



# HEATH Christmas FLYER

11-23-49

As Christmas once again rolls around, we at the Heath Company are reminded of the wonderful support you our customers have given us.

It is our hope that all of you have the most pleasant of Christmases.

Heathkit owners now total nearly 80,000. This is the result of many of you telling your friends of Heathkit quality--we hope you will continue.

The Heath Company will in turn continue to improve Heathkits at every opportunity.

An example is the new VTVM announced below. It would have been impossible to sell this kit for \$24.50 even one year ago. The

list price of a 200 microampere  $\frac{1}{4}$ " meter alone is over \$18.00. The volume of Heathkit VTVM's, however, has allowed us to contract for practically a manufacturer's entire output and obtain this beautiful quality meter with finest Alnico Y Magnet at a price allowing its use. The new AC balancing circuit allows one zero set for both AC and DC ranges adding to the instrument's convenience. We show how this feature can be added to present instruments in this Flyer.

Christmas Deliveries: Every effort will be made to ship all Christmas orders, however, the steel strike may reduce deliveries. In any case of doubt, a Heathkit Gift Certificate will be mailed to prevent disappointment.

## A New Model V-4 VACUUM TUBE VOLTMETER KIT

**NEW**  $4\frac{1}{2}$ " 200 UA METER ... BALANCED AC CIRCUIT CONTROL  
SIMPLIFIED SWITCHING ... SNAP-IN BATTERY MOUNTING

### Features

- \*Meter scale 17% longer than average  $\frac{1}{4}$ " meter.
- \*Modern streamline 200 ua meter.
- \*New modern streamline styling.
- \*Burn-out proof meter circuit.
- \*24 complete ranges.
- \*Isolated probe for dynamic testing.
- \*Most beautiful VTVM in America.
- \*Accessory probes (extra) extend ranges to 10,000 Volts and 100 Megacycles.
- \*Uses 1% precision ceramic divider resistors.
- \*Modern push-pull electronic voltmeter circuit.
- \*Electronic AC circuit. No current drawing rectifiers.
- \*Shatterproof plastic meter face.

The new Heathkit Model V-4 Vacuum Tube Voltmeter has dozens of improvements. The new modern streamlined 200 microampere meter uses Alnico Y Magnet for fast accurate readings. The streamlined case is molded of shatterproof plastic. The scales are long--17% longer than average  $\frac{1}{4}$ " meters and nearly twice as long as previous Heathkits.

The new electronic AC voltmeter circuit incorporates an entirely new balance control which allows a complete elimination of contact potential. This removes meter shift with various ranges, giving accurate readings on all ranges, and compensates for variations in tube elements. This feature is exclusive in Heathkits.

New simplified switching reduces by nearly one-half the number of connections made to the switches, giving easier, quicker assembly. New snap-in battery mounting for ohmmeter battery mounts on chassis for quick, easy replacement and simpler assembly.

The Heathkit VTVM with true electronic AC voltmeter and push-pull DC voltmeter circuit gives positive automatic meter protection on all functions.

The Heathkit is the only VTVM Kit giving all the ranges. Check them: DC and AC full scale linear ranges of 0-3V., 0-10V., 0-30V., 0-100V., 0-300V., 0-1,000V., and can be extended to 0-3,000V., and 0-10,000V. DC with accessory probe at slight extra cost.

Electronic ohmmeter has six ranges measuring resistance accurately from one tenth of an ohm to one billion ohms.

Meter pointer can be offset from zero for FM and TV alignment.

The DC probe is isolated for dynamic measurements of receiver voltages without disturbing receiver operation. Constant 11 megohm input resistance allows use of standard accessories.

Has db scale for making gain--noise level and other measurements on audio amplifiers.

A few hours work gives you the finest quality VTVM available--universities use them for atomic research--you will find it the handiest tool you'll ever own. Order now and enjoy it this entire winter season. Model V-4. Shipping Wt. 8 lbs.



AND STILL  
Only

**\$24.50**



Highest Quality 400 microampere 3" Meter molded in case of

# Heathkit HANDITESTER KIT

...Features...



- \*Beautiful streamline Bakelite case.
- \*AC and DC ranges to 5,000 Volts.
- \*1% Precision ceramic resistors.
- \*Convenient thumb type adjust control.
- \*400 Microampere meter movement.
- \*Quality Bradley AC rectifier.
- \*Multiplying type ohms ranges.
- \*All the convenient ranges 10-30-300-1,000-5,000 Volts.
- \*Large quality 3" built-in meter.



Handy  
OHMS  
Adjust

The instrument for all--the ranges you need--beauty you'll enjoy for years and you can assemble it in a matter of minutes--an instrument for everyone. The handiest quality volt-ohmmeter of all. Small enough to put in your pocket, yet a full 3" meter. Easy pictorial wiring diagrams eliminate all assembly problems. Uses only 1% precision ceramic divider resistors and wire wound shunts. Twelve different ranges. AC and DC ranges of 10-30-300-1,000-5,000 Volts. Ohms ranges of 0-3,000 ohms and 0-300,000 ohms. Milliampere ranges of 10 MA and 100 MA. Hearing aid type ohms adjust control fits conveniently under thumb for one hand adjustment. Banana type jacks for positive low resistance connections. Quality test leads included. The high quality Bradley instrument rectifier was especially chosen for linear scales on AC. The modern case was styled by Barrah Engineering for this instrument. The 400 microampere meter movement comes already mounted in the case protected from dust during assembly. An ideal classroom assembly instrument useful for a lifetime. Perfect for radio service calls, electricians, garage mechanics, students, amateurs and beginners in radio. The only quality volt-ohmmeter under \$20.00. An hour of assembly saves you one-half the cost and quality parts give you a better instrument. Order today. Model M-1. Shipping wt. 2 lbs.

Only \$13.50

## No Alignment necessary with the Heathkit F.M. TUNER KIT



Cabinet  
EXTRA

\$14.75

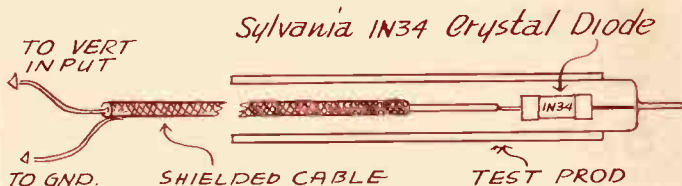
pictorial diagrams and instructions. This kit is an excellent Christmas gift for young men. Model FM-1. Shipping Wt. 4 lbs.

Mahogany cabinet for FM Tuner (extra) No. 323. Shipping Wt. 2 lbs..\$3.75

The Heathkit Superregenerative FM Tuner represents the simplest way of obtaining FM reception--all the difficult work is completed. There are no coils to wind or alignment to make--do the simple wiring and turn it on. The trimmer adjustments are already done and locked. The tuner is AC power transformer operated and can be safely connected to any type receiver or amplifier. Can be assembled in a couple of hours--no need to miss the local FM football and basketball games, yet learn something of FM at the same time. Kit is complete with tubes, coils, transformer, punched chassis, slide rule calibrated dial and simple

## Build this DEMODULATOR PROBE for your Oscilloscope

Any audio modulated RF signal may easily be followed through the RF and IF portions of a receiver with this simple crystal probe. It can be assembled into a test probe and makes a very useful accessory for the Heathkit Oscilloscope.

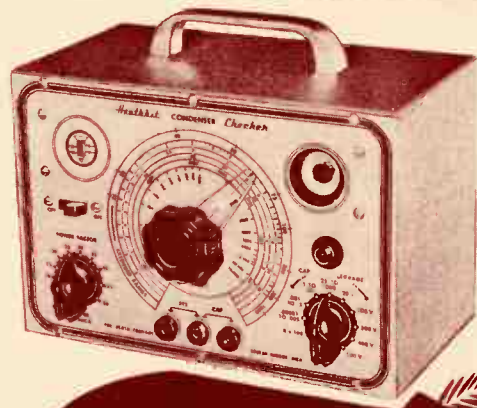


## Thousands of Service Shops test their Condensers on a Heathkit CONDENSER CHECKER KIT

### FEATURES

- \*Power factor scale.
- \*Measures resistance.
- \*Measures leakage.
- \*Checks paper-mica-electrolytics.
- \*Bridge type circuit.
- \*Magic eye indicator.
- \*110V. transformer operated.
- \*All scales on panel.

Checks all types of condensers over a range of .00001 MFD to 1,000 MFD. All on readable scales that are read direct from the panel. NO CHARTS OR MULTIPLIERS NECESSARY. A condenser checker anyone can read. A leakage test and polarizing voltage for 20 to 500 Volts provided. Measures power factor of electrolytics between 0% and 50%. 110 Volt 60 cycle transformer operated complete with rectifier and magic eye tubes, cabinet, calibrated panel, test leads and all other parts. Clear detailed instructions for assembly and use. Model C-1. Shipping Wt. 7 lbs;



\$19.50



*Thousands  
are buying*

*the*

# Heathkit PUSH-PULL EXTENDED RANGE-5" OSCILLOSCOPE KIT

## FEATURES

- \*The first truly television oscilloscope.
- \*Tremendous sensitivity .06 Volt RMS per inch deflection.
- \*Push-pull vertical and horizontal amplifiers.
- \*Useful frequency range to 2½ Mega-cycles.
- \*Extended sweep range 15 cycles to 70,000 cycles.
- \*New television type multivibrator sweep generator.
- \*New magnetic alloy shield included.
- \*Still the amazing price of \$39.50.

The new 1950 Push-Pull 5" Oscilloscope has features that seem impossible in a \$39.50 oscilloscope. Think of it--push-pull vertical and horizontal amplifiers with tremendous sensitivity only six one hundredths of a volt required for full inch of deflection. The weak impulses of television can be boosted to full size on the five inch screen. Traces you couldn't see before. Amazing frequency range, clear useful response at 2½ Mega-cycles, made possible by improved push-pull amplifiers. Only Heathkit Oscilloscopes have the frequency range required for television. New type multivibrator sweep generator with more than twice the frequency range, 15 cycles to 70,000 cycles, will actually synchronize with 250,000 cycle signal. Dual positioning controls will move trace over any section of the screen for observation of any part. New magnetic alloy CR tube shield protects the instrument from the outside fields. All the same high quality parts, cased electrostatically shielded power transformer, aluminum cabinet, all tubes and parts. New instruction manual now has complete step-by-step pictorials for easiest assembly. Model O-5 Shipping Wt. 25 lbs. Order now for this winter's use. Express shipment only.

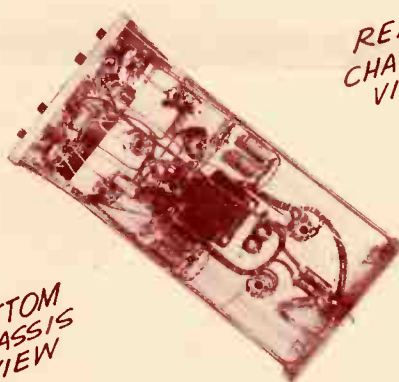
## CONVERSION FOR OTHER MODEL HEATHKIT OSCILLOSCOPES

A conversion for all O-3 and O-4 scopes is available changing them to the new push-pull amplifiers (does not change the sweep generator). Complete kit includes new chassis, tubes and all parts. For a small investment, add the latest improvements to your present oscilloscope (except CR Tube Shield). Shipping Wt. 6 lbs. Order O-5 Conversion Kit No. 315. Specify O-3 or O-4.....\$12.50



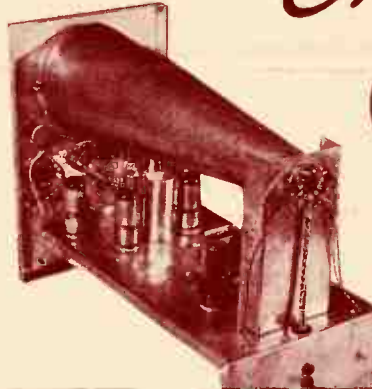
*Only*  
**\$39.50**

*A California Customer  
writes: "Better than  
\$225.00 Factory built  
Scope"*



*BOTTOM  
CHASSIS  
VIEW*

*REAR  
CHASSIS  
VIEW*



## Increase your Scope usefulness with **Heathkit** **ELECTRONIC SWITCH AND SQUARE WAVE GENERATOR KIT**

An electronic switch used with any oscilloscope provides two separately controllable traces on the screen. Each trace is controlled independently and the position of the traces may be varied. The input and output traces of an amplifier may be observed one above the other or one directly over the other illustrating perfectly any change occurring in the amplifier. Distortion, phase shift and other defects show up instantly, 110 Volt 60 cycle transformer operated. Uses five tubes (1 6X5, 2 6SN7's, 2 6BJ7's). Has individual gain controls, positioning control and coarse and fine switching rate controls. The cabinet and panel match all other Heathkits. Every part supplied including detailed instructions for assembly and use. Model S-1. Shipping Wt. 11 lbs.



**\$34.50**

## New Books on OSCILLOSCOPE *Recently Published*

SYLVANIA "How To Service Radios With An Oscilloscope" \$1.00 Order from Sylvania Electric Products, Inc., Advertising Dept. EC, Emporium, Pa.

HICKOK "How To Use The CR Oscilloscope In Servicing Radio and TV" \$1.00 Hickok Electrical Instrument Co., 10514 Dupont Ave., Cleveland 8, Ohio.

RUITER (Du Mont Labs) "Modern Oscilloscopes and Their Uses" \$6.00 Murray Hill Books, 232 Madison Ave., New York 16, N. Y.



If your time is valuable -  
save it with a . . . .  
Heathkit  
**SIGNAL TRACER**  
and TEST SPEAKER KIT



The popular Heathkit Signal Tracer has now been combined with a universal test speaker at no increase in price. The same high quality tracer follows signal from antenna to speaker--locates intermittents--defective parts quicker--saves valuable service time--gives greater income per service hour. Works equally well on broadcast--FM or TV receivers. The test speaker has assortment of switching ranges to match push-pull or single output impedance. Also test microphones, pickups--PA systems--comes complete--cabinet--110V. 60 cycle power transformer--tubes, test probe, all parts and detailed instructions for assembly and use. Model T-2 Shipping Wt. 8 lbs.

**\$19.50**

Heathkit  
**PROBE KITS**

No. 309 R.F. Probe Kit uses 1N34 crystal to measure R.F. voltages with Heathkit VTVM. Will measure accurately to 100 Mc. and give good indication to 250 Mc. Reads on regular DC scales. Shipping Wt. 1 lb.



**\$6.50**

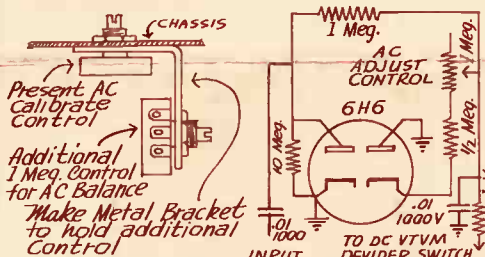


No. 310 Converts any Heathkit (or other 11 meg input) VTVM into a kilovoltmeter. Highly insulated 1% accuracy multipliers. Reads 3,000V. on 300V. scale and 10,000V. on 1,000V. scale--a necessity for television. Shipping Wt. 1 lb.

Only **\$4.50**

ADD NEW V-4 VTVM  
Balanced AC Circuit to  
Model V-1 & V-2 Heathkits

By the construction of a simple bracket and the addition of several parts, this valuable feature can be added to existing Heathkit VTVM's. It gives one zero setting for all functions and practically eliminates meter shift through the various ranges.



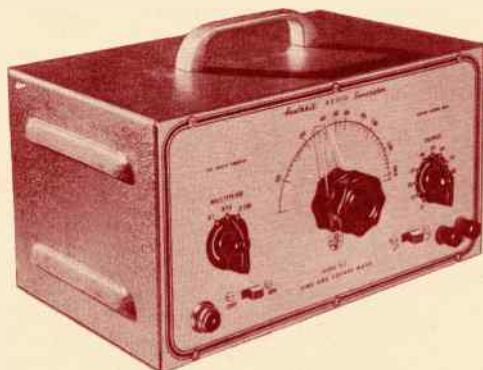
Adjust balance for no meter shift between DC and AC settings on 3 Volt range. Then calibrate AC range. Note: Series resistor in AC calibrate control may have to be removed.

TIPS and COMMENTS

Meissner Manufacturing Company have published a postwar version of their valuable "How To Build" radio manual. It is full of useful information for builders including new postwar data. The price is \$1.00 and it is available from all radio supply houses such as Allied or Concord in Chicago.

O-5 SCOPE OWNERS

O-5 Scope Owners--Two small modifications are recommended in the O-5's shipped to date. One, the grid return resistor O18 in the second vertical and horizontal amplifier tube originally of 470,000 ohms should be changed to 3.3 megohms. The 470,000 1/2 watt resistor O18 at the ground end of the negative voltage divider should be changed to one or two watt. Gradual failure of this resistor causes the focus control position to change and may result in failure to focus.



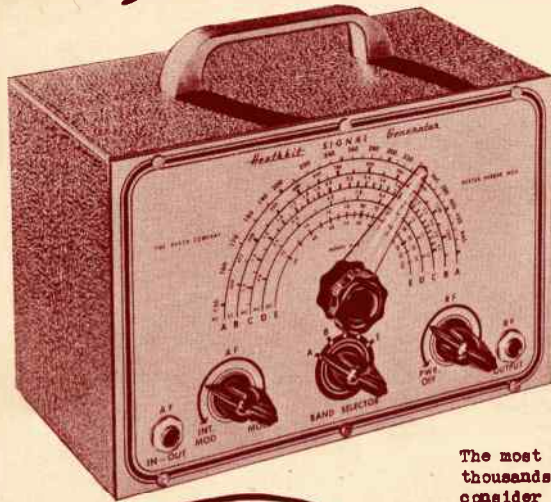
You get two Instruments for one  
as there are both Sine & Square  
Wave Output in the . . . .  
Heathkit  
**AUDIO GENERATOR KIT**

**\$34.50**

Experimenters and servicemen working with a square wave for the first time invariably wonder why it was not introduced before. The characteristics of an amplifier can be determined in seconds compared to several hours of tedious plotting using older methods. Stage by stage, amplifier testing is as easy as signal tracing. The low distortion (less than 1%) and linear output ( $\pm$  one db) make this Heathkit equal or superior to factory built equipment selling for three or four times its price. The circuit is the popular RC tuning circuit using a four gang variable condenser. Three ranges 20-200, 200-2,000, 2,000-20,000 cycles are provided by selector switch. Either sine or square waves instantly available at slide switch. All components are of highest quality, cased 110V. 60 cycle power transformer. Mallory F.P. filter condensers, five tubes, calibrated two color panel, grey crackle aluminum cabinet. The detailed instructions make assembly an interesting and instructive few hours. Model G-2 Shipping Wt. 12 lbs.



# New 1950 Vernier Tuning Heathkit SIGNAL GENERATOR KIT



## Features

- \*New 5 to 1 ratio vernier tuning for ease and accuracy.
- \*New external modulation switch--use it for fidelity testing.
- \*New precision coils for greater output.
- \*Cathode follower output for greater stability.
- \*400 cycle audio available for audio testing.
- \*Most modern type R.F. oscillator.
- \*Covers 150 Kc. to 34 Mc. on fundamentals and calibrated strong harmonics to 102 Mc.

The most popular signal generator kit has been vastly improved--the experience of thousands combined to give you the best. Check the features in this fine generator and consider the low price of \$19.50. A best buy for any shop, yet inexpensive enough for hobbyists. Everyone can have an accurate controlled source of R.F. signal voltage.

The new features double the value--think of being able to make fidelity checks on receivers by inserting a variable audio signal. Internal 400 cycle saw-tooth audio oscillator modulates R.F. signal and is available externally for audio testing. The new 5 to 1 ratio vernier drive gives hairline tuning for maximum accuracy in scale settings. The coils are already precision wound and calibrated. Uses turret type coil and switch assembly for ease of construction. The generator is 110V. 60 cycle transformer operated and comes complete in every detail--cabinet--tubes--coils--beautiful two color calibrated panel and all small parts--new step-by-step pictorial diagrams and complete instruction manual make assembly a cinch even for novices. Why try to get along without a signal generator when you can have the best for less than a twenty dollar bill. Better order it now. Model G-5. Shipping Wt. 7 lbs.

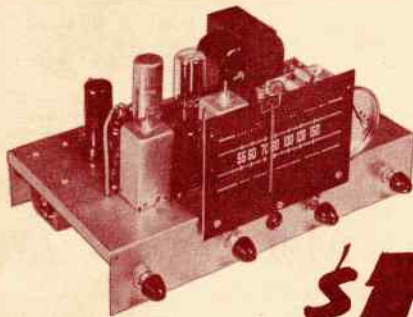
### CONVERSION KIT FOR G-1 GENERATORS

Conversion Kit for G-1 Generators for vernier tuning and external modulation includes new high band coil for greater output. Gives all the features of new G-5 listed above. Order G-5 Conversion Kit No. 316. Shipping Wt. 2 lbs. ....\$4.50

**\$19.50**

*Two new Receiver Kits at prices you can afford....*

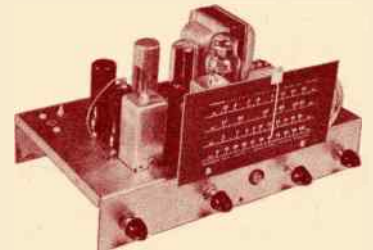
## BROADCAST MODEL BR-1 550 to 1600 Kc.



## New Heathkit Broadcast and 3 Band SUPERHETERODYNE RECEIVER KITS

## 3 BAND MODEL AR-1 550 Kc. to 20 Mc.

Two new Heathkit Superheterodynes featuring the best of design and material. Beautiful six inch slide rule dials--110V. 60 cy. AC power transformer operated--metal cased filters--quality output transformers, dual iron core metal can IF transformers--two gang tuning condenser. The chassis is provided with phono-radio switch--110V. outlet for changer motor and phono pickup jack. Each kit is complete with all parts and detailed instruction booklet. Pictorial diagrams and step-by-step instructions make assembly quick and easy.



**\$19.50**      **\$23.50**

Ideal AC operated superheterodyne receiver for home use or replacement in console cabinet. Comes complete with attractive metal panel for cabinet mounting. Modern circuit uses 12K8 converter, 12SH7 input IF stage, 12C8 detector stage and first audio 12A6 beam power output stage, 5Y3 rectifier. Excellent sensitivity for distant reception with selectivity which effectively separates adjacent stations.

The husky 110V. cased power transformer is conservatively rated for long life.

The illuminated six inch slide rule dial is accurately calibrated for DX reception. Enjoy the pleasure of assembling your own fine home receiver. Has tone, volume, tuning and phono-radio controls. Chassis size 2 1/4" x 7" x 12 1/2". Comes complete with all parts including quality output transformer to 3.4 ohm voice coil, tubes, instruction manual, etc. (less speaker). Shipping Wt. 10 lbs. No. BR-1 Receiver \$19.50.

No. 335 Communications Type Table Model Metal Cabinet.....\$4.50  
No. 320 High Quality 5" FM Speaker for above.....\$2.75

Enjoy the thrill of world wide short wave reception with this fine new AC operated Heathkit 3 band superheterodyne--amazing sensitivity 15 microvolt or better on all bands. Continuous coverage 550-Kc. to over 20 Mc. Easy to build with complete step-by-step instructions and pictorial diagram. Attractive accurately calibrated six inch slide rule dial for easy tuning. Six tubes with one dual purpose tube gives seven tube performance. Beam power output tube gives over 3 watts output.

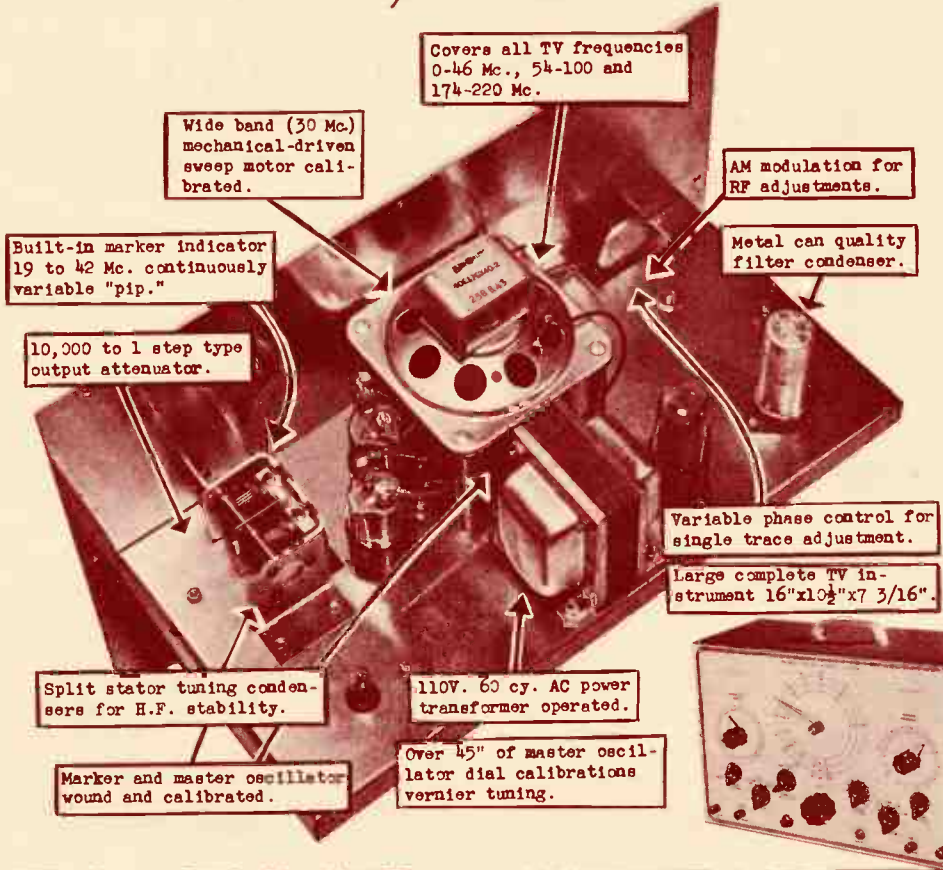
Separately assembled coil turret with band switch eliminates difficult construction. Conservatively rated 110V. power transformer supplies full operating voltages to all tubes for maximum reception. Has band switch tuning, volume, tone and phono-radio controls. Chassis size 2 1/4" x 7" x 12 1/2"--supplied complete--punched chassis--tubes--controls--transformers (quality output to 3.4 ohm voice coil)--all small parts--hardware and instructions (less speaker). Shipping Wt. 10 lbs. No. AR-1 Receiver \$23.50.

No. 335 Communications Type Table Model Metal Cabinet.....\$4.50  
No. 320 High Quality 5" FM Speaker for above.....\$2.75



*Your best bet for T.V. - A Sweep Generator - Marker, Indicator and A.M. - T.V. generator - all Combined in the...*

# Heathkit TELEVISION GENERATOR KIT . . . . .



Covers all TV frequencies 0-46 Mc., 54-100 and 174-220 Mc.

Wide band (30 Mc.) mechanical-driven sweep motor calibrated.

AM modulation for RF adjustments.

Built-in marker indicator 19 to 42 Mc. continuously variable "pip."

Metal can quality filter condenser.

10,000 to 1 step type output attenuator.

Variable phase control for single trace adjustment.

Split stator tuning condensers for H.F. stability.

110V. 60 cy. AC power transformer operated.

Large complete TV instrument 16"x10 1/2"x7 3/16".

Marker and master oscillator wound and calibrated.

Over 45" of master oscillator dial calibrations vernier tuning.

The Heathkit TV Alignment Generator is used by TV manufacturers--acclaimed by leading radio schools as equal to factory built instruments selling for many times the Heathkit price.

The television business is booming--better get your share of the profits. Check the features: A complete sweep generator, absorption type variable marker indicator, wide range AM generator for TV R.F. alignment. Actually three TV instruments in one. Use with your oscilloscope and be ready for your share of the business. Model TS-1A. Shipping Wt. 20 lbs.

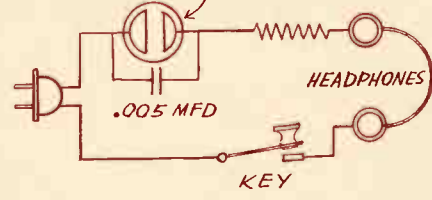
**ALL FOR \$39.50**

*Equip your shop for T.V. Profits*

## Simple Code Practice Set

NE16 NEON BULB

This is the simplest code practice set we have ever seen. It was suggested by B. R. McIlvain of McMechen, W. Va. Care should be used as it is connected directly to the 110V. A.C. Both the key and headphones should be well insulated.



## Quality TELEGRAPH KEY

A husky telegraph key for code practice or amateur use. This is an army surplus key of best quality--heavy Bakelite base and all parts of brass--has switch and binding posts



Cost government many times our price. Shipping Wt. 1 lb. No. 319 Key..\$1.95

**\$1.95**

*Get this husky 6 Volt bench Power Supply and forget your Battery worries*

## Heathkit BATTERY ELIMINATOR KIT



Even the smallest shop can afford the Heathkit Battery Eliminator Kit. A few auto radio repair jobs will pay for it. It's fast for service, the voltage can be lowered to find sticky vibrators or raised to ferret out intermittents. Provides variable DC voltage 5 to 7 1/2 Volts at 10 Amperes continuous or 15 Amperes intermittent. Also serves as storage battery charger. Ideal for all auto radio testing and demonstrating.

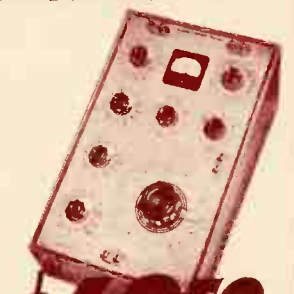
**\$22.50**

A well filtered rugged power supply uses heavy duty selenium rectifier, choke input filter with 4,000 MFD of electrolytic filter for clean DC. 0-15V voltmeter indicates output which is variable in eight steps. Easily constructed in a few hours from our instructions and diagrams--better be equipped for all types of service--it means more income. Model BE-1. Shipping Wt. 19 lbs.

*Every Shop can have laboratory accuracy with*  
**Heathkit IMPEDANCE BRIDGE KIT**

Measures inductance from 10 microhenries to 100 henries, capacitance from .00001 MFD to 100 MFD. Resistance from .01 ohm to 10 megohms. Dissipation factor from .001 to 1. "Q" from 1 to 1,000.

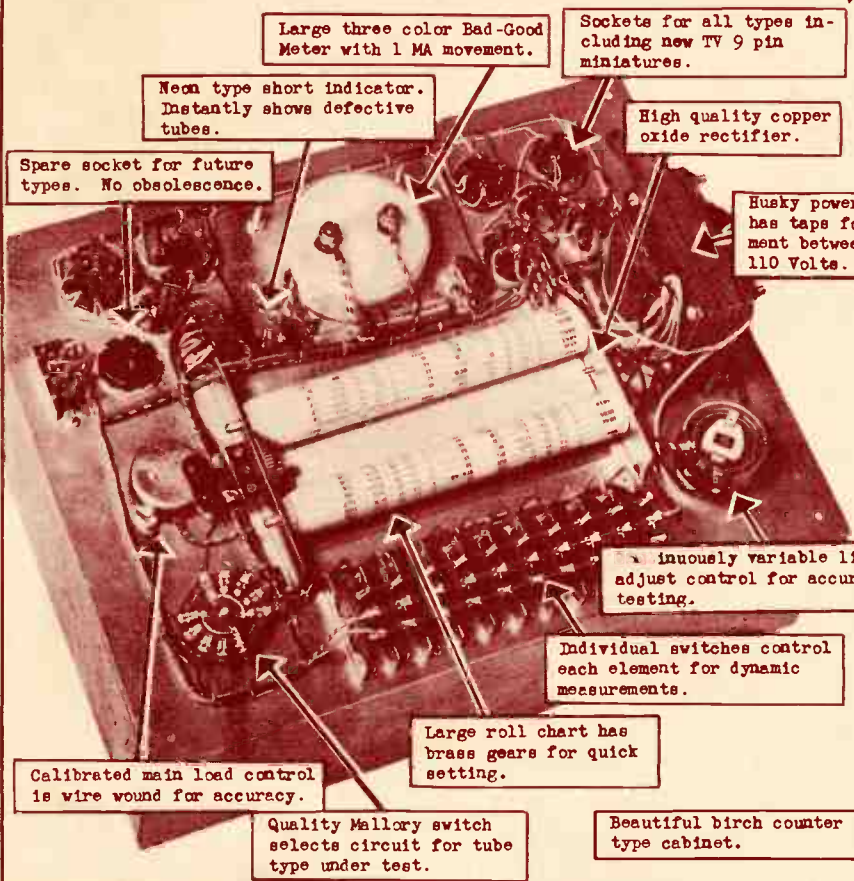
An impedance bridge for everyone--the most useful instrument of all. Now at the lowest price possible. All highest quality parts. General Radio main calibrated control. General Radio 1,000 cycle hummer. Mallory ceramic switches with 60 degree indexing--1/2 of 1% ceramic non-inductive decade resistors. Professional type binding posts with standard 3/4" centers. Directly calibrated "Q" and dissipation factor scales. Ready calibrated standards of Silver Mica, accurate to 1/2 of 1%. Provisions on panel for external generator and detector.



**\$69.50**

Internal 6 volt battery for resistance and hummer operation. Circuit utilizes Wheatstone, Hay and Maxwell circuits for different measurements. Supplied complete with every quality part--all calibrations completed and instruction manual for assembly and use. Model No. IB-1 Shipping Wt. 15 lbs.

# Look at the Quality and Speed of Operation in the Heathkit DYNAMIC TUBE CHECKER KIT



Large three color Bad-Good Meter with 1 MA movement.

Sockets for all types including new TV 9 pin miniatures.

Neon type short indicator. Instantly shows defective tubes.

High quality copper oxide rectifier.

Spare socket for future types. No obsolescence.

Husky power transformer has taps for every filament between 3/4 Volt and 110 Volts.

Continuously variable line adjust control for accurate testing.

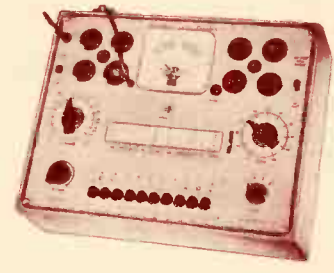
Individual switches control each element for dynamic measurements.

Large roll chart has brass gears for quick setting.

Calibrated main load control is wire wound for accuracy.

Quality Mallory switch selects circuit for tube type under test.

Beautiful birch counter type cabinet.



Test your tubes the modern way. The Heathkit has the speed that saves time and yet the flexibility of checking every element for either open or shorted condition.

Study the features--every one you want and would not expect for less than twice our price.

A tube checker will pay for itself in a short time--better get this profitable piece of equipment. Model TC-1 Shipping Wt. 12 lbs.

*The only Tube Checker with Roller Chart for Only* **\$29.50**

## ORDER BLANK

*To* HEATH COMPANY  
BENTON HARBOR,  
MICHIGAN

*From* \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Ship via  
\_\_\_\_ Parcel Post  
\_\_\_\_ Express  
\_\_\_\_ Freight  
\_\_\_\_ Best Way

PLEASE PRINT

QUANTITY	ITEM	PRICE	QUANTITY	ITEM	PRICE
_____	Heathkit Impedance Bridge Kit _____	_____	_____	Heathkit Signal Generator Kit Model G-5 _____	_____
_____	Heathkit Television Alignment Gen. Kit _____	_____	_____	No. 316 Signal Gen. Conversion Kit _____	_____
_____	Heathkit Signal Tracer Kit _____	_____	_____	Heathkit Battery Eliminator Kit _____	_____
_____	Heathkit VTVM Kit Model V-4 _____	_____	_____	Heathkit Condenser Checker Kit _____	_____
_____	No. 309 R.F. Probe Kit _____	_____	_____	Heathkit Handitester Kit _____	_____
_____	No. 310 H.V. Probe Kit _____	_____	_____	Heathkit Broadcast Receiver Kit Model BR-1 _____	_____
_____	Heathkit FM Tuner Kit _____	_____	_____	Heathkit Three Band Receiver Kit Model AR-1 _____	_____
_____	Heathkit Tube Checker Kit _____	_____	_____	No. 318 Farnsworth TV Tuner _____	_____
_____	Heathkit Three Tube Radio Kit Model K-2 _____	_____	_____	No. 319 Quality Telegraph Key _____	_____
_____	Heathkit Oscilloscope Kit Model O-5 _____	_____	_____	_____	_____
_____	No. 315 Oscilloscope Conversion Kit _____	_____	_____	_____	_____
_____	Heathkit Elec. Switch & Sq. Wave Gen. Kit _____	_____	_____	_____	_____
_____	Heathkit Audio Generator Kit _____	_____	_____	_____	_____

Include postage for weight shown and insurance.  
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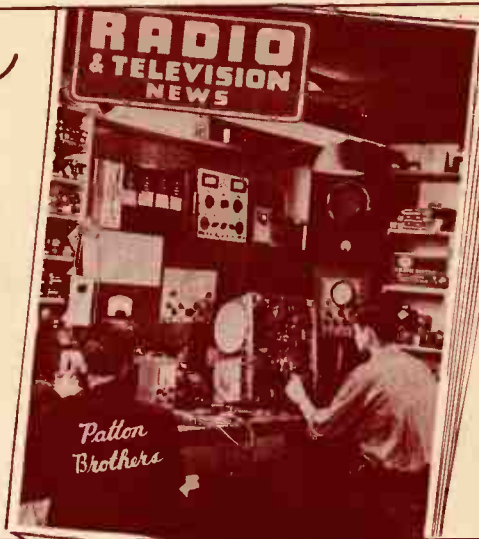
# Heathkits Receive National Recognition . . . . .

Sept. Issue "Radio-Television News" features Four Heathkits in Full Color on Cover . . . . .

Additional proof of the quality and high regard for Heathkits was shown in their selection as a color cover feature of the leading radio publication of the world, RADIO AND TELEVISION NEWS.

The picture shows the modern GE service shop of Patton Bros. using the Heathkit TV Alignment Generator and Oscilloscope to align a GE TV receiver. Also in use are a Heathkit VTVM and Battery Eliminator.

A feature article of the same issue covered the design and use of the Heathkit TV Alignment Generator.



## Heathkit <sup>3 TUBE</sup> ALL-WAVE RADIO KIT

(Cabinet) EXTRA



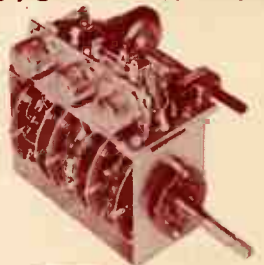
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- HS30 Headphones, per set..... \$1.00  
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- Mahogany Cabinet..... \$2.95  
Shipping Wt. 2 lbs.

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Farnsworth TV Tuner adjusts to any 8 channels. Rotary switch type with fine tuning control. Uses 6BA6RF 6AG5 mixer, 6V6 oscillator tubes (not supplied). Wiring diagram included. Have fun this winter experimenting with television. This well built tuner uses ceramic sockets--best of ceramic condenser and has individual slug tuned coils for each band. Quantity limited. Order now. No. 318. Shipping wt. 3 lbs.



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