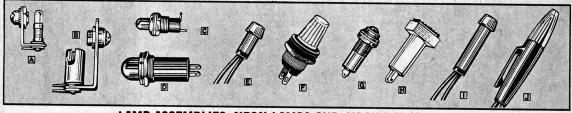
Ideal for calibration of instruments such as signal gen-

#### BATTERY HOLDER KIT



We Service What We Sell . . . Everywhere in the Nation

## Panel Lamps & Assemblies, Fuses & Fuse Holders



### LAMP ASSEMBLIES, NEON LAMPS AND CIRCUIT TESTER

A Miniature. Set of 3 includes 2 red, 1 green jewel with miniature 6V screw bulbs. Mounts in \( \frac{\pi\_4}{2} \) hole. 272-344. Ship. wt. \( \frac{1}{4} \) lb. 99\$\$

Panel Mount Lamp Assemblies. Set includes 1 red, 1 green domed lens. Takes miniature bayonet base bulb. Requires \( \frac{5}{4}'' \) mounting hole. Less bulbs.
272-320. Ship. wt. \( \frac{1}{4} \) lb.
1.39



#### **NEON & INCANDESCENT LAMPS**

Wide variety of lamps to fill most electronic and general purpose needs. For panels, appliances, cars, flashlights, toys, etc.

 NEON GLOW PANEL LAMPS
 \*High Brightness

 Cat. No.
 Type
 Watts
 Series Res.
 EACH

 272-1101
 NE-2
 ½
 200K
 2/39¢

 272-1102
 NE-2H\*
 ¼
 22K
 2/45¢

 272-1103
 NE-51
 ½
 200K
 2/55¢

 272-1104
 NE-51H\*
 ¼
 22K
 2/59¢

## MINIATURE BAYONET INCANDESCENT PANEL LAMPS ‡"Hi-Intensity"—Double Bayonet Contact

Cat. No.	Type	Volts	mA	EACH
272-1108	44	6.3	150	2/39¢
272-1109	45	3.2	350	2/39€
272-1110	47	6.3	150	2/39€
272-1111	49	2.0	60	2/39€
272-1112	1891	14.0	230	2/39€
272-1113	51	7.5	220	2/39€
272-1114	55	7.0	410	2/39€
272-1115	1847	6.3	150	2/45€
272-1116		12.0	15CP	39€
272-1117	93‡ 53	14.4	120	2/39€

FLASHLIGHT	LAMPS †Pre-F	ocus Penlite	Type-S	crew Base
Cat. No.	Туре	Volts	mA	EACH
272-1120 272-1121 272-1122 272-1123 272-1124	PR-2 PR-3 PR-4 PR-12 222†	2.38 3.57 2.33 5.95 2.25	500 500 270 500 250	2/49¢ 2/49¢ 2/49¢ 2/49¢ 2/49¢

MINIATURE	SCREW	INCANDESCENT	PANEL	LAMPS
Cat. No.	Туре	Volts	mA	EACH
272-1128 272-1129	40 41	6.3 2.5	150 500	2/39¢
272-1130	46	6.3	250	2/49¢ 2/39¢
272-1131 272-1132	48 14	2.0 2.47	300	2/49¢ 2/39¢
272-1133	50	7.5	220	2/39€

#### SUBMINIATURE PILOT LAMPS

		ong conn		
Cat. No.	Fig.	Volts	mA	Each
272-1139	Α	1.5	25	.49
272-1140	A	6	25	.49
272-1141	Α	12	25	.49
B Screw	base la	mps. Typ	e T-13/	4.
272-1142	В	6	100	2/.49
272.1142	D	10	75	2/40

Credit Plans to Fit Every Budget . . . Details at Your Nearby Store

F Miniature Panel Lamp Assemblies. 2 red, 1 blue jewel. 1\%" long with soldering lugs. For \(\frac{1}{2}\)'' mounting hole. Complete with 6V screw-in bulbs, mounting hardware. 272-323. Ship. wt. \(\frac{1}{4}\) lb. \(\frac{1}{2}\).

⊞ Rectangular Lamp Assembly. 3 jewel assemblies—1 red, 1 yellow, 1 amber. Built-in lamps. With dropping resistors, mounting clips. For 117V AC. ¾" mounting hole. 272-338. Ship. wt. ¼ lb. 1.19

#### **FUSE HOLDERS AND FUSES**

© Clip-in Fuse Holders. Set of two to hold  $1\frac{1}{4}x\frac{1}{4}$ " fuses. Lug terminal connections. Bakelite construction. 270-739. Single. Wt. 2 oz. .........2/49 $\xi$  270-740. Double. Wt. 2 oz. ...........2/59 $\xi$ 

D Panel Mount Fuse Holder. For 11/4x 1/4" fuses. Solder lug terminals. 15/6" long. Requires 1/2" mounting hole. 270-364. Ship. wt. 1/4 lb. .............49¢

#### F Fast-Acting Glass Fuses.

Cat. No.	Amps	Each
270-1270	1/4	3/59¢
270-1271	1/4 1/2 3/4	3/59¢
270-1272 270-1273	1 3/4	3/59¢
270-1274	114	3/49¢ 3/49¢
270-1275	1½ 2 3	3/49€
270-1276	3	3/49€
270-1277	4 5	3/49¢
270-1278 270-1279		3/39¢
270-12/9	10 15	3/39¢ 3/39¢
F, 7 - 1-00	••	3/396

#### G Slow Blow Fuses.

2/89¢
2/89€
2/89€
2/89¢

## Wire for Microphones, Speakers, Intercoms and Projects

#### MICROPHONE CABLE

Low loss, shielded cable for general-purpose extension use. Also as patch cords, intercon-

Cat. No.	Description	Ft.	Lbs.	EACH
278-1277	Single Conductor with Shield	20	11/2	1.39
278-1276	2-Conductor with Shield	20	11/2	1.39
278-1580	1 Shield, 2 un- shielded	15 20	1	1.29
278-1287	Lapel Mike	20	11/2	1.29
278-856	Audio Cable with wrap shield	25	1	1.39

#### **50-FOOT HEAVY-DUTY MICROPHONE CABLE**



Heavy-duty flexible microphone cable. Foam dielectric, rayon braid with tinned copper shield. Tough vinyl jacket. OD .200". Excellent high-impedance extensions. 

#### 25-FOOT MICROPHONE EXTENSION CABLE KIT



Now — extend your microphone up to 25 feet away. Single conductor shielded cable with connector at each end. Complete with adapter plugs for convert-ing microphone connector to a 1/4" phone plug or inline jack. 278-013. Shpg. wt. 11/2 lbs. 3.59

#### SHIELDED WIRE



For your hi-fi installation. Single conductor plus sheild.

278-1288	Shielded Grid or Phono	30	1/2	1.49
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#### INTERCOM WIRE



Quality non-shielded wire for use with wire intercom systems with or without protective jacket. Top grade wire to give you perform-ance at low cost.

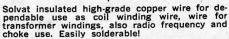
278-370	3-Conductor/jacket	100	2	3.69
278-854	3-Conductor no jacket	40	5/8	1.39
278-557	2-Conductor no jacket	100	1/4	1.69
278-855	3-Conductor with jacket	30	3/4	1.39
278-556	3-Conductor no jacket	100	11/4	2.69
278-555	4-Conductor			1.39
278-559	with jacket 2-Conductor	20	1/4	
	with jacket	100	2	2.49

#### **BELL WIRE**

Order plenty and save at these low, low prices.

Cat. No.	Description	Ft.	Lbs.	EACH
278-1297	#18 gauge Bell wire	65	1	1.19
278-558	#24 Three	120	11/4	1.39

## 1/4-LB. MAGNET WIRE



Cat. No.	Wire Gauge	Ft.	Wt., Lbs.	EACH
278-003	22	93	1/4	1.39
278-004	24	150	1/4	1.39
278-005	26	240	1/4	1.39
278-006	28	378	1/4	1.39
278-007	30	600	1/4	1.39
278-011	32	953	1/4	1.39



#### 75-FT. CLEAR-VIEW SPEAKER WIRE

18 gauge—polarized. Extremely low loss, ideal for use with new solid-state amplifiers. Also in place of lamp cord. Extra heavy duty. Ibs. 278-008. Ship. wt. 2

#### SPEAKER-WIRE



Increase the distance between speakers to get more true stereo sound. Run extra speak-ers and enjoy music through-out your home.

Cat. No.	Description	Ft.	Lbs.	EACH
278-1602	2-Conductor, Heavy-duty			
070 1007	Polarized	30	1/4	1.39
278-1387	2-Conductor #20 Plastic	100	5/8	2.99
278-1388	2-Conductor Polarized,		1	
	Clear	75	1/2	2.59

#### 75-FOOT MINI-SPEAKER CABLE



Lets you place speaker away from amplifier for more true-to-life stereo sound. Consists of 2 conductor #24 wire. Plastic transparent insulation. Can also be used 

#### ZIP CORD SPECIALS



Great for the builder for use as extension cords, speaker wire, antennas, and general hookup use. #18 gauge, top

278-864	2-Conductor	30		1.29
278-1264	2-Conductor	30		
	plastic	100	3	3.69
278-1301	Miniature #24 plastic	60	2	1.39

ANTENNA WIRE Ideal for Hams, and SWL's. Perfect for long wire antennas. Also a must for any grounding installation. Comes in 100-ft. coils. Shpg. wt.

278-1331. Copperweld #14 ...... 100 Feet 3.99 278-1332. 7x24 Bare Copper ...... 100 Feet 2.59

#### ANTENNA INSULATORS



Egg-shaped compress-type porcelain. High tensile 

#### **NAIL-IT KNOBS**



Grooved porcelain insulator is ideal for antenna cable pin down, phone wire lead-ins, 300 or 600 ohm open wire transmission line, other uses. Comes with 4" nail for better holding power. Size, 1\(\frac{1}{4}\times 2^{1}\times \frac{1}{4}\times 2^{1}\times \frac{1}{4}\times 2^{1}\times \frac{1}{4}\times 2^{1}\times \frac{1}{4}\times 2^{1}\times \frac{1}{4}\times 2^{1}\times \frac{1}{4}\times \frac{1}{4}\tim

#### **COIL FORMS**



B Top-quality loop stick type tunable coil form. Designed In the dual to the state of the 

## Buy Here for Real "Down to the Wire" Prices

RAINBOW WIRE PACKS

ldeal for intercoms, model trains, toys. Flexible parallel cable, each conductor a different color for easy identification. Polyvinyl Chloride (PVC) insulation to further resist temperature changes to provide an even low resistance. Gauge number 22 for easy



| Sistance: Gauge number 22 for easy | flexibility. Convenient 3 or 4 conductor | types in lengths to suit your every | need. Ship. wt. 1 lb. | 278-755. 2-Conductor, 38 Feet. | 1.59 | 278-756. 3-Conductor, 29 Feet. | 1.59 | 278-757. 4-Conductor, 25 Feet. | 1.59 |

**TEST PROBE WIRE** 

Plastic insulation, ideal for re-Plastic Insulation, ideal for replacement or extension use.
Comes in 25-foot lengths.
278-553. Red. Ship. wt. ½ lb.
1.19
278-554. Black. Ship. wt. ½ lb.
1.19

**HOOK-UP WIRE PACKS** 

Perfect for hobbyists and builders. Insulated tinned copper conductors. In lengths, size, and type to fit any requirement around the workbench. Order below.

SINGLE COLOR

Stock No.	Description	Gauge	Ft.	EACH
278-1291 278-1292	Solid Stranded	#18	60 55	1.19 1.19
278-1294	Solid	#20	80	1.19
278-1293 278-1295	Stranded Solid	#20	75 100	1.19
278-1296	Stranded	#22	90	1.19

3 ASSURTED CULURS

		O MODOINIED	COLONO		The state of the s
Ĭ	278-1302	Solid	#18	60	1.19
	278-1303	Stranded	#18	60	1.19
	278-1305	Solid	#20	75	1.19
	278-1304	Stranded	#20	60	1.19
	278-1306	Solid	#22	90	1.19
	278-1307	Stranded	#22	75 I	1.19
=					Median artificial

### 500-FOOT HOOK-UP WIRE PACK

Mammoth bargain! Five 100-ft. coils in popular colors. Sizes #18 thru #22, suitable for most wiring jobs. You get both solid and stranded types. A must for the hobbyist and experimenter. At this price can you afford to buy just one package? 278-1484. Ship. wt. 2 lbs. ...3.49

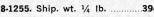


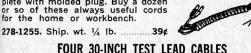
JUMPER LEAD CLIPS



#### 6-FOOT LINE CORDS

Features high grade #18 wire com-plete with molded plug. Buy a dozen or so of these always useful cords for the home or workbench.





#### FOUR 30-INCH TEST LEAD CABLES

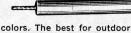
Every hobbyist and technician needs test leads! Insulated clips at both ends for safer handling. Durable, flexible cables in red, green, black, and yellow. Great for temporary hookups of any kind. Color coding prevents mixup of polarity or mix-



#### 75-FOOT TEFLON WIRE

Teflon-coated to protect your wire the same as the teflon on your pots & pans. High temperature wire. Meets Military specs. Stranded assorted colors. The best for outdoor installations

278-552. Ship. wt. 1/2 lb.



POLYFOAM COAX CABLE

Extra low loss, com-pared to standard di-electric. Ideal for ama-teur or CB use. Gives greater signal strength.

Order in multiples of



275 feet. 278-1325. RG8/U, 52 ohm. 278-1326. RG58/U. 52 ohm. (Not Polyfoam.) 278-1327. RG59/U. 75 ohm.

Per Foot 15¢ Per Foot 6¢ Per Foot 7¢

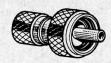
#### COAX CABLE CONNECTORS

Standard UHF type connections for Ham Standard UHF type connections for Ham and CB use. Has push screw-on-type lock. Ship. wt. ½ lb. 278-205. PL-259. 2 for 1.29 278-201. SO-239. Each 59¢ 278-1369. PL-259. Each 89¢ 278-206. UG-175/U, reducer for RG58/U. 2 for 39¢



#### SOLDERLESS COAX CABLE CONNECTORS

Quick, simple hookup. Eliminates the need to solder coax to con-nectors. Does away with bother-some shorts. Long-life construction. Ship. wt. 2 oz. 278-209. For RG58/U Cable. 2/1.49 278-210. For RG59/U Cable. 2/1.49





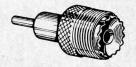
#### MOTOROLA-TYPE PLUGS AND JACKS

Specially designed for use in auto radios. Great for adding a tape deck for recording off the radio; a re-verberator kit for more true-to-life

sound. 274-711. Plugs. 4 oz. 3 for 59¢ 274-712. Jack Flanges. 1 oz. 2 for 59¢

#### COAX CONNECTOR ADAPTER

Specially designed to adapt the UHF type coaxial connector to the Motorola type standard pin plug. Common in-series adapter that should be a must for the Ham or CB'er. Also find use with police monitors as adapt-



278-208. Ship. wt. 1/4 lb. ....1.39

#### TELEVISION COAX CONNECTORS

Set of two Type CF59A connectors for attaching 72-ohm standard TV lead-in (RG-59/U) coax cable) to TV matching transformers and CATV type systems. With one rubber hood. 278-211. 2 CF59 Connectors, Hood. 69¢ 278-212. F-61 Chassis Connector. Mates with C F59 Connector. 2/69¢





#### HEAT SHRINKABLE TUBING

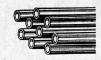
Contains 16 pieces. Just slip tubing over wire splice and heat with match or soldering iron or gun. Tubing shrinks 50% at +275 degrees F. Insulation of the tubing provides a maximum of 30,000 volts isolation. Can also be used to provide a common jacket to multiple wires.

270-1166. Ship. wt. ½ lb. ......99¢



#### ALL-PURPOSE INSULATION TUBING

Assortment of 32 strands of insulation tubing. Variety of sizes and colors. Average length 5". A must for the builder and experimenter for convenience as well as safety. Maximum insulation protection, 40,000 270-1188. Ship. wt. 1/2 lb. ..........59¢



# MULTI-PURPOSE CABLE KIT

## Printed Circuit Components for Hobbyists and Builders

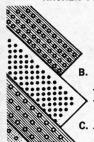
PRINTED CIRCUIT KIT INCLUDES EVERYTHING YOU NEED TO BUILD YOUR OWN PC BOARDS



- Custom-Design Your Own Electronic Circuits
- Great for Experimenter's Circuits, Projects, Etc.

Create your own complete printed circuit boards with this easy-to-use kit. Includes two 4½x3" copper clad boards, 2-oz. glass bottle of resist ink solvent, 6-oz. plastic squeeze z-oz. giass bottle or resist ink solvent, 6-oz. plastic squeeze bottle of etchant, resist ink pen, 1 pkg. layout strips and circles, one  $1\frac{1}{2}x2\frac{1}{2}$  scouring pad,  $\frac{1}{6}$  drill bit, one  $4\frac{1}{2}x2\frac{1}{2}$  deep plastic box for use as etching tank, instruction sheet. Simply draw schematic on board, immerse in etching solution—copper not covered by resist ink dissolves, leaving circuit design intact. Safe and harmless the same strip in the same stri 

#### ARCHER PERFBOARDS FOR EASY BUILDING



Low As

- . Ideal for Modular Construction
- Accepts Miniature Components
- · Phenolic and Copper-Clad · 1/6" Thick for Easy Mounting
- Breadboard of Permanent Types

#### PATTERNS FOR PERFBOARDS

Pattern	Grid Hole Centers	Hole Size
A	.265x.265"	3/32"
В	.187x.187"	1/16"
C	.100x.200"	1/16" 1/16"

#### PRE-PUNCHED PERFBOARDS

	Cat. No.	Pattern	Size	Price
	276-1582	A	35/8×67/8"	.59
	276-1583	A	61/8×93/4"	1.19
	276-1390	В	41/2 x55/8"	.69
	276-1391	В	55/8×9"	.99
	276-1392*	C	41/2 x55/8"	.69
•	276-1393*	C	55/8×9"	.99

\*Alternate Grid

#### SOLID COPPER-CLAD BOARDS

Cat. No.	Size	Price
276-1586	35/8×67/8" 67/8×93/4" 5×113/4"	.79
276-1587	61/8×93/4"	1.59
276-1589	5x113/4"	1.59



Set of 10

#### SET OF 10 PRE-PUNCHED PERFBOARDS

For easy, quick, accurate design and construction of your own circuits.  $\gamma_{hb}^{\alpha}$  and  $\gamma_{h2}^{\alpha}$  hole sizes, straight and alternate grids. Assorted sizes, 1½-3" square. 276-1575. ½ lb. ...... 10 for 1.19



#### 10 COPPER-CLAD PERFBOARDS

Perforated and solid copper-clad Perforated and solid copper-ciad boards. Easy to use, simply install components and etch out the circuit. Board itself is phenolic. Handy for schools, workshop, workbenches. shop, workbenches. 276-1580. 11 oz. ......10 for 1.39

### PC COMPONENTS AT LOW PRICES



10 POSITIVE BINDING POSTS

 Highly Conductive—Brass Plated Accepts Banana and Spade Lugs

Insulated for Short Protection

For perfect solderless connections in any type of circuit. Brass-plated steel for high current carrying capacity. 5/4" long, 5 red, 5 black. 276-1542. Ship. wt. 3 oz. ......................10 for 99¢

## SPADE LUGS WITH JACKS

- For Easy Perfboard Mounting Sturdy Open-End Types
- Phenolic Insulators Set of 10

#### **ALLIGATOR CLIPS**



- Insulated Phenolic Barrels
- Brass Plated Steel
  - High Current Carrying Capacity

#### SPRING BANANA PLUGS



Set of 10

- For 1/16" Hole Perfboards
- Forms Positive Connection
- 1" Length for Miniature Uses

Strong spring banana plugs make excellent terminal connections. For a variety of experimental and hobby uses. Easy to mount. 270-1543. Ship. wt. 2 oz. ......10 for 99¢

#### FAHNESTOCK SPRING CLIPS



- High Conductive Brass
- Perfect for Breadboard Uses
- Long-Lasting Connections

For positive solderless connections. Contains 8 single  $\frac{3}{4}$ " long clips and two double  $1\frac{1}{2}$ " long clips. Nickel-plated brass. 270-393. Ship. wt. 1 lb. ...... 10 for 69¢

#### **METAL SPACERS**



 Provides Easy Access to **Bottom Mounted** Components

Set of

• Fits #2, 4 or 8 Screws

Assortment of ½", ½", ¾" and 1" metal spacers for raising perfboards and components for easy access. Long-life construction, highest quality. 270-1393. Ship. wt. ½ lb. ......48 for 1.49

### 10 PC BOARD MOUNTING BRACKETS

- "Z" and "L" Shapes
- For Positive Mounting

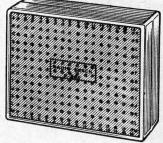
Set of 10 Set of five each "Z" and "L" brackets for 

## Perfboards and Perfboxes for the Builder

#### **EXCLUSIVE! EXPERIMENTERS "P-BOX"**

- Parts Mount Without **Cutting Tools**
- Transparent Hinged Lid





Specially designed and engineered for the electronics 

#### PRINTED CIRCUIT ETCHANT SOLUTION



- Completely Removes Copper From Perfboard
- Safe, Easy, Fast to Use

The fast, easy way to make your own printed circuits—a "must" for hobbyists and builders! Special ferric chloride solution is safe and harmless to use. Removes excess copper from desired circuit pattern leaving your circuit intact. Will not harm or damage board material in any 

#### HANDY "PUSH-IN" TERMINALS



- 100-Piece Assortment
- Holds Multiple **Leads Securely** Without Staking

Designed for use with pre-punched perfboards — assures positive ter-

#### 20 SOLDERLESS SPRING TERMINALS

- Perfect for Experimental Projects and Changing Circuits Quickly
  - Gives a Strong, Positive Connection Without Soldering

A "must" for setting up solderless perf-board projects — leads slip in between the spring coil for a binding contact that won't loosen. Terminals accept up to 8 leads, have excellent current carrying capacity. Ideal for miniature uses. 

#### **NEW! CIRCUIT BOARD SUPPORT BRACKETS**



 For Easy Access to Bottom **Mounted Components** 

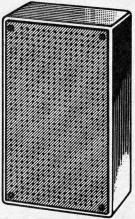
Raise perfboards to provide clear-ance for components and terminals mounted on bottom side. All aluminum construction. Mounting holes on both sides of bracket let you attach boards easily. 1x8" 270-1549. Wt. 3 oz. ......79¢

#### **PERFBOX**

**Build Professional Projects** Without Chassis Cutting, Without Drilling!

- With 31/2×6" Pre-Drilled Perfboard
- Drilled 21/4" Speaker Grille





Removable perfboard front for easy component wiring,  $\frac{1}{4}''$  diameter hole in side serves as outlet for speaker wire, line cord or harness. Rear pre-drilled for  $2\frac{1}{4}$ ' or other speaker. Hole dia., .062". Bakelite case,  $3\frac{3}{4}$ x 

### 5-Piece PANEL SET

- 3 Perfboards
- 1 Aluminum Panel
- 1 Bakelite Panel

Specially made for our PERF-BOX above. 1/16" thick—for most miniature components and connectors. Panels 3½x6". Perfboard hole dia., 270-100. 1½ lbs. ..... 1.69

#### COPPER-CLAD PATTERNED PERFBOARDS

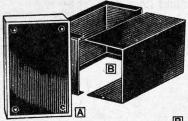


198 • For Easy Transistor and Terminal Mounting

Ideal for Circuit Tests

Perfect for use in practically any 

### **BUILDER'S BOXES FOR MOST ANY PROJECTS**



A Variety of Sizes for Virtually Any Use

Easy to Use-Sturdy Construction for Long Life

#### A BAKELITE "MINI" UTILITY CASES

Heavy-duty construction. Removable aluminum cover for easy access to parts and components.

Stock No.	Size	Each
270-230	31/4×21/8×11/8"	.79
270-231	4x21/4x21/4"	.89
270-233	5 1/16x2 %x1 %"	1.09
270-627	61/4x33/4x2"	1.19
270-232	73/4 x4 3/8 x2 3/8"	1.69

## B ALUMINUM "MINI" BOXES

Punched screw holes allow easy assembly. Lightweight, sturdy construction for long

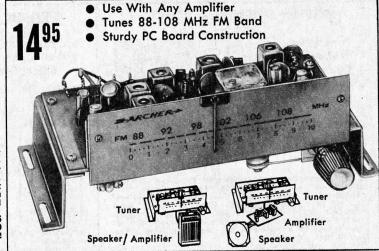
Stock No.	Size	Each
270-235	23/4×21/8×15/6"	1.19
270-239	4x21/8x15/8"	1.29
270-236	4x21/4x21/4"	1.39
270-237	61/4x33/4x2"	1.49
270-238	73/4 x43/8 x23/8"	1.59

## Build Your Own Low-Cost, High-Performance FM Receiver System

### Miniature FM Tuner

Compact tuner runs on a 9-volt battery . . . the perfect addition for a go-anywhere sound system!

Start building your own inexpensive FM receiver system with this miniature FM tuner. Gives you the sound qualify and response you'd expect from a phono response you'd expect from a phono system. Can be used with any amplifier. Operates on one 9-volt battery (below)—use it with battery-operated amplifier below and take great FM music anywhere. Sensitivity of less than 5 µV for 10 dB S+N/N. IF frequency of 10 MHz. Single knob tuning. Solid-state circuit assures cool dependable operation. With complete easy-to-follow instructions. FM 



## Miniature Audio Amplifier Chassis for the Budget-Priced System

### **Choose from 3 Amplifier Chassis**

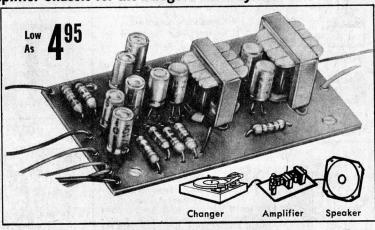
Battery operated chassis are fully wired and ready to use

Fully-wired, solid-state. Battery operation. Response up to 15,000 Hz.

100-mW Output, 4 Transistors. Gain: 1 mV input for 100 mW output into any 8-12 ohm load. 2500 ohm output impedance at 1 kHz. Size 3x%ex\%e^\*. Order 9-V battery above. 

350-mW Output, 5 Transistors. Inputs, 5000/10,000 ohms. For 8-12 ohm speakers. 4x2x¾". Order 9-volt battery above. 277-1557. Shpg. wt. 6 oz. ...............................5.95

1-Watt, 4 Transistors. Input, 5000 ohms. Output, 8-12 ohms. 2x3 3/x1 1/4". 1 lb. 277-038. (Takes 8 "D" batteries)....6.95



## Get Both Speaker and Amplifier in One Compact Unit, One Low Price

### Mike Replacement Cartridges



Crystal

General-purpose High impedance. 50 - 8,000 Hz response, sensitivity of -55 dB. Size, 1½x ¼". 270-095. Ship. wt. 8 oz. ......89¢



Magnetic



tuner amplifier

··· 0000 ····

200mW Speaker/Amplifier Compact battery-operated unit

Compact combination speaker/amplifier comes housed inside a pocket-sized high-impact case. Fits almost anywhere. Ideal for use as a personal extension speaker. Can be used with electronic projects, telephones and phonos. Battery-operated for complete mobility . . . use it with portable systems. All solid-state components asure long reliable life. High-gain transistor amplifier with output and driver transformers. Sensitivity, 3 mV. Miniature two-inch speaker delivers clean 300-12,000 Hz response. On-off/volume control. Complete with input jack, plug, and cable. Order 9-volt battery (above). 2%ex 3%x1%". 



Use as a telephone

amplifier with phone

## Knight-Kit and Science Fair – America's Favorite Kits

# EASY-TO-BUILD KITS THAT GIVE YOU MORE THAN YOU PAY FOR!

Knight-Kits bring you the finest in lab-quality test instruments and stereo hi-fi—all with detailed and illustrated instruction manuals and many with famous Modular Concept Assembly (all you do is interconnect the already wired circuit boards). They're your best buy for precision instruments at low "kit" prices. Check our extensive line of Knight-Kits in this book and at our stores —you'll be glad you did!



# EDUCATIONAL KITS LET YOU LEARN ELECTRONICS AND HAVE A GOOD TIME!

Science Fair kits are America's favorite—for beginners, students, anyone who's interested in electronics. All are easy to build, with instruction manuals that fully cover theory and operation. And they're fun to use—unusual radios, metal locater, strobe, others. Many feature our exclusive P-Box Concept—the entire kit package is useful in forming the chassis board and a clear-plastic cover!

## **Knight-Kit and Science Fair Ordering Information**

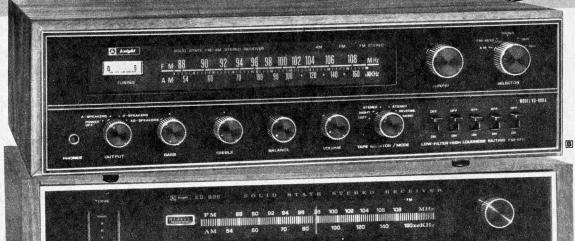
All 48 Science Fair Kits and 24 of our Knight-Kits Are In Stock at Our Over 1000 Stores Coast-to-Coast

The following 19 Knight-Kits are available ON SPECIAL ORDER from Any Allied Radio Shack store—for prompt delivery from your local store's regional warehouse.

Page	Stock No.	Description	Page	Stock No.		Description	Page	Stock No.	Description
102	29-3700	KG-865 Stereo Amplifier Kit	118	29-3381	KG-833	Photo-Relay Kit	124	29-3922	KG-691 Transistor
102	29-3923	KG-988A 100 W Stereo Receiver Kit	122	29-3985	KG-682 VOM Ki	30k Ohms/Volt	124	29-3212	Checker Kit Tube Checker Kit
102	29-3950	KG-996 240 W Stereo Receiver Kit KG-606 Deluxe Color	122	29-3987	KG-684 VOM K	100k Ohms/Volt	124	29-3992	KG-679 Signal Injector/
107	23-3224	Organ Kit	123	29-3316	KG-203	Remote Switch Kit	125	29-3952	KG-696 RF Signal
111	29-3322	KG-711 Depth Meter Kit	123	29-3378	LC-2 Co	de Oscillator Kit			Generator Kit
112	29-3908	48-in-1 Electronic Lab Kit	124	29-3201	WC 677	Transistor Checker	125	29-3990	KG-694 Std. FET VOM Kit
116	29-3115	Star Roamer II Receiver Kit	124	29-3201	Adapter		125	29-3975	KG-625 VTVM Kit

Stereo Hi-Fi That's Worth Twice the Price! see







### BOTH RECEIVERS WITH EXCLUSIVE "MODULAR CONCEPT" FOR REALLY EASY ASSEMBLY!

Simpler to Build. Most parts are mounted and soldered on PC boards. Boards mount quickly and easily on chassis. All you do is solder interconnections! Satisfaction and Enjoyment. You have the satisfaction of assembling the kit yourself PLUS the dependability of a factory assembled model.

Better Performance, Better Reliability. Critical PC boards are wired and 100% aligned at the factory for greater stability, extra dependability!

## A 240-WATT AM/FM STEREO RECEIVER KIT

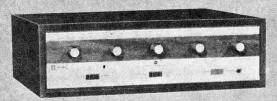
SPECIFICATIONS. Power at 4 ohms: 240 watts  $\pm 1$  dB, 190 watts IHF, 124 watts rms. Response:  $\pm 1$  dB, 20:30,000 Hz. Harmonic Distortion: 1%. FM Sensitivity: 2  $\mu$ V. Separation: over 30 dB. AM Image Rejection: —45 dB. Size: 5x  $18\frac{1}{2}x14\frac{1}{2}$ ".

### **100-WATT AM/FM STEREO RECEIVER KIT**

Model KG-988A. A full-feature kit at a great low price! Silicon transistors, FET's and IC's, transformerless circuit. Has signal-strength meter, flywheel tuning; bass, treble, volume and balance controls. Loudness switch, scratch and rumble filters, all inputs and outputs. Includes oiled walnut WOOD case. AC
29-3923. See page 101. Wt. 24 lbs. 199.95

SPECIFICATIONS. Output at 4 ohms: 100 watts ±1 dB, 80 watts IHF, 50 watts rms. Response: ±1 dB, 20.30,000 Hz. Harmonic Distortion: 1%. FM Sensitivity: 2 µV. Separation: over 30 dB. AM Image Rejection: —70 dB. Size: 5\(^3\cup x17\(^3\cup x14\)\(^1\cup z''\).

## 60-WATT SOLID-STATE STEREO AMPLIFIER—GREAT SOUND, LOW KIT PRICE!



Output at 4 ohms: 60 watts ±1 dB, 50 watts IHF, 30 watts rms. Response: ±1 dB, 18-30,000 Hz. Bandwidth: 20-20,000 Hz at 1% Harmonic Distortion. Separation: over 50 dB. IM Distortion: under 1% at 60 and 7000 Hz. Size: 31%a×13×10".

7995 Get It on Credit

Makes An Ideal Add-On Amplifier for New Four-Channel Systems

Model KG-865. Medium-power stereo, perfect for small stereo systems—or in moving up to 4-channel sound. Has silicon transistor circuit, heavy-gauge aluminum front panel with good-looking walnut inserts. Inputs for mag. cartridge, tuner, aux., outputs for speakers and headphone jack. Full controls.

29-3700. See page 101. Wt. 10 lbs. 79.95 29-3713. Walnut Wood Case for Above. 14.95

Retail prices shown in this catalog may vary at individual stores

## Science Fair Solid-State Stereo Component Kits EASY ASSEMBLY EVEN BY BEGINNERS - GREAT HI-FI SOUND!



PHONES

Stereo Headphone Jack

Solid-State Circuit

input for magnetic phono, tuner, aux. Walnut wood case, 

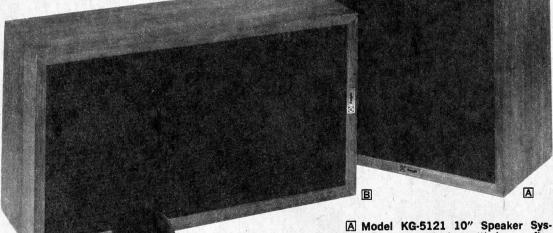
## **Build-'em-Yourself Speaker Kits**

LOOK AND SOUND LIKE THEY COST TWICE AS MUCH!



## NEW FOR '72

- Walnut Finishing Kit Included for a "Custom Design" Professional Look
- Thick ¾" Wood Construction for Deep Powerful Bass Without Resonance
- Speaker Elements of the Highest Quality for Sound As Natural as the Original



Do-it-Yourself Walnut Finish B Model KG-5120 8" Acoustic Suspension System. Small enough for just about any stereo setup—yet has sound and features of models costing many \$\$ more! 8" dualcone woofer has 1½-lb. ceramic magnet structure, 1" copper voice coil. 3½" conetype tweeter has 2-oz. Alnico V magnet structure, 9/16" copper voice coil. Electrical crossover divides frequency spectrum for smooth overall response from 45-18,000 Hz. Power capacity, 12 watts (24 watts peak); 8 ohms impedance. With walnut finishing oil, matching dark brown grille cloth. 12x 22x8".

29-4300. Ship. wt. 21 lbs. 39.95

## Headphone Hi-Fi at Money-Saving Kit Prices

MORE SOUND FOR YOUR MONEY BECAUSE YOU BUILD 'EM YOURSELF!

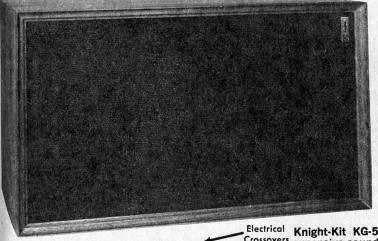


- Listen At ANY Volume Only YOU Hear the Music
- Lightweight for Long Wear Without Fatigue

Knight-Kit KG-902. A penny-pinchin' price for stereo that sounds like a million! Features padded earcushions and headband, adjustable thumbwheel volume control on each earcup. Earcups are specially shaped to block out room noises, chromed metal parts. 50-17,000 Hz. 8-24 ohms. With detailed instructions. 29-3389. Ship. wt. 2 lbs. 19.95



- Adjustable Headband and Soft Earcushions
- Instructions for Easy One-Evening Assembly



12" Three-Way Speaker System Kit For Great Sound, Good Looks!



79<sup>95</sup> Get It On Credit

Walnut
Finishing
Oil Included

Level
Control

Acoustic-Suspension
12" Woofer

Electrical
Crossovers

Compression
Midrange

Electrical Crossovers Knight-Kit KG-5122. Our best speaker kit! Here's expensive-sounding hi-fi at an economy price. Features 12" woofer with hi-power 2½-lb. magnet structure, 3½x8" compression midrange and horn-loaded dome radiator tweeter. Two crossovers distribute frequencies for smooth 30-20,000 Hz response, control at rear for midrange and tweeter level. ACOUSTIC-SUSPENSION design enhances bass response. Power capacity, 30 watts (60 watts peak). 14x24x123%". With finishing kit. Easy assembly.

## Really Brighten-Up Your Next Get-Together!

EASY-TO-BUILD KITS FOR DAZZLING LIGHT DISPLAYS!



Three-Channel Color Organ Kit

Slide-Pot Controls for **Brilliance Adjustments** 

 Wood Grain Vinyl Cabinetry

• "3-D" Three-Color Light Display

Science Fair. Brighten-up any party, add colors to your group or combo! Solid-state circuitry makes reds, blues and greens dance to your musical beat! Has slide-pot brilliance controls for each channel, stylish wood grain vinyl cabinet. Audio input—1/4-W min., 80 W max. 18x83/4x41/2". AC. Detailed instructions. 28-137. Shipping weight 10 lbs......

29.95

## **Adjustable Strobe Kit** "Freezes" Motion for Stunning Effects



Slide Controls

- Create Far-Out Effects for Parties and Get-**Togethers**
- 100's of Hobby and Mechanical **Applications**

Science Fair. Our "light fantastic" in an easy to build kit. Casts a vivid blue light over the action—"freezing" it in "stop-motion" or pulsating to any rhythm you choose. Also use as timing light, or in photography. High-Low intensity, Low-Medium-High speed switches. With all 28-172. Ship. wt. 2 lbs. 19.95

## Deluxe Adjustable Strobe Kit-**Adds Visual Excitement to Music**



- Adjusts from 60-600 Beats Per Minute
- Flashing Light Distorts Motion and Timing
- Makes Your Room "Vibrate" with Light

Knight-Kit KG-323. Get in on the psychedelic sensation that's sweeping the country! Features solid-state circuit, xenon strobe bulb. Has on-off rate control, good-loking oiled walnut veneer case. With detailed assembly instructions. 101/8 x 71/8 x6". AC. 29-3210. Ship. wt. 5 lbs. 29.95

## Sit Back, Relax and LIGHT UP — With Kits of Sparkling Color!

SCIENCE FAIR COLOR ORGAN/ THREE-CHANNEL LIGHT CONTROL

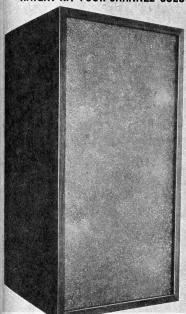
Make Lights and Colors
Dance to YOUR Beat!

29<sup>95</sup>

- It's A "Color Organ" for Fascinating Light Shows
- It's A "Color Control" for Shows You Arrange Yourself



#### KNIGHT-KIT FOUR-CHANNEL COLOR ORGAN KIT-



"SEE"
MUSIC
IN
ENDLESS
"3-D"
COLOR
PATTERNS

 $69^{95}$ 

Model KG-606. Has separate controls for red, yellow, blue and green, separate sensitivity control to adjust intensity. Each color responds to a different frequency range to create an always-changing display—you actually "see" the music! Solid-state, walnut-veneer case. 15x30x11". AC. 29-3224. See page 101 for availability. Ship wt. 15 lbs. 69.95

#### SCIENCE FAIR FLASHING "PSYCHOLITE" KIT FOR A DAZZLING FANTASY OF LIGHTS

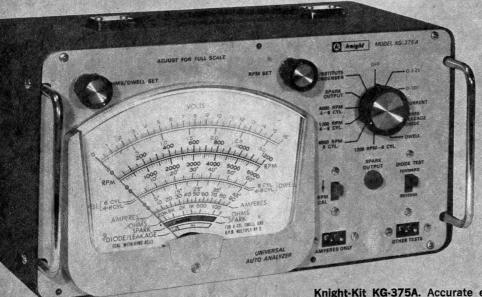
- · Create "Discotheque" Effects
- Handle Up to 600 Watts
- Doubles As Light Dimmer When



## Never Pay for a Car Tune-Up Again!

PRO-QUALITY AUTO TESTERS IN EASY-TO-BUILD KIT FORM





**PORTABLE SOLID-STATE AUTO ANALYZER** KIT

Get It on Credit



Detailed 48-page Tuneup Manual



Step-By-Step Assembly Instructions



Operation Manual for Easy Setup

Knight-Kit KG-375A. Accurate enough for "pro's," easy enough for week-end mechanics! Eliminate expensive bills by doing your own tune-ups and troubleshooting. The 7½" D'Arsonval meter has scales for volts, ohms, amps, rpm, dwell angle, spark output and leakage. Metal case with roll bars and carrying handle. Single function switch for operating ease. Battery-powered for actual road performance tests. For 4, 6, 8-cylinder engines, 6, 12 volts, positive or negative ground. With instruction and operating manuals, 90-amp shunt, four "C" batteries.

HIGH-INTENSITY TIMING LIGHT KIT-SUPER-BRIGHT FOCUSED FLASHES

**Built-in DC Power Supply Provides** Flashes Bright Enough for Timing Adjustments Even in Daylight

Knight-Kit KG-371. Helps you tune and adjust any engine! Checks ignition timing, synchronization of double breaker arms, automatic spark advance, distributor cam wear. High-intensity 600-volt flashtube generates super-bright flashes focused by a special light-concentrating lens. Up to 1250 flashes per minute. High-impact housing, trigger switch. With insulated clips, all cables, spark plug adapter. 6, 12 V, pos. or neg. ground. 7x8<sup>3</sup>/<sub>4</sub>x2". 29-3312. Ship. wt. 2 lbs. 19.95



## The Auto Ignition System of the Future -- Here NOW!

Easy One-Evening Assembly

In-Out Switch for Instant Performance Comparisons

Installs With NO Rewiring

Develops 50% More Spark Energy

Up to 10-20% Better Gas Mileage

Knight-Kit KG-397. Finest ignition system we've ever sold! More than pays for itself in money saved and top performance. Develops 50% more spark energy for complete combustion — spark magnitude is 3-5 times normal for faster acceleration and quicker starts even in sub-zero weather. Get 3-10 times longer plug life, 10-20% more mileage, cleaner exhaust for less air pollution. In-Out switch for instant performance comparison with your present system. Weather sealed case. We think this type of ignition will be standard on most cars by 1975! Why waitget this one TODAY! 29-3203. Ship. wt. 3 lbs.





4CYL DOUBLE SCYL. RPM×100

Battery-Powered "Junior" **Auto Analyzer Kit** 

For Easy, Electronic Tuneups on Any Car with 4, 6, 8-Cylinder Engine

Knight-Kit KG-303. One of the handiest test instruments you can have! Full-size 2½" meter has scales for rpm, dwell angle, voltage. Compact size and battery-operation let you make actual road performance tests. Tachometer scales help you set idling and automatic transmission shift points, dwell meter tests points, distributor and spark advance, voltmeter measures battery and voltage to any point in your car. 6½x3¾x2½″. For 6, 12-volt systems. With battery.

29-3327. Ship. wt. 3 lbs. ..... SPECIFICATIONS. Voltmeter Range: 0-16 volts. Tachometer Ranges: 0-1200, 1600, 4500 and 6000 rpm. Dwell Meter Ranges: 0-45° and 0-60°. Accuracy on All Ranges: ±6% of full scale. Controls: Tach Hi-Lo, RPM Set Control, Dwell Set Control, Meter Adjust Control. Electronic Auto Ignition System Kits SEASY TO BUILD, EASY TO INSTALL — NO REWIRING!





Capacitive-Discharge Ignition System Kit— A Years-Ahead Design — Here NOW!

2995

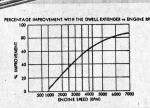
- Installs in Car or Boat in Just 10 Minutes
- Similar to Factory-Option Systems Costing Up to Twice As Much or More
- Improves Your Gas Mileage From 10-20%

Knight-Kit KG-372. Offers dramatic performance improvement. Provides more complete combustion for increased mileage; 3-10 times longer plug life; fast starts in any weather. Uses advanced SCR switching, 400-volt discharge pulse. You can build it in one evening! 3x5½x3½″, 12 VDC, neg. or pos. grd. 29-9575. Ship. wt. 2½ lbs. 29.95

SCR Electronic Ignition Kit for "Electronically Fired Spark"

- Substantially Reduces Exhaust Emissions
- Doubles Spark Energy at High Speeds
- 65-95% More Spark Power Reduces Fouling

1295



## Motor Speed Control/Light Dimmer Kit for AC-Only and AC-DC Motors

 Dimmer Handles 600 Watts Lighting

 Grounded Output for Safe Operation 995

Science Fair. Only device we've seen that handles both AC-only devices (fans, blenders, recorders, etc.) and AC-DC units (power tools). Handles up to 6 amp motor or 600 watts lighting. Uses space-age "quadrac" (equal to 2 SCR's and trigger diode). Has speed control knob, three-wire receptacle. For 117 VAC. Easy to build with comprehensive assembly and operating manual. 28-170. Ship. wt. 2 lbs. 9.95



## Low-Cost Accessories for Your Car, Your Boat

GET MORE PLEASURE ON THE ROAD OR ON THE WATER

## EXCLUSIVE AUTOMATIC WIPER CONTROL KIT ELIMINATES MANUAL ADJUSTMENTS

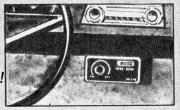
Just Set the Dial for One Full Sweep of Windshield Wipers from Once a Second to Once a Minute—Automatically!

1495

Model KG-301. Not a luxury, but an important aid to driving convenience and safety! Forever ends "dry-wiper" action so common in light rain, mist or spray. Prolongs wiper blade life by reducing dry-wiper action 90% or more. For 12-volt electrical wiper systems—installs by clamping two wires across regular wiper control. Features Knight-Kit's famous ease of assembly—all you need is a screwdriver, pliers and soldering iron. With all parts, instructions. 2x4x2".



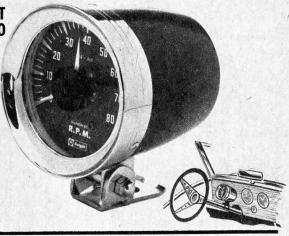
VERY COMPACT! USE IT IN ANY CAR WITH 12-VOLT ELECTRIC WIPERS



ILLUMINATED AUTO/MARINE TACHOMETER KIT DRIVE LIKE A "PRO," GET BETTER MILEAGE TOO

All-Electronic Design Compensates for Changes in Voltage and Temperature—Mounts on Dash, Panel or Steering Column **17**95

Model KG-340. Tells you exactly when to upshift, when to down-shift for maximum power at all times! Just set "red-line" pointer to proper shift points. For any 4, 6, 8-cylinder engine, 12-volt system, positive or negative ground. Reads 0-8000 rpm. Accuracy, ±2%. Deflection Angle, 240°. Shock/vibration resistant. 3½" dial, rotatable bezel. Black with chrome finish. 29-3330. Ship. wt. 2 lbs. 17.95



### **ULTRASONIC DEPTH METER/FISH LOCATOR KIT**

7495

Takes Depth Soundings and Prevents Going Aground! Spots Schools of Fish and Larger Individual Fish— Get a Bigger "Catch" Every Time!

Model KG-711. Uses ultrasonics ("silent sound") for professionally accurate depth readings. Transducer sends out ultrasonic waves which bounce back as visual "echoes" on the fish/depth dial. Takes depth soundings to 200' on hard bottoms, 100' on soft bottoms. Battery powered; jack for external 12VDC source too. With mtg. bracket, dial sun shade. 5x5x5½."



Thin Flash
Shows Water
Depth





Wide Flash Shows Uneven, Sloping Bottom

FREE Tube Testing Available at Every Allied Radio Shack Store

GREATEST ELECTRONIC LAB KIT EVER! Scient

100 DIFFERENT CIRCUITS! ALL UNIQUE!

\* 100 IN 1 ELECTRONIC PROJECT KIT



Integrated Circuit

= IC UNIT =

Available Sept. 15

## Science Fair **IOO**INI PROJECT KIT

HOOK UP EXCITING PROJECTS THAT REALLY WORK! CHANGE CIRCUITS WITH NO SOLDERING!

Start your youngsters on the road to a really rewarding hobby with this new and different kit! Projects using latest electronic principles show the "how" and "why" of functioning circuits. Build radios, amplifiers, code oscillators, computer circuits—even has plans for strobe light, lie detector and Cds photometer! Integrated circuit section for latest projects—instruction manual shows how to wire each project, covers theory, explanation. Parts are mounted on panel with spring-type connectors; build projects by making wire connections to each terminal—no soldering, no tools needed. In fitted case, 17½x11x2". Battery powered—100% safe!

28-220. Ship. wt. 7 lbs. Start your youngsters on the road to a really rewarding hobby with

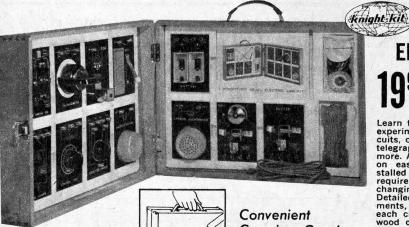
Included with 100-in-1 Kit



112

**EDUCATIONAL** MANUAL

214-page manual chock full of project and educational information!



Carrying Case!

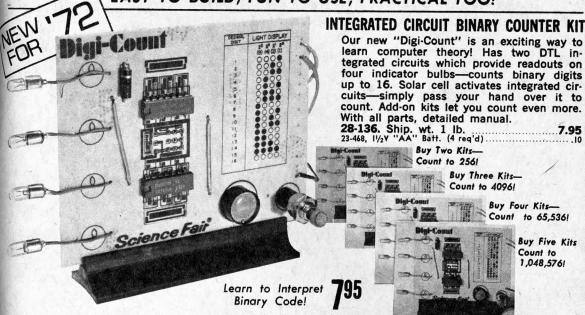
48-in-1 **ELECTRIC LAB KIT** 

Perform a Total of 50 Experiments - Spring Connectors, NO Soldering!

Learn the wonders of electricity! Perform Learn the wonders of electricity! Perform experiments with series and parallel circuits, operating lamps, bells and buzzers, telegraph and telephone circuits, much more. All parts are included and mounted on easy-to-handle modules with pre-installed spring connectors. NO soldering required — simply change circuits by changing leads. SAFE battery operation. Detailed manual illustrates all experiments, has easy-to-follow explanations of ments, has easy-to-follow explanations of each circuit. All parts are mounted in a wood carry case. 17½x11x4". (See page 101 for availability.)
29-3980. Ship. wt. 7 lbs. 19.95
23-467. "C" Cells (2 Req'd.) Ea. 17¢

Fascinating Kits for "Junior" Engineers

EASY TO BUILD, FUN TO USE, PRACTICAL TOO!



## **BUILD THESE 20 EXCITING PROJECTS!**

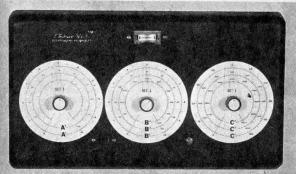
Crystal Radio	Diode Radio	Solar Radio	Solar Oscillator
Lamp/Tone	Oscillator	Light	Communication
Oscillator		Communication	Station
Solar Alarm Clock	Burglar Alarm		Rain Alarm
Resistance	Signal Tracer	Continuity	Transistor
Tester		Tester	Switch
Solar	Telephone	Hum,	Emergency
Amplifier	Amplifier	Noise Generator	Light

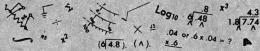
Available Sept. 15



A ton of fun for beginning electronics students. Features electrical-component modules which you change around and interconnect to build different circuits. No soldering, spring-type connectors. With detailed instruction manual.

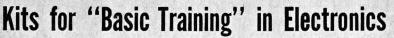
28-245. Ship. wt. 3 lbs. 9.95 23-468, I<sup>1</sup>/<sub>2</sub>Y "AA" Battery ('2 req'd) 10





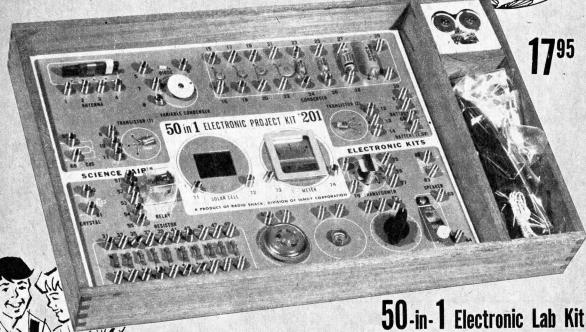
## ANALOG-TYPE COMPUTER KIT -100's OF USES IN HOME OR OFFICE

Be a mathematical wizard! Perform difficult computations in multiplication, division, square and cube roots, log functions, and reciprocals. Has two sensitivity ranges, easy to read dials. With detailed manual, molded plastic case.
28-180. Ship. wt. 6 lbs. 14.95
23-464, 9Y Battery (I req'd) 35



LEARN AS YOU BUILD! IT'S FUN! IT'S INEXPENSIVE!





Meter Solar Cell

Transformer



PM Speaker

- **Demonstrate Theory and Practice of Modern Electronics**
- Spring-Clip Terminals for Solderless Construction
- Build and Change Circuits by Simply Changing Wires

Fascinating for any youngster, any student! 56-page manual has easy-to-follow instructions and illustrations for 50 fundamental electronic projects. Build germanium transistor radios, a radio telegraph, nome broadcaster, water purity indicator— 15 separate solar and solar energy experiments. Easy spring-clip construction lets you build and change circuits by simply connecting leads-no soldering or tools needed. All parts including batteries come in a handsome fitted hardwood case for easy portability and access. Get your favorite youngsters started in this fascinating hobby today. 171/2 x 11 x 2" 28-201. Ship. wt. 5 lbs. .......



#### 10-IN-1 SCIENCE FAIR LAB KIT



23-464, 9-V. Batt. (I req'd) .....

## Science Fair Radio Kits for Really Exciting Listening!

AVIATION! POLICE! FIRE! BUSINESS! SPORTS! NEWS! MUSIC!



Frequency allocations may differ in your area. Check with your local authorities for the frequences used.

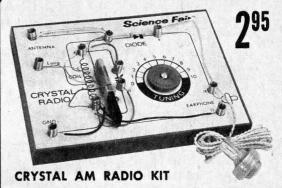


Offers hours of entertainment—priceless education! An ideal first kit for students or aspiring hobbyists. Works on batteries or solar cell. Easy no solder construction. Includes all parts, earphone, solar cell and a detailed operating and assembly manual with easy-to-follow instruction and illustrations. Get your favorite youngster one today—it's a great ciff!

one today—it's a great gift!

28-214. Ship. wt. 2 lbs. 4.95

23-464. 9-Volt Battery. (1 Req'd.) Each 35¢

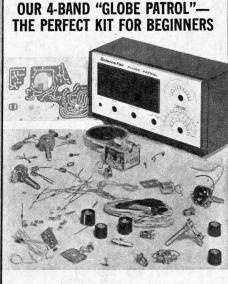


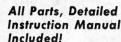
## **Globe-Spanning Shortwave Kits**

TUNE IN FASCINATING SHORTWAVE—LEARN ELECTRONICS TOO

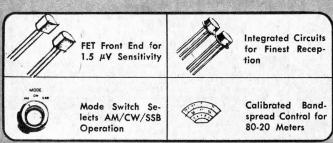












#### **DELUXE SOLID-STATE VERSION** OF OUR FAMOUS STAR ROAMER® AM/SHORTWAVE RECEIVER KIT

- Tunes AM, LW, Three SW Bands
- Switchable ANL Cuts Static
- Brandspread for Easy Tuning
- Antenna "Trimmer" Control

Exclusive "Modular Concept" Assembly Get It

Knight-Kit Star Roamer® II. An outstanding communications receiver at a low kit price. Tune in foreign capitals, U. S. Government WWV, ship-to-shore and Coast Guard Loran signals, Hams, CB'ers—all this plus your favorite AM programs. Covers 200-400 kHz LW, AM, 1.8 to 30 MHz SW in three bands. Illuminated "S" meter for precise station selection, automatic volume control to reduce fading and blasting on stations of varying signal strength. Bandspread control separates crowded stations. IF sensitivity control. Switchsignal strength. Bandspread control separates crowded stations, IF sensitivity control. Switchable automatic noise limiter circuit reduces interference. Built-in 4" speaker, front panel headphone jack. Code key jack for code practice. AC power supply, provision for 12 VDC operation. Easy to read 7½" slide-rule dial, built-in AM antenna. Features Knight-Kit's Modular Concept assembly with most parts factory-mounted on PC boards—all you do is solder interconnections. 5½x12½x8". AC. Ship. wt. 12 lbs.
29-3115. (See Page 101 for Availability.) 69.95

Science Fair®

## Solid-State AM Table Radio Kit

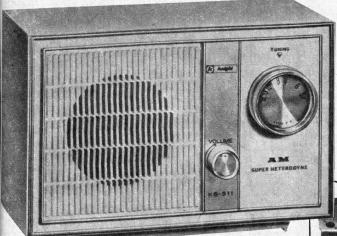
100% Complete-No Extras to Buy!

- AC Operated
   Transformer Powered
- Easy NO-Instrument Alignment
- Built-In Speaker Plus Earphone

Model RK-111. Easy to assemble, educational, and the finished radio will look (and sound!) mighty fine. SAFE because of transformer operation—no exposed AC leads. Modern solid-state circuit, printed circuit construction. Tunes 540-1600 kHz standard AM band. A detailed manual gives circuit description and anyone-can-do-it alignment pro-cedure. Stylish brown and beige molded case. 83/4x51/4x33/4". Solder included.



A Perfect "First" Kit



## Knight-Kit® 4-Tube AM Radio Kit

Model KG-311. Features the world-famous four-tube-plus - rectifier superhet circuit that every student of electronics must learn! Simple point-to-point wiring, 'wide-open' chassis layout for assembly that's really fun! Features 3½" dynamic speaker, automatic volume control (AVC) for no-fade reception, pre-punched chassis, pre-cut wire. Detailed assembly manual with pictorial and schematic diagrams. Molded ivory-color case, 5½x7¾x44". AC powered. 

Complete . . no extras to buy



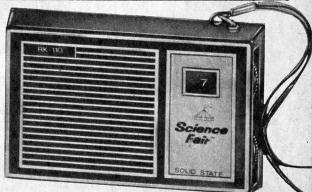
## Science-Fair® Portable Radio Kit

- Deluxe 6-Transistor Superhet Circuit
- Printed Circuit Board Construction
- With Carry Strap, Earphone, Battery



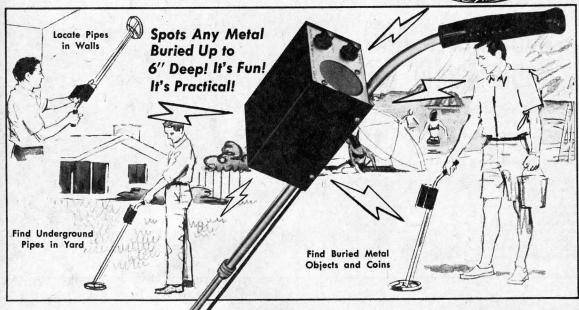
Credit Plans to Fit Every Budget . . . Details at Your Nearby Store

Available Sept. 30, 1971



## Find Buried Valuables, Lost Coins, Anything Metallic! Get Our Deluxe Treasure/Metal Locator Kit!





**29**95

Knight-Kit KG-366. Take along your own adventure each time you go on an outing! The "366" detects coins, antiques, gold, silver up to six inches beneath the ground. Equally handy around the house to locate pipes or wiring underground or in walls. Hermetically sealed circular coil is enclosed in a shock and heat-resistant resin potting compound for 100% SAFE operation. Specially designed Faraday shield for maximum sensitivity. Built-in 21/4" speaker is mounted facing the operator to provide an accurate audible indication when approaching metal object. Solid-state circuitry with IC array provides excellent stability—prolonged reliability. Lightweight with 36" collapsible handle. Operates on single 9-volt battery. Kit includes all parts & easy instructions.

29-3382. Shipping weight 3 lbs.

29.95

23-464. 9-Volt Battery. Shipping weight 6 oz.

Each 35¢





6½" Circular Coil



Audio Control Box



36" Telescoping Handle



Built-In 21/4" Speaker

## Photoelectric Relay System Kit — Put An Invisible Beam of Light to Work For You

- Units Operate Up to 50 Feet Apart
- Exciter Lamp with Built-In Light
   Use As Alarm or As Counter

19<sup>95</sup>

SPECIFICATIONS: Reaction Time: 50 mm per second (10-ft. between units). Working Temperature Range: —4° to +104°F. Power Consumption Per Unit: Exciter Lamp, 15V/amp; Receiver, 0.5V/amp. Receiver Output: 115 VAC at 0.3 ampere. Power Requirement: 115 volts, 60 Hz AC.



## Discover Buried Treasure! It's Fun, It's Profitable!

Uncover Lost Jewelry, Relics, Coins, Anything Metallic!

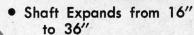


Every Outing Becomes An Adventure With Our Exclusive Science Fair® Portable Metal Locator Kit

HOME!INDUSTRY!

HOBBY!

STRIKE! IT RICH! 1995



- Volume & Pitch Slide Controls
- Stethoscope Earphones
- Printed Circuit Board

Manual

Lightweight, solid-state, battery powered — use it at home to locate underground pipes or hidden wire in walls—in plants and industry to locate studs and buried pipes. Use it outdoors to find treasure—take it along to the beach or on camping trips to search for coins and other valuables. Perfect for any kind of exploration! Locates both ferrous (iron, steel) and non-ferrous (gold, silver, copper) metals. Simple to operate—just set the



Science Fair® 4-Way Alarm System Kit

IT RESPONDS TO TOUCH, WATER, LIGHT—OR A DOOR SWITCH!

- Safe Battery Operation No AC
- Highly Sensitive "Touch Plate"
- Shrill Alarm Sounds to Warn of Emergency

A low-cost emergency detector that's so sensitive the slightest touch or moisture will set it off! Alarm sounds if the transistor relay circuit is broken. Easy-to-build—NO soldering needed.

Includes door switch, light cell & buzzer.

28-240. Shipping weight 2 lbs.

23-464. 9-Volt Battery (1 Required)

23-467. 1½-Volt "C" Cell. (2 Required)

Each 17¢

## A "Musical" Introduction to Electronics!

NEW FOR '72

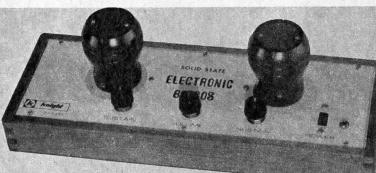


Available Sept. 15

@ Amphe | Chippelle Meitenen

**Electronic Metronome Kit with Wood Case** - Adjusts From 40 to 210 Beats per Minute

Sure, Steady Beats! Adjusts to Any Tempo!



Electronic Bongo Drums Kit-Musical Excitement at Your Fingertips

Knight-Kit KG-391. Play Latin and Tropical Island rhythms through any amplifier! Just tap the electronic heads like real bongo drums. Lo-Pitch and Hi-Pitch heads each have a "sustain" control knob to vary tone for true-to-life bongo sound. On-off switch, master volume control. With parts, full assembly instructions, handsome wood case. 2x12x4".

29-3919. Shipping weight 1 lb. 12.95
23-464. 9-Volt Battery. (1 required). Ship. wt. 6 oz. 35¢



Science Fair® Lie Detector Kit Defecto 995

- Pocket-Size—Take It Anywhere
- Play "Truth" Games at Parties
- 100% Safe Battery Operation

Learn the truth! Measure "kiss-ability"! Sensitive psychogalvanometer reveals change in the body due to nervousness. Two fingertip controls. Easy to assemble with full instructions. 28-182. Shipping weight 2 lbs. 9.95

Science Fair 15-Note Electronic Organ Kit 895

Low-Cost "Basic Training" in Music!

- Plays Any Song In Whole Notes Over 2-Octave Range
- Printed Assembly Board with Pre-Cut Wires
- All Spring Clip Assembly . Solderless Connections

Handy Two-Way Telephone Amplifier — Now In Kit Form! For Hands-Free Mobility

and "Group Conversations"

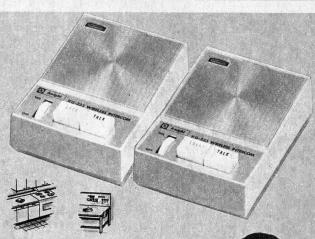


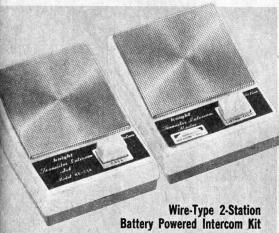


## **Wireless Two-Station Intercom Kit**

- No Special Wiring Installation
- Can Be Wall Mounted if Desired
- Fingertip Controls
   2½" Speakers

Knight-Kit KG-233. A practical investment that will soon pay for itself in time saved, in convenience! Provides instant inter-room talking anywhere in the house—can even be used between buildings on the same line transformer. Each unit plugs into AC outlet so they can be moved from one room to another for portability. Controls include thumbwheel volume with "off" position, press-to-talk button, & lock button for hands-free conversations or monitoring. Easy to build. With all parts, printed circuit board assembly, instructions. 3% x5 \( \frac{1}{4} \times 1 \) \( \frac{3}{4} \)". AC. 29-3383. Ship. wt. 3 lbs. Pair 19.95





Knight-Kit KG-234. Easy to operate —press "call button" to talk, release to listen! Sensitive—ideal for monitoring. Volume control on master station. With 66' wire, plus, solder, instructions. Compact, 3x13/x4".
29-3334. Ship. wt. 2½ lbs. ... Pair 7.95



Build your own private 2-way communications system and talk or telegraph (with buzzer or flasher) between rooms, apartments or house next door. With 20' cable, 2 phone handsets, 2 code keys, instructions. Safe—battery powered. No soldering. 28-242. Shipping weight 2 lbs. 9.95 23-468. "AA" Battery. (Requires 4.) Each 10¢

Credit Plans to Fit Every Budget . . . Details at Your Nearby Store

## Portable "Test Benches" — Our VOM Kits

THE COMPACT VOM KIT WITH "FULL-SIZE" PERFORMANCE



 50,000 Ohms/Volt Sensitivity

Precision Circuits

Zero-Adiust Control

Knight-Kit KG-683. Here's a VOM kit with precision circuit design for highstability and ease of operaton. Special VA/2 switch divides voltage and current ranges in half-at the same time DOUBLING sensitivity! Easy-to-read scale with knife-edge pointer. Sensitive 20-µA meter movement is made virtually "burnoutproof" by diode and ceramic capacitors. Has single range/ function switch, top quality shunts & multipliers provide ±2% full-scale accuracy. Metal case, 53/4x4x21/2". With batteries, 50" test leads, banana plugs, instructions.

29-3986. Ship. wt. 2 lbs. ...... 17.95

SPECIFICATIONS. RANGES. DC Volts: 0-0.6, 3, 12, 60, 300, 600, 1200. AC Volts: 0-6, 30, 120, 600, 1200. DC Current: 60μA, 3mA,30mA,30mA,312 A. Ohm-Meter: 0-2K, x 1, x 100, x 1K, x10K, RESISTANCE. DC Volts: 50K & 25K ohms/volts. AC Volts: 5K & 2.5K ohms/volt. ACCURACY. DC Volts: ±3% full scale. AC Volts: ±4% full scale. Current: ±3% full scale. Ohm-Meter: ±3% full scale. Uses 3 "AA" penlight batteries.

"No-Skimp" Circuitry



**Diode-Protected Meter** 



AC Output Jack



Special VA/2 Switch



50" Leads, Banana Plugs'

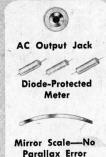
#### LOW-COST POCKET VOM KIT-30.000 OHMS PER VOLT!



Knight-Kit KG-682. The ultimate in VOM portability! 1% tolerance resistors used as multipliers give extra accuracy, stability. Zero-adjust assures accurate calibrations—compensates for changes in battery condition. Easy-to-read scale. Complete with 50" leads, banana plugs, battery.  $3^1\%_6 \times 5^1/_2 \times$ 

17/8". 29-3985. 2 lbs. (See p. 101 for availability.) .12.95 SPECIFICATIONS. Ranges. DC Volts: 0-6-30-60-300-600-1200. AC Volts: 0-12-60-120-600-1200. Current: 60 μA-30 mA-300 mA. Decibels: 0- (-20)-0-(+37). Resistance in ohms: 0-2k-200k-2 meg. DC Sensitivity: 30,000 ohms per volt. AC Sensitivity: 15,000 ohms per volt. Meter Sensitivity, 27 μA for full scale deflection. Accuracy. DC: ±3% full scale. AC: ±4% full scale. DC mA: ±3% full scale. Battery: 1½V.

#### DELUXE VOM KIT-100,000 OHMS PER VOLT!





Available Oct. 30, 1971

Knight-Kit KG-684. Super-sensitive — provides a total of 47 ranges! VA/2 switch divides voltage & current ranges in half. Features calibrated twocolor scales, knife-edge pointer, zero-adjust. 50" leads, banana plugs, carry handle, batteries included. Rugged metal case,  $7\frac{3}{8}x5\frac{1}{4}x2\frac{1}{2}$ ". 29-3987. 4 lbs. (See p. 101 for availability.) 29.95 SPECIFICATIONS. Ranges. DC Volts: 0-1.2, 3.0, 12, 60, 120, 600, 1200. AC Volts: 0-3.0, 12, 60, 300, 600, 1200. Current: 0-30  $\mu$ A, 6 mA, 60 mA, 300 mA, 12 A. Ohmmeter: 0-2K, x1, x100, x1k, x10K. Output: 3.0, 12, 60, 300, 600V. Sensitivity. Current: 15  $\mu$ A. Voltage: 120 mV. Meter Current: 9  $\mu$ A ±1%. Accuracy. AC: ±4% full scale. DC: ±3% full scale. Ohmmeter: ±3% full scale. Resistance. AC: 10k ohms/volt. DC: 100k ohms/volt.

## Knight-Kit's "Best Seller" VOM Kit-1000's in Use!

20,000 OHMS/VOLT SENSITIVITY VOM KIT — THE "TEST BENCH" YOU CAN CARRY IN YOUR POCKET!

 Perfect for On-The-Go and Field Use—Precision 1% Resistors 995

SPECIFICATIONS. Ranges. DC Volts:  $0.5-25\cdot100-500\cdot1000$ ; AC Volts:  $0.10-50\cdot250\cdot1000$ . DC Current:  $50\cdot\mu$ A to 250 mA. dB: -20 to +22. Resistance:  $0.20k\cdot2$  meg. DC Sensitivity: 20k ohms/volt; AC, 15k ohms/volt. Meter Sensitivity:  $45\mu$ A for full scale deflection. Accuracy: DC,  $\pm 3\%$ ; AC,  $\pm 4\%$  full scale; DC mA,  $\pm 3\%$  full scale.







## 3-WAY CODE PRACTICE OSCILLATOR KIT WITH VARIABLE PITCH

Model LC-2. Learn Morse Code quickly and easily with this battery-powered kit. Offers both tone and light signals — or combination. Has front panel pitch control to vary tone from 500 to 2000 Hz; standard ½ phone jack for headset. Code key has adjustable bearings for smooth keying action—lets you increase your speed as you learn. With all parts, assembly instructions, battery and Code Key. Order today—it's the great way to learn a useful Morse Code hobby! Ship. wt. 4 lbs.
29-3378. See page 101 for availability. 7.95

WIRELESS REMOTE ON/OFF SWITCH KIT

159

Model KG-203. Uses silent ultrasonic principle to switch appliances on/off from up to 40 feet! For units rated 600 watts or less. With transmitter (1½x1½x4½"), remote receiver (2½x3½x4½"). Battery. 2½ lbs. See page 101.





TV REMOTE CONTROL KIT

• With 60-Minute Shutoff Timer

Model KG-229. Control your TV from your easy chair! Has remote on-off and volume control, built-in speaker plus earphone jack. Volume control operates set's speaker OR remote, adjustable timer works up to 60 minutes. 5x33/x11/6".1 lb. 29-3331. 7.95

## **Test Instruments That Really Measure Up!**

**OUTFIT YOUR BENCH WITH THESE EASY-TO-BUILD KITS!** 





#### TUBE TESTER KIT FOR OVER 2500 TYPES

- 16 Switch-Selected Filament Voltages
- Illuminated Thumbwheel-Drive Roll Chart
- Power Rheostat Adjusts for Line or Load

Model KG-600C. One of our most popular kits ever—because it's one of the best VALUES ever! Checks over 2500 tube types and all pilot lights to 117 volts. Has 3-color, 4½" meter with GODD-7-REPLACE emission scale; GOOD-BAD gas test scale, 0-100 numerical scale. Handles 2, 4, 5, 6 and 7-pin types; octals, loctals, 7, 9, 10-pin miniatures, 9-pin magnovals, 9-pin novars, 10-pin decals, 12-pin compactrons, pilot lamps. Tests emission, continuity, shorts, open elements. Easy-action selector switches, neon continuity indicator. 6½x14½x10½". AC. 29-3212. See page 101 for Availability. 13 lbs. 49.95

Replacement Tube Data Roll Charts
Updated replacement roll charts for all Series 600 Tube
Testers purchased prior to Aug. 1, 1971 are available
singly or on a subscription basis with a chart plus two
supplements per year. Prices: \$3.50 per chart; \$5.00
for chart plus supplements. Write: Coletronics Tube
Data Service, 1744 Rockaway Avenue, Hewlett, L. I.,
N. Y. 11557.

## PORTABLE TRANSISTOR/DIODE TESTER KIT

2995

- Measure Gain and Leakage
- Test Open Elements, Shorts
- Tests In or Out-of-Circuit

SPECIFICATIONS. DC Beta Ranges:  $\times 1$ , 2-100;  $\times 10$ , 20-1000. Outof-Circuit Accuracy:  $\pm 5\%$ . In-Circuit Accuracy: indicates good or bad (accuracy depends on circuit being tested). Iceo; 0-5000  $\mu$ A. Icbo; 0-5000  $\mu$ A; diodes, forward or reverse current, 0-5000  $\mu$ A. Dimensions:  $8\frac{1}{2}\times 4\frac{1}{2}\times 7\frac{1}{2}$ ". Power: "D" Battery.



A knight KG-679

#### SIGNAL INJECTOR/ TRACER KIT

15<sup>95</sup>

TEST

Model KG-679. One of the handlest test instruments around! Checks tube or solid-state circuits with up to 10,000 ohms impedance. Signal-injector portion produces a 600-1000 Hz signal, rich in harmonics; tracer portion has speaker, phone jack, lamp indicator, volume control. Tracer input and injector output terminals. Metal case, 2x6x4". With 9-volt and 1½-volt batteries. 2 lbs. 29-3992. See page 101 for availability 15.95

TRANSISTOR CHECKER ADAPTER KIT

995

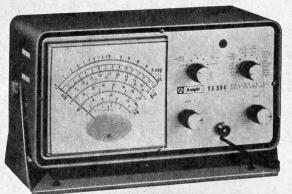
Model KG-677. Turns any low-current VOM into a handy and accurate transistor checker. Check DC-Beta, collector to emitter or base leakage. 4x3x13/4". See page 101 for availability. 2 lbs. 29-3201 9.95



## Outfit Your Test Bench the Professional Knight-Kit® Way

PROVEN RELIABILITY! MOST-WANTED FEATURES! MEASURABLY BETTER!

## Battery / AC FET VOM KIT with 29 Ranges



8 DC Ranges 7AC Ranges - 7 OHMS Ranges

Get It On Credit **Diode-Protected** Meter and Circuit **Guard Against** 

Model KG-694. Probe today's complex electronic circuits, solve most any servicing problem. FET and negligible circuit loading gives stability and accuracy most VOM's cannot approach. Controls include AC/Ohms/DC probe switch, AC/DC power selector, Ohms & Zero control. Big easy-to-read mirror scale meter mounted on adjustable tilt bracket. Compact for portability—durable for rugged use. Complete with test probe, AC line cord, batters Case size: 73/4×12×51/2".

29-3990. (See Page 101 for Availability.) Wt. 9 lbs. 49.95

SPECIFICATIONS. Ranges. DC: 0 to 1500 volts. Ac: 0 to 1500 volts. Ohmmeter: 0 to 1000 megohms. Accuracy. DC:  $\pm 3\%$  full scale. AC:  $\pm 5\%$  full scale. Frequency Response:  $\pm 1$  dB, 30 Hz to 3 MHz;  $\pm 3$  dB, 30 Hz to 5 MHz. Power: 9VDC, 115VAC.

Jewel-Light **ON Indicator** 

Meter Is Diode **Protected** 

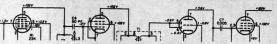
AC/Ohms/DC **Test Probe** 

## **Battery Powered RF Generator Kit**

- Cover 400 kHz to 30 MHz
- Easy-to-Read Vernier Dial
- PC Board for Fast Assembly

Model KG-696. Ideal for housecalls or servicing mobile equipment—gives accurate RF output anywhere you need it. Use it to check alignment in AM, FM radios, or with sweep generator for TV servicing. Features 5-position band selector for precise frequency selection, low-impedance output, 1000-Hz internal modulation oscillator, precision-wound adjustable coils. With 9V battery. Black metal case, 5%x5%x3%".

29-3952. (See Page 101 for Availability.) Wt. 2 lbs. ..........19.95



SPECIFICATIONS. Frequency Coverage: Band A, 400-500 kHz; Band B, 550-1600 kHz; Band C, 1.6-4.5 MHz; Band D, 4.5-13 MHz; Band E, 12-30 MHz. RF Output; over 100,000 \( \mu\). Modulation: 1000 Hz. Audio: 1 kHz, adjustable intensity. Power Source: 9V DC.





7AC Ranges - 7 OHMS Ranges

## Our Finest VTVM Kit-0.5-Volt DC Range

10 Color-Correlated Scales

200 μA Meter Movement

11-Megohm DC Input Impedance

Model KG-625. Give direct peak-to-peak and rms readings of AC volts. Great for transistor work! AC-ohms/DC test probe switch permits quick multiple measurements. Pushpull balanced bridge circuit for maximum accuracy and meter protection. Has DC polarity reversing switch; zero-center scale; pilot light; special power transformer for line isolation. BIG 6" meter is easy-to-read. Calibration controls on back panel for easy access. With gimbal mounting bracket, probe attachment, battery. 73/4x12x51/2". 29-3975. (See Page 101 for Availability.) Wt. 9 lbs....44.95

SPECIFICATIONS. Ranges. DC: 0-1500 volts full scale. AC (rms): 0-1500 volts full scale. Ohmmeter: 0-100k ohms, 0-1000 megohms. Accuracy. DC:  $\pm 3\%$ . AC:  $\pm 5\%$ . Response:  $\pm 1dB$ , 30 Hz-3 MHz;  $\pm 3dB$ , 30 Hz-5 MHz. Power Supply: Transformer silicon diode rectifier circuit.

We Service What We Sell . . . Everywhere in the Nation

Science Fair®

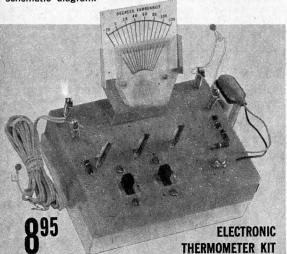
P-Box - - America's Favorite Hobby Kits!

Change Parts & Circuits on "Perfboard" Chassis . . .

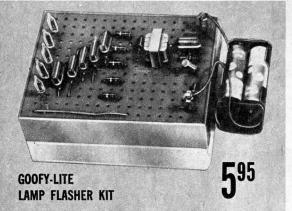
Learn As You Build.

#### Each Kit Is Complete — No Extras to Buy!

Each P-Box is a molded and coded 43/xx33/x13//" perfboard chassis that lets you mount parts on a grid of holes. The space-age material withstands soldering without damage but you can use a soldering iron to cut any size opening. Finally, the clear top becomes the "see thru" bottom cover of your finished kit. So great we've applied for a patent! Unlike many so-called "kits" that merely require plugging things together or into prewired PC boards, each Science Fair kit requires work and thought, actually teaching electronic principles. When finished, almost every kit becomes a working project that can be used again and again. Each kit is designed by our engineers and comes with every part except the battery. Included are pictorials, step-numbered instructions and a schematic diagram.

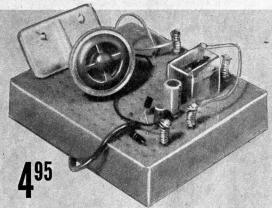


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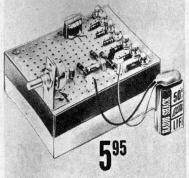


A real "fun" kitl It's the first low-voltage neon lamp flasher that's perfectly safe to build and operate—works on 6 volts DC. Lets you select firing of five lights either at random or in sequence for a "madness in motion" effect! Use four 1½ "AA" batterles or one 6V battery (see below) for weeks of operation.

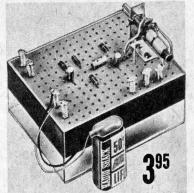
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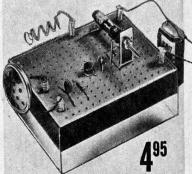
#### MOISTURE DETECTOR RELAY KIT



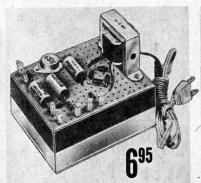
#### **Electronic Organ Kit**



#### Transistor AM Radio Kit



#### Wireless AM Mike Kit



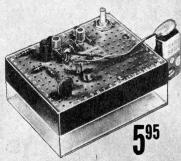
## **AC/DC Power Supply Kit**



#### 3-Way Code Oscillator Kit

#### "OTL" Audio Amplifier Kit

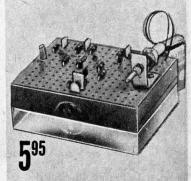
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#### 3-Transistor SW Radio Kit

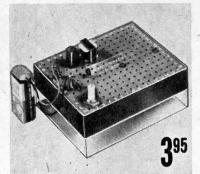


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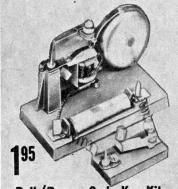
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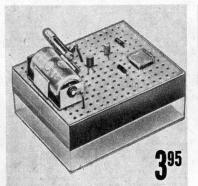


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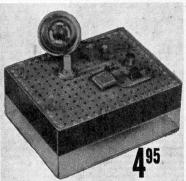




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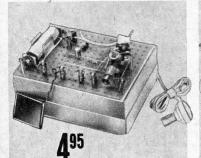


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#### **Light-Operated Alarm Kit**

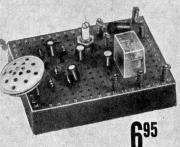
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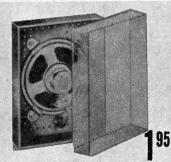
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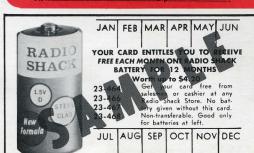
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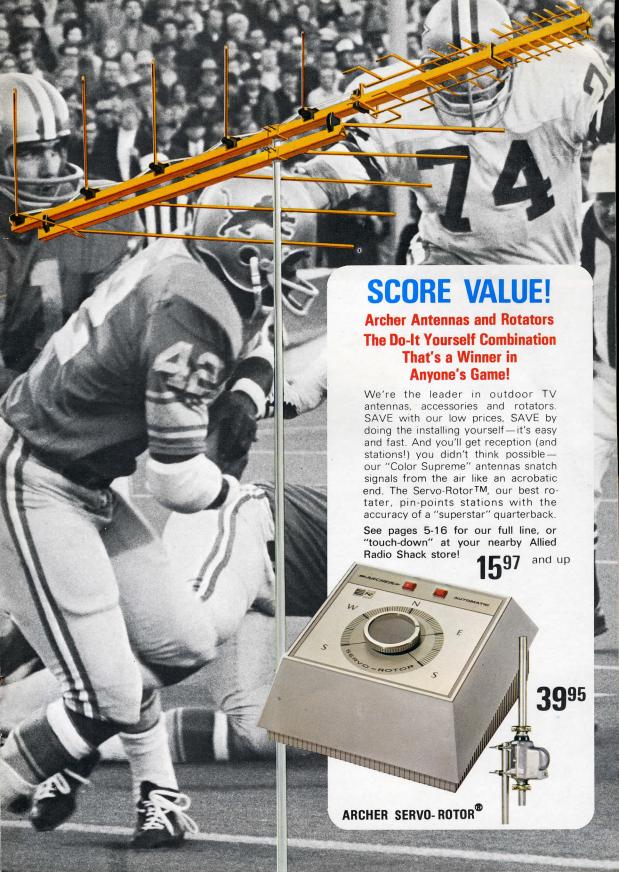
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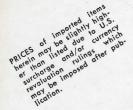




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