

# CONAR

*instruments*

DIVISION OF NATIONAL RADIO INSTITUTE

3939 WISCONSIN AVENUE  
WASHINGTON, D.C. 20016  
PHONE EM 2-9700

Dear Customer:

HERE'S THAT NEW CONAR CATALOG YOU'VE BEEN WAITING  
FOR!

And with it -- new terms, new products, new services,  
and new satisfaction.

We've dozens of new items specially planned to meet  
your needs -- plus TWO better-than-ever Easy Payment Plans.

Open an account with a minimum down payment -- buy up  
to \$200 worth of merchandise for only \$2.50 a week. If you  
are a CONAR preferred customer, no down payment is needed.  
Here is your chance to get those items you thought had to  
wait until next year.

We look forward to serving you again soon.

Sincerely yours,



Customer Service Director

CBW:NCC-3\*

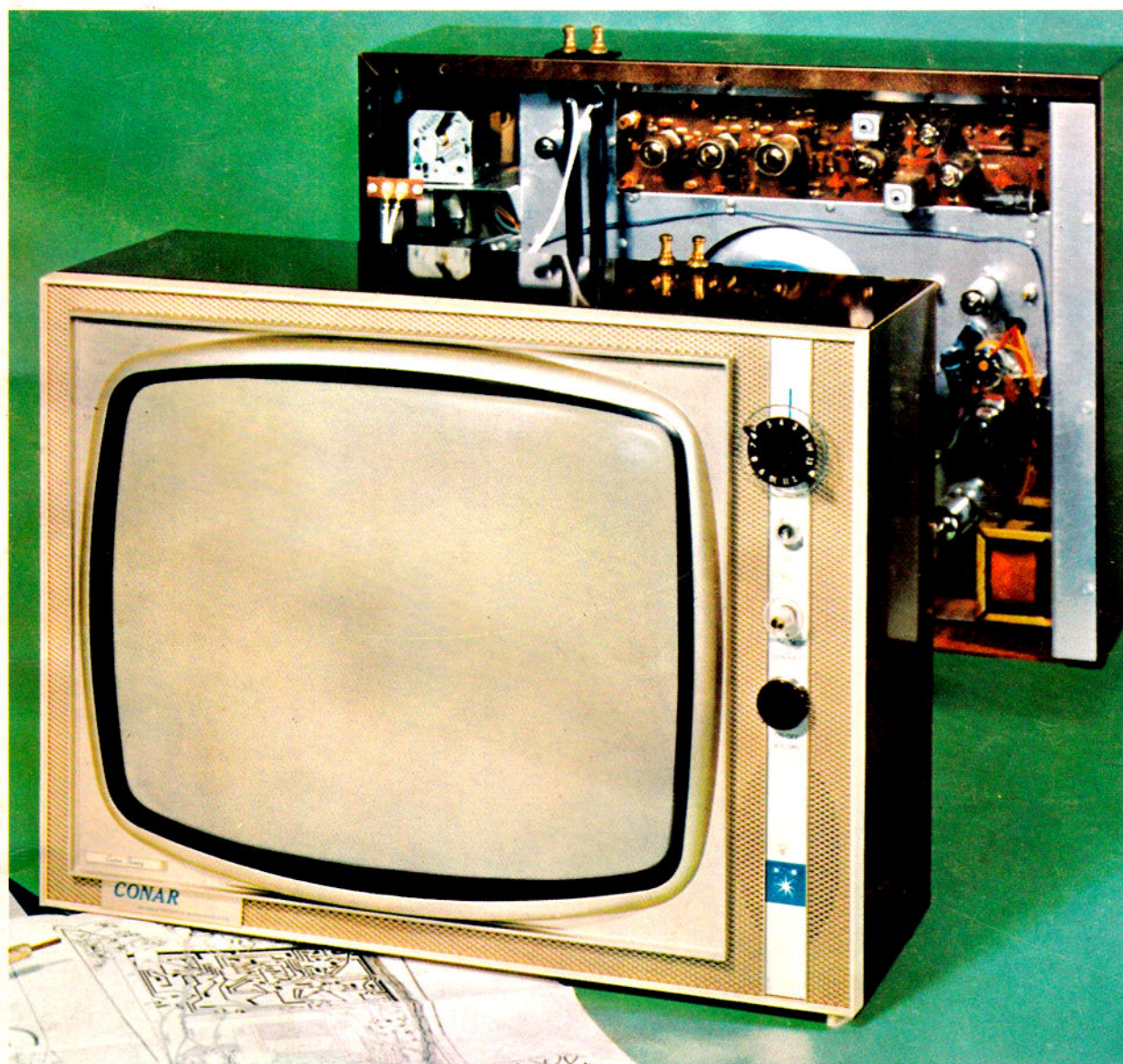
QUALITY EQUIPMENT BUILT ON A HALF CENTURY OF SERVICE IN ELECTRONICS

DIVISION OF NATIONAL RADIO INSTITUTE, 3939 WISCONSIN AVENUE, N.W., WASHINGTON, D.C. 20016

# CONAR KITS

ELECTRONIC

AND OTHER ASSEMBLED PRODUCTS • 1967 EDITION





# CONAR's New SELECT-A-PLAN

*boosts your buying power*

- Just \$5 a month on orders up to \$100
- Two full years to pay
- Add-on purchases any time with no down payment

## "Select-A-Plan" That's Best For You

**REGULAR PLAN**—Convenience of low monthly payments. Economy of one low service charge. Up to 18 months to pay.

**E-X-T-E-N-D-E-D PLAN**—Lower monthly payments. Up to two full years to pay.

**ALTERNATE PLAN**—No Service Charge. Select the Regular or Extended Plan. Make your first payment within 30 days. If you pay the balance within 30 days, you save the entire service charge.

In this catalog, you'll discover a variety of new, exciting products, both from CONAR and from other quality brand names. If you'd like a translation of the name CONAR, it stems from **CO**mpany, **NA**tional **R**adio. CONAR is a division of NRI; a pioneer of 50 years in Electronics.

This experience—plus CONAR's Guarantee (back cover)—stands solidly in back of every product in this catalog. You can order with confidence. CONAR guarantees you'll be satisfied.



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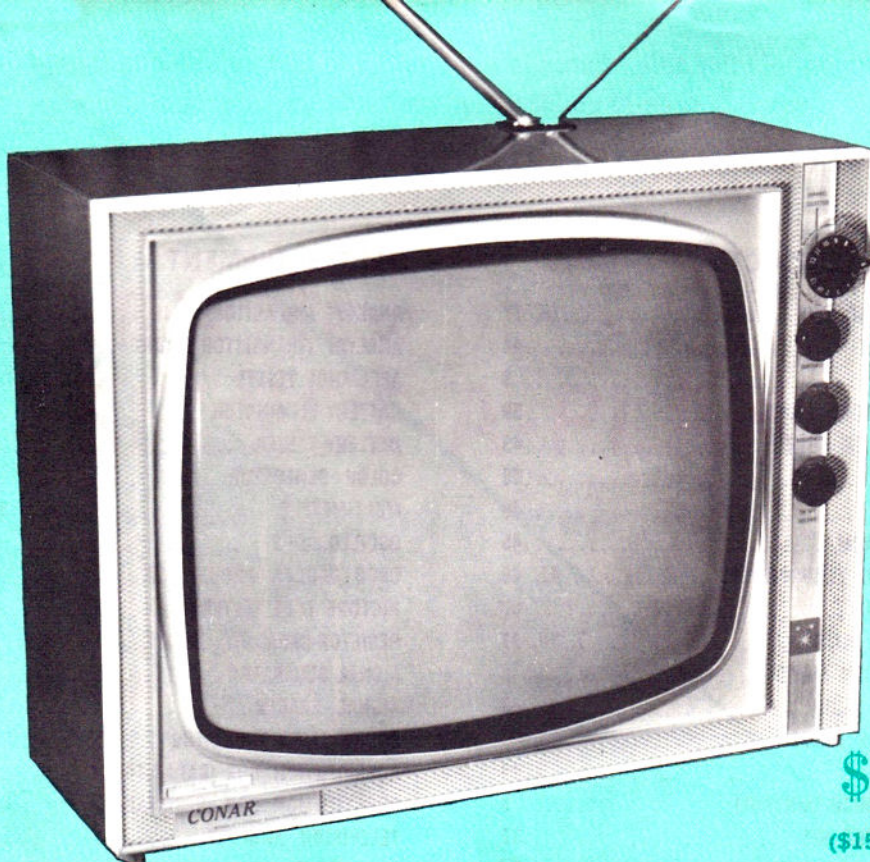
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**\$149.95**

(\$15.00 down, \$7.00 mo.)

Stock #8YUK

## SPECIFICATIONS

**POWER SUPPLY:** Transformer operated, 110-120 volts, 60 cycle AC

**VIDEO I.F.:** 3-stage pre-aligned, 2-stage video amplifier

**SOUND I.F.:** separate pre-aligned 2-stage 4.5 mc

**TUBES:** 1-6BQ5, 2-6BZ6, 1-6AS8, 1-6U8A, 1-6BN6, 1-6AQ5A, 1-6DQ6B, 1-6DE4, 1-6BU8, 1-6FD7, 1-6B10, 1-1K3, 1-6GK5, 1-6CG8, 1-19AUP4 picture tube, 114° deflection

**BANDWIDTH:** 3.75 mc

**TUNER:** Transistorized VHF channels 2-13 with Loc-Set fine tuning, plus UHF channels 14-83

**SPEAKER:** Oval wide range type mounted in front of cabinet below controls; ample power to drive extra speakers if desired

**ANTENNA:** Built-in rabbit ears w/connector for outdoor type

**FRONT CONTROLS:** Push-Pull on-off/volume, Contrast, Brightness, Channel Selector, Fine Tuning, UHF Tuning

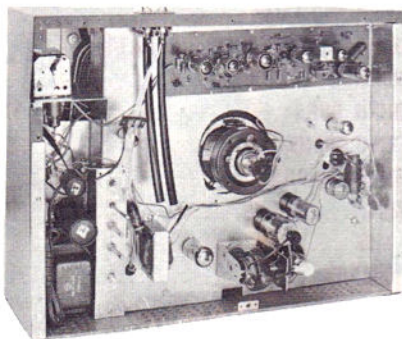
**REAR CONTROLS:** Vertical Hold, Height, Vertical Linearity, AGC Control, Buzz Control, Horizontal Frequency, Sync Stability

**CABINET:** Steel, baked-on finish, 7½" deep, 22" wide, 16½" high

**OVERALL DIMENSIONS:** 22" wide, 17" high, 13" deep including tube curvature

**ACTUAL WEIGHT:** 55 lbs.

**SHIPPING WEIGHT,** 60 lbs., shipped express collect for safe handling direct from our stock



*CONAR Custom 70 without rear cover, shield can and power cord*

## PARTS YOU GET

- steel pre-finished cabinet
- all resistors and capacitors
- all receiving tubes
- Sylvania 19AUP4 picture tube
- solder and hook-up wire
- front mask and bezel
- pre-assembled, aligned tuner
- switches, controls, knobs
- speaker, built-in antenna
- transformers and coils
- all hardware, lugs, brackets, sockets, etc.
- manual with diagrams



# CONAR- CUSTOM 70

## complete television kit

### All Channel VHF - UHF

One of the most rewarding, fascinating projects ever offered kit enthusiasts and *you* can build it! The Custom 70 is a precision-engineered, professional, table-model television set designed to give (and keep giving) a picture with superb detail, snapshot clarity and full-fidelity sound. High sensitivity, difficult to find in *any* set priced under \$200, pulls in distant and local channels with ease.

Kit includes every part — absolutely nothing else to buy. You get fresh, top-quality, heavy duty components. 15-tube circuit has multi-purpose types and Compactron to give equivalent of 21 tubes. Safe, transformer power supply completely isolates cabinet and chassis from power line.

Picture tube is Sylvania's latest design. It's self-focusing, aluminized, with bonded face plate on front. No glass to collect dust and dirt on inside where you can't reach it. Viewing area 206 sq. in.; 18% larger than numerous other 19" picture tubes.

You don't need special tools or test instruments to build the Custom 70 with perfect results. Front-end tuner comes to you fully assembled, carefully pre-aligned. All coils pre-aligned at the factory and double-checked before shipment. Final adjustment of completed set takes 15 minutes using local station program or test pattern.

Vertical chassis design means better air circulation. Parts stay cool for long, trouble-free life. And — the Custom 70 is SAFE, test-proven in over 10,000 TV kit sales. Once the high voltage section is assembled, you seal it, forget it, before set is ever plugged in.

Special skills or technical ability are *not* needed to build this top-performing set. Instructions are written so *you* will understand them. Huge (17" x 22") picture diagrams guide you every step of the way. For those interested in studying good circuit design, the manual also includes comprehensive analysis of the Custom 70 plus schematic diagram. Another point — although your set will seldom need service in normal use, you'll know general design well enough to save those repair bills.

Women too, will appreciate the slim-line styling, finished to harmonize with any decor. Steel cabinet measures just 7½" deep with rich dark brown finish. Front trim is soft, non-glare gold to compliment the most discriminating tastes. (One problem — friends will probably doubt *you* actually built the Custom 70! If so, please let us know. We'd be proud to write and tell them.)

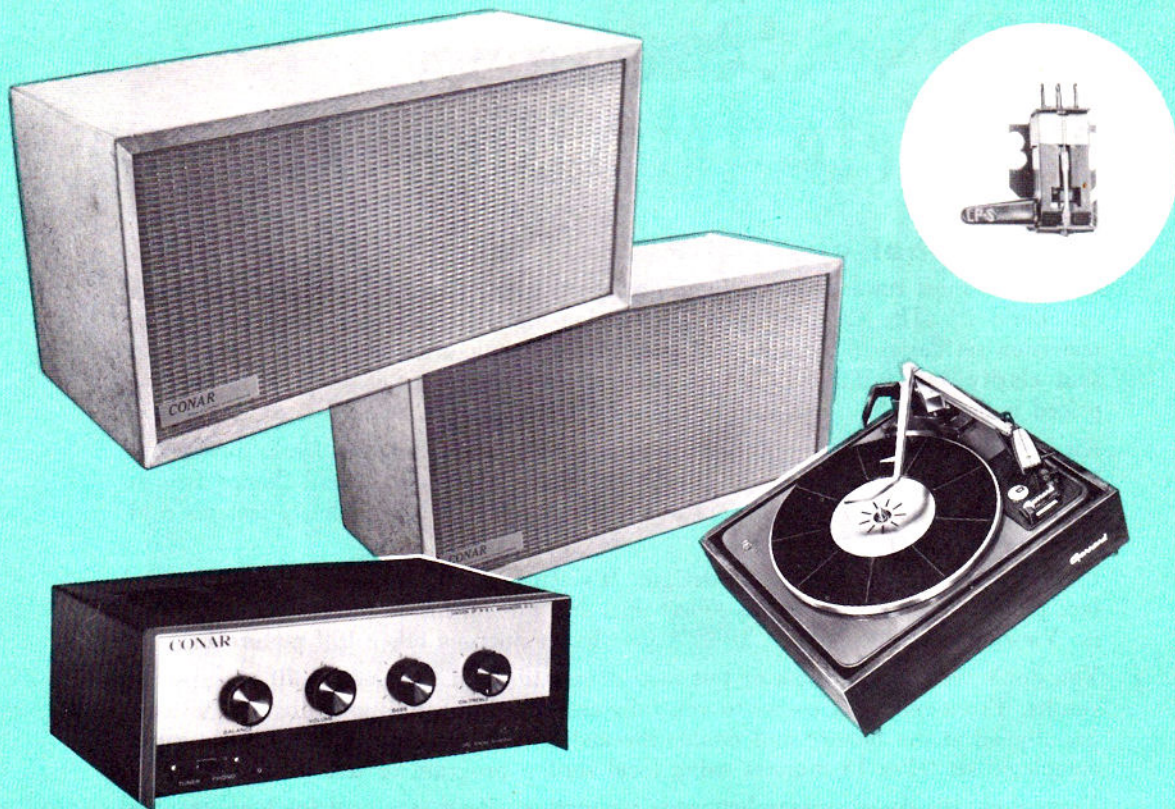


## roll-around tv table

Designed by well-known U.S. firm for Conar's Custom 70 TV receivers and other "slimline" table model or portable sets. Reinforced tubular steel frame with gleaming brass finish. Has instant swivel deluxe casters with steel bearings. Large, clear lucite wheels roll easily over rugs, carpets or bare floor. Handy utility shelf for books or magazines. Overall height 24".

**\$7.97** Stock #126TO, 8 lbs. parcel post





#### INDIVIDUAL PRICES FOR CONAR 300 COMPONENTS

- 2 full range cabined speakers,  
Stock #300SK .....\$39.90
- 1 Conar 300 Amplifier  
Kit, Stock #300AM... 31.50
- 1 Garrard Model 50  
Turntable ..... 44.50
- 1 Mahogany Base..... 3.95
- 1 Electro-Voice Model  
126A Diamond-  
Sapphire Cartridge.. 10.00

If bought separately,  
here's what you  
would pay for the  
Stereo 300 System **\$129.85**

Conar Price for  
Complete System ... **109.00**  
**YOU SAVE ... \$ 20.85**

### SPECIFICATIONS

#### MODEL 300 STEREO AMPLIFIER

**CONTROLS:** Phone-Tuner switch,  
Balance, Loudness, Bass,  
Treble, on-off switch

**TUBES:** 2-7025, 2-6BQ5

**CABINET:** Steel, baked-on rich  
blue finish

**PANEL:** Steel, off-white finish

**DIMENSIONS:** 4½" x 13" x 9"

**POWER SOURCE:** 110-120 volts,  
60 cycle AC

**SHIPPING WEIGHT:** 8 lbs.  
(other specifications—see  
opposite page)

#### MODEL 300 SPEAKER ENCLOSURES

**DIMENSIONS:** 24" x 12" x 10"

**SPEAKERS:** 8" extended range  
(19-21,000 cps.)

**GRILLE CLOTH:** Gold texture

**CONSTRUCTION:** ¾" wood  
(ready for finishing)

**SHIPPING WEIGHT:** 24 lbs. each

#### GARRARD MODEL 50 AUTOMATIC TURNTABLE

**MOTOR:** Heavy duty 4-pole shaded  
motor

**SPEEDS:** 16⅔, 33⅓, 45 and 78  
rpm. Automatic intermix oper-  
ation; records of different sizes  
may be stacked in any se-  
quence

**TONE ARM:** Counter-weighted with  
finger-touch stylus pressure  
adjustment

**DIMENSIONS:** 14¼" x 12½" x  
7½"

**SHIPPING WEIGHT:** 16 lbs.

#### STEREO CARTRIDGE

##### ELECTRO-VOICE MODEL 0126A:

0.7 mil diamond (lp), 3 mil sap-  
phire (78); tracking force 3-6  
grams; response 20-20,000 cps;  
matched channel output for  
monaural records

**TOTAL SHIPPING WEIGHT:** 72  
lbs., shipped via express  
for safest handling

# \$109.00

**COMPLETE — Nothing Else To Buy —**  
**Stock #300UK. Assembled Stock #1300WT—\$119.50**

**Low as \$11.00 down, \$5.00 monthly.**



# CONAR

## "300" stereo system

The shock of common sense in STEREO — you *must* hear it to believe it!

Conar proudly presents an outstanding, quality, yet amazingly economical stereo system — guaranteed to satisfy. And — the Conar Guarantee (see catalog rear cover) actually gives you the opportunity to make your own 30 day "listener's" test — an offer unmatched by any other kit manufacturer.

The "300" Stereo System is designed for those who consider their *ears* as the best judge of true stereo reproduction. It is not for people who insist on spending \$400 or more for stereo — or people who thrive on long lists of specifications, technically accurate or not.

Here is quality stereo to compliment your tastes for good listening and fit any budget. A precision engineered system with carefully matched components; yet ruggedly built as a home entertainment center for the entire family. With the "300" in your home, you can *afford* to let the wife, children or friends use it (at least on rare occasions).

Whether it's violin, piano solo or bass drum — Beethoven, Belafonte or Brubeck — the "300" urges and invites your comparison with stereo systems costing considerably more. We repeat, let your EARS judge the living sound, superb channel separation, the startling realism that only good component stereo can bring.

The "300" Stereo System includes:

- Conar power amplifier kit, beautifully styled inside and out. Build in one evening with time left for a trial run. Reserve output for "concert hall" volume in 30 x 30 area. Frequency response 50 cps to beyond audible limits. 50 db or better channel separation. Hum, noise and distortion *not distinguishable* at full output. (Available separately — see page 41)
- Two fully assembled bookshelf enclosures with pre-mounted 8" extended range speakers. Each is a full 24" x 12" x 10" and sturdily constructed of ¾" wood ready for finishing to match any decor. (Available separately — see page 41)
- Electro-Voice Model 0126A diamond-sapphire cartridge.
- Famous Garrard quality in the Model 50 Turntable. Has new DuDont Delrin® "frictionless" trip mechanism head. Separate automatic and manual controls. Complete with line cord, 2 plug-in cables, plug-in shell and oiled walnut base.
- All hook-up wire, coaxial cable, plugs, jacks, etc.

The "300" Stereo System was recently demonstrated at meetings of hi-fi enthusiasts, dealers and service technicians (dates and places upon request). Audience response was *overwhelming*.

Your own 30-day "listener's" test will show you **WHY** — you *must* hear the "300" to believe it!

### Conar customers tell you why the "300" is an outstanding value:

"For years, I heard friends and neighbors talk of \$250-400 for a *good* stereo system. Naturally I was skeptical about your low-cost "300"—*but also curious*. The same evening I got the "300," it was playing—and playing beautifully. It still is, for that matter, and the dollars I saved bought a lot of record albums."

Mr. G. H., Chevy Chase, Maryland

"My son (a music major at college) was home on the 300's trial run. His first remark was '*Fabulous, Dad!*' My daughter's response was '*Wonderful!*' My wife's remark was '*Out of this world!*' My family and I thank you for making such an outstanding stereo system."

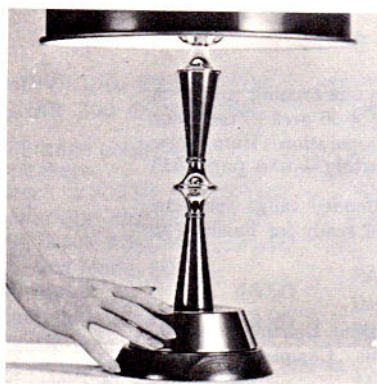
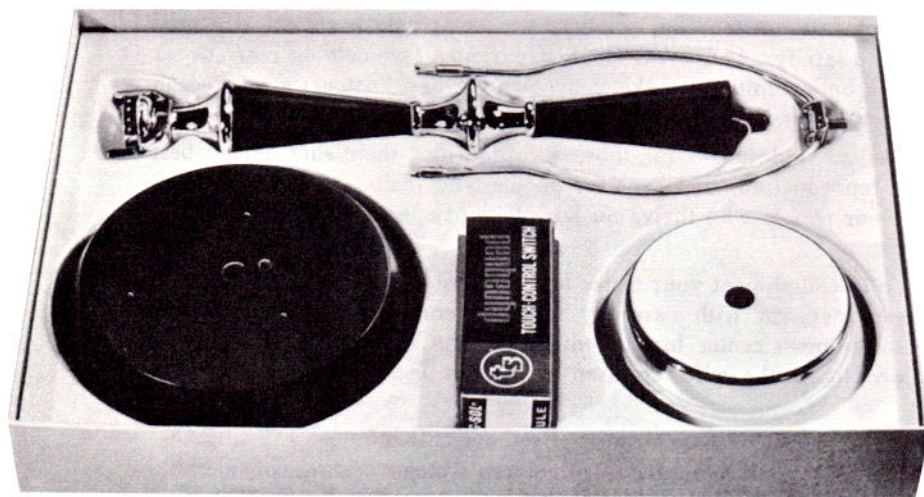
Mr. E. S., Lemoyne, Pa.



**NEW!**

# Touch Control Lamp Kit

WITH THE AMAZING DYNAQUAD® ELECTRONIC SWITCH



**TOUCH — IT'S ON!**



**TOUCH — IT'S OFF!**

LAMP RESPONDS TO A TOUCH OF THE FINGER. Fascinating, easy-to-assemble kit creates a beautifully styled lamp of polished walnut and brass finish.

This unique lamp has no visible switch. It operates on principles that may be used for switches in homes of the future.

Dynaquad electronic touch control switch is completely concealed within the lamp base. Touch the base—it lights! Touch the center flange—it goes out! No click—no snap—just silent, faultless response to a finger touch. Operates from any standard 110V AC outlet. It mystifies people until they discover how the Dynaquad switch works.

Kit contains all parts (except shade and bulb) and complete instructions for assembly.

## Lamp Uses Dynaquad Touch Control Switch

This is a semiconductor module employing a Tung-Sol Dynaquad—a four-layer germanium device of the transistor family. Use of this component in an electronic circuit of advance design has created a highly reliable, low cost capacitance switch having wide application possibilities of a nature demonstrated by this lamp kit.

**\$18.99**

Stock #6UK, 4 lbs. parcel post  
Insured



# CONAR AC-DC Radio Kit

A top-performing AC-DC table model radio with excellent sensitivity and selectivity. Uses modern superheterodyne circuit. Clear-cut assembly instructions include more than 30 pages of practical experiments. Teaches you principles of basic radio circuits and fast troubleshooting techniques on all types of AC-DC sets.

Has pre-tuned i-f transformers, high gain selective ferrite loop-stick antenna, quality 4" PM speaker and chassis safely isolated from power supply. All parts supplied — nothing else to buy.

## SPECIFICATIONS

**FREQUENCY COVERAGE:** 550 kc to 1650 kc

**CONTROL FUNCTION:** Volume/On-off and tuning

**I.F. FREQUENCY:** 455 kc

**TUBES:** 50C5, 35W4, 12BE6, 12BD6, 12AT6

**CABINET:** Impact resistant beige and white plastic

**DIMENSIONS:** 11½" x 5¾" x 5¾"

**POWER SUPPLY:** 110-120 volts, 60 cycle AC

**SHIPPING WEIGHT:** 5 lbs. 4 oz.



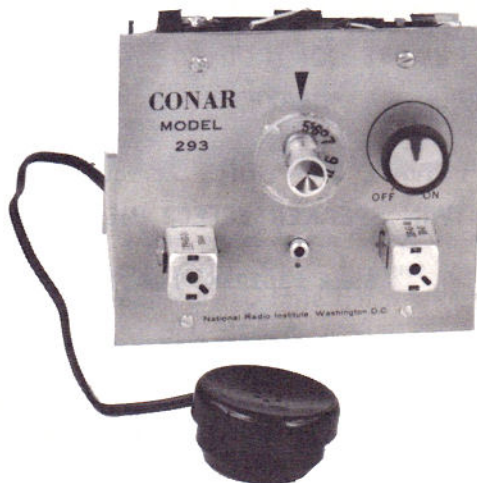
**\$21.50**

Stock #7YUK, shipped parcel post insured

# CONAR "Breadboard" Transistor Kit

No soldering required — ideal beginner's project. All connections are made using screws on a clearly marked template. Assembly instructions give a complete description of the circuit. Learn transistor fundamentals and have fun while doing it. The Model 293 has special reflex circuit to pull in many distant as well as local stations. Uses RCA transistors plus crystal diode. Sound is amplified through professional type headphone (not earplug) included with kit at no extra cost. Ferrite bar antenna eliminates need for outside antenna generally required for reception in other low priced radio kits. Not a toy — a practical, educational project designed to give years of good listening. Kit includes all parts, headphone and 9-volt battery. Nothing else to buy.

**\$12.95** Stock #293UK,  
shipped parcel post insured.



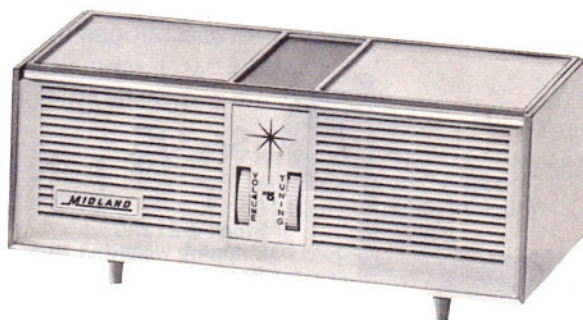
# Miniature Table Model "Portable"

One of the world's smallest table model Radios. Only 3" high, 7" long.

If you are wanting something more than "just a radio," you will love this little jewel. It's small enough to hold in your hand, but the 6 transistors provide a powerhouse of performance. Uses one inexpensive 9-volt battery. You can also plug it into any outlet by using an AC adaptor. The top of the cabinet is fitted with a hinged lid, revealing a useful storage compartment. Makes an ideal gift for any occasion. This petite little pet will be your constant companion. Attractive beige cabinet. Imported and sold fully wired — ready to play.

**\$12.95**

Stock #460EN  
Shipping weight: 2 lbs.  
Parcel Post





# SOUNDMASTER

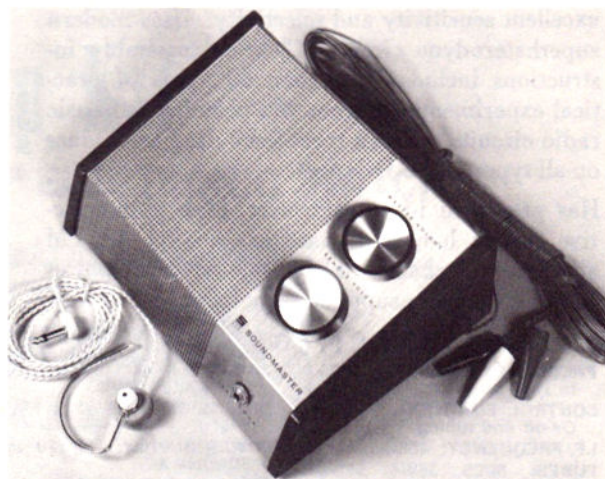
May be the answer to  
your TV listening problems!

## SOUNDMASTER SETS YOU FREE!

No more jumping up to turn down your T.V. set volume with SOUNDMASTER at your side. Just a flick of the dial lets you answer the telephone or doorbell or listen for the children at night.

## LETS YOU ENJOY T.V. WITHOUT DISTURBING OTHERS!

Dad can sleep while you watch the late show. Your children can study without being tempted by T.V. sounds. Hard of hearing folks can have the volume they need without making it too loud for others. People confined to bed will enjoy their new found independence — no need to call for help to adjust T.V. sound with SOUNDMASTER. THESE and virtually hundreds more special listening problems can be solved with SOUNDMASTER . . . a "Must" in many homes and a delightful convenience for all.



Soundmaster is easy to install — No complicated wiring required — Complete instructions are furnished. Can be connected to any T.V. set, console or portable, in minutes.

Soundmaster is safe — No voltage connections — Installs in your television sound circuit only.

### SOUNDMASTER GIVES YOU:

1. **REMOTE CONTROL** No more jumping up to adjust television volume
2. **REMOTE SPEAKER** Responds to a wide range of bass and treble. Undistorted volume. Larger than 50% of the speakers used in today's T.V. sets!
3. **PRIVATE EARPHONE** Lets you listen without disturbing others!
4. **TWIN SPEAKER EFFECT** Popular new sound with both remote and T.V. speaker operating!

Stock #1012SK 3 lbs., Parcel Post Insured

CONAR PRICE — **\$14.95**

## Emergency Car Light—12 Volts

- Distress Signals
- Roadside Repair
- Auxiliary Light
- Driving, Camping, Fishing
- 16 Foot Cable
- Magnetic Holder
- Cigarette Lighter Plug
- Adjustable Stand

Just plug into cigarette lighter and the car light is ready for instant use. Firm magnetic holder allows fastening to virtually any desired location. Bright flood light plus a red signal flasher. Flasher or flood light operates from single switch. 3" adjustable stand. Weatherproof housing and switch. Car light plus convenient stow-away plastic carrying case. 16-foot cord and lighter adaptor plug.



**\$6.95**

Stock #212AC  
Shipping weight: 1 lb.  
Parcel Post

## COLORAMA

tv

lamp-  
clock



### a new concept in time-telling

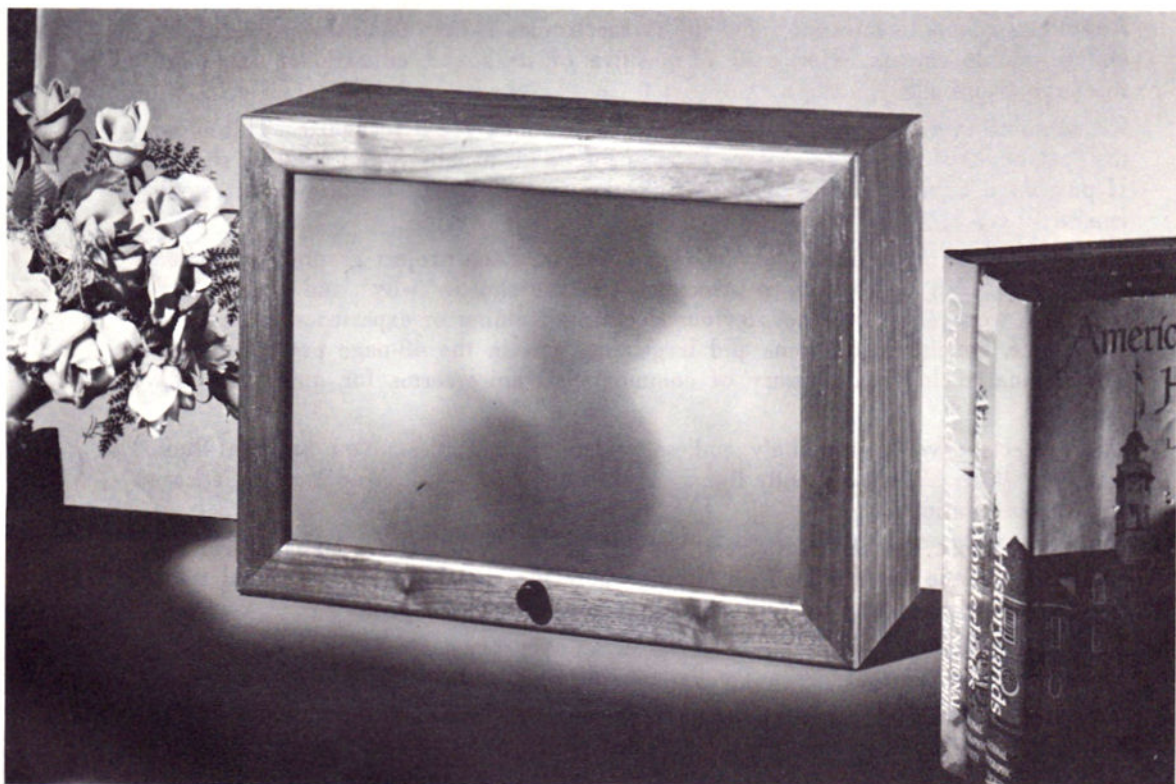
Correct time at a glance with this modern tv-lamp-clock. Hours, minutes, and seconds on rotating dials keeps correct time constantly in view. Attractive walnut case with contrasting persimmon face. Independent soft light can be used as night or nursery light. Self-starting electric motor uses 110V. 4" high, 7" wide, 3 1/8" deep. One year guarantee.

**\$10.90** Stock #765TO, 3 lbs., Parcel Post Insured



# CONAR audio color

Exciting new  
concept in  
music!



For music lovers and electronics enthusiasts alike, this transistorized marvel attaches quickly to hi-fi sets, stereos, tape recorders and *even most* radios. Simply connect two rubber insulated, alligator-clip leads to your speaker terminals, and you're ready to enjoy a color spectacular.

While you listen to your favorite melody, beautiful hues of red, orange, yellow, blue, green and violet move across the Audio Color screen in a breathtaking variety of patterns. A frosted screen eliminates glare without filtering the colors.

But Audio Color *does more* than paint the music. It also reproduces the tempo. With each *torrid* beat of the bongos . . . with each *clash* of the cymbals, the colors grow brighter. If the tempo mounts slowly, the colors brighten gradually. A *sharp rise* in volume is matched by a *sudden flash* of colors, bass on the right—treble on the left.

Audio Color is based on the idea that two senses are better than one. Now you not only hear the melody, but you also see it. And *you see it in brilliant, living color*. In much the same way the aroma makes a charcoal-broiled steak more savory, Audio Color makes music more enjoyable.

At "coat-and-tie" parties, or "come-as-you-are" get-togethers, your friends will be almost hypnotized by the dazzling, pulsating colors.

As a conversation piece, Audio Color, we admit, isn't always successful. Why? Because it usually leaves people speechless. In fact, if you want anyone to notice the striking prefinished walnut cabinet, be sure to turn off the colors.

Order the Audio Color in kit form and build it yourself in a few short hours. For those who can't wait to see it, we have a few already assembled.

## SPECIFICATIONS

**INPUT IMPEDANCE:** 30 ohms (can be used on 16 ohm or lower amplifier output)

**FREQUENCY RESPONSE:** 30 to 20,000 cps.

**OPTICAL CROSSOVER:** 500 cps.

**TRANSISTORS:** 2 type T13027, 1 type 2N555

**LAMPS:** 2 type #89

**INTERNAL HUM:** Undiscernible

**POWER REQUIREMENTS:** 35W at 115V, 60 cps.

**DIMENSIONS:** 11 $\frac{1}{4}$ " x 15 $\frac{1}{4}$ " x 6"

**SHIPPING WEIGHT:** 9 lbs.

**\$44.95**

Kit Stock #103UK  
shipped express, collect  
\$4.50 down, \$5.00 monthly

**\$54.95**

Assembled Stock #103WT  
shipped express, collect  
\$5.50 down, \$5.00 monthly



Ten *fascinating* and *safe* educational projects. This Kit is used by teachers in many school classrooms to introduce students to Electronics — help them toward satisfying and profitable careers. Here's proof positive of its sound educational value and thorough training.

Kit contains over 100 top-quality parts — name brands you'll recognize. This is not the "plastic-cardboard-battery" type experimenter's kit usually found on store shelves. If purchased separately, the parts used in the Adventures In Electronics kit would run well over \$30.00.

You learn about Electronics and *have fun* doing it. Each project graphically demonstrates a number of electronics principles. You're shown "why" and "how" these principles work. You need *no* previous electronic training or experience. Just follow the simple, concise instructions and large diagrams in the 48-page project manual. The manual includes a glossary of common electronics terms for quick and easy reference.

The projects cover a seemingly endless variety of activities. You build a Radio Receiver which performs exactly like a manufactured set — picks up local broadcasts and distant stations.

You learn about Testing Radio Sets. In this project, you build a signal tracer and use it to find the exact point in a circuit where the signal stops. The signal tracer is a test instrument used by professional electronics technicians.

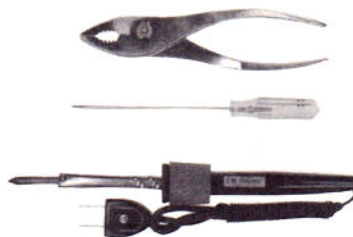
Then you become a Radio Announcer. You set up a broadcast station, and with the speaker as your "mike," transmit your voice through your radio or a neighbor's set.

Now you're ready to move on to another project. Here you assemble a "Secret Listener." The speaker becomes a concealed microphone. Put it in one room and hear any conversations through a receiver without being present. Use it as an electronic "baby sitter." Mother can place the "Listener" near baby's crib and hear cries while she's in another room.

You'll experiment with sound. In one project you build an Audio Oscillator and produce a wide range of sounds. Another experiment teaches how sound is magnified. After putting together an Audio Amplifier, you amplify sounds from a phonograph pick-up.

Finally, you're ready to create music electronically. You build a Theremin, an electronic musical instrument often used to provide "spooky" background music for movies. Create weird musical sounds merely by waving your hand near the Theremin. It serves as a warning system too. When anyone comes near the Theremin, it "sounds the alarm" by emitting an audible squeal.

Truly a practical investment, the Adventures in Electronics Kit both *educates* and *entertains* for countless hours. It's the perfect gift for scientists and engineers of tomorrow — and for their Dads, too.

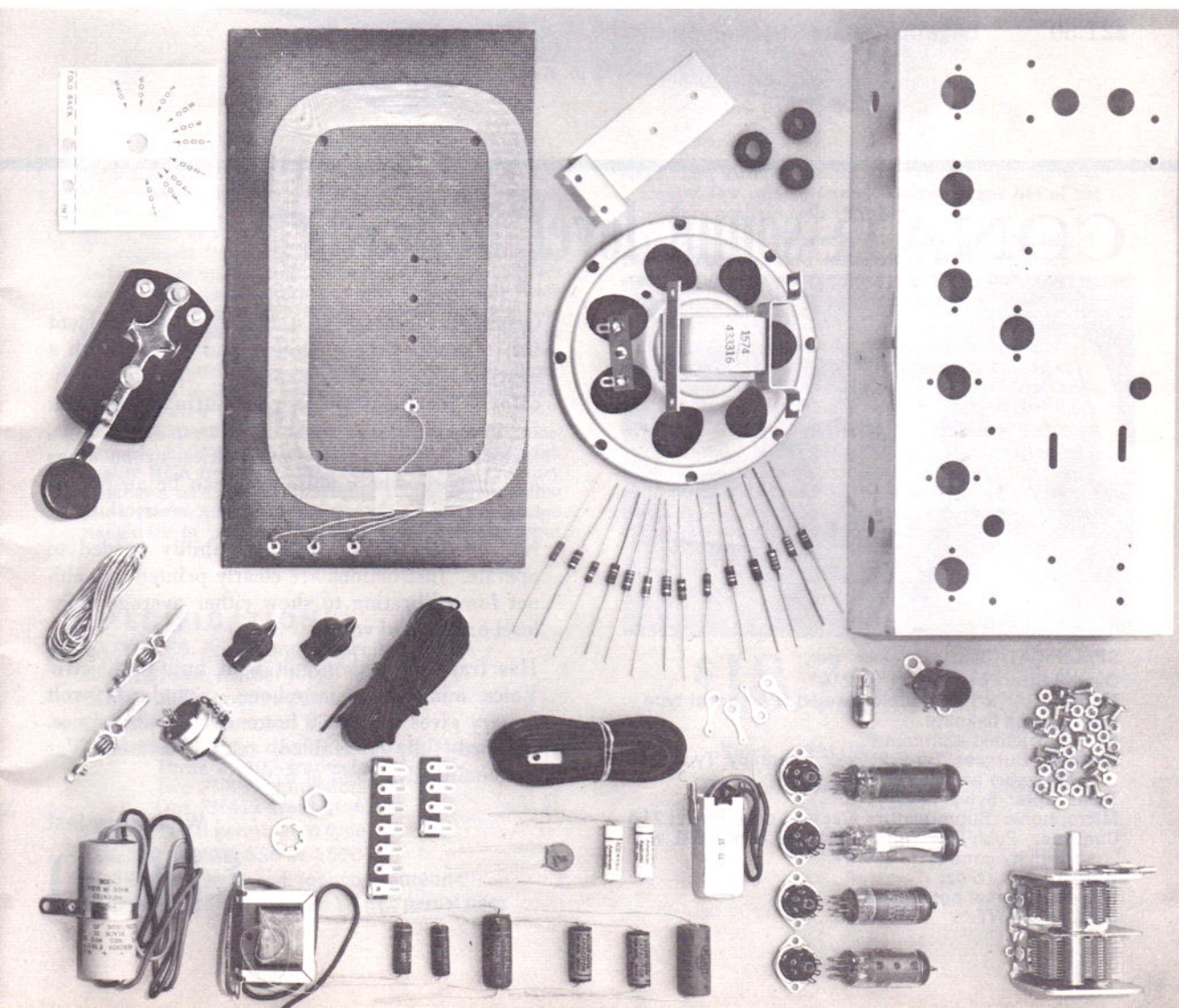


Soldering Iron, Pliers and Screwdriver  
Included FREE!

**\$18.95**

Stock #26UKSIP. Weight: 4 lbs. 8 oz., parcel post.







# CONAR metal locator kit

**CAN LOCATE SILVER, COPPER, GOLD, ALUMINUM, ZINC, BRASS, BRONZE, IRON**

Sensitive, rugged and lightweight (just 2 lbs.), it accurately detects buried metal of any kind. The only metal locator kit on the market anywhere near the price. Many uses for jobs and hobbies. Find electrical or plumbing lines, coins, valuable relics. Not affected by salt water, it's perfect for searching along beaches. Locator comes equipped with standard general purpose search head. Optional small object and large object search heads give the locator greater detection strength for special jobs.

Sensitivity depends on depth of object. Small object search head detects 10 sq. inches of aluminum buried 1½ feet. Large object search head detects 20 sq. inches of aluminum at 5 feet. General purpose head finds 10 square inches at 2½ feet or 20 sq. inches of aluminum buried 2¾ feet. Built in under 3 hours. Simple to operate. Adjust tone pitch to low. Tone rises instantly as locator passes over metal. Up to 3000 hours use on 4 ordinary penlite cells. Shipped complete with manual, headphones and batteries—nothing else to buy.

**\$49.50**

**Kit Stock #100TUK, 5 lbs. express. Assembled Stock #100WT—\$54.50 5 lbs. (General purpose search head included with #100TUK and #100TWT)**

**\$9.50**

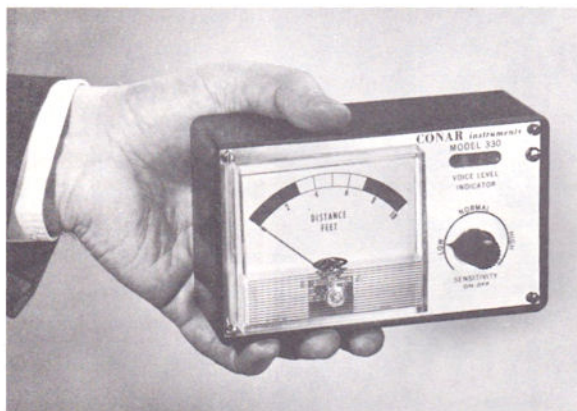
**Small Object Search Head (optional) Stock #1AC 7 oz.**

**\$21.50**

**Large Object Search Head (optional) Stock #2AC 2 lb. 8 oz.**



# CONAR sound level indicator



## SPECIFICATIONS:

**Overall Size:** 3¾" x 6¼" x 2½"

**Meter:** 3½" x ½", double-jeweled D'Arsonval type

**Case:** Black bakelite

**Panel:** Brushed aluminum

**Battery:** Burgess Type 2U6 or Eveready Type 216 (obtainable anywhere)

**Transistors:** Sylvania 2N306

**Microphone:** Subminiature Electro-Voice, Model 718

**Controls:** Push-Pull On/Off switch, combined with sensitivity control

**Weight:** 1 lb., 5 oz.

**Shipped:** parcel post insured

**Stock #330WT**

Originally designed as a therapeutic instrument for teachers of speech, voice, and persons with a hearing defect. Operates like "applause indicator." Ideally suited as a measuring instrument for controlling noise level in classrooms, offices, factories, restaurants — even cities, urban areas and airports where noise level can be an important factor in determining zoning restrictions.

No special skills or technical ability needed to operate. Instructions are clearly printed on cabinet for calibrating to show either average voice level or range of voice.

Has transistorized circuit with built-in Electro-Voice miniature microphone. Standard 9-volt battery gives up to 300 hours life in normal use. Shipped fully assembled, ready to use. Was nationally advertised at \$79.50.

**While they last**

**\$44.50**



# CONAR transistor radio kit



Outstanding performance, distinctive styling—priced below other portables similar in quality. Compact, sturdy, and with no *delicate* printed circuits, the Model 291 is built to take it.

Completely free of the “tinny” and “brassy” noise you find in many other portables. A 4-inch speaker delivers smooth tone quality you normally expect only from larger, more expensive portable radios. You get “big portable” volume control and sensitivity, too. Tune in local stations crisp and clear. Pull in distant stations sharply and with plenty of volume. (From Washington, D.C., we’ve picked up broadcasts from stations in New York and New Orleans.)

The Model 291 uses matched, pre-aligned i-f transformers; high Q loop matched oscillator coil, 6 high quality RCA transistors with plug-in sockets. Circuitry includes a mixer oscillator, two i-f stages, a germanium diode as the second detector, a driver stage plus two transistors in push-pull class B operation for output

stage. Low current consumption (only 8 millionths of 1 amp at low volume levels) insures longer life of the 4 ordinary penlight cells (6 volts).

You’ll marvel at how easy you assemble the Model 291. Clear, straightforward instructions show you (step-by-step), exactly what to do. Build it in one evening, with just a soldering iron, long-nose pliers and side-cutting pliers.

Housed in a good-looking, brown, polished-leather type case that doesn’t bend, crack or *melt* as plastic cases often do. Over-all dimensions are 5 $\frac{3}{8}$ " high, 8 $\frac{1}{2}$ " wide and 2 $\frac{1}{4}$ " deep. The weight, case included, is just 2 lbs. Sturdy carrying handle fits your hand comfortably.

You and the Model 291 will become constant companions—whatever the occasion. At the beach, on a picnic or fishing trip, by your easy chair or under your hammock, it will give you top-notch performance. Indoors or out, this portable radio and pleasant times go together.

## SPECIFICATIONS

**BATTERIES:** Four standard penlight cells

**CASE:** Brown, leather finish texture

**CONTROLS:** On-off/volume; tuning

**CHASSIS:** Pre-punched aluminum

**TRANSISTORS:** Six quality RCA transistors:

Three 2N407 transistors

Two 2N409 transistors

One 2N411 transistor

**DIODE:** 1N60 germanium type

**TUNING RANGE:** 550 kc-1500 kc

**ANTENNA:** Ferrite rod, loopstick antenna

**SHIPPING WEIGHT:** 4 lbs. 13 oz.; parcel post

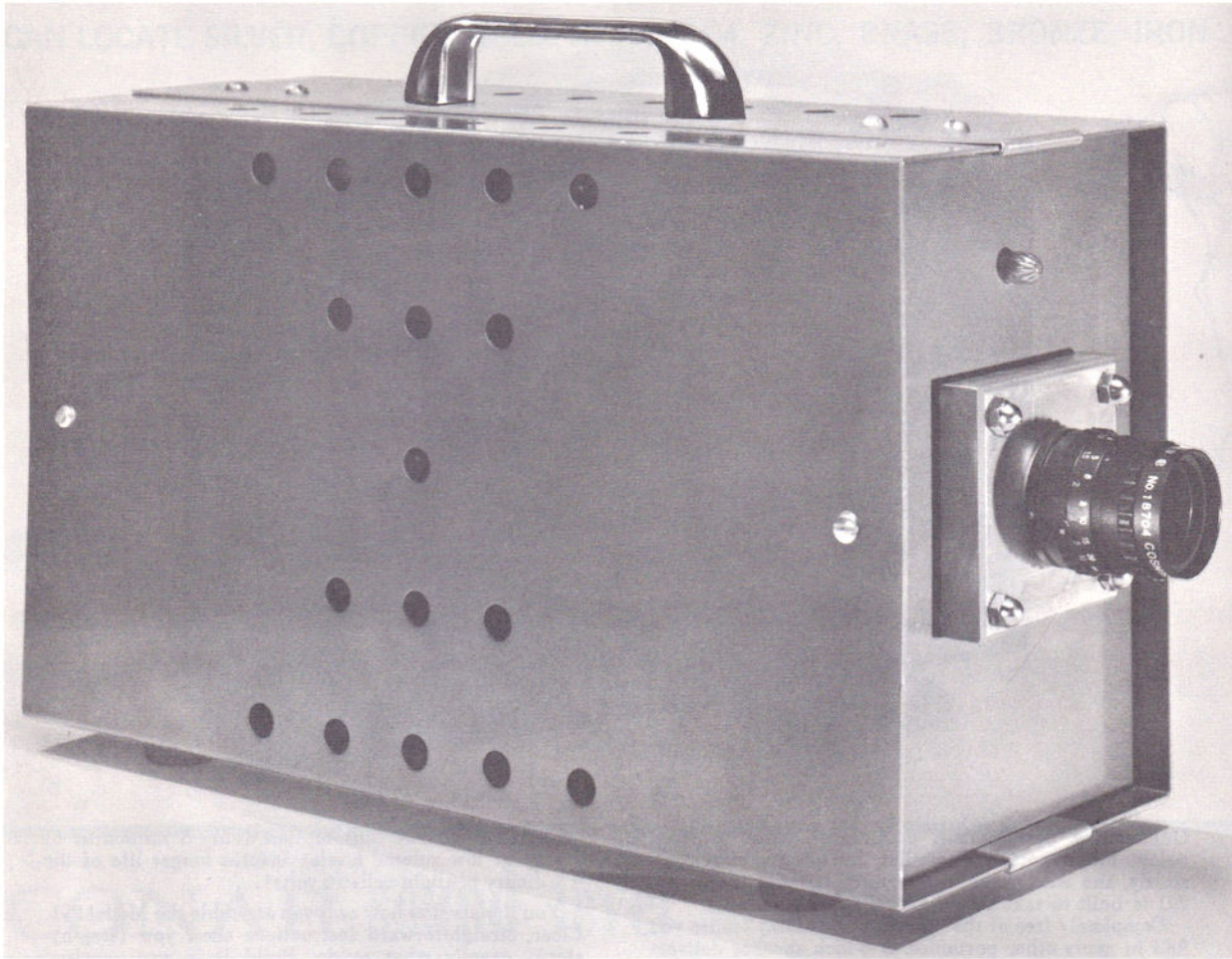
**\$18.75 Kit**

Stock #291UK

\$24.95 Assembled — Stock #291WT



# CONAR TV camera kit



**NEW! A complete closed-circuit TV camera including vidicon tube, 25mm. f 1.9 lens, cable, cabinet and complete instructions for only \$209.50!**

- Lowest priced complete TV camera on the market!
- Connects instantly to Antenna terminals of any standard TV set!
- Operates up to 6 monitor sets at 1,000 feet without special amplifiers!
- Compact — only 5" wide, 7" high, 12 $\frac{1}{4}$ " deep
- Hundreds of uses in homes, schools, offices, hospitals, stores, industry!
- Available factory assembled or in kit form!
- One year guarantee on all parts (vidicon tube guaranteed 90 days against defects)!

Stock

Kit #800UK; Wired #800WT

Shipping Weight: 12 lbs. Express Collect



A truly remarkable, *low-cost* closed circuit TV camera kit that connects *instantly* to any standard television set. In fact, as many as **SIX** TV receivers may be connected to one Model 800 camera without loss of picture quality. And all it takes is a quick, simple connection to the antenna terminals. Conar supplies all necessary parts. Just tune your TV receiver to any unused channel (2 to 6), connect the camera to the antenna terminals, and turn the rf adjustment screw to the proper channel. That's all there is to it.

May be used indoors or outdoors regardless of lighting conditions. In the average home, the light from a single 150-watt bulb is adequate to produce clear, sharp images on your TV screen. Additional lighting allows the camera to operate at a less sensitive setting, giving even sharper pictures. You'll find that the usual industrial lighting in a plant is more than adequate.



#### Available factory assembled or in kit form

The major part of the wiring for the Model 800 is carried on a specially designed, rugged, etched circuit board, making assembly an easy job, even for beginners. The board has been designed to assure uniformity in critical high frequency video amplifier circuits . . . uniformity often

lacking in "hand wired" circuits of other cameras. The Model 800 circuit has five dual-purpose tubes, nine diodes and a sensitive vidicon pick-up tube . . . the equivalent of 12-tube performance. Transformer power supply provides safe electrical power, isolated from the power line. Four operating controls and fuse are mounted conveniently on the rear panel. Lens and "telltale" pilot light are on front panel. Handy chrome carrying handle is mounted on top of the heavy gauge aluminum cabinet, finished in rich metallic blue. Standard mount on bottom of cabinet enables use of any regular camera tripod. Four rubber feet prevent marring of table or counter top.

#### 1001 uses in homes, schools, stores, factories

Useful applications of the Conar Model 800 TV Camera are limited only by your imagination. Any situation calling for remote surveillance of anything at any time calls for the Model 800.

■ **IN THE HOME** use the Model 800 to "watch" the front door to guard against strangers; to watch the kids at play and in swimming; to watch baby or sick persons; to put on your own TV programs ("kids" of any age love it!).

■ **IN HOTELS AND MOTELS** use the Model 800 to "watch" the desk or driveway entrance.

■ **IN STORES** use to "guard" against shoplifters; to announce special sales by displaying merchandise.

■ **IN SCHOOLS** use for your own closed circuit educational TV programs within one classroom or many; to watch playground activity or cafeterias from the office.

■ **IN FACTORIES** use for production line inspection; for watching processes in inaccessible locations; for guarding gateways, doorways and elevators; for checking on shipments; for warehouse control.

■ **IN HOSPITALS** use the Model 800 to watch intensive care patients; give students close-up view of critical operations.

THE MODEL 800 can be located as much as 1,000 feet from a TV receiver or monitor set without noticeable loss of picture quality.

## SPECIFICATIONS

**SIZE:** 5" wide, 7" high, 12 $\frac{1}{4}$ " deep.

**WEIGHT:** 11 pounds (with standard lens).

**POWER CONSUMPTION:** 45 watts (120V, 60-cycle, AC only).

**OUTPUT:** Modulated rf, any TV channel from 2 to 6.

**OUTPUT LEVEL:** Greater than 100,000 microvolts.

**OUTPUT IMPEDANCE:** 75 ohms, unbalanced.

**SWEEP RATES:** Random interlace, Horizontal, 15,750 cps. Vertical 60 cps line locked.

**RESOLUTION:** 240 lines —3 mc.

**USER CONTROLS:** Horizontal frequency; Target; Beam; Focus; On/Off.

**INTERNAL ADJUSTMENTS:** V. Height; V. Linearity; V. Centering; H. Width; H. Linearity; H. Centering; Channel Adjust; High Peaker.

**CABLE:** 25 ft. shielded type supplied with camera. Available in any length up to 1,000 feet at .05 per foot additional.

**STANDARD LENS:** Included with kit; 25 mm., f1.9 focusing from 2' to infinity. Click-stop iris to f22. Standard "C" mount.

**PRICE:** Kit Price: \$209.50. Includes vidicon tube, standard lens, cabinet, all parts, clear-cut assembly and operating manual.

Assembled price: \$259.50.

**SHIPMENT:** Express; C.O.D. for the shipping charges.

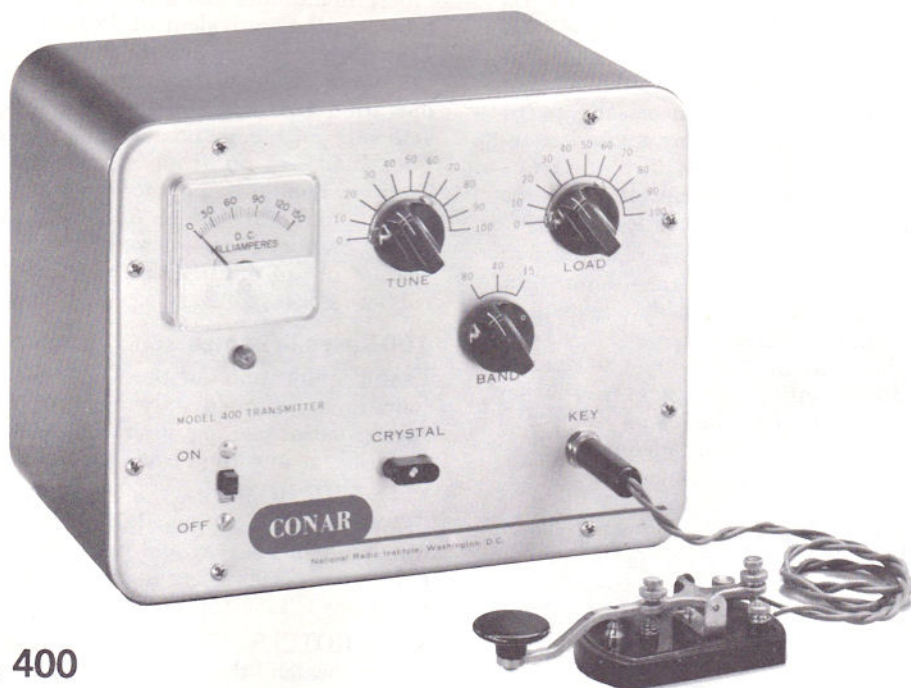
## ACCESSORIES

- 12.5 mm., f1.9 wide-angle lens focusing from 10" to infinity. Click-stop iris to f22. Standard "C" mount (\$36.00 additional.) Stock #507LE
- 50 mm., f1.9 telephoto focusing from 2' to infinity. Click-stop iris to f22. Standard "C" mount. (\$28.00 additional.) Stock #508LE.
- Professional-type tripod. (\$21.00 additional.) 5 lbs. Stock #11AC.

**SHIPMENT:** Parcel Post Insured



# CONAR ANNOUNCES a brand new line of



## MODEL 400 3-Band Novice Transmitter

### OUTSTANDING FEATURES

- Crystal Controlled
- 3 Bands — 80, 40, 15
- Pi-Network Output
- 3" Panel Meter
- 25 Watts Input
- Transformer Operated
- Crystal Protection
- Co Ax Output
- Compact —  
Only 10" x 7½" x 6½"

## 25-WATT TRANSMITTER

The Conar Model 400, is housed in a compact 10" x 7½" x 6½" cabinet with smooth dark blue finish. Inside this attractive cabinet is a remarkable powerhouse capable of putting your signal around the world. Yet, it's so simple to build—so easy to tune—even an inexperienced builder can have this rig on the air after one evening's work.

The Model 400 operates with a power input of 25 watts on the three most popular novice bands...80, 40, and 15 meters.

Handsome, functional 3" square panel meter tells at a glance how the transmitter is operating. Makes "tuning up" fast and simple.

Special variable-impedance current-limiting device in crystal oscillator circuit insures you of the cleanest, purest signal on any band, even 15 meters. At the same time, this device protects your valuable crystals from damage by high radio-frequency currents.

New power supply design is transformer operated, using a dual silicon rectifier to provide ripple-free dc for plate power. When the transmitter is turned off, an effective bleeder resistor regulates and discharges the high-voltage capacitors.

The Model 400 comes complete with code key. Crystals not included. Assembly manual tells you how to order crystals.

Transmitter Kit  
Stock # 400UK

Only \$32.50

Assembled Stock #400WT — \$46.50  
Weight: 10 lbs. parcel post insured

## BOTH KITS PLUS FREE

or both units assembled  
plus manual for \$97.00



# LOW-PRICED, TOP-QUALITY AMATEUR EQUIPMENT



**MODEL 500**  
**3-Band Novice**  
**Communications Receiver**

## THREE BAND RECEIVER

Designed with the novice in mind, the new Conar Model 500 communications receiver is easy to build—easy to use, offering most features of receivers priced much higher. It's identical in size to the Conar Model 400 Transmitter. Both units together take up less than one square foot of desk space!

Circuit is a straightforward superheterodyne with TWO stage i-f amplification for the all-important gain needed to "dig down" for weak signals. An antenna trimmer lets you adjust the front end for peak reception on each of the three bands, 80, 40, and 15 meters. Each band stretches over nearly the full travel of the large tuning dial. They aren't cramped in a tiny space like many other receivers.

A separate, stable bfo provides clear reception of cw and ssb signals. I-F gain is variable for changing the receiver sensitivity for both weak and strong signals. Following the detector are two stages of audio amplification that will drive either the built-in loudspeaker or a set of headphones to full output.

The Model 500 is transformer operated for safety and uses an efficient semiconductor rectifier to supply power to the various circuits.

## OUTSTANDING FEATURES

- 3 Bands — 80, 40, 15
- 2 I-F Stages
- Separate BFO
- 2 AUDIO STAGES
- Antenna Trimmer
- Receives AM, CW, SSB
- Transformer Operated
- Built-in Speaker
- Headphone Jack
- Variable I-F Gain
- Vernier Tuning

## ARRL MANUAL for \$64.00



includes complete instructions  
for getting Novice License.

**Receiver Kit**  
**Stock #500UK**

**Only \$37.50**

**Assembled Stock #500WT — \$56.50**  
**Weight: 9 lbs. parcel post insured**



# CONAR model 221

## cathode conductance tube tester kit

Completely new, modestly-priced Tube Tester Kit, designed by men with *unequalled* experience in training technicians — understanding their equipment needs and servicing problems. No unnecessary frills added to the Model 221's specs. Only those features most essential to a technician's work are built in.

Every technician — full or part time — needs the Model 221 for his bench. Helps you make better job estimates and pays for itself quickly in extra profits. Perfect for experimenters and hobbyists, too.

Tests all series string and up to date tubes as well as the standard base types — 4, 5, 6, 7-pin large, octal, loctal, 7, 9 and 10-pin miniatures, 5 and 7-pin nuvistor, novar and compactron. Checks 17 individual filament voltages from .75 to 110 volts. Tests multi-section tubes, gas rectifiers and remote control gaseous types. Has open-close "eye" test for cathode ray indicator tubes, and visible filament continuity check to show up open filaments regardless of pin position.

12-Lever element selector-distribution system enables you to select the individual elements of the tube you're checking and simplifies cathode leakage tests and inter-element short tests. Most important, this feature provides you with flexibility AND gives you insurance against obsolescence as new tubes reach the market.

Designed around the approved Electronic Industry Association's Emission Circuit, the Model 221 uses a precise, accurate, double-jeweled meter movement. It's balanced and factory calibrated within 2% accuracy. Large, easy to read — with clear plastic case and two 2-color scales.

Test sequence set-up to reveal quickly open filaments and shorts. This time-saving feature rejects an "open" or "shorted" tube and lets you proceed with more detailed checks right away. For maximum safety to you and the instrument, the test circuit transformer is isolated from the power line. Triple-window, high-speed, gear-operated roll chart is illuminated, easy to read, even in darkened areas. Lists over 2,000 tube types.

Durable, black, leather-fabric case makes the Model 221 attractive as well as functional. Hinged lid is removable. When the lid is on, a snap lock holds it securely. Etched lettering on the satin-finish, aluminum panel won't rub off.

Lever switches and other controls conveniently grouped to eliminate wasted motion. This minor, but thoughtful feature is typical of the care put into the Model 221.

The instruction manual for the Model 221 is written with the same high standard that went into the circuit design — with HUGE picture diagrams to guide you every step of the way.

Building the Model 221 is easy. Using it is even easier. The operating simplicity makes it a pleasure to use. Just 12 lbs. — it's a pleasure to tote along on service calls, too.

**CONAR KEEPS YOUR MODEL 221 UP TO DATE:** New, revised Model 221 roll charts are made available a minimum of once each year to keep owners up-to-date with test data on recently introduced tube types. As a Model 221 owner, you will be notified automatically when a new chart comes off the press. Each chart includes special supplement listing test settings for foreign tubes and special purpose types.

**ADAPTERS FOR TESTING TV PICTURE TUBES:** 70°-90° Adapter — Lets you test TV picture tube in a receiver or in factory carton. Test includes cathode emission check and check for shorts between various tube elements. Price \$3.00. 110° Adapter — For testing the latest 110° picture tubes. (Note: You must have 70°-90° Adapter in order to use 110° Adapter.) Price \$3.00



(ALSO AVAILABLE WIRED)



## SPECIFICATIONS

**CASE:** Black, leather-fabric; removable, hinged lid with safety catch

**PANEL:** Satin-finish, aluminum

**PANEL LETTERING:** Red, etched —won't rub off

**METER:** Double-jeweled D'Arsonval type; accurately balanced and factory calibrated to within 2% accuracy

**ROLL CHART MECHANISM:** Triple-window, high speed, gear-operated; illuminated

**SAFETY FEATURE:** Test circuits transformer isolated from power line affords utmost safety to operator and instrument

**POWER REQUIREMENTS:** 50-60 cycle, 110-120 Volt, AC only

**WARRANTY:** Standard EIA warranty on all parts

**DIMENSIONS:** Width 15¼"; length 10½"; depth 4¾"

**ACTUAL WEIGHT:** 12 lbs.

**SHIPPING WEIGHT:** 15 lbs., parcel post insured

### TEST FEATURES:

ACCOMMODATE ALL SERIES STRING AND OTHER UP-TO-DATE TUBE TYPES: 17 individual filament voltages from .75 to 110 volts. Tests all standard base types: 4, 5, 6 and 7-pin large, octal, loctal, 7, 9 and 10 pin miniatures, 5 and 7-pin nuvitors, novars, and Compactrons, etc. OPEN ELEMENT TESTS: This special test supplements the primary Emission Test. 12-LEVER ELEMENT SELECTOR-DISTRIBUTING SYSTEM: Important feature provides complete flexibility and anti-obsolence due to changing and new tube basing terminations. INDEPENDENT FILAMENT TERMINAL

SELECTION: Locates terminals of all filaments regardless of pin positions. VISIBLE FILAMENT CONTINUITY TESTS: Quickly shows up open filaments including open sections of tapped filaments. TESTS SPECIAL TUBES: Tests special purpose tubes and gas rectifiers as 0Y4, 0Z3, 0Z4 and remote control gaseous types, such as 0A4. TESTS MULTI-SECTION TUBES: Individual test for each section of multi-section tubes. open-close "eye" test for cathode ray indicator tubes. HOT CATHODE LEAKAGE TESTS: Reliable, sensitive neon method quickly shows up cathode leakage. INTER-ELEMENT SHORT TESTS: Made simple by CONAR 12-lever element selector system. METER: Large, easy-to-read with clear plastic case. Accurately balanced and factory calibrated to within 2% accuracy. Double-jeweled D-Arsonval type. LINE ADJUSTMENT: Continuously variable, heavy-duty line voltage control. SEPARATE WINDING ON POWER TRANSFORMER FOR TEST VOLTAGE: Filament voltage taps are NOT used for test voltage supply.

# \$43.50

Kit Stock #221UK. Assembled Stock #221WT — \$59.50

70°-90° Adapter \$3.00 — Stock #3AD. 110° Adapter \$3.00 — Stock #5AD

Low as \$4.35 down, \$5 monthly







# CONAR

## signal generator

(Kit or Assembled)

Widely acclaimed as most accurate signal generator near the price.

Uses Hartley type oscillator circuit with *six* separate coils and capacitors to give accuracy *within 1%* after easy calibration. All coils are carefully pre-aligned, double-checked before shipment.

High output of the Model 280 simplifies signal injection for rapid alignment and troubleshooting of transistor and tube receivers. Covers 170 kc to 60 mc in six ranges with harmonic frequency coverage over 120 mc. Ideally suited as marker generator for TV alignment.

Tuning dial features planetary drive with 6:1 ratio for greater accuracy and elimination of backlash. Scale is full 9" wide with transparent hairline pointer for readings at a glance. Has a single cable for all outputs, no need to change leads when switching from 400 cycle audio to modulated or unmodulated RF.

The Model 280 is a companion instrument to the Model 230 Signal Tracer and Model 311 Resistor-Capacitor tester with the same built-in quality and ruggedness.

### SPECIFICATIONS

**FREQUENCY COVERAGE:** 170 kc to 60 mc on 6 bands, 60 mc to over 120 mc on harmonics

**CONTROLS:** High-Low Output Selector, Main-Tuning Dial, Band Selector—A thru F, Output Selector—Mod, RF, Audio, Attenuator/On-Off switch

**TUBES:** 6BE6, 12AU7

**POWER SUPPLY:** solid state

**CIRCUIT:** Tuned RF coils with mica trimmers on low bands, Ceramic trimmers on high bands, Transformer power supply (isolated from power line)

**CABINET:** Steel, baked-on rich blue finish

**PANEL:** Satin finish steel, red lettering

**DIMENSIONS:** 9 $\frac{7}{8}$ " x 7 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ "

**ACTUAL WEIGHT:** 8 lbs.

**SHIPPING WEIGHT:** 9 lbs., shipped parcel post insured

# \$24.95

Kit Stock #280UK. Assembled Stock #280WT—\$35.95

\$2.50 down, \$5.00 monthly



# CONAR

## resistor-capacitor tester

(Kit or Assembled)

The Model 311 gives fast, accurate, reliable test on all resistors and capacitors. Measures capacity of mica, ceramic, paper, oil-filled and electrolytics from 10 mmfd. to 1500 mfd, 0-450 volts. Checks for leakage, measures power factor and useful life. Shows exact value of resistors from 1 ohm to 150 megohms. Clearly indicates opens and shorts.

Has "floating chassis" design to greatly reduce shock hazards. The Model 311 will also apply actual DC working voltage to capacitors to reveal break-down under normal circuit conditions, a feature far superior to many R-C testers which give low voltage "continuity" tests.

Can be used for in-circuit tests in many applications and circuits. Has 1% precision resistors in range circuit. A basic test instrument that won't become obsolete!

### SPECIFICATIONS

**RESISTANCE RANGES:** 0-500  
ohms, 100-50K, 10K-5M,  
1.8M - 150M (extended range)

**CAPACITY RANGES:** 0.1-50 mfd,  
.001-.5 mfd, .00001-.005 mfd,  
18-1500 mfd (extended range)

**CONTROLS:** Range Selector, Leak-  
age Test Voltage (0-450), Power  
Factor (0-60%)

**TUBES:** 6E5 "eye" indicator, 6X4  
**BINDING POSTS:** Special 5-way  
type

**CABINET:** Steel with rich blue  
finish

**PANEL:** Steel w/satin finish and  
red lettering

**DIMENSIONS:** 9 $\frac{7}{8}$ " x 7 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ "

**POWER SUPPLY:** 110-120 V, 60  
cycle AC

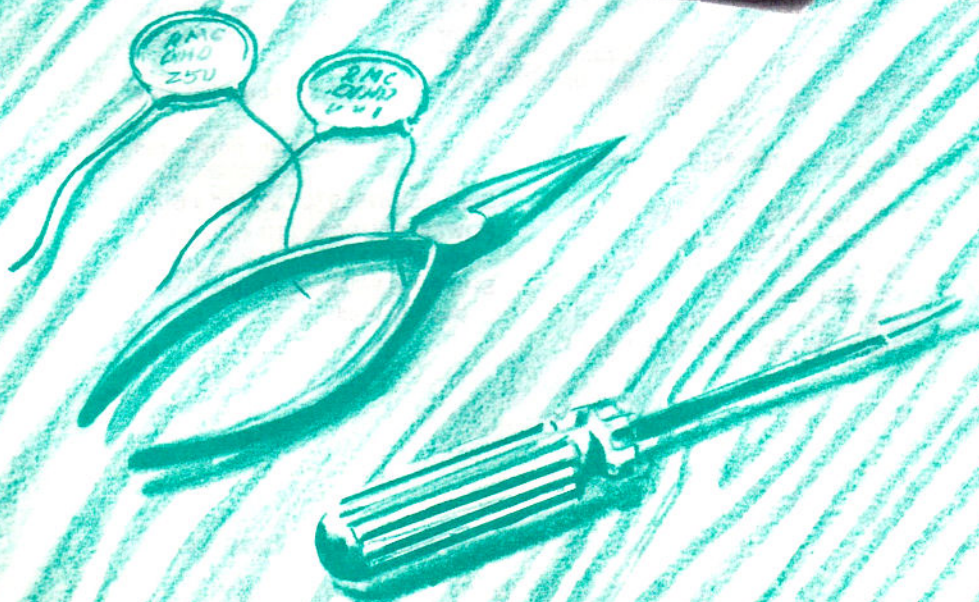
**SHIPPING WEIGHT:** 9 lbs., parcel  
post insured

# \$21.95

Kit Stock #311UK. Assembled Stock #311WT—\$31.95

Low as \$2.20 down, \$5.00 monthly







# CONAR

## tuned signal tracer (KIT OR ASSEMBLED)

Makes servicing of transistor, vacuum tube and hybrid receivers easy. Can be used to locate a dead stage, to find hum, noise and distortion as well as intermittents. Will pay for itself over and over again.

The Conar Model 230 tuned signal tracer is not to be confused with low cost untuned signal tracers which contain only a diode detector and an audio amplifier. Untuned signal tracers are of very limited value in service work.

The first stage of the Conar Model 230 Signal Tracer is a high input impedance cathode follower which can be connected to any rf stage, mixer, oscillator or i-f stage of any receiver with a minimum of detuning. The output of the cathode follower is fed through a calibrated attenuator to two high-gain tuned rf stages which select the desired signal and reject extraneous signals. The signal is then fed to a diode detector and from there through two audio stages to a built-in speaker. A visual indication of the signal amplitude is provided by means of a tuning eye, so you can measure the gain per stage in a receiver or use the tracer to accurately align a receiver without a signal generator.

Another use of the Model 230 Signal Tracer is in audio circuits. Simply put the RF-AF switch in the AF position and the first rf stage is changed to an audio stage so the cathode follower output feeds to a high-gain three stage audio amplifier. Use it to locate defects in the audio section of receivers or in servicing hi-fi or stereo amplifiers.

There are more than 12 pages on uses of the Model 230 in the Instruction Manual. Here is an instrument that will be invaluable to beginners and cut servicing time in half for the experienced technician on many sets.

### SPECIFICATIONS

**FREQUENCY:** 170 kc to 1500 kc  
(2 bands)

**TUNING:** Planetary Drive, 3:1 ratio

**SPEAKER:** 4" PM left side of cabinet (not shown in illustration)

**RF TRANSFORMERS:** Permeability tuned

**ATTENUATORS:** Tuned RF and AF

**CATHODE FOLLOWER PROBE:**  
(6AB4 tube in special circuit:  
shipped assembled)

**TUBES:** (2) 6GM6, (1) 6AV6, (1)  
6AQ5, (1) 6E5, (1) 6X4, (1) 6AB4

**CONTROLS:** Volume, Band Selector, Main Tuning, Fine Attenuator On-Off, Coarse Attenuator, RF-AF switch

**CABINET:** Steel, smooth rich blue finish

**PANEL:** Steel w/satin finish, red lettering

**DIMENSIONS:** 9 $\frac{7}{8}$ " x 7 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ "

**POWER SOURCE:** 110-120, 60 cycle AC

**SHIPPING WEIGHT:** 11 lbs., parcel post insured

# \$39.95

Kit Stock #230UK. Assembled Stock #230WT—\$57.50

Low as \$4.00 down, \$5.00 monthly









## SPECIFICATIONS

**VERTICAL SENSITIVITY:** .023 VRMS

**VERTICAL FREQ. RESPONSE:**  
Flat 13 cps to 2.5 mc, Down .05 db at 11 cps, Down 1.5 db at 3.58 mc (color burst), Down 3.5 db at 4.5 mc

**HORIZONTAL SENSITIVITY:** 1.0 VRMS

**HORIZONTAL FREQ. RESPONSE:**  
Flat 20 cps to 90 kc, Down .8 db at 12 cps, Down 3 db at 250 kc

**RISE TIME:** .05 ms

**SWEEP FREQUENCY:** 10 cps to 500 kc

**TUBES:** 11 (equivalent of 19 using dual-types)

**PUSH-PULL ON-OFF** does not upset other adjustments

**CONTROLS:** Intensity, Focus, On-Off, Astigmatism, Horiz. Centering, Vert. Centering, Horiz. Gain, Vert. Gain, Sweep Selector, Vert. Attenuator, - Fine Frequency, Sync Selector, Sync

**CABINET:** Heavy gauge steel, baked on rich blue finish, rubber feet, chrome handle

**PANEL:** Satin finish aluminum (not painted) with red lettering

**BINDING POSTS:** 5-way type to accommodate all connectors

**DIMENSIONS:** 9 $\frac{3}{8}$ " x 13 $\frac{3}{4}$ " x 15 $\frac{1}{2}$ "

**POWER SUPPLY:** 110-120 volts, 60 cycle AC, fused circuit

**ACTUAL WEIGHT:** 21 lbs.

**SHIPPING WEIGHT:** 26 lbs., shipped via express for safest handling

# \$89.50

Kit Stock #250UK. Assembled Stock #250WT—\$139.50  
Low as \$8.95 down, \$5 monthly



# CONAR

## 5" wide band oscilloscope

(KIT OR ASSEMBLED)

Advanced design, newest circuitry, exclusive features—a truly professional oscilloscope for laboratory or service shop. The Model 250 is ideally suited for color and monochrome TV, AM-FM and transistor radios, hi-fi and stereo amplifiers, plus numerous industrial electronic applications.

Note these Conar Model 250 features:

- Uses **2400 volts on the cathode ray tube** — **50% more than most scopes**. Trace remains clear, distinct, bright, with increase in sweep frequency or vertical-horizontal expansion. Forget about darkening room to observe traces on your Model 250 screen!
- **Vertical gain control is calibrated for direct reading of peak-to-peak voltages**. Simply multiply vertical gain control setting by attenuator setting by trace height for quick, accurate peak-to-peak readings. No need to remember special formulas or "feed-in" calibrating signals.
- New improved scope circuitry gives **excellent linearity** at low frequencies without limiting the production of high frequency sweep signals.
- **Two stage retrace blanking amplifier gives 100% retrace blanking** at all frequencies produced by the scope sweep generator. Retrace lines *will not* confuse the display at high sweep frequencies.
- Accurately measures ripple output of power supplies; checks auto radio vibrators dynamically.
- Intensity and focus controls use special insulated high voltage potentiometers to eliminate leakage and shock hazards.
- **Has push-pull outputs** balanced by separate phase splitter tubes in both horizontal and vertical amplifiers.
- **Built-in flyback checker** gives rapid, in-circuit testing of flybacks, transformers, yokes, coils, loop sticks. Eliminates need for a separate flyback tester costing from \$40 to \$70.
- Sweep range — 10 cps to 500 kc — **five times the range of most other scopes**, using special linearity circuit.

The Model 250 can be assembled in less than 15 hours — even by an inexperienced kit builder. Uses only top grade components. Most components are over-rated, giving you an extra margin of dependability plus years of trouble-free service. And — there's no trouble finding replacement parts if ever needed. (Of course, we stock a complete inventory of parts, too.)

Step-by-step assembly instructions include big 17" x 22" picture diagrams plus 12 full pages of comprehensive operating instructions with more than 30 illustrations showing wave forms and connecting points.

**OPTIONAL ACCESSORY.** Set of four heavy duty probes designed specifically for use with Model 250. Set includes: Signal Tracing; Low Capacity; Resistor Isolated; and Direct Testing probes; roll-up carrying case. Shipped fully assembled. Complete instructions in Model 250 manual. Stock #250PB. 1 lb. Parcel Post. Price — \$15.95.





EVERYONE NEEDS —

# CONAR electrical appliance tester



for  
fans  
lamps  
toasters  
refrigerators  
clocks  
washers  
etc.

For Professional,  
Homeowner, or  
Hobbyist.

## SPECIFICATIONS

**METERS:** Double-jeweled  
D'Arsonval type, 0-1 ma and  
15 amp special scales

**VOLTAGES RANGES:** 0-150 AC,  
0-300 AC

**OHMS RANGES:** 0-1000, 0-10,000  
ohms

**AMMETER RANGES:** 0-15 amp  
(direct line plug in panel)

**BATTERY:** 1.5 volt "D" cell for  
ohms circuit

**CONTROLS:** 6-position switch for  
volts-ohms; ohms adjust  
potentiometer

**OVERLOAD PROTECTOR:** 15 amp  
fuse

**DIMENSIONS:** 7½" x 7½" x 3½"

**POWER SOURCE:** 110-120 volts,  
60 cycle AC

**ACTUAL WEIGHT & SHIPPING  
WEIGHT:** 5 lbs., shipped parcel  
post insured.

**\$24.50**

Kit Stock #200UK. Assembled Stock #200WT — \$32.50

## Complete instructions included —

For troubleshooting all household appliances — refrigerators, toasters, fans, lamps, clocks, washers, etc. A versatile, labor-saving instrument for the repair shop, the Model 200's amazingly easy operation makes it perfect for home use too. Test-proven in over 12,000 shops and homes. Quickly, *accurately* pinpoints what's causing the trouble. Measures the actual current consumption of any operating appliance, tests for proper voltage up to 300V. Locates house wiring defects, checks for open circuits, faulty connections, and "shorts."

Sensitive resistance ranges (0 to 1,000; 0 to 10,000 ohms) let you test all resistance in motors. It'll also check circuit breakers, switches and thermostats. With the Model 200's direct line plug-in panel, test voltage to any outlet simply by plugging the tester into the outlet.

Ideal for testing electrical systems in automobiles, too: checks generators, distributors, starter motors and brake light switches — just a few of the jobs it will do.

Uses two precision double-jeweled meters and 1% precision resistors. Top-quality 30" alligator clip test leads come with it at no additional cost. Rugged yet good-looking fabric covered wood cabinet adds to the professional appearance. The cabinet has a carrying handle and removable lid — plus extra space for storing small tools, fuses, etc.



# CONAR

## ORDER BLANK

DIVISION OF NATIONAL RADIO INSTITUTE  
3939 WISCONSIN AVENUE • WASHINGTON, D.C. 20016

CHECK ONE:

- ☐ Cash Order  
☐ C.O.D. (20% deposit required)  
☐ Select-A-Plan Order

CHECK ONE:

- ☐ New Conar Account  
☐ Add-on Conar Account  
☐ Re-open Conar Account

PLEASE PRINT

Name

Address

City

State

Zip Code

Moved since last order?

Previous Address

Ship to another address? Give Directions here

Name

Address

City

State

Zip Code

City

State

1.	NAME OF ITEM	2.	STOCK#	3.	HOW MANY?	4.	PRICE EACH	5.	TOTAL	WEIGHT

### IMPORTANT

To speed handling, any correspondence should be on separate paper.

All prices are net F.O.B., Wash., D.C.

Please include postage for weight shown and insurance on Parcel Post orders. Refer to chart inside back cover of catalog.

Express Orders should not include shipping charges.

A 20% deposit is required on C.O.D. orders.

SELECT-A-PLAN ORDERS: Please complete and sign reverse side.

Thank you for your order.

Prices in the CONAR catalog and Select-A-Plan time payment privileges apply only to residents of the United States and Canada. Residents of other countries and territories may obtain CONAR products through ROCHE INTERNATIONAL CORPORATION, our Export Representatives. Address inquiries and send orders to: Roche International Corporation, 13 East 40th Street, New York, N. Y. 10016.

6.	Total for Merchandise		
7.	Sales Tax (Wash., D.C. only)		
8.	Parcel Post and Insurance		
9.	Total (Items 6, 7, and 8)		
10.	Amount enclosed (Down Payment and parcel post)		
11.	Unpaid Balance (Item 9 less item 10)		
12.	Credit Service Charge (See schedule on back)		
13.	Select-A-Plan Balance (Item 11 plus item 12)		

Please do not write in this space



# CONAR SELECT-A-PLAN

CHECK ONE: ☐ Standard Plan  
☐ Extended Plan

## SELECT-A-PLAN SCHEDULE

If Unpaid Balance is	Standard Plan Credit Service Charge	Monthly Payment	Extended Plan Credit Service Charge	Monthly Payment
UP to 20.00	2.00			
20.01 — 30.00	3.00		Available only on orders with unpaid balances over \$50.00	
30.01 — 40.00	4.00	5.00		
40.01 — 50.00	5.00			
50.01 — 60.00	6.00	6.00	7.00	
60.01 — 70.00	7.00		8.00	
70.01 — 80.00	8.00	7.00	9.00	5.00
80.01 — 90.00	9.00	8.00	11.00	
90.01 — 100.00	10.00	9.00	13.00	
100.01 — 110.00	11.00		15.00	6.00
110.01 — 120.00	12.00	10.00	17.00	
120.01 — 130.00	13.00		19.00	
130.01 — 140.00	14.00	11.00	21.00	7.00
140.01 — 150.00	15.00		23.00	
150.01 — 160.00	16.00	12.00	24.00	8.00
160.01 — 180.00	18.00	13.00	27.00	9.00
180.01 — 200.00	20.00	14.00	30.00	10.00
200.01 — 225.00	22.50	15.00	34.00	11.00
225.01 — 250.00	25.00	16.00	38.00	12.00
250.01 — 275.00	27.50	17.00	42.00	14.00
275.01 — 300.00	30.00	19.00	45.00	15.00
300.01 — 350.00	35.00	21.00	51.00	17.00
350.01 — 400.00	40.00	24.00	58.00	19.00
400.01 — 450.00	45.00	27.00	66.00	22.00
450.01 — 500.00	50.00	30.00	73.00	24.00

On orders over \$500.00 credit service charge and payments will be in proportion to amounts shown on schedule.

To speed shipment, please follow these instructions.

1. Complete other side of this sheet.
2. Insert amount of down payment in Payment Agreement below. (At least 10% of total order.)
3. Use payment schedule on the left to find your monthly payment. Insert monthly payment in agreement below.
4. Sign Payment Agreement and fill in Credit Application.
5. Send order with down payment and parcel post charges to Conar, 3939 Wisconsin Ave., Washington, D.C. 20016.

**IMPORTANT:** When you have made three monthly payments, you can "add-on" purchases with no down payment.

On orders over \$500, credit service charge and payments will be in proportion to amounts shown on schedule.

If you are under 21, please have the payment agreement and credit application filled out by a person over 21. He can make the purchase for you and will be responsible for payment.

If you have a Conar account open or recently paid in full, just sign the Payment Agreement.

## PAYMENT AGREEMENT

Enclosed is a down payment of \$\_\_\_\_\_ on the merchandise I have listed on the reverse side. Beginning 30 days from the date of shipment, I will pay you \$\_\_\_\_\_ each month until the total Select-A-Plan balance is paid. Title to and right of possession of the merchandise shall remain in you until all payments have been made. If I do not make the payments as agreed, you may declare the entire balance immediately due and payable. In satisfaction of the balance due, you may at your option, take back the merchandise, which I agree to return at your request. I agree that the above conditions shall apply to any add-on purchases to my Select-A-Plan account. The statements below are true and are made for the purpose of receiving credit.

Date \_\_\_\_\_ Signature \_\_\_\_\_

## PLEASE PRINT

## CREDIT APPLICATION

Full Name \_\_\_\_\_ Age \_\_\_\_\_  
Home Address \_\_\_\_\_ Phone \_\_\_\_\_  
City & State \_\_\_\_\_ How long at this address? \_\_\_\_\_  
Previous Address \_\_\_\_\_ City & State \_\_\_\_\_ How long? \_\_\_\_\_  
Your Present Employer \_\_\_\_\_ How long? \_\_\_\_\_  
Employer's Address \_\_\_\_\_ Your Position \_\_\_\_\_  
Monthly Income \_\_\_\_\_ If self-employed, what business? \_\_\_\_\_  
If Serviceman, Military Address \_\_\_\_\_ Serial No. \_\_\_\_\_ Rank \_\_\_\_\_  
Married ☐ Single ☐ No. of Dependents \_\_\_\_\_ Wife's name \_\_\_\_\_  
Wife's Employer \_\_\_\_\_ Her Monthly Income \_\_\_\_\_  
Business Address \_\_\_\_\_ Her position \_\_\_\_\_ How long? \_\_\_\_\_  
Bank Account with \_\_\_\_\_ Savings ☐ Checking ☐

## CREDIT REFERENCES (Two companies or finance companies with whom you have accounts.)

Account with \_\_\_\_\_ Address \_\_\_\_\_ Highest Credit \_\_\_\_\_  
Account with \_\_\_\_\_ Address \_\_\_\_\_ Highest Credit \_\_\_\_\_

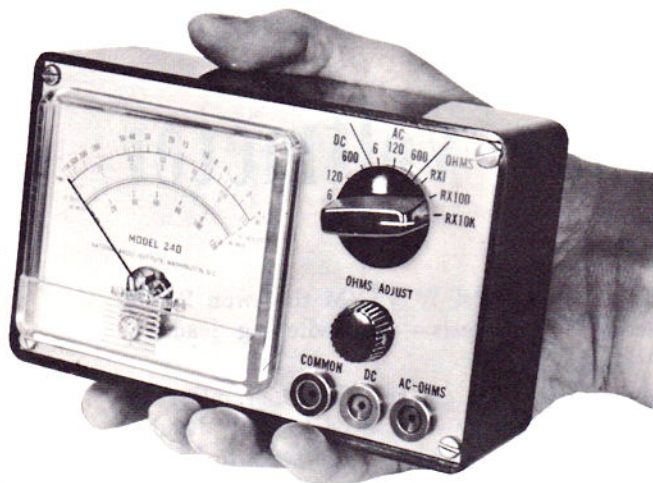


PAGES 31 AND 32  
WERE AN ORDER  
PAGE

WHICH WAS  
APPARENTLY  
UTILIZED



# CONAR portable volt-ohmmeter kit



Compact, precision, yet rugged 3-in-one instrument. Easily fits in coat pocket or tool box.

Completely portable, uses two 1.5V batteries on ohms ranges with hundreds of hours life. A stock battery size available anywhere. Has jeweled D'Arsonval meter, 1% resistors.

Easily assembled in less than one hour. Low price includes 48" test leads and two 1.5V mercury batteries.

## SPECIFICATIONS

**DC SENSITIVITY:** 20,000 ohms per volt

meg (will estimate  $\frac{1}{2}$  ohm at low end, 20 meg at high end)

**AC SENSITIVITY:** 5,000 ohms per volt

**DIMENSIONS:** 3 $\frac{3}{4}$ " x 6 $\frac{1}{4}$ " x 3"

**DC RANGES:** 0-6-120-600 (30,000 volts with optional TV probe)

**CASE:** Black bakelite

**AC RANGES:** 0-6-120-600

**PANEL:** Satin-finish aluminum, etched lettering

**OHMMETER RANGES:** 0-1,000 ohms, 0-100,000 ohms, 0-10

**ACTUAL WEIGHT:** 2 lbs.

**SHIPPING WEIGHT:** 3 lbs., shipped parcel post ins.

Assembled Stock #240WT—\$19.95

**\$17.95** Kit Stock #240UK

Optional TV probe—extends DC voltage measurements to 30,000V. \$5.50 Stock #240PB.

# CONAR transistor power supply (factory assembled)



The Conar 510 is a high quality power supply designed for use in servicing transistorized electronic equipment. It is ideally suited for work on transistor radios, hearing aids, preamplifiers, and other devices requiring a source of well filtered, low voltage, D.C.

The attractive 2 $\frac{1}{4}$ " clear plastic meter measures output voltage and current in three ranges.

Control and filtering is provided by a unique transistorized shunt capacitive multiplier. This circuit provides 100% burnout protection; the 510 can be shorted with no resulting damage.

A pull-on, push-off, switch is provided on the voltage control to allow the user to turn off the unit without disturbing the output setting.

## SPECIFICATIONS

**OUTPUT:** 0-24 volts; 0-100 milliamperes

**METER:** 0-24 volts; 0-10 milliamperes; 0-100 milliamperes

**INPUT:** 110 v, 60 cy. AC only; 5 watts

**SIZE:** 3 $\frac{3}{4}$ " x 6 $\frac{1}{4}$ " x 3"

**WEIGHT:** 2 lbs., shipped parcel post

**\$18.50** Stock #510WT

# 6v-12v battery eliminator

Best selling battery eliminator on the market today. Specially designed for operating auto radios—either 6 or 12 volts—transistor or vibrator type.

The ATR Model 610 delivers 6 volts at 10 amps or 12 volts at 6 amps. Has separate meters for volts-amps, eight position voltage control, 6-12 volt switch with safety lock and toggle on-off switch. Full-wave dry disc rectifier gives noiseless, interference free operation.

Housed in steel cabinet, gray hammertone finish. Rubber feet protect bench. Size: 6 $\frac{1}{2}$ " x 9 $\frac{1}{8}$ " x 8 $\frac{1}{2}$ ". 110-120 volts, 50-60 cycle AC.

**\$55.00** Stock #610WT, 22 lbs. express collect

FULLY ASSEMBLED—READY TO USE





# CONAR

## vacuum tube voltmeter

### KIT OR ASSEMBLED

New, completely restyled version of the famous Model W VTVM that won 25,000 satisfied customers. Uses only two leads for all tests — no switching leads or changing jacks.

Huge, full-view 6" meter gives accurate readings at a glance. Two-color meter has unique flat arc scale giving you far greater readability — no need to "tilt" head to interpret numbers. Features slimline styling — just  $3\frac{3}{4}$ " deep from front to back. Heart of the Model 211 is its sensitive bridge-type circuit with 12.2 megohm resistance. Shunting capacity is just 52 mmfd. which permits AC measurements over a wide range of frequencies and well into the RF region.

Calibration is simple — stable. Meter needle *stays where you put it* — no need for constant recalibration when switching from one range to another. Measures AC, DC, ohms, and AC volts peak-to-peak on 24 separate ranges. Meter protected against accidental overloads. Damping factor prevents damage due to transportation or overloads. 1% precision resistors for accuracy and dependability.

### SPECIFICATIONS

**DC VOLTS RANGES:** 0-3, 12, 30, 120, 300, 1200 volts

**OHMS RANGES:** RX1, 10, 1K, 10K, 100K, 1M

**RMS AC RANGES:** 0-3, 12, 30, 120, 300, 1200 volts

**PEAK-TO-PEAK AC RANGES:** 0-3, 12, 30, 120, 300, 3200 volts

**METER:** 6", 1 ma. jeweled D'Arsonval type

**POWER SUPPLY:** Transformer-rectifier

**INPUT RESISTANCE:** 12.2 megohm

**TUBES:** 6X4, 12BH7

**BATTERY:** 1.5 volt size "D" flash-light cell (included)

**ACCURACY:**  $\pm 3\%$  AC and DC at full scale

**FREQUENCY RESPONSE:** down  $\frac{1}{2}$  db at 50 cps, 1 db at 20 cps, flat to 6 mc

**CABINET:** Steel with baked-on rich blue finish, chrome handle

**PANEL:** Aluminum with glare proof satin finish, red lettering

**DIMENSIONS:**  $6\frac{1}{2}$ " wide,  $7\frac{3}{4}$ " high,  $3\frac{3}{4}$ " deep

**POWER REQUIREMENTS:** 110-120 volts, 60 cycle AC

**ACTUAL WEIGHT:** 5 lbs.

**SHIPPING WEIGHT:** 6 lbs., shipped parcel post insured

# \$29.95

Kit Stock #211UK  
Assembled Stock #211WT—\$42.95

Low as \$3.00 down, \$5.00 monthly

CONAR guarantees your complete satisfaction  
OR YOUR MONEY BACK. See  
our guarantee on rear cover.



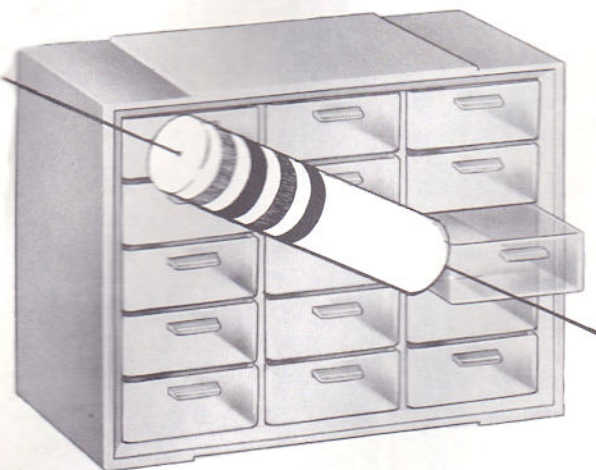


**OPTIONAL HIGH VOLTAGE TV PROBE**—extends DC range to 30,000 volts. Safe—easy to use.  
**Stock #13PB. Weight 1 lb. Price — \$5.50**



# CONAR replacement parts kits

CAREFULLY SELECTED ASSORTMENTS TO SAVE YOU DOLLARS AND TRIPS TO THE WHOLESALERS

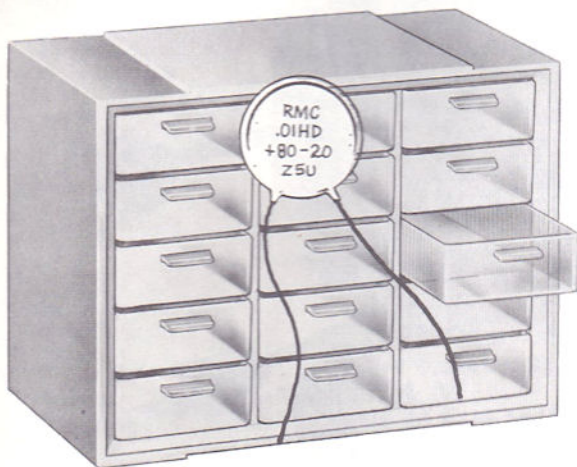


## 172-resistor assortment

Fresh, first quality, resistors for hobbyist, technician, engineer, experimenters packed in 15-drawer, styrene knick-knack cabinet. All are 10%,  $\frac{1}{2}$  watt rated or better. 8 each (100 ohm, 1000 ohm, 4700 ohm, 10K ohm, 27K ohm, 47K ohm, 100K ohm, 220K ohm, 470K ohm, 1.0 meg, 3.3 meg, 2.2 meg, 10 meg); 4 each (47 ohm, 150 ohm, 220 ohm, 270 ohm, 470 ohm, 2200 ohm, 2700 ohm, 3300 ohm, 15K ohm, 18K ohm, 22K ohm, 33K ohm, 39K ohm, 68K ohm, 150K ohm, 220K ohm, 4.7 meg).

**\$15.70**

Stock #28UK, 4 lb. 2 oz. parcel post insured (\$38.35 value)



## 120-capacitor assortment

Top grade, capacitors—ceramics, disc and paper—all rated at 400V or 600V. Ceramic tubular—(5) 5 mmf, (10) 10 mmf, (5) 25 mmf, (5) 47 mmf, (5) 100 mmf, (5) 270 mmf, (5) 390 mmf, (5) 500 mmf. Disc type—(5) .001 mfd, (5) 3900 mmf, (15) .005 mfd, (15) .01 mfd. Paper type—(5) .01 mfd, (10) .05 mfd, (5) .1 mfd, (10) .25 mfd, (5) .5 mfd. Shipped in sturdy 15-drawer knick-knack cabinet.

**\$20.70**

Stock #29UK, 5 lb. 10 oz. parcel post insured (\$41.15 value)



## radio-tv parts assortment

Most needed replacement parts carefully selected by experienced technicians. You get 6 volume controls, 4 switches, 8 control shafts, 2 selenium rectifiers, 100 resistor assortment, 25 capacitor assortment, 8 electrolytics, 10 pilot lamps, 2 univ. oscillator coils, 2 456kc i.f.s., 2 line cords, univ. AC-DC output trans., bakelite cement, speaker cement, service solvent, loopstick antenna, 12BA6 tube, 12BE6, (3) 35W4, (1) 12AT6, (1) 50C5. All parts shipped in heavy-duty steel tool box.

**\$29.95**

Stock #24UK, 12 lbs. parcel post insured (\$60.00 value)

USE CONAR'S EASY PAYMENT PLAN TO MEET YOUR NEEDS



# CONAR recommended performance-proved soldering tools



## weller expert soldering gun kit

Features the Weller 100/140 watt Dual Heat soldering gun, a high impact plastic utility case, and these accessories: 3 soldering tips, tip changing wrench, flux brush, soldering aid and all-purpose solder. "Triggermatic" control instantly selects high or low heat. Spotlight gives plenty of illumination.

**\$6.48**

**Complete Kit**

**Stock #8200AC, 4 lbs. parcel post**

**\$4.48 Gun only. Stock #820TO, 3 lbs. 8 oz. parcel post**



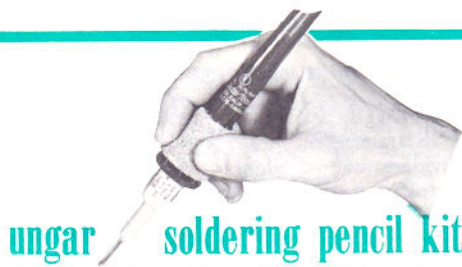
## weller 240/325 watt soldering gun kit

A heavy-duty soldering gun with exclusive dual heat feature, twin spotlights, "Triggermatic" heat control. Gives you everything you need for hundreds of jobs. Kit includes solder, cutting tip, smoothing tip, tip interchange wrench—all in a handsome plastic case. Model D-550.

**\$9.44**

**Complete Kit**

**Stock #550AC, 5 lbs. parcel post**



## ungar soldering pencil kits

Low heat, light with small tips. Perfect for circuit board and transistor work. Choice of 2 kits. Senior Kit includes handle, cord, 47½, 37½ and 23½ watt elements, ten ⅛" tips. Lists for \$9.25. Junior Kit has one 37½ watt element. Otherwise same as Sr. Kit. List price \$5.00. Conar's prices:

**\$7.40 Sr. Kit Stock #S776TO, 1 lb. parcel post**

**\$3.98 Jr. Kit Stock #J776TO, 1 lb. parcel post**



## weller 145/210 watt soldering gun

High-heat rated heavy-duty Weller D-440 soldering gun features exclusive dual heat. Also has "Triggermatic" control and twin spotlights. Ideal for repairing jewelry, house wiring, etc.

**\$7.22**

**Stock #440TO, 3 lbs. 8 oz. parcel post**



## weller "pencil" soldering iron

A complete lightweight soldering iron ready to use with ⅛" tip and cord set. Perfect for miniature type soldering, kit building and the production line. Features interchangeable tips and readily replaceable parts, including heat element and cord.

**\$3.77**

**Stock #25TO, 1 lb. parcel post**



## american beauty soldering iron

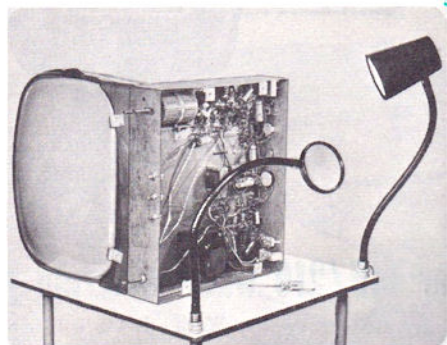
Dependable, quality iron with stainless steel casing, nickel-chrome element, cool wood handle. Nickel-plated, copper tip resists corrosion, easily replaceable. 30-watt element perfect for kit assembly, radio-TV wiring. Years of reliable service—even with constant use. Shipped with ¼" and ⅛" tips, insulated stand. Conar saves you \$2.13 off list price.

**\$5.47**

**Stock #3120TO, 1 lb. parcel post**



# CONAR



## moffatt magnifier and lamp

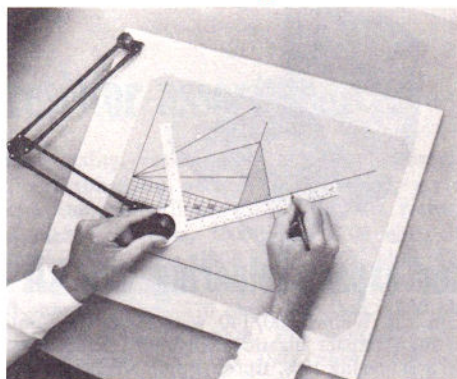
Troubleshoot printed circuits, transistor sets without eyestrain. Mount them *anywhere!* Lamp has cool, burn-proof shade. Recessed bulb won't shine in eyes. Base rotates 360°. Magnifier has 2-power, ground lens (4" diam.) recessed for protection.

Both have rugged, heavy-duty, flexible 24" arms that won't vibrate out of position. One year warranty on *all* parts. One mounting button with each Lamp and Magnifier (both use same button). Extra buttons 20 cents each. Stock MLBGTO.

**\$9.46 each**

Magnifier Stock #MV24TO, 2 lb. 14 oz. parcel post  
Lamp Stock #0624PTO, 3 lbs. 12 oz. parcel post  
(Order Lamp and Magnifier together for \$18.50)

## lab-tested products

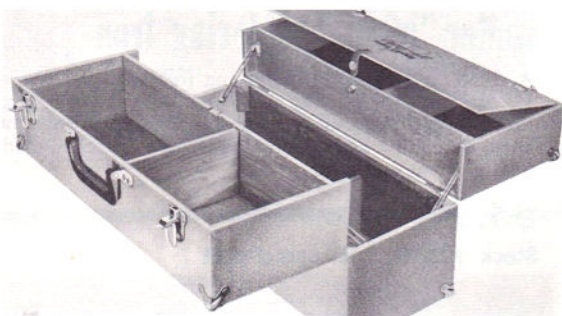


## portable drafting machine

Combines the features of a T-square, triangle and protractor into one self-contained unit that allows you to draw lines at any angle. Attaches to any board or pad of paper (less than 1/4" thick) by means of an adjustable clamping device that leaves no marks.

Completely assembled, factory tested, mounted on a 16" x 21" lightweight drafting board, ready for use with interchangeable one-piece aluminum 6" x 9" scale. 360° protractor, reading every 5 degrees. Scale calibrated in 16ths with 1/4" and 1/8" carton.

**\$16.50** Stock #9TO, 4 lbs. parcel post insured



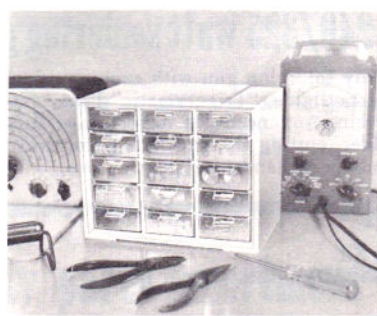
## argos tube caddies

Two sizes to choose from. Junior Caddy (15 1/4" x 12 1/2" x 8") holds 143 tubes. Carry-All (21" x 15" x 8") holds 262 tubes. Both have space left for tools, etc.

Center opening puts all compartments in easy reach. Sturdy 5/8" and 1/4" plywood, attractively covered with tough pyroxilin fabric. Durable stay hinges and fasteners support top sections securely open or closed.

**\$9.95** Jr. Caddy Stock #2CY, 7 lbs. 4 oz. parcel post

**\$13.95** Carry-All Caddy Stock #4CY, 12 lbs. parcel post



## knickknack cabinet

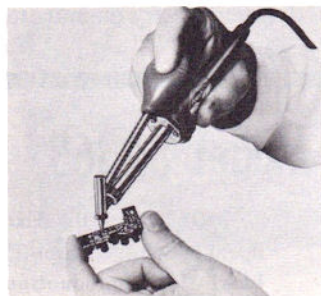
Store and find small parts *fast!* Breakproof styrene cabinet has 15 transparent drawers with safety stops, removable dividers, bottom runners, index tabs. Order several for extra storage room. Cabinets can be stacked with interlocking effect. Each drawer 5 3/4" long, 2 5/8" wide, 1 1/8" high.

**\$2.99** Stock #15CY, 4 lbs. parcel post



# CONAR recommended new products

## Endeco Desoldering/Resoldering Tool



Endeco . . . the first successful desoldering/resoldering iron . . . not only removes soldered components, but also resolders printed circuit boards faster and better than regular soldering irons. It requires only one hand to operate, leaving the other hand free. Its hollow tip fits over the connection; vacuums all solder for easy removal of the component; leaves terminals and mounting holes clean. Then, it resolders with 360° tip coverage and capillary action of the solder around the component lead for a perfect connection. Pays for itself quickly in time saved. Shipping weight 1 lb.

Stock #1300TO  
Parcel Post

Price **\$9.95**

## Vest Pocket Multimeter

**TREMENDOUS BUY AT \$6.99!**

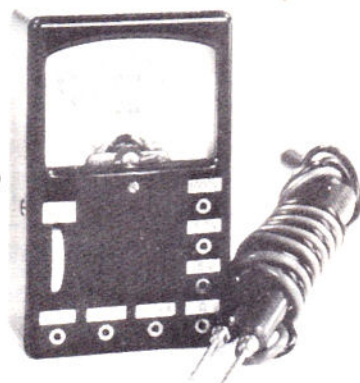
### RANGES:

AC volts: 0-15-150-1000

DC volts: 0-15-150-1000

DC current: 0-150 MA

Ohms: 0-100  
(3 ohms center)



Here is a compact, handy, versatile little meter. It is the ideal pocket multimeter. 1,000 ohms per volt accuracy combined with a clear readable scale makes this unit perfect for field use. Extra tension jacks, heavy bakelite case, precision meter movement, and hand calibration are some of its outstanding features. Dimensions: 3½" high x 2⅛" wide x 1" deep. Packed with penlite battery, test leads and instruction manual.

Stock #102WT  
Shipping Weight: 1 lb.  
Parcel Post

Price **\$6.99**

## BLIXT

— the one-hand operated  
automatic soldering gun



A technical hit! For both hobby and professional use. With the one-hand operated BLIXT—soldering can be done quickly and accurately in long series without breaks and risk of cold solder joints.

Solder is fed automatically and simply by squeezing the trigger of the comfort shaped handle. Tips can be changed easily according to the character of the work.

Made of impact-resistant nylon-plastic and mirror-finished metal, the BLIXT will give long service.

Stock #1141AC. Shipping Weight 2½ lbs. — Parcel Post Insured

CONAR Price— **\$11.95**



# CONAR recommended extended range speakers

*Lowell* speakers—*Made in America* are engineered to exacting specifications, resulting in a superior quality loudspeaker.

The speakers shown below have been designed with a wide frequency range yet with a smooth response characteristic. The average wattage rating of these speakers is about 50% greater than conventional types

because of an exclusive advanced design aluminum-paper voice coil (Patent Pending).

These are quality speakers—for quality systems. These are quality speakers—at a sensible price.

The broad frequency range built in all Lowell speakers, makes them ideal to meet the rigorous demands of commercial sound.

## Model 8F5B



MODEL 8F5B— This superior 8" speaker incorporates a high frequency cone which is mechanically coupled to the voice coil. It provides extended high frequency response to beyond the capability of most listeners. Cone has been treated to provide essentially flat response. Large ceramic magnet-greater handling capacity. Speaker is only 2 $\frac{5}{8}$ " deep.

Stock #85SK  
Shipping Weight: 2 lbs.  
Parcel Post

**\$4.40 each**

### SPECIFICATIONS

MODEL NO.	FREQUENCY RANGE	POWER HANDLING CAPACITY	MAGNET WEIGHT
8F5B	C.P.S. 30-20,000	15 Watts Program Material	5. oz. Ceramic

## Model 8A36B



MODEL 8A36B— Excellent 8" speaker with Alnico V magnet. Ideal for reproduction of both music and voice. Wide frequency range and greater power handling capacity. This speaker has "peak free" reproduction essential in high quality systems.

This speaker is one of the many in the quality Lowell speaker line.

Stock #836SK  
Shipping Weight: 2 lbs.  
Parcel Post

**\$4.25 each**

### SPECIFICATIONS

MODEL NO.	FREQUENCY RANGE	POWER HANDLING CAPACITY	MAGNET WEIGHT
8A36B	C.P.S. 30-15,000	15 Watts Program Material	3.16 oz. Alnico V

## Model 12F10



MODEL 12F10— Quality 12" speaker which not only has a large ceramic magnet, but also incorporates a high frequency cone, mechanically coupled to the voice coil. This speaker has unusually smooth response characteristic and is ideal for any high quality system.

Stock #10SK  
Shipping Weight: 2 lbs.  
Parcel Post

**\$8.00 each**

### SPECIFICATIONS

MODEL NO.	FREQUENCY RANGE	POWER HANDLING CAPACITY	MAGNET WEIGHT
12F10	C.P.S. 50-20,000	25 Watts Program Material	10. oz. Ceramic

## Model 8F10B



MODEL 8F10B— The ultimate of 8" extended range speakers. The wide frequency range and smooth response characteristics that are essential in a quality system are engineered into this speaker. Speaker has large ceramic magnet yet is only 2 $\frac{15}{16}$ " deep. See specifications.

Stock #810SK  
Shipping Weight: 2 lbs.  
Parcel Post

**\$5.65 each**

### SPECIFICATIONS

MODEL NO.	FREQUENCY RANGE	POWER HANDLING CAPACITY	MAGNET WEIGHT
8F10B	C.P.S. 30-15,000	25 Watts Program Material	10. oz. Ceramic



# CONAR



## lab-tested products

### Garrard Model 50 Turntable



with Electro-Voice  
Model 0126A Diamond-  
Sapphire cartridge for  
1¢ more.

Famous Garrard quality made even better. Oversized turntable, new counter-weighted cast aluminum tone arm, finger-touch stylus pressure adjustment. New Dupont Delrin® "Frictionless" trip mechanism. Automatic intermix operation, i.e. records of different sizes may be stacked in any sequence. Four accurate speeds of 16 $\frac{2}{3}$ , 33 $\frac{1}{2}$ , 45 and 78 rpm. Safety catch locks arm in rest position. Separate automatic and manual controls, attractive styling. Size: 14 $\frac{1}{4}$ " L x 12 $\frac{1}{2}$ " D. Requires 4 $\frac{3}{8}$ " above and 2 $\frac{7}{8}$ " below motor board. Stereo wired Amplock plug for fast easy installation. Spring shock mounts protect unit from external vibrations. Complete with line cord, 2 plug-in cables and plug-in shell. Less base and 45 rpm spindle. Shipping wt. 11 lbs. Shipped express collect.

Model 50  
Stock #RP49

**\$44.50**

Model 50  
with cartridge  
Stock #RP50

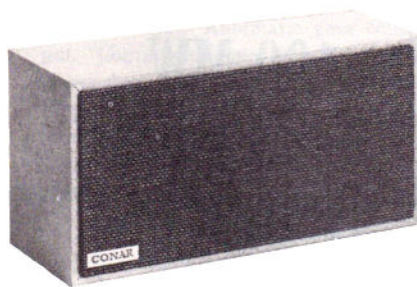
**\$44.51**

Oiled Walnut Base  
for Model 50

Stock #RP51 — 4 lbs. P.P. INS.

**\$3.95**

### CONAR "300" speaker enclosure



Low resonance, high-efficiency speaker system. Includes pre-mounted 8" extended range speaker with flex-edge cone for superb bass response and whizzer cone for brilliant treble. Measures 24" x 12" x 10". Sturdily built of non-resonant  $\frac{3}{4}$ " acoustic wood.

#### SPECIFICATIONS

**SPEAKERS:** 8" extended range  
(19-21,000 cps)

**GRILLE CLOTH:** Acoustical,  
gold-textured

**WEIGHT:** 22 lbs. 5 oz.

**\$19.95** each

Stock #300SK

Shipped express

### CONAR "300" stereo amplifier kit



Can be assembled in a few short hours—thanks to beautifully simple circuit design. Handsome steel cabinet has baked-on blue enamel finish, with soft neutral finish for the control panel. Plenty of reserve output to give you concert hall volume in an area 30 x 30.

#### SPECIFICATIONS

**CONTROLS:** Phono-Turner switch,  
Balance, Volume, Bass, Treble,  
On-Off switch

**TUBES:** 2-7025, 2-6BQ5

**DIMENSIONS:** 4 $\frac{1}{2}$ " x 13" x 9"

**FREQUENCY RESPONSE:** 50 cps  
to beyond audible limits

**CHANNEL SEPARATION:** 50 db or  
better

**\$31.50** Kit

Stock #300AM

**\$41.50** Wired

Stock #300WT

**WEIGHT:** 11 lbs.

Parcel Post Insured.



# CONAR recommended CB transceivers

## 3 Transistor Walkie-Talkie

with performance  
matching many higher  
priced units



A new, solid-state walkie-talkie that is definitely not a toy but priced so everyone can afford. Enjoy the space-age convenience of two-way communication equipment for only a fraction of the former cost. No license required . . . no age limit. So convenient to carry it can be taken everywhere. Reaches out up to 1/2 mile (depending upon conditions, terrain and obstacles). Shipped complete with handy carrying strap, built-in telescoping antenna, transmitting crystal and standard 9-volt battery. Packed in attractive gift box. 2 1/2" x 5" x 5 1/4".

Stock # 103RT  
Shipping Weight: 2 lbs.  
Parcel Post Insured

**\$11.25**  
each

## "Super Six" Transceiver



Here is excellence in a small package. Truly a pocket size transceiver which weighs only 10 ounces. Its solid state circuitry provides you with a sensitive superheterodyne receiver, a powerful 3-stage transmitter plus the convenience of plug in crystals. The transmitter features 100% modulation of 100 milliwatts with a high ratio of actual radiated power. Reaches out up to 1 mile. Easy to use, can be operated by anyone, no license required. Comes complete with handy carrying strap, built-in telescopic antenna, channel 14 crystals, battery and operating instructions. The striking design features a two-tone grey wrap around metal case with high impact grey plastic front. 2 1/4" x 6 1/8" x 1".

Stock # 106RT  
Shipping Weight: 2 lbs.  
Parcel Post Insured

**\$18.50**  
each

## Midland Call Signal Transceiver



- Exclusive calling signal
- Receiver stand-by switch
- Full variable squelch
- No license required

Now, for the first time, a signal call system on a low priced 100 milliwatt transceiver. Eleven selected transistors, two varistors, one germanium diode and one thermistor are combined into the finest solid-state transceiver circuit ever designed. The Midland 13-120 is compact, but powerful and you can depend on operation up to 7 miles. *An actual CW alert tone is generated by the transmitter which signals the receiving station to reply.* The originator then switches over to voice and communications begin. This tremendous time saving feature is found only in the Midland 13-120.

A full variable squelch control is provided for elimination of unwanted disturbances and quiet receiver operation. An extremely handsome, rugged, all metal case is used for maximum durability. Six inexpensive penlight batteries power this efficient transceiver, and its exclusive stand-by switch is a great battery saver. The 13-120 is supplied complete with leather carrying case, shoulder strap, leather earphone case, private listening earphone and Channel 7 (27.035 MC) crystals installed.

Stock # 120 RT  
Shipping Weight: 2 lbs.  
Parcel Post Insured

**\$42.50**  
each



## 100 MW 10-Transistor Transceiver

range up to 5 miles

Miniature 100 milliwatt transceiver with plenty of talk-power and super-sensitivity designed into a rugged precision engineered solid state chassis. Handsome black polystyrene cabinet with beautifully styled die cast chrome grille. Truly pocket sized—no sacrifice in quality. Full variable squelch cuts out electrical noise, automotive interference and unwanted disturbances for quiet receiver operation. Dual purpose meter on front panel serves as signal strength meter as well as constant battery level monitor. Powerful 100 milliwatt transmitter reaches up to 5 miles depending on atmospheric conditions and terrain. Accessory jacks provided for private listening earphone. Operates on inexpensive 9 volt battery, self contained. Supplied complete with factory installed CH-9 crystals (27.065 MC), 9 volt battery and carrying strap. Top grain leather case. No license required. 2 1/2" x 6 1/8" x 1 5/8".

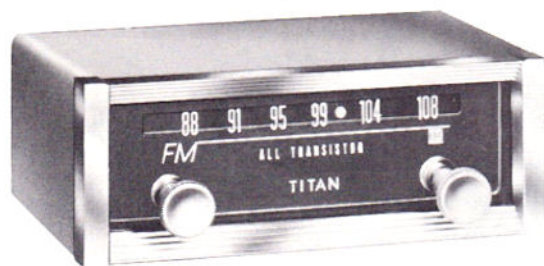
Stock # 114RT  
Shipping Weight: 2 lbs.  
Parcel Post Insured

**\$34.50**  
each



## Titan all transistor FM AUTO RADIO TUNER

the finest in Hi-Fi FM reception



Stock #104EN  
Shipping Weight: 5 lbs.  
Parcel Post Insured

**\$41.97**

Hi-Fi FM reception is now available for most makes of cars . . . smart and compact in design, this FM converter operates with present auto radio and antenna. Mounts easily under dash . . . and just plug into present radio antenna jack for the finest in FM listening.

### SPECIFICATIONS

8 Transistors and 5 Diodes for extreme sensitivity to operate in most signal areas . . . 3 Gang Tuner for unchallenged selectivity . . . Full Automatic Gain Control to eliminate overload in exceptionally strong signal areas . . . Advanced designed Automatic Frequency Control that prevents frequency drift with full range of automobile battery voltage variations . . . 10-minute, easy installation in all autos, trucks or boats with 12-volt negative ground polarity systems . . . Requires no special antenna under average reception conditions . . . Output jack for multiplex reception . . . 13 tuned circuits for unsurpassed performance . . . covers stand 88 to 108 Megacycle FM Band . . . overall size 6 $\frac{1}{2}$ " x 4 $\frac{3}{4}$ ".

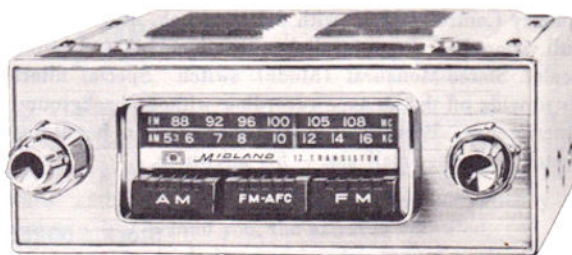
Beautiful push-button styling with 11 transistors to provide crystal clear reception . . .

The pleasure and relaxation of FM listening, plus the added convenience of an AM radio . . . all in one unit. 17 semi-conductors provide high sensitivity for super-distant reception. Can be easily installed under dash or in dash by using standard trimplate. The 65-210 AM-FM radio is a quality radio throughout.

### Check these quality features:

All transistor . . . 11 transistors plus 6 diodes plus 1 thermistor. Fits all cars . . . uses standard trimplate. Static-free FM with automatic frequency control. Finger-tip push-button controls and manual tuning. Illuminated slide rule dial. Automatic gain control. Push-pull output. Continuous tone control. External speaker jack. Heavy-duty built-in speaker. Automatic volume control. Vernier tuning. Beautiful metal case with die-cast front. Compact size. Adjustable antenna trimmer. 6 or 12 volts, positive or negative ground.

## Powerful and versatile FM/AM Auto Radio

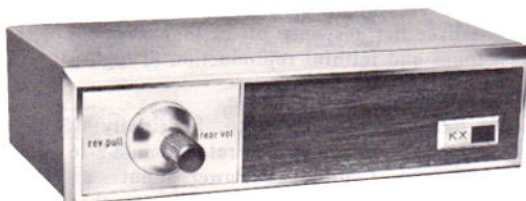


Stock #210EN  
Shipping Weight: 6 lbs.  
Parcel Post Insured

**\$65.00**

## verba-mite REVERBERATION UNIT

World's smallest . . . finest . . . lowest price



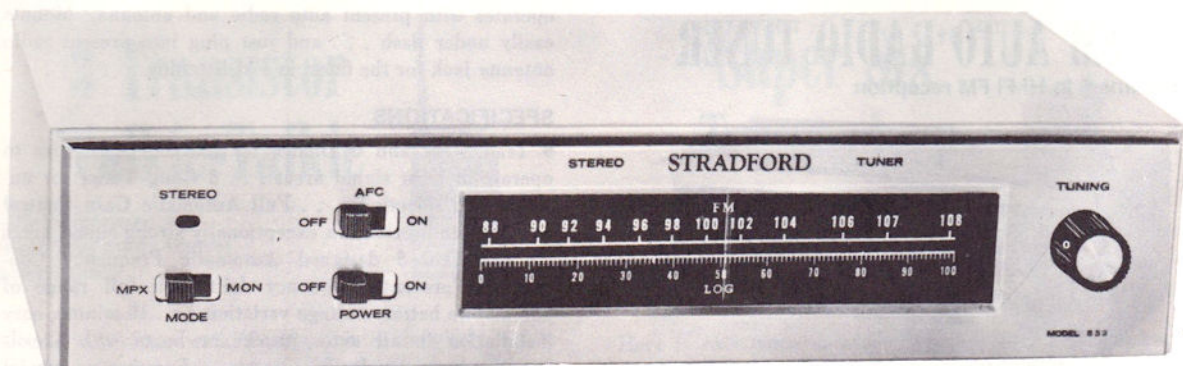
Stock #701EN  
Shipping Weight: 2 lbs.  
Parcel Post Insured

Price:  
**\$26.50**

A complete solid state reverberation unit in the world's smallest package. Transforms the flat monaural sound of car radios into the sparkling reverberation effect of live performance. Beautifully styled in walnut and satin aluminum to enhance the interiors of today's finest cars. Shipped complete with wide-range 6" x 9" speaker and grille. Amazingly easy to install. Can be permanently mounted under dash in seconds with special Kine-Mite adhesive foam tape. Leads can be attached in minutes with new wrap-around Kine-Tap splice connectors. No cutting, no splicing, no soldering. **SPECIFICATIONS:** Power Source—12 volt negative ground; Circuit—ALL SOLID STATE; Controls—Pull OUT for ON and VOLUME—push IN for OFF and Fader control with regular radio use; Mounting—KINE-MITE adhesive foam tape for NO DRILLING installation. SWIVEL BRACKET for mounting on slanted dashboards; Wiring—special fittings and KINE-TAP fittings to eliminate installation problems; Pilot light—1855 light—has 10,000 hour life; Fuse—internal fusister; Styling—CHROME bezel—WALNUT WOOD grained panel, BRUSHED ALUMINUM control plate, all-steel case; Size—6 $\frac{1}{2}$ " x 3 $\frac{1}{4}$ " x 1 $\frac{5}{8}$ ".



# CONAR tested-recommended hi-fi gear



## STRADFORD Model 532 FM Multiplex Tuner

### Every desirable feature in this 7 + 4 Tuner!

Authentic high fidelity reproduction. Positive-action stereo "beacon" light. No-drift tuning. Automatic Frequency Control (AFC) with defeat switch. Edge-lighted full vision dial. Pinpoint dial calibration. Linear logging scale. Stereo-Monaural (Mode) switch. Special filters to provide off-the-air tape recording without background interference. Beautiful gold bronze panel in handsome metal cabinet. Small size — fits anywhere.

### SPECIFICATIONS

Frequency Range: 87½ to 108½ mc. Sensitivity: 2 microvolts. Frequency Response (Monaural): 30-20,000 cycles. Hum Level (Monaural): 55 db below 100% modulation. Hum and Noise Level (Stereo Multiplex): 65 db below full output. Stereo Channel Separation: 30 db. Audio Frequency Response (Stereo Multiplex): 15-15,000 cycles  $\pm$  1 db. Band Bass Subcarrier Frequency Response: 23 kc to 53 kc  $\pm$  4 db. Antenna Inputs: 75 and 300 ohms. Tubes: 7 solid-state devices, 1-6GH8A, 1-6CB6A, 1-6HS6, 1-6DT8. Power Consumption: 117 volts AC, 60 cycles, 30 watts. Dimensions: 12½" x 7" x 2½".

Stock #532EN Shipping Weight: 9 lbs. Express Collect **\$86.50**

## Raymer FM Tuner



Model 481 is a High Fidelity ultra sensitive FM tuner complete with AFC. Special design guarantees no drifting. Illuminated full vision dial. AFC defeat switch. Extra jack for Multiplex adaptation.

### SPECIFICATIONS

Frequency Range: 88 to 108 mc. Sensitivity: 2 microvolts. Frequency Response: 20-20,000 cycles  $\pm$  1 db. Hum Level: 55 db below 100% modulation. Tubes: 2-6DT8, 1-6BC6, 1-6HS6, 1-6AL5, plus silicon rectifier. Power Consumption: 21 watts, 117 volts AC, 60 cycles. Size: 9½" x 7" x 2½½".

Stock #481EN  
Shipping Weight: 6 lbs.  
Express Collect

**\$53.50**



## Telex Stereo Headset

with built-in Channel Control

Great new idea! The ST-20 provides precision channel control built right into the headset to eliminate the extra cost and encumbrance of a separate control center. Smoothly styled control knobs on each earpiece provide separate sound level control for each channel. This fingertip convenience means you always listen at the ideal sound level . . . the ideal stereo balance. Elliptical speakers deliver flat response of 16 to 15,000 cps with rich bass tones and faithful reproduction of highs.

### SPECIFICATIONS

Frequency Response: 16-15,000 cps. Sensitivity: 95 db/mw. Impedance designed to operate from 3.2-16 ohm output. Maximum Continuous Power Input: 2 watts. Distortion at Normal Listening Level: Less than 2%. Weight Less Cord: 11 oz. Cord Length: 8 ft. Color: Brown and Tan.

Stock #1020 SK  
Shipping Weight: 1 lb.  
Parcel Post Insured

**\$29.95**





## Transistorized ALERT DC12 Burglar Alarm System

This new and versatile warning system gives you maximum protection at a fraction of the cost of other existing alarm systems. ALERT DC12 is a modified form of the alarm system used by our troops in Southeast Asia. Now, for the first time, this superior type of alarm system is made available to protect you. When a burglar tries to enter your house, or any protected area, the ALERT DC12 alarm box gives immediate warning with **LOUD, PULSATING BLASTS AND FLASHING RED LIGHT** to alert you, passersby, neighbors and police. Once the alarm has sounded, only *you* can turn it off. The off-switch is located inside the locked alarm box and only you have the key. As soon as you have installed your system, you should tell police and neighbors about the alarm unit and its location.

### Ideal for home protection

ALERT DC12 will protect your *entire* house or apartment, every door and window, against the ever increasing danger of burglary and intrusion. Can be installed easily, quickly. You and your family will enjoy *peace of mind*, because you know that no one can get past

the ALERT DC12 alarm barrier without instantly setting off the alarm. Also, the special time-delay switch built into every ALERT DC12 unit permits you to set the alarm and then leave your home. Seconds after you shut the door behind you, the alarm is activated.

Uses two standard, inexpensive 6-volt lantern batteries (not included, but available anywhere). Very slight power drain. One set of batteries will last approximately one full year under normal use. If alarm is activated, horn will blast and light flash *continuously* for more than 12 hours before batteries fail.

Each system consists of an alarm box, 750 feet of hair-thin wire, twelve contact switches for doors and windows, and mounting pins.

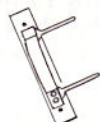
### The many other uses of ALERT DC12 include:

Stores, warehouses, boats, construction sites and materials, swimming pools, orchards, garages, gas stations, cottages, airplanes, camp sites, motel equipment, furniture and appliances, valuable paintings and jewelry.

Additional wire and contact switches are available: \$1.50 per roll of wire; \$1.50 per package of six switches.



**BREAK-WIRE  
IS HAIR THIN**  
the wire is only .003 inches in diameter and can barely be seen with the naked eye.



**CONTACT  
SWITCHES**  
contact switches are thin, rugged and reliable and will fit any door or window jamb. Can be installed in minutes.



**MOUNTING  
PINS**  
are used to carry wire along baseboards or molding. Pins are small and hardly noticeable.

### WARNING!

PREMIER ELECTRONICALLY PROTECTED

**ALERT DC12**

BURGLAR ALARM SYSTEM

A PRODUCT OF DUNBARSON, INC., CHICAGO, ILL.

### WARNING NOTICE

states that premises is protected by ALERT DC-12 Alarm System . . . discourages potential burglars.

ONLY **\$29.95**

**Stock #12AC**  
**Shipping Weight: 6 lbs.**  
**Parcel Post**





## Wireless Solid State Intercom

A two-station system which transmits through the electrical outlets in any building

The Concord wireless intercom can be set up immediately without installation or licenses of any kind. Just plug a pair into the wall, and you can communicate anywhere on that power line. In some cases, this means that you can even talk between different buildings. The versatility of two channels permits two people to use the same secretary or four parties to communicate on the same line without interference. Can remain turned on continuously without fear of damage. It draws only four watts, less than  $\frac{1}{6}$  as much as a tiny 25-watt bulb! There is absolutely no background noise no matter how high the volume is kept. Special quieting circuit eliminates noise and hum.

### Features:

- No wiring necessary, plugs right into wall outlet
- Two separate channels
- Lock-to-talk button for "no hands" operation
- Push-to-talk button

- Picks up your voice several feet away, no need to be right next to intercom
- Mounts on wall

### SPECIFICATIONS

Size:  $5\frac{3}{4}$ " W x  $2\frac{1}{4}$ " H x  $7\frac{1}{2}$ " D. Power consumption: 4 watts. Speaker: 3" PM. Electronics: 4 transistors plus 4 diodes. Carrier Frequency: Channel A, 170KC; Channel B, 200 KC. Output Power: 100 mw audio. Color: Brown-gray. Length of AC Cord: 6 feet. Controls: Power switch, volume control, push-to-talk button, lock-to-talk button, 2-channel selector switch. Other: All units must be on same winding of power-distribution transformers.

Stock #202EN

Shipping Weight: 4 lbs.

Parcel Post Insured

**\$29.95**

## CONAR recommended Hallicrafters Model CB-7 Transceiver



**free** "Phantom" Fiberglass 48"  
Antenna (includes mount)

A \$109.90 value for . . .

**\$99.95** Stock #CB17, shipped express collect  
\$10 down, \$5 monthly

A 6 channel fixed or mobile class "D" CB transceiver with NEW all-electronic push-to-talk circuitry. Uses the same "drop-down" chassis feature as the CB-3 series and accommodates all the CB-3 series accessories; the HA-9 "S" Meter, HA-11 Noise Eliminator, the HA-12 Encoder/Decoder and the HA-13 Receiver Tuning Device. Ready to operate either base AC or mobile 12 VDC, including all necessary power cords and mounting bracket.

### SPECIFICATIONS








7 tubes and 4 silicon diodes.  
5 watts power input. Full  
100% modulation capability.  
Receiver sensitivity  
—1 micro-volt for 10 db  
S & N/N. Dimensions . . .  
LWH—12" x 7" x 5".  
Shipping weight—15 lbs.  
7 oz.

TUBES: 6CX8 Transmitter  
oscillator / amplifier,  
12AU6 RF amplifier, 12BE6  
converter, 12BA6 1st  
amplifier, 6BL8 2nd IF  
amplifier/1st audio, 6BN8  
squelch and 6GW8 driver/  
audio output.










# Genuine Diamond Phonograph Needles

## MONAURAL

TRANSCRIBER NEEDLE NUMBER	FOR CARTRIDGES	TRANSCRIBER NEEDLE NUMBER	FOR CARTRIDGES
P-2 	GENERAL ELECTRIC RPX Series (Individual Clip-In)	P-4 	SONOTONE 2T; 5T; and 7T
P-2A 	GENERAL ELECTRIC VR11; 4G-052-053-061- 063; 040-041 and 050 (Individual Clip-In)	P-5 	SONOTONE 3T Series
P-3 	RONETTE DT-60; RA-284 and 395; TO-200-222-284 and 400 MT-67-2 Series	P-6 	SHURE M1-44 Series; PC-2-3- 4-6-7; W-9; WC-6 and 10 Series  ADMIRAL 409A301; 409B20; and 409B21  MAGNAVOX 560177; 560188; 560188-1; 560192; and 560207-1
P-3A 	RONETTE TC-500		

## STEREO

TRANSCRIBER NEEDLE NUMBER	FOR CARTRIDGES	TRANSCRIBER NEEDLE NUMBER	FOR CARTRIDGES
PS-2 	RONETTE BF-40-4; DC-500; T-1	PS-38 	GENERAL ELECTRIC C-100
PS-54 	SONOTONE 9T; 16T; 18T	PS-10 	SONOTONE 8TA
PS-5 	ELECTRO-VOICE 21 and 26 Series	PS-11 	VACO ST-20; ST-40; ST-100; ST-200 and TO-45
PS-8 	BSR BSR-TC-85; TC-8R TC-8G		

Any diamond needle on this page \$1.65

(Please order by Transcriber number and add 15c postage)

## CONAR recommended Blonder-Tongue UHF CONVERTERS



Stock #44AD \$13.20

Blonder-Tongue's Model BT-D-44 has tunnel diode circuit which insures maximum reliability, easy, positive tuning. Highly selective tuned RF stage minimizes multiple tuning problems. Every channel from 14 to 83 comes in sharp and clear. Operates on ordinary flashlight battery. Easy to mount, install. Will convert any UHF channel to channel 5 or channel 6, whichever is unused in your area.

### SPECIFICATIONS

**INPUT CHANNELS:** 14 through 83 continuously. **OUTPUT CHANNELS:** 5 or 6. **INPUT:** for 300 ohm balanced antenna. **OUTPUT:** to TV set (300 ohm balanced). **POWER:** 1.5 Volt "D" battery. **SIZE:** 6 $\frac{3}{8}$ " w x 3" x 3 $\frac{3}{4}$ " d. **SHIPPING WEIGHT:** 1 $\frac{3}{4}$  lbs. p.p. ins.

For WEAK SIGNAL AREAS. Most powerful and stable UHF converter ever engineered for the home. Drift and distortion-free performance. Pinpoints channels for best reception. Meets critical needs of good Color TV reception. Top flight performance on UHF channels 14-83, no signal inversion or distortion at high end of spectrum. Unparalleled reliability. Patented tuner, both rugged and reliable. Easy to install.

**SPECIFICATIONS:** Input Channels: 14-83. Output Channels: 5 or 6. Connectors: 300 ohm stripless terminals. Power: 117 V AC, 60 cycles; 0.1 amps. Size: HWD 3 $\frac{3}{4}$ " x 6" x 3 $\frac{13}{16}$ ". Color: Beige. Shipping Weight: 1 $\frac{3}{4}$  lbs. p.p. ins.

Stock #11AD \$31.20





# GERNSBACK LIBRARY

The Complete Electronics Bookshelf



## BOOKS ON SERVICING



**Horizontal Sweep Servicing Handbook** by Jack Darr. Gives you fast, simple methods of locating and repairing troubles in the horizontal sweep system.

G/L 115 ..... 4.10

**Radio Servicing Made Easy** (2 vols.) by Leonard C. Lane. Filled with the newest data on servicing, AM, FM, Citizens Band, marine, transistor, communications and auto receivers.

G/L 107 (2 vols.) ..... 7.20

**Practical TV Troubleshooting** by Martin Clifford. Experts let you in on their secrets for handling intermittents, eliminating ghosts, troubleshooting the horizontal oscillator and other common troubles.

G/L 102 ..... 2.35

**TV Trouble Analysis** by Harry Mileaf. Fix TV troubles in any set fast, by knowing what symptoms look like and what causes them.

G/L 101 ..... 3.20

**Printed Circuits** by Morris Moses. Build-it-yourself circuits for miniature amplifiers, receivers, and many more transistor devices.

G/L 81 ..... 2.90

**Servicing Color TV** by Robert G. Middleton. Tells how to service color TV sets profitably. Numerous charts help you spot troubles quickly.

G/L 65 ..... 2.90

**Servicing Record Changers** by Harry Mileaf. Makes servicing changers easy. Complete text plus line drawings explain intricate mechanisms clearly.

G/L 59 ..... 2.90

## BOOKS FOR HOBBIES

**How to Build Tiny Electronic Circuits** by Morris Moses. Explains "miniaturized" electronics for the hobbyist, experimenter and service technician.

G/L 117 ..... 4.15

**Fun with Radio-Controlled Models** by Edward L. Safford, Jr. Learn by building. Simple projects for the beginner. Covers steering, motor and engine control.

G/L 106 ..... 3.20

**Radio-Control Handbook** (revised edition) by H. G. McEntee. The standard in the field. New ideas for remote control of model boats, planes and cars by radio.

G/L 93 ..... 4.95

**Fun with Electricity** by Thomas Kennedy Jr. A great book to start a youngster on a hobby (or career) in electronics. Helpful to beginners of any age.

G/L 83 ..... 2.65

**Model Radio-Control** by Edward L. Safford, Jr. New and enlarged. Explains R/C theory, gives construction details for remote controlled planes, autos, boats.

G/L 74 ..... 2.65

**Electronic Puzzles and Games** by Matthew Mandl. How to build electronic games with simple tools. Gives step-by-step instructions.

G/L 70 ..... 1.95

**Electronic Hobbyists' Handbook** by Rufus P. Turner. Scores of tested and debugged circuits for building garage door openers, amplifiers, oscillators, power supplies, control and photo devices, etc.

G/L 69 ..... 2.50

## BOOKS ON HIGH FIDELITY

**Designing and Building Hi-Fi Furniture** by Jeff Markell. How to have a hi-fi system that looks as good as it sounds. Covers types of woods, tools, furniture finishing and design.

G/L 79 ..... 2.90

**Elements of Tape Recorder Circuits** by Herman Burstein and Henry C. Pollak. Answers questions on frequency response, hum, what to look for when you buy.

G/L 67 ..... 2.90

## THEORY AND FUNDAMENTALS

**Elements of Electron Physics** by Norman H. Crowhurst. Explains in simple understandable language the how and why of electronics.

G/L 113 ..... 3.95

**Learn Electronics by Building** by John Schroeder. Learn electronics by building the units yourself. Start with basic theory, finish by constructing amplifiers and receivers.

G/L 112 ..... 3.85

Please allow 3 weeks delivery for Gernsback books.

Announcing a New Gernsback Book containing the  
**MOST USED, MOST NEEDED**  
formulas and data in electronics



## electronics data handbook

By MARTIN CLIFFORD

160 PAGES \$2.95  
G/L No. 118

■ For technicians, engineers, students, hobbyists, hams, experimenters ■ Arranged in logical orderly fashion for quick easy reference ■ A basic book for your library

If you had only one book in your professional library, this would have to be it. This single volume answers such everyday questions as these: What formula do I need for this problem? Is there an easier formula? Where can I find the data I need? What substitutions can I make in formulas? What sequence of formulas must I use if I need to work with several of them? This one book gives you all the answers, grouped under appropriate headings. You'll wonder how you ever got along without it. Send for your copy today.

## BOOKS ON TEST INSTRUMENTS

**The Oscilloscope** (revised edition) by George Zwick. Enables technicians to become masters of the scope. Incorporates newest uses and techniques. Fully illustrated.

G/L 108 ..... 3.65

**How to Get the Most out of Your VOM** by Tom Jaski. Get more mileage out of this versatile instrument. A complete analysis including theory and practical usage—and chapters on construction.

G/L 85 ..... 2.90

**Oscilloscope Techniques** by Alfred Haas. How to use the scope in scores of new applications. Explains how to make tests and measurements.

G/L 72 ..... 2.90

**The VTVM** by Rhys Samuel. Get the most out of this electronic workhorse. Explains VTVM circuits and how and why they work.

G/L 57 ..... 2.50

## BOOKS ON TRANSISTORS

**Getting Started with Transistors** by Louis E. Garner, Jr. The last word on the subject. Ideal for the beginner and experimenter.

G/L 116 ..... 3.95

**Transistors** by Martin Clifford. How to test transistors and build the equipment you need to do it.

G/L 94 ..... 1.95

**Fundamentals of Semiconductors** by M. G. Scroggie. Explores the entire field of semiconductor devices—transistors, rectifiers, photoelectric devices, thermistors, varistors, etc.

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**Transistor Projects** by Martin Clifford. Build pocket radios, test equipment, all kinds of electronic gadgets. Each one pre-tested. Solid how-to-do-it, construction details.

G/L 89 ..... 2.90

**Transistors—Theory and Practice** (revised and enlarged edition) by Rufus P. Turner. One of our all-time best sellers, brought up to date. Covers theory, characteristics, use in well known circuits.

G/L 75 ..... 2.95

**Transistor Circuits** by Rufus P. Turner. How to work with hundreds of transistorized circuits. Invaluable for the experimenter, hobbyist and do-it-yourselfer.

G/L 63 ..... 2.75

**Transistor Techniques** by Martin Clifford. Keeps theory and math to a minimum and gives scores of hints on how to use transistors to best advantage. Covers testing, performance, construction and measurements.

G/L 61 ..... 1.50



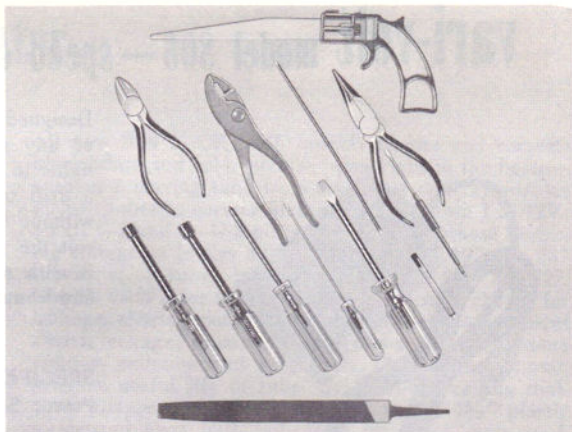
## technician's tool kit

Assortment of durable, professional tools for technicians, hobbyists. Would run over \$14.00 if bought individually.

Includes general, phillips and small screwdrivers, long-nose and slip-joint pliers, diagonal cutters,  $\frac{1}{4}$ " and  $\frac{5}{16}$ " nut drivers, 8" file, keyhole saw, regular hex and duplex alignment tools. All sent in free roll-up carrying case.

**\$10.95**

Stock #15TO, 3 lbs. parcel post



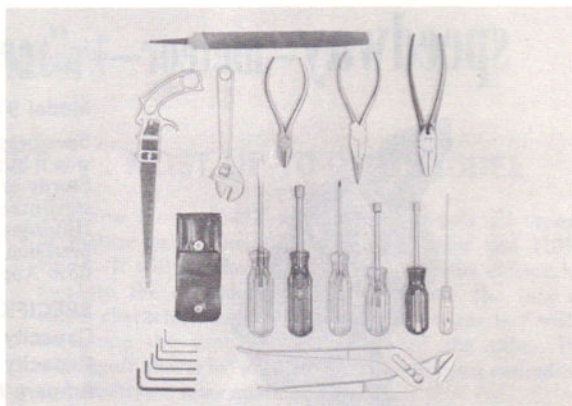
## homeowner's tool kit

10 professional grade tools for every homeowner. Perfect for household repairs. You get 10" general purpose pliers, small and phillips screwdrivers, general screwdriver, 6 Allen wrenches, long-nose and side-cutting pliers, 6" adjustable end wrench, keyhole saw and 8" file.

Durable roll-up carrying case is included free—for protecting and storing tools.

**\$14.95**

Stock #16TO, 4 lbs. parcel post

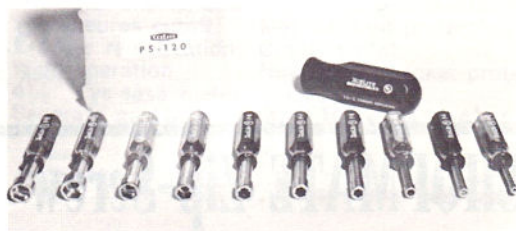


## speed-o-matic wire stripper

New, improved, faster wire stripper made by the GC Electronics Co. Fully automatic, it features new "Delayed Return Action" which prevents crushing of fine stranded wires. Sturdy and simple to use, the Speed-O-Matic has narrow grip handles for effortless operation. A handy tool to save time . . . for technicians, hobbyists, electricians.

**\$5.94**

Stock #766TO, 1 lb. parcel post



## Xcelite nutdriver set

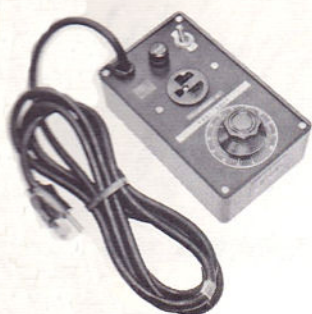
A new design idea by the famous Xcelite Inc. 10 color-coded, pocket size drivers, plus a "torque amplifier handle" that fits over driver handles. Special handle provides larger grip and gives you extra driving power. All packed in sturdy, see-through plastic case. Drivers just  $3\frac{1}{2}$ " long. List price \$8.25

**\$4.95**

Stock #120TO, 1 lb. parcel post



## vari-volt model 806 — speed control without power loss!



Designed for home workshop and light commercial applications. Controls speed of any universal AC/DC motor to  $\frac{1}{8}$  HP and brightness of incandescent lights to 1000 watts. Gives you maximum efficiency from power tools. Use with a drill to drive screws at speeds down to 10 rpm. Use inexpensive drill bits without fear of burning on the first job. Set speed of belt sander or lathe to suit the job. Slow down jig or circular saw to prevent ripping fine woods. Use it with soldering iron to control heat for light or heavy work. And you can find countless other applications for Vari-Volt.

### SPECIFICATIONS:

**Power Source:** 110-120V, 60 cycle

**Capacity:** 7 amp, 1000 watts, fused

**Dimensions:**  $3\frac{1}{4}$ " x  $5\frac{1}{2}$ " x  $7\frac{1}{2}$ "

**Shipping Weight:** 1 lb. 12 oz., parcel post insured

**\$19.95** Stock #806WT

## speedway—meteor— $\frac{3}{8}$ " capacity drill



### Model 912

Speedway All New, UL Industrially Rated  $\frac{3}{8}$ " Drill. Features the motor that won't burn out! Packs the extra speed and torque to power all accessories. Sturdy diecast aluminum alloy housings with beige tone epoxy finish, all-steel precision hobbed gears, newly developed special alloy bearings throughout. Hi-torque, 2.5 amp 110v AC motor. UL-approved 3-conductor lead cord and precision geared clutch with key. Complete tool is UL Industrially Rated and CSA Approved.

### SPECIFICATIONS:

**Capacity in Steel:**  $\frac{3}{8}$ "

**Capacity in Wood:** 1"

**Ampere Rating:** 2.5

**No Load Speed:** 1750 rpm

**Full Load Speed:** 1150 rpm

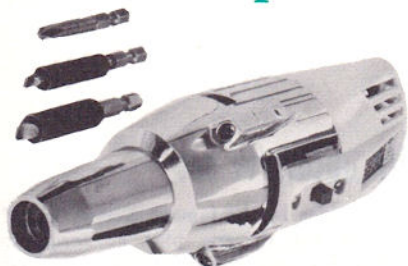
**Overall Length:**  $8\frac{1}{4}$ "

**Net Weight:** 4 lbs., parcel post insured.

**\$13.40**

Stock #912TO

## SHOPMATE Zip-Screw



The First and only electric screwdriver of its kind... specifically designed for use around the home. Drives #4 through #12 slotted and Phillips head. Excellent for light assembly work, building, repairing, etc. Instant on-off switch, reverse switch, complete with 6 ft. cord, two slotted head finders and one Phillips head bit.

**Stock #1895TO** Shipping Weight:  $3\frac{1}{4}$  lbs.  
Parcel Post Insured

**List Price—\$34.95** **CONAR Price — \$29.95**



## high speed drill kit

Eleven U.S. made, high speed drills in a wide assortment of sizes ranging from  $\frac{1}{16}$ " to  $\frac{3}{8}$ " x  $\frac{1}{32}$ "—most needed in the home or shop. Shipped in a handy plastic container. Manufacturer's list \$7.45. A real Conar value at:

**\$5.20** Stock #T37TO, 1 lb. parcel post



## B & K picture tube tester-rejuvenator



All new B & K CRT 445 quickly checks and corrects black-white and color picture tubes right in the home—without removing tube from set. Tests and rejuvenates all pic. tubes at correct filament voltage from 1 to 12V; all Hi G-2 and Lo G-2 pic. tubes including those requiring voltage as low as 30V; 110° plus new 19" and 23" tubes; color tubes including new 90°, 23" 23BG22. Checks each color tube gun separately. Also checks for leakage, shorts, opens, emission; removes inter-element shorts, leakage; repairs open circuits and low emission; restores emission and brightness. Checks gas content, predicts useful life of tube. Grid cut-off reading indicates picture quality you can expect. Has 4½" plastic meter and neon bulb indicators for quick, easy readings. Operates on 117V, 50-60 cycle AC. Handsome leatherette-covered carrying case with handle.

FULLY ASSEMBLED—READY TO USE

**\$74.95** Stock #445WT, 9 lbs. parcel post insured

## Anchor picture tube tester-rejuvenators



### NEWEST . . . MOST UP-TO-DATE MODEL

The new Model T-477 will test and repair all types of picture tubes, including the latest color and 110° types. It will test for shorts between various elements, measure the cathode emission, determine the tube's cutoff characteristics, and by means of a gas test will determine the probable useful life of the tube. It will repair shorts between elements, weld open cathodes and reactivate low emission cathodes.

#### FEATURES:

Isolation transformer	Tests every type pic. tube
Tests for emission, opens, shorts, and measures cutoff	Fil. volt. exact 2.35 to 12.6
2 stage re-activation	5 position grid <sub>2</sub> switch
Weld operation	Meter circuit protection
4½" Eye-ease meter	Circuit switch
Separate gas test	Neve-Break socket protects leads
	Size: 10" x 9¾" x 4½"

**\$63.65** Stock #477WT, 8 lbs. parcel post insured



### FULLY ASSEMBLED — READY TO USE

Test, analyze and repair all picture tubes in use today—black-white and color. The Model T-471 includes all necessary adapters, 4½" meter, filament switch to cover exact voltage of all tubes, switch for checking individual guns of color tubes, short and open indicator lamp and contact switch to weld open cathodes and eliminate inter-element shorts. Only instrument in price range with so many features. Size 10" x 9¾" x 4½".

Was \$53.85

Now **\$48.85**

Stock #471WT, 9 lbs. 14 oz. parcel post insured



# CONAR recommended B & K instruments

## Quick, Direct, Error-Free Readings WITHOUT MULTIPLYING

just set the range switch  
and the correct scale appears  
**AUTOMATICALLY**



### **B&K** VTVM

## DYNAMATIC 375

### Automatic Vacuum-Tube Voltmeter



Individual full-size scale for each range, and only one scale visible at any one time. Once you set the range switch, you see only the scale and range you want, and read the answer directly. Saves time, eliminates calculations, avoids errors. Simplifies true reading of peak-to-peak voltages of complex wave forms in video, sync and deflection circuits, pulse circuits, radar systems, etc. Includes DC current ranges, too.

**Ranges:** DC Volts 0-1.5, 5, 15, 50, 150, 500, 1500  
AC Volts (rms) 0-1.5, 5, 15, 50, 150, 500, 1500  
AC Volts (peak-to-peak) 0-1.5, 5, 15, 50, 150, 500, 1500  
DC Current 0-5 ma, 50 ma, 500 ma  
Ohms 0-500 ohms, 5k, 50k, 500k,  
5 meg, 50 megs, 1000 meg

**Input Resistance:** 11 megohms on all DC ranges

**Accuracy:**  $\pm 3\%$  full scale AC and DC

**Meter Movement:** Sensitive 100 microampere

**Precision Multiplier Resistors** with  $\pm 1\%$  accuracy

**Anti-Parallax Mirrored Scale** for precise readings

**Easy-to-See Iridescent Knife-Edge Pointer**

**Single DC-AC Ohms Probe** (supplied)

Includes  $1\frac{1}{2}$  volt Battery. Operates on 117 volts 50-60 cycle AC

**Model 375.** Dynamatic VTVM in sturdy metal case, with convenient combination swivel stand and handle. Size  $10\frac{3}{4}'' \times 6\frac{3}{4}'' \times 4''$  deep. Net wt., 8 lbs.

Shipped via express, collect. Stock #375WT

Conar price — **\$88.15**  
\$8.81 down, \$8.00 monthly

**Model 38PB.** R.F. Probe for Model 375. Increases frequency range up to 250 Mc. Net, **\$795**

**Model 39PB.** High-Voltage Probe for Model 375. Increases DC voltage range up to 50,000 volts. Net, **\$1295**

(Model 375 also available in 115-230 volts, 50-60 cycle AC.)

### **B&K** VOM

## V O M A T I C 360

### Automatic Volt-Ohm-Milliammeter



**WITH BURN-OUT PROOF  
METER MOVEMENT**

Individual full-size scale for each range. Only one scale is visible at any one time, in the exact range you want. All scales are direct reading—no multiplying, no false readings.

**Sensitivity:** 20,000 ohms per volt DC; 5,000 ohms per volt AC

**Ranges:** DC Volts 0-3, 15, 60, 300, 1000, 6000

AC Volts 0-3, 15, 60, 300, 1000, 6000

AF (output) 0-3, 15, 60, 300 volts

DC Current 0-100 $\mu$ a, 5 ma, 100 ma, 500 ma, 10 amps

**Resistance** 0-1000 ohms (10  $\Omega$  center)

0-10,000 ohms (50  $\Omega$  center)

0-1 megohm (4 k  $\Omega$  center)

0-100 megohms (150 k  $\Omega$  center)

**Supplemental Ranges** in 18 separate external overlay meter scales:

DC Volts 0-250 mv; Capacitance 100 mmfd to 4 mfd in 3 ranges;

Audio Power Output (4  $\Omega$  load) 0-56 watts in 2 ranges; (8  $\Omega$  load)

0-28 watts in 2 ranges; (16  $\Omega$  load) 0-56 watts in 3 ranges; **DBM**

(decibels) (0 db = 1 mv across 600 ohm load); -20 dbm to +62 dbm in 5 ranges; **Peak-to-Peak AC Volts** (sine wave only) 0-170, 850.

**Polarity Reversing Switch** for ease of measurement. **Ohms-Adjust**

Control automatically shorts out test leads for Zero set. **Mirrored**

Scale with knife-edge pointer for precise readings. **Accuracy:**

$\pm 3\%$  DC;  $\pm 5\%$  AC (full scale). **Frequency Response AC:**

5-500,000 cps. **Burn-Out Proof Meter Movement** protected against

extreme overload and burn out. **Complete** with  $1\frac{1}{2}$ -volt and 9-volt batteries and test leads.

**Model 360.** Includes adjustable easy-viewing stand. Size

$6\frac{1}{4}'' \times 8\frac{3}{4}'' \times 4\frac{1}{4}''$ . Net wt. 4 lbs.

Shipped via express, collect. Stock #360WT

Conar price — **\$58.75**  
\$5.88 down, \$6.00 monthly

**Model 36PB.** High Voltage Probe for Model 360. Extends DC voltage range up to 60,000 volts. Net, **\$1295**

**Model 8CY.** Eveready Genuine Leather Carry-Case. Net, **\$1195**



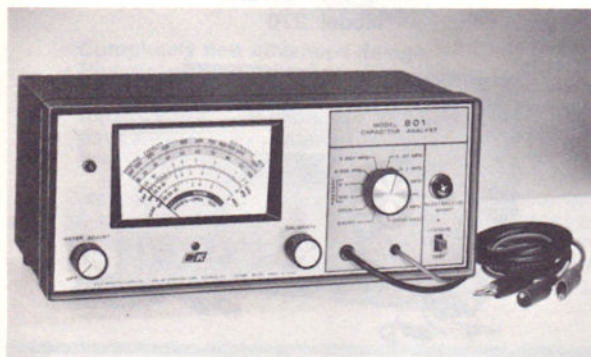
# CONAR recommended B & K instruments



## Model 801 CAPACITOR ANALYST

Saves Time — Saves Work —

Saves Call Backs



### TESTS CAPACITORS FOR "SHORTS", "OPENS", AND "LEAKAGE"

Quickly detects "shorts", "opens", and leaky capacitors in-circuit as well as out-of-circuit. Tests for shorts and opens reads directly on Good-Bad scale. Leakage test reads directly in megohms on leakage scale. Quickly shows "leakage" which affects operation of circuit and determines need for replacement. Unique 3-wire design eliminates need for disconnecting capacitor from circuit.

### TESTS CAPACITOR VALUE

Accurately measures capacity value out-of-circuit which has a working voltage of 3 volts or more, within the range of 25 pfd to 100 mfd. Makes it easy to test low-voltage transistor circuit capacitors as well as those in vacuum-tube circuits. Values are quickly determined from meter scale.

### TESTS ELECTROLYTIC CAPACITORS

(Out-of-Circuit Only)

Unique new test circuit (pat. pend.) automatically measures and reveals the effective operating capacity of electrolytics in microfarads on the meter scale. This measurement automatically takes into consideration the effect of capacity, leakage resistance, and equivalent series resistance.

### SPECIFICATIONS

**AC VOLTAGE** Designed for operation on 105-125 volts 60 cycle AC, but pre-tested to operate properly from 90 to 140 VAC after 2-minute warmup.

**CABLES** All tests are made with the same integrated cable assembly, simply by proper setting of range selector switch. (All necessary cables and leads are included.)

**BURN-OUT-PROOF METER MOVEMENT** Meter movement is protected against accidental overloads.

**CALIBRATION** Calibration is easy to maintain for accurate testing and measurement.

**SINGLE-KNOB RANGE SELECTION** One knob makes it easy to select the desired function and range. Simplifies operation.

**HANDSOME . . . RUGGED . . . EASILY PORTABLE** Size, 5½" h x 12¾" w x 6¾" d. Weighs only 8¾ lbs. Simplified internal engineering design, in attractive metal case, for rugged, long-life use.

Shipping Weight: 10 lbs.

Stock #801WT Shipped Express Collect

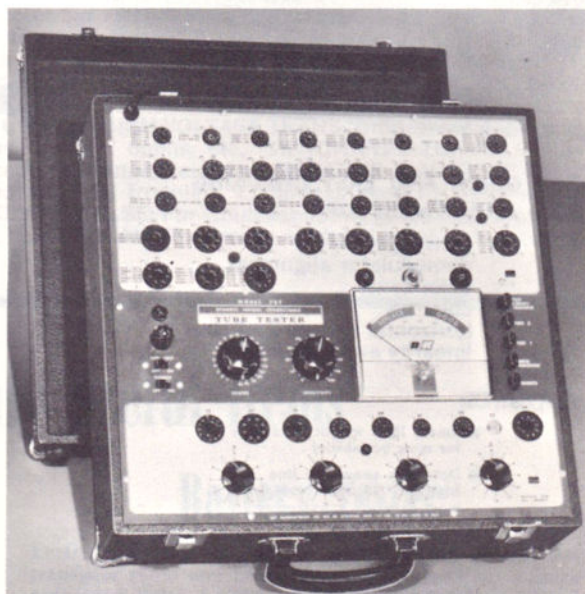
CONAR PRICE — \$109.95



## DYNAMIC MUTUAL CONDUCTANCE TUBE TESTER

Model 707

**OBSOLESCENCE-PROOF**



Tests: New and old TV and Radio Tubes, Nuvistors, Novars, 10-pin tubes, 12-pin Compactrons, European Hi-Fi Tubes, Voltage Regulators, and Most Industrial types.

Especially designed for efficient accurate testing of tubes for color TV, the B&K Dyna-Jet Model 707 tests more color TV tubes including the latest types, and tests them more rapidly than any equipment previously available. Also tests virtually all TV and radio tubes, new and old, Nuvistors, Novars, 10-pin tubes, 12-pin Compactrons, European Hi-Fi tubes and voltage regulators, and most industrial tube types.

A dynamic mutual conductance tube tester, with full obsolescence tube protection, the 707 makes tests under actual set operating conditions, thus offering complete GM accuracy. A multiple-socket section permits quick checking of most tube types; and a simplified switch section permits checking other types in a Dyna-Jet emission circuit; also includes provisions for future sockets.

Checks each section of multi-section tubes for all shorts, grid emission, leakage and gas. (The adjustable grid emission test provides sensitivity to over 100 megohms.) The unit also makes a quick "life" test.

Shipping Weight: 17 lbs.

Stock #707WT Shipped Express Collect

CONAR PRICE — \$189.95



# CONAR

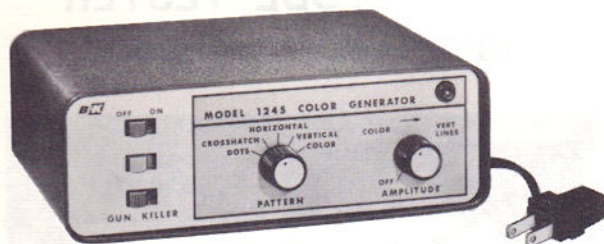
# recommended B & K instruments



## Color Generator

### all solid state

Model 1245



FOR QUICK AND EASY CHECKING  
AND ADJUSTMENT OF:

convergence,  
demodulator alignment,  
color sync,  
color fit,  
horizontal and vertical size,  
linearity and overscan

#### FEATURES:

- Small, light weight solid-state for most portability
- Dots only one raster line high and .25  $\mu$ sec. wide for most accurate convergence
- Free of retrace lines
- Station quality waveforms for obsolescence protection and least convergence time through minimizing need for brightness, contrast and fine tuning readjustment
- Precise waveforms permit accurately setting color killer control without a B&W telecast
- Built-in gun killer works on any picture tube

The model 1245 produces all the various necessary waveforms to station quality standard. A well defined back porch on the horizontal sync pulse permits accurately setting the color killer, and almost eliminates the need to adjust brightness, contrast and fine tuning, making it easier to converge the color tube. Complete blanking of all video information during the sync periods produces a scan free of retrace lines and enables easier sync circuit testing.

Output is at RF with more than 5000  $\mu$ V of signal on Channel 3, 4 or 5, factory tuned to channel 3. The 1245 utilizes the "offset-subcarrier" principle to generate the 10 color bar signals which are accurately spaced at 30° phase intervals.

The generator has a transformer type power supply with zener and power transistor regulation. A pilot lamp indicates power on.

This portable transistorized generator provides crystal-controlled keyed rainbow color bar display; dot, cross-hatch, horizontal line and vertical line patterns. It also includes a clear raster for purity adjustment, as well as gun killer controls that will work with any picture tube. Size only 2 $\frac{7}{8}$ " h x 8 $\frac{1}{2}$ " d x 8 $\frac{7}{8}$ " w, plus carrying handle. Operates from 105-125 v., 60 cycles A.C.

Stock #1245WT

Shipping Weight: 4 lbs.

Parcel Post Insured

## \$134.95



## Transistor

### Radio Analyst

FOR FM or AM, AUTO, HOME and PORTABLE  
RADIOS and TRANSISTORIZED TV and  
AUDIO AMPLIFIERS

Model 970



**IN-CIRCUIT TRANSISTOR TEST** permits quick determination of the operation of any stage of amplification including power transistor stages at their normal working currents without unsoldering transistor or other components.

**OUT-OF-CIRCUIT TRANSISTOR TEST** reads Beta directly on meter scale and also tests for leakage current. Both signal and power transistors are accurately measured at appropriate current levels.

**BUILT-IN POWER SUPPLY** with a 5 amp output and low ripple. Output voltage 1.5 to 15 volts in 8 1.5 v. steps plus 6.8 and 13.6 volts for auto radios. Either + or - can be grounded. Fused input and output.

**BIAS SUPPLY** with continuously variable 1.5 to 15 volts output. Bias polarity is the same as the main power supply.

**AM AND FM GENERATOR OUTPUTS** with vernier tuning:

250 kc to 2000 kc with AM modulation

10 mc to 11.4 mc with AM or FM modulation

88 mc to 108 mc with FM modulation

**RUGGED DC VOLT-OHM-MILLIAMMETER** with burn-out proof, taut band meter movement and 11 convenient ranges.

**400 CPS AUDIO OUTPUT OR MODULATION.** Modulation on AM is not less than 30% and deviation on FM is not less than 70 kc at maximum modulation level setting. Audio output level is adjustable and suitable even for speaker testing.

**SEPARATELY ADJUSTABLE AUDIO MODULATION AND RF OUTPUT CONTROLS** help find incorrect bandpass in IF's and discriminator on FM and other causes of distortion in audio quality. Relative receiver sensitivity can easily be determined.

**ALL SOLID STATE CONSTRUCTION** assures minimum down time and maximum reliability.

**MODEL 970 TRANSISTOR RADIO ANALYST** for 105-125 v. 60 cps. Also available in 115-230 v., 50-60 cycles A.C. Dimensions: 15 $\frac{1}{2}$ " x 8 $\frac{1}{2}$ " x 9" deep.

Stock #970 WT

Shipping Weight: 24 lbs.

Express Collect

## \$199.95



## B & K television analyst



- Completely new advanced design
- Pinpoints TV troubles in half the time
- Designed for black-white and color
- Injects signal and produces own test pattern—actually a miniature TV broadcast station

Stock #1076WT, **\$329.95**  
31 lbs.  
express collect

\$33.00 down, \$15 monthly

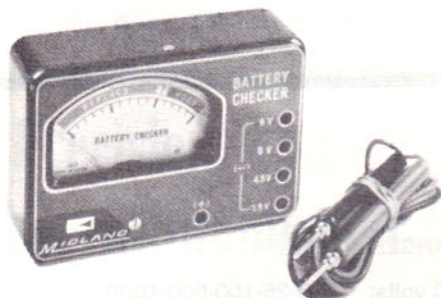
**FIND IT and FIX IT . . . in 1/2 the TIME!**

Widely acclaimed as the most useful instrument in TV servicing! Makes it quick and easy to isolate, pinpoint and correct TV trouble in any stage throughout the video, audio, RF, IF, sync and sweep sections of black-white and color TV sets.

Makes external scope or wave-form interpretation unnecessary. Enables any serviceman to cut servicing time in half, service more TV sets in less time, really satisfy more customers and make more money.

**ALL THESE SIGNALS ARE INSTANTANEOUSLY AVAILABLE ON THE FRONT PANEL:** **RF and IF:** Supplies complete signals to trouble shoot each stage in these sections. **VIDEO:** Reproduces complete test pattern for fast, visual troubleshooting. **SYNC:** Gives composite signal, positive or negative. **AUDIO:** Provides FM modulated 4.5 mc sound channel and 400 cycle tone generator. **COLOR:** Generates white dot, crosshatch, color bar and rainbow patterns. **GRID DRIVE:** Provides signal for vertical and horizontal output stage. **PLATE DRIVE:** Completely check vertical and horizontal output circuit. **YOKE TEST:** Reveals condition of yoke windings. **B+ BOOST INDICATOR:** Qualifies boost operation. **HIGH-VOLTAGE INDICATOR:** Helps to isolate high voltage troubles. **HIGH VOLTAGE TRANSFORMER TEST:** Detects shorted turns, leakage, opens, etc. **SWITCH-TYPE TUNER:** For instant and accurate channel selection. **NEGATIVE BIAS SUPPLY:** For sync overload and AGC troubles. Eliminates need for extra equipment. **AGC KEYING PULSE:** For troubleshooting gated AGC systems. **HIGH LEVEL TEST SIGNAL:** For directly modulating TV picture tubes.

## 3 low-cost, highly useful items



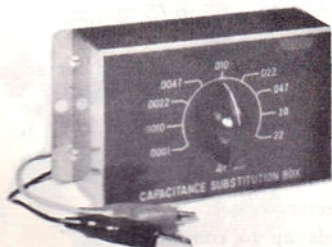
### Battery Tester

Perfect for shop or sales counter. Checks all popular transistor radio and hearing aid batteries. Four voltage ranges: 9-Volts, 6-Volts, 4.5 Volts and 1.5 Volts. 2 1/4" meter is marked with broad, clear, "Replace—Questionable—Good" Scale. Easy to use with test leads provided. Measures 3 7/8" wide x 2 3/4" high x 1 3/8" deep.

Stock #140WT  
Shipping Weight: 1 lb.  
Parcel Post

**\$5.95**

### Capacitance Substitution Box



Fast capacitor substitution from .001 to 22 mfd with rotary switch selection of 9 ranges. All ranges are rated at 600 working volts DC. Alligator clips on 36" red and black test leads allow quick clipping into circuit. Overall size: 4 3/4" wide x 2 5/8" deep x 1 1/4" high.

Stock #132WT  
Shipping Weight: 1 lb.  
Parcel Post

**\$4.00**

### Resistance Substitution Box



Precision resistor substitution from 15 ohms to 10 meg-ohms in two ranges, 15 ohms to 10K ohms and 10K ohms to 10 meg-ohms. Convenient red and black alligator clip test leads are 36" long. Ranges are clearly marked and easy to select with positive rotary switching. Overall size: 4 3/4" wide x 2 5/8" deep x 1 1/2" high.

Stock #133WT  
Shipping Weight: 1 lb.  
Parcel Post

**\$5.95**

Order both  
for  
**\$8.95**  
Save **\$1.00**



## Full Size Professional Multimeter



20,000 OHMS  
PER VOLT DC

10,000 OHMS  
PER VOLT AC

**\$17.50**

Stock #105WT

Shipping Weight 2 lbs. Parcel Post Insured

### RANGES:

DC volts: 0-0.6-6-30-600-1200-3000-6000

AC volts: 0-6-30-120-600-1200

DC current: 0-5uA-6MA-60MA-600MA

Ohms: 0-6,000-600,000-6MEG.-60MEG.  
(RX1) (RX100) (RX1000) (RX10,000)  
Expanded low end scale "30 center"

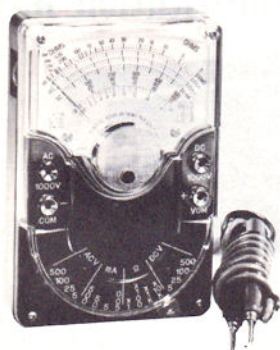
Capacity: 0.00005-0.01uF .001-0.2uF

Decibels: -20db to +63db (5 ranges)

This new 20,000 ohm-per-volt multimeter is a true precision instrument with all the extras expected in a much higher priced meter. The 18-position nylon range-selector switch includes an 8-position DC voltage selection plus an Rx1 resistance range. Capacity may also be accurately measured. Other outstanding features include precision 1% resistors, extra tension pin jacks, heavy-duty bakelite case and recessed range selector knob. Bold black numbers and precision hand calibration make each reading unquestionably accurate. Dimensions: 5½" high x 3½" wide x 1½" deep. Test leads, batteries and instruction manual included.

## New Pocket-Sized Multimeter

with leather carrying case



20,000 OHMS  
PER VOLT DC

10,000 OHMS  
PER VOLT AC

**\$16.50**

Stock #104WT

Shipping Weight 2 lbs. Parcel Post Insured

### RANGES:

DC volts: 0-5-25-100-500-1000

AC volts: 0-5-25-100-500-1000

DC current: 0-50uA-5MA-50MA-500MA

Ohms: 0-6,000-600,000-6MEG.-60MEG.  
(RX1) (RX100) (RX1000) (RX10,000)  
Expanded low end scale "30 center"

Decibels: -20db to +62db (5 ranges)

Brand new pocket multimeter designed for accuracy in the field or on the technician's bench. Easy-to-read heavy black numbers carefully scaled for quick, exact reading. Crystal clear high impact plastic front takes rough treatment and gives full scale view. Popular swinging-lever nylon range-selector switch allows easy selection of ranges and stands up to continuous use. Dimensions: 4¾" High x 3" Wide x 1¼" Deep. Other outstanding features include a heavy duty bakelite case, precision 250uA D'Arsonval movement, pin jacks. Each unit is supplied with batteries, test leads, leather case and instruction manual.



## Portable Multimeter

with leather carrying case



20,000 OHMS  
PER VOLT DC

**\$10.50**

Stock #1101WT

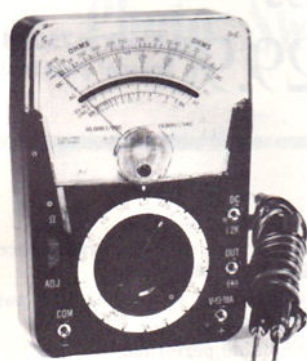
Shipping Weight 1 lb. Parcel Post Insured

### RANGES:

AC volts: 0-10-50-250-1000  
DC volts: 0-5-25-125-500-2500  
DC current: 0-250 mil, 0-50 microamp  
Ohms: 0-10,000 and 1 meg.  
Expanded low-ohm scale.  
Decibels: -20db to +22db

This new meter features a new  $3\frac{1}{2}$ " easy reading scale and 20,000 ohm per volt DC accuracy. Readability is superior on all low ranges making this an excellent instrument for servicing transistorized equipment. Other features include a recessed nylon range selector switch. 250 microamp D'Arsonval meter movement, pin jacks, precision resistors throughout, and individual hand calibration. Moulded bakelite case is  $4\frac{1}{2}$ " high,  $3\frac{1}{4}$ " wide, 1" deep. Furnished with leather carrying case, test leads, instruction manual and standard penlite cell.

## Precision Volt-Ohm-Milliammeter



30,000 OHMS  
PER VOLT DC

15,000 OHMS  
PER VOLT AC

**\$18.50**

### RANGES:

DC volts: 0-3-12-60-300-600-1200  
AC volts: 0-6-30-120-1200  
DC current: 0-30uA-3MA-300MA  
Ohms: 0-16,000-160,000-1.6MEG.-16MEG.  
(RX1) (RX100) (RX1000) (RX10,000)  
Expanded low end scale "100 center"  
Decibels: -20db to +63db (5 ranges)

This Volt-Ohm-Milliammeter is a precision laboratory instrument with the durability to take rugged field use. Outstanding bold black numbers, precision scale, and crystal clear high-impact plastic face combine to give maximum accuracy and instant readability. Precision resistors are used throughout and individual hand calibration assures the technician of complete accuracy. Recessed nylon range selector switch, extra-tension pin jacks, D'Arsonval movement, and heavy bakelite case are all features engineered for years of trouble-free service. Furnished with batteries, test leads, leather carrying case and instruction manual. Dimensions:  $5\frac{1}{2}$ " High x  $1\frac{3}{8}$ " Deep x  $3\frac{1}{2}$ " Wide.

Stock #106WT

Shipping Weight 2 lbs. Parcel Post Insured



# FINE PRECISION BINOCULARS

*at unbelievable low prices!*

It took quantity buying to bring the price down on these amazing name brand binoculars. Here are two outstanding buys for sportsmen, sight-seers, birdwatchers, boat enthusiasts — anyone. You'd expect to pay much, much more for the many features found in these binoculars like center focus, individual right eye focus, quality coated optics — and as a bonus — pigskin covered, plushlined carrying case with straps. All binoculars carry Conar's unconditional 30 day money-back agreement. You'll be more than pleased with these three great buys!



## 7x35 LIGHT WEIGHT SPORTS & HUNTING

**Famous Zeiss styling!**  
**Handy center focusing!**  
**Right eye adjustment!**

Most popular size and weight binocular for top performance at all times. Magnifies 7 times with 350 ft. field of view at 1,000 yards. Use these to follow a touchdown run or catch the split second plays at any sporting event. Brings people, places and things into dramatic focus any time, any place. *Two* separate focus adjustments give quick, razor-sharp views — even for those who wear eyeglasses. Shipping weight 4 lbs. 14 oz.

**List price \$34.95**

Conar price **ONLY** **\$25.90** Stock #735EN  
parcel post insured

## 7x50 HEAVY DUTY MARINE & NIGHT VIEWING

**Huge 50mm coated lenses! Bright images in dusk, dawn or moonlight!**

This big, rugged instrument is built to take it. 7X50 is known as the basic naval binocular ideally suited for poor light and weather conditions as well as sunshine. Has wide 375 ft. field of view at 1,000 yards. And there's a heft to these heavy-duty binoculars that men of action go for. Has *two* separate focus adjustments. Shipped complete with lined, pigskin carrying case and straps. Shipping weight 4 lbs. 8 oz.

**List price \$39.95**

Conar price **ONLY** **\$29.90** Stock #750EN  
parcel post insured

## Transistor Radio Sunglasses



CONAR PRICE: **Only** **\$19.95**

- ☐ Precision-made miniaturized transistor radio receives stations with amazing clarity and tone.
- ☐ Equipped with on-off switch, volume control, tuning dial and built-in invisible antenna.
- ☐ Easy operation, dependable performance.
- ☐ Miniature energy cell (battery) operates 80 to 160 hours. Replacement battery available at most camera stores and hearing aid centers.
- ☐ High quality ground lenses in well-made sturdy frame. Can be fitted with prescription lenses by any optometrist or oculist.
- ☐ Handsome protective plastic carrying case.

Stock #625EN, Shipping Wt. 1 lb.  
Shipped: parcel post insured



# terado

## TRAV-ELECTRIC

### PACKAGED SILENT ELECTRIC POWER!

self-contained power supply —  
with battery and automatic recharger

Stock #160TO

CONAR Price — \$69.50



**\$69.50**

#### ELECTRICAL & MECHANICAL SPECIFICATIONS

**OUTPUT:** 117 Volt, 60 Cycle A.C.

**FREQUENCY:** Stable within  $\frac{1}{2}$  cycle, with load change

**CAPACITY:** 125 Watts Continuous; 175 Watts, Intermittent

**METER:** Shows charge rate and hours of anticipated output

**BATTERY:** Rechargeable wet storage battery, 25 ampere capacity

**CHARGER:** Operates from A.C. receptacle capacity tapers automatically from 6 to 0 amps; will not overcharge battery

**CASE:** Heavy Gauge, Copper Clad Steel

**DIMENSIONS:** 12" x 5 $\frac{1}{2}$ " x 8"

**WEIGHT:** 30 lbs., including battery

**SHIPPING WEIGHT:** 36 lbs. Shipped express collect

Changes its low voltage, 12 volt storage battery, to household electricity. 175 watts of power without auxiliary engines or generators. A turn of the switch provides silent 117 volt electric power just like at home. It will operate lights (fluorescent or

incandescent), tape recorders, portable television, test equipment, cash registers, electric hand tools, hedgeclippers, soldering irons, office machines and other electrical devices and appliances too numerous to mention. The frequency is maintained by the use of a tuning fork or reed and is kept accurate within  $\frac{1}{2}$  cycle regardless of changing load. The device weighs but 29 lbs. complete with storage battery, charger, and inverter housed in a copper clad steel case with handle. It's ideal for campers, trailers, boats.

### Automatic PM Photo Switch

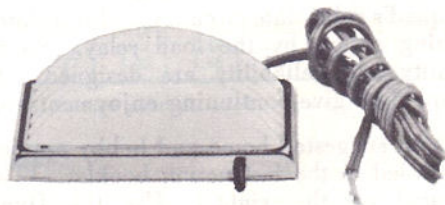


A light-sensitive photoelectric switch for automatically turning lights on at dusk and off at dawn. Completely weatherproof for outdoor installations and handsomely styled for inside use. Has 6 amp rating for up to 660 watt load. Ideal for many requirements—show windows, lawn, patio, brooders, driveways, displays, burglary protection—any requirement of automatic illumination. For use on 117 Volts AC.

**\$5.50**

Stock #700AC  
Shipping weight 1 lb.  
Parcel Post

### Automatic Door Light



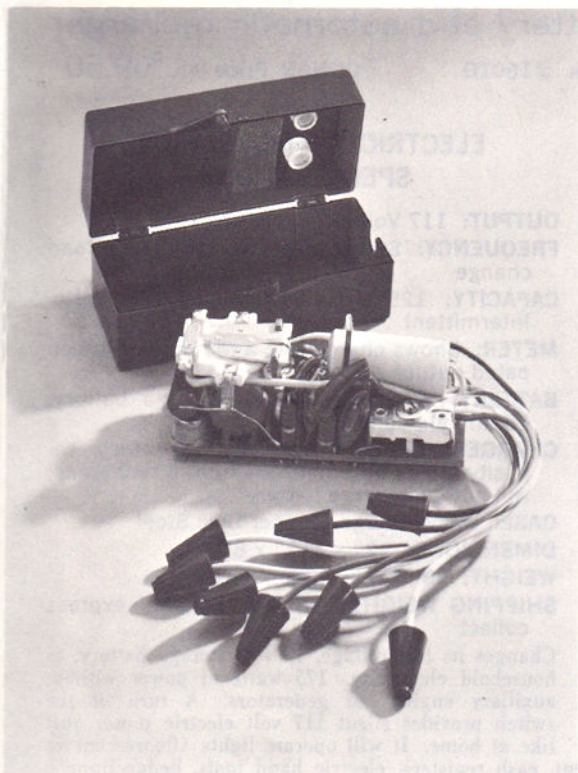
Gives soft white light automatically when door opens. Ideal for many applications: House, garage, record player, storage cabinets, closets and hundreds of other uses. Uses standard S-6 lamp and operates on 110 Volts AC. Supplied with 30" zip cord for quick, easy connection. Mounts behind door with two screws. When door opens, the switch is released and the light is turned on.

**\$1.95**

Stock #1550 AC  
Shipping weight 1 lb.  
Parcel Post



# the DYNAQUAD EXPERIMENTER'S KIT



- Available only from Conar
- Solid state circuit
- operates from hand capacitance
- Hundreds of uses for experimenter's
- Shipped complete with manual of 17 typical projects
- stock #33AC 1 lb. parcel post

only **\$14.50**

For the experimenter or pro, the Dynaquad Experimenter's Kit offers you design possibilities limited only by your imagination!

Hand capacitance — a fundamental principle of radio — is the basis of this unique Experimenter's Kit. When your hand or any other part of your body contacts the Dynaquad circuit, the output of the circuit will vary. This variation is sensed by Dynaquad's solid state circuitry and translated into switching action by the load relay. Simplicity, flexibility and reliability are designed into the Dynaquad to give continuing enjoyment and use.

Seventeen suggested home and hobby applications are detailed in the instruction booklet. (Two are illustrated on the right.) Use the Dynaquad Experimenter's Kit to protect your home and property, for candid photographs and tape recordings, to control lights or other equipment in inconvenient locations, or simply to mystify your friends. You'll easily think of many other applications.

Designed to handle safely up to 100 watts of lamp load at 105-125 line volts, the Dynaquad can control greater power through use of an additional external relay with appropriate power ratings.

## TWO TYPICAL PROJECTS:



### Family Door Signal

This one may answer an ancient household problem: How do you get someone to open the door when you come in from the car with your arms loaded with packages? Your elbow might not reach the doorbell, but you can make sure that it will activate a DYNAQUAD "ON" touch plate, strategically located at just the right spot. Place the "OFF" touch plate inside the door so you won't have to come outside again to turn off the alarm.

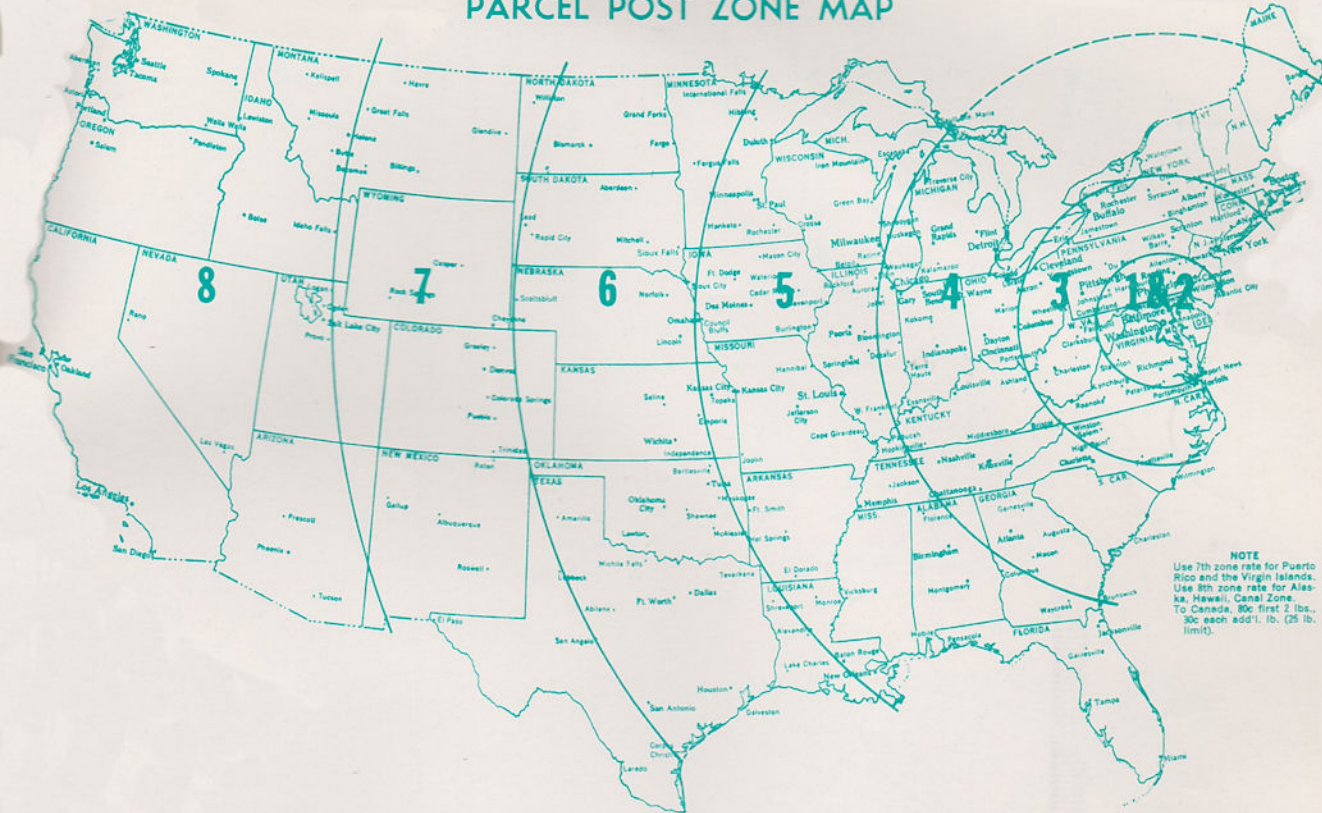


### Vulnerable Entry Alarm

Here's a way to protect your home when you want to leave a window or door open for night-time ventilation in a vulnerable area — such as a fire escape, a side porch, or a basement. If the entry is screened, you can usually use the screening as the "ON" sensing antenna, but only if leakage paths to the ground are minimal. Although adjustment is very critical, DYNAQUAD can be used to detect proximity; actual touching of the screen is not necessary to set off the alarm. A low voltage transformer could be used to set off an outdoor floodlight, simultaneously setting off an audio alarm. If screening can't be used, a touch plate or insulated aluminum foil will suffice.



# PARCEL POST ZONE MAP



## it's easy to order from CONAR

### HOW TO ORDER

Cash Orders: Use CONAR order form, your own stationery, or purchase order forms. Please show our stock number, quantity and name of item(s). On items marked "parcel post", add postage and insurance charges to total amount of your order.

### HOW TO SEND MONEY

The best way to send money is by bank draft, check or money order. Avoid sending cash but if necessary, be safe and register your letter. Please do not send stamps. For rush handling you may telegraph your order and remittance. However, in routine handling, cash orders are filled in less than 24 hours (except over week-ends and holidays).

### HOW TO ESTIMATE PARCEL POST CHARGES

Up to 16 ounces, all zones, allow 2c per ounce, 4c minimum.

The post office charges a fraction of a pound as a full pound. For example, if the total weight is 5 pounds and 1 ounce to Zone 4, postage would be for 6 pounds (80c).

WEIGHT, 1 pound and not exceeding	Zones							
	Local	1 and 2	3	4	5	6	7	8
2	\$0.29	\$0.40	\$0.42	\$0.46	\$0.52	\$0.59	\$0.66	\$0.72
3	.31	.46	.49	.55	.64	.73	.83	.93
4	.33	.51	.55	.64	.75	.88	1.01	1.13
5	.35	.57	.62	.72	.87	1.02	1.18	1.34
6	.37	.62	.68	.80	.97	1.15	1.34	1.53
7	.39	.68	.75	.88	1.07	1.28	1.50	1.73
8	.41	.73	.81	.95	1.18	1.41	1.66	1.92
9	.43	.78	.87	1.03	1.28	1.53	1.82	2.12
10	.45	.83	.93	1.10	1.38	1.66	1.98	2.31
11	.47	.88	1.00	1.18	1.48	1.78	2.14	2.48
12	.49	.93	1.06	1.26	1.58	1.90	2.29	2.66
13	.51	.98	1.12	1.33	1.69	2.02	2.44	2.83
14	.53	1.03	1.18	1.41	1.79	2.14	2.60	3.01
15	.55	1.08	1.24	1.48	1.89	2.25	2.75	3.18
16	.57	1.13	1.30	1.56	1.99	2.37	2.90	3.36

Canadian: 80¢ first two pounds, 30¢ each additional pound, 25 pound limit.

### METHOD OF SHIPMENT

The method of shipment is shown next to the price of each item described in this catalog. For those marked "parcel post", use map and chart on this page to compute postage charges to your zone. Insurance rates are given below.

Up to \$15.00	20c
\$15.01 to \$50.00	30c
\$50.01 to \$100.00	40c
\$100.01 to \$150.00	50c
\$150.01 to \$200.00	60c

Items marked "Express Charges Collect" require special handling. We recommend shipment via Railway Express and cannot assume responsibility for damage or loss if shipped by any other method. Please do not remit Express charges with your order. These charges will be collected on delivery.

EVERY ITEM YOU BUY FROM CONAR MUST SATISFY IN EVERY WAY - OR RETURN IT TO US FOR EXCHANGE, REPAIR, OR REFUND. YOUR COMPLETE SATISFACTION IS GUARANTEED.



# CONAR

SEE  
FOR  
YOUR  
SELF

how easy it is  
to build any  
Conar kit . . .  
send \$1.00 for  
complete assembly  
instructions on the  
kit of your choice.  
The \$1.00 will be  
credited to your  
future order.

## our guarantee to you

Conar guarantees *you* can build any kit in this catalog. Further, all kits assembled according to instructions will equal or surpass stated performance specifications.

Conar guarantees to refund the full amount paid for any item returned *within 30 days* after receipt. (No quibbling, no questions asked, no explanation required.)

Conar guarantees all Conar products against factory defects for a period of *one full year*. Any part or component that becomes defective, and such defect is not the result of accidental damage or improper use, will be replaced when returned to Conar.

Conar guarantees to render prompt, efficient repair service if ever needed plus *free* consultation service on all Conar products.