

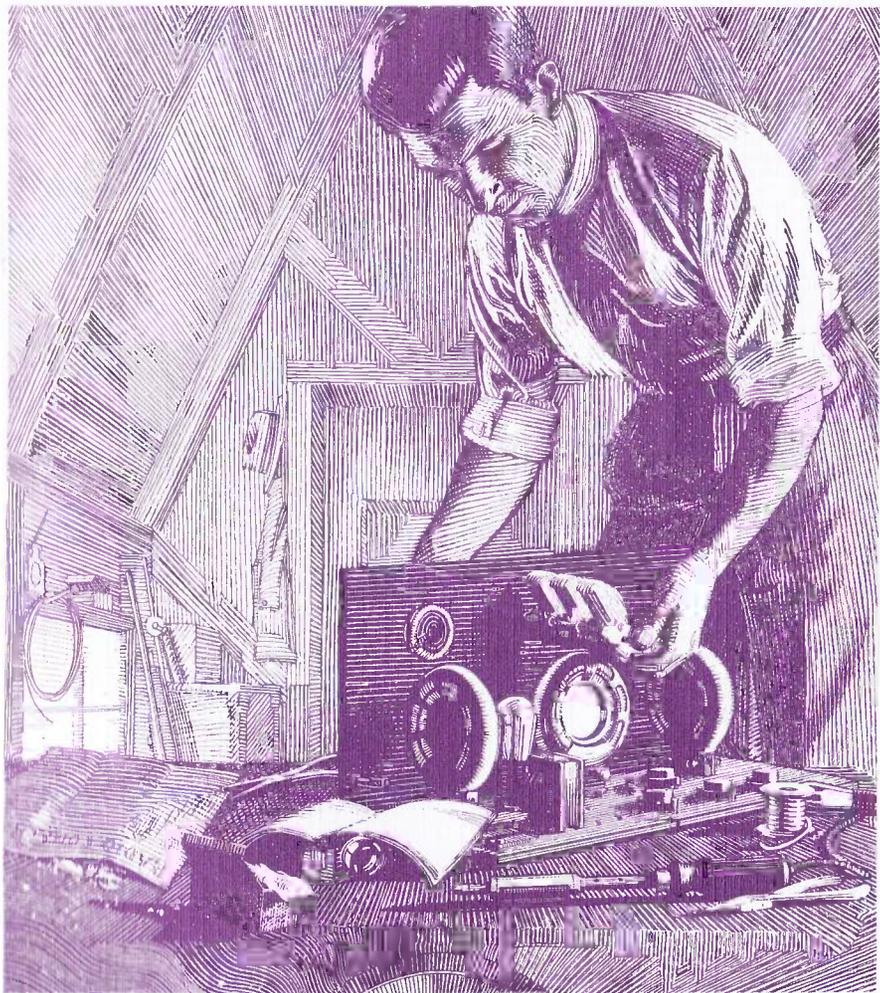


ANTIQUE RADIO CLASSIFIED

VOLUME 4

JANUARY 1987

NUMBER 1



THE NATIONAL PUBLICATION FOR BUYERS AND SELLERS
OF OLD RADIOS AND RELATED ITEMS - PUBLISHED MONTHLY

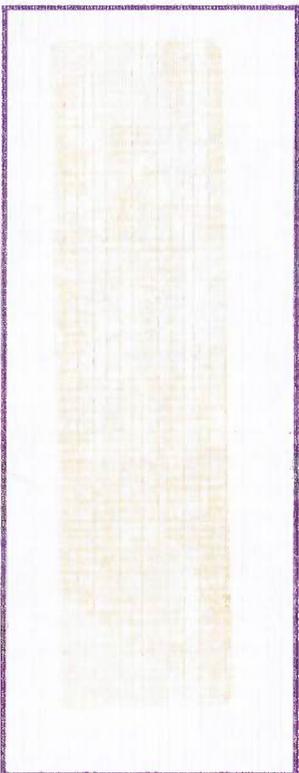


ANTIQUE RADIO CLASSIFIED

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ANTIQUE RADIO CLASSIFIED

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Publisher and Editor - John V. Terrey
Assistant Editor - Gary B. Schneider
Founding Publisher/Editor - Gary B. Schneider

Purpose

Antique Radio Classified is published for people involved in the radio collecting hobby. Its purpose is to stimulate growth of the hobby thru the buying, selling, and trading of radios and related items. In addition, there will be coverage of upcoming radio conventions, meets, flea markets, etc. Other items of interest to collectors will be included in issues as material or suggestions are received.

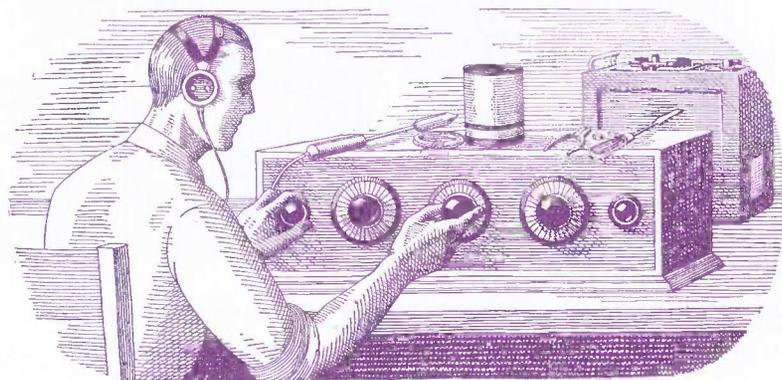
Display Ad Rates

Antique Radio Classified accepts display advertising from companies that provide a product or service to the radio collecting hobby. As artwork is reduced 35% when printed, original should be 1.54 times the desired finished size and must be camera ready artwork. Original size areas are available as follows:

Full Page	10-1/2" H x 7-1/2" W	\$45.00
Half Page	5-1/4" H x 7-1/2" W	22.50
1/4 Page	5-1/4" H x 3-3/4" W	11.25
1/8 Page	2-5/8" H x 3-3/4" W	5.75
Business Card	1-5/8" H x 3-1/4" W	3.90

Full page ads may be vertical or horizontal format. Multiple insertions for 3 months qualify for a 10% discount.

All artwork must be received by the 1st of the month to be included in the following month's issue.



Classified Ads

Each subscriber is entitled to one 20 word classified ad free of charge per issue. Additional words over the limit are 10¢ per word. Multiple insertions of same ad are discouraged. This is to allow for a varied ad content in each issue. Multiple insertion ads for more than 2 issues must be run as a display ad. All ads must be printed neatly and be received by the 8th of the month before next issue. See classified ad details elsewhere in this issue.

Payment

All ads must be paid for in advance. Make checks payable to Antique Radio Classified.

Subscription Rate

Subscriptions are available on a yearly basis. \$18.00 per year Second Class and \$24.00 First Class mailing rates. Sample issues: \$2.00.

Submission of Material

Antique Radio Classified welcomes and solicits any information that pertains to the radio collecting hobby. This may include material such as upcoming radio events, meetings, radio books and publication reviews, new radio clubs and organizations, radio auctions and price reports, sources of old radio material and restoration supplies, and any other material that would be of interest to the hobby. All material submitted should be typewritten and verified for accuracy.

Change of Address

Notification of change of address should be made well in advance to receive uninterrupted copies of Antique Radio Classified. Do not depend on the Post Office to let us know.

Fine Print

The publisher is not responsible for any buying and selling transactions incurred by readers thru the content of this publication.

Antique Radio Classified subscription and ad rates subject to change, as well as frequency of publication, content, and size.



EDITOR'S COMMENTS

Welcome to the New Year and to Volume 4 of Antique Radio Classified. Another 32-page issue is in your hands.

The lead article this month tells the story of the restoration of a Philco console radio. Even if you are "not into consoles" David Kraeuter has a tip or two for you. Howard Stone continues his British Crystal Set series covering the circuits types found in the early sets. Alan Douglas describes RCA's 1925-26 product line emphasizing the Radiola Model 20. The Photo Review returns along with installments of David Crocker's Crosley Review and Gil Schleman's Telegraph Review. Ed Taylor reviews a reprint of Gernsback's *Official Radio Service Manual* and Gary Hill contributes a Radio Trivia Crossword Puzzle.

"Why do I get calls about my ad before I get my issue?", is a question often asked. Subscribers have the option of receiving their issues either by Second Class mail (this is how most magazines are mailed) or by First Class mail (at an extra charge). The mailing of First Class copies is staggered over two or three days with the West Coast and foreign copies mailed on the first day. North-East copies are mailed on the last day along with all of the Second Class copies (the post office requires all Second Class to be mailed together). Most First Class copies are received within a day or two after the last mailing. Second Class copies are received about a week to ten days later. This is the reason that those of you receiving copies by Second Class mail can get calls about your ads a week or more before you receive your issue.

A.R.C. continues to review its mailing schedule so if you report the day you received your issue when you send in your ad, the information can be used to determine the best mailing schedule. Please include your Sub# also.

You may have noticed that there are more pages of articles in this 32-page issue of A.R.C. than in any previous issue. Thanks are due to all who have contributed the fine articles, long and short, reviews, photos and letters. Advertising, both classified and display, has also made these larger issues possible. If past trends are a good judge, the 1987 A.R.C. will continue at 32-plus pages; articles, photos, letters, hints, tips, questions, answers, club news, etc. are needed to fill the pages. Along with your winter restoration and other projects, keep A.R.C. in mind.

Happy New Year.

John V. Terrey

MISCELLANY

This is the last issue for those with EXP = 8702. If your subscription has expired, please send a check to A.R.C., P.O. Box 2, Carlisle, MA 01741. Rates for one year, twelve issues are:

\$18.00	U.S. Second Class Mail
\$24.00	U.S. First Class Mail
\$24.00	Canada & Mexico
\$33.00	Other Foreign, Air Mail

TUBE VALUE GUIDE SURVEY

A.R.C. is conducting a tube value survey. This is your last chance to send a SASE to A.R.C., P.O. Box 2, Carlisle, MA 01741 for your survey form. Results will be published in a future issue. Thanks goes to those of you who have already sent for your survey.

CLASSIFIED AD CLOSING DATES

February, 1987 Issue	January 10
March, 1987 Issue	February 10
April, 1987 Issue	March 10

Display ads close on the first of the month. Typesetting is encouraged for display ads and, if requested, costs only 1/2 of the first month's rate. Business card ads also can be typeset. Late ads are accepted if time and space permits.

COUNTING CLASSIFIED ADS

Name & address are 6 words. The following each count as one word: telephone number with area code, ham call letters, For Sale/Trade/Wanted/etc. Cash or stamps are OK for payment of small amounts for additional words.

ON THE COVER

The drawings on this month's cover and on these pages hint at an indoor activity for the coming cold winter days and nights. Certainly all of us have a few sets which "need a little work" or an old-time construction project that has been put off for many months. Another observation can be made from the cover drawing: the clean work bench and lack of piles of radios against the walls and rafters probably places this scene in the past and not in one of today's collector's work rooms. Perhaps we can take at least one hint from the past and get some of those old sets working!





WITH THE COLLECTORS

CONTRIBUTED BY: DAVID KRAEUTER, 506 E. WHEELING ST., WASHINGTON, PA 15301

RESTORING A PHILCO 38-3

or,

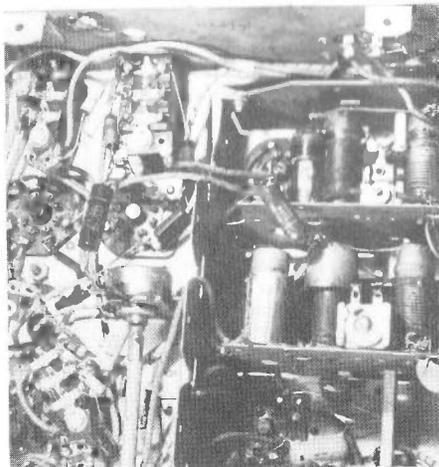
Two Lessons Painfully Learned

Here was the deal: I, who know nothing about woodworking or refinishing, would do the electronic work. My friend, who owned the radio but knew little about electronics, would do the cabinet restoration.

Right from the start it was obvious that new filter capacitors were needed, and while I was at it I also replaced all the paper coupling and bypass caps, some of which had wax leaking from them. I did other routine jobs, such as spraying the switch contacts with cleaner, before the set was even plugged into the variable isolation transformer. Then I slowly took the line voltage up to 117VAC. The new filters had eliminated the hum all right, but a full sweep of the broadcast band netted only one local station weakly, even with a 75-foot outdoor antenna connected. After a lot of "try this" and "try that" I settled down to a systematic approach with my signal tracer. This seemed to indicate a break in the signal path very near the antenna, and I finally made a resistance check of the primary winding of the antenna coil. It was completely open.

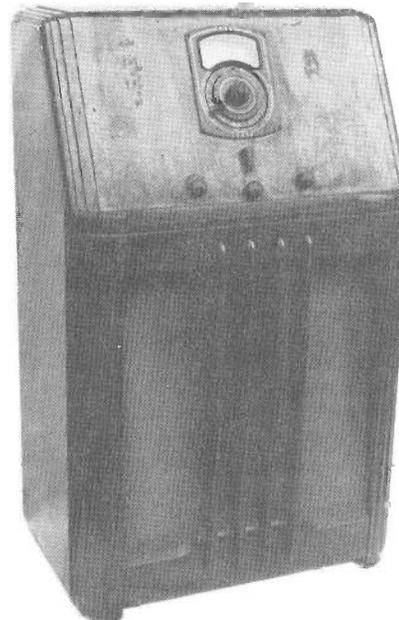
Right about here was the first time I was ready to quit. That coil was buried so deeply in the chassis that I assumed I couldn't get it out at all, to say nothing of locating and installing a replacement. Nevertheless, I set aside a Sunday afternoon and tackled the job. In about an hour I had the coil out, and quickly found and repaired the break located at one of the terminals. Another two hours got the coil back in and connected, without disturbing any of the short-wave coils next to it. I was happy with the fix, but not entirely pleased, however, when I turned on the set and found that now it got only the two local stations. Suddenly this set was perilously close to crossing the fine line between being an interesting challenge and being a tough dog.

At this point I made a big mistake. I assumed that since the antenna coil had just been fixed, the problem must lie elsewhere. And I looked elsewhere for many hours, steadfastly avoiding that coil. Finally, I came back to it and noticed that the resistance of the primary winding was not the .7 ohm listed on the schematic, but only .3 ohm. It was very easy at this point to tell myself, as I have many times in the past, that the schematic was wrong or that my ohmmeter was not sensitive enough to make that distinction with accuracy. Only much later did I take another afternoon off, pull the coil from the set again, and discover the truth—that the primary winding had several shorted turns. Here was a case of a winding that had been both open AND



Two multi-section bypass capacitors (upper left) in the Philco 38-3 chassis. The mounting bolts also serve to ground one side of each capacitor. Note the rewound R.F. coils at center right. (Photo by Lance Funderburk)

shorted! I removed the entire winding, counting the turns as I did, and put a new winding on with some fine enameled copper wire. This time I was able to install the coil in about one hour, and the set then brought in many stations.



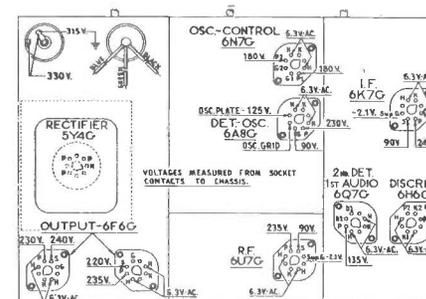
The Philco Model 38-3 that taught the author so much. (Photo by Lance Funderburk.)

The second painful lesson I learned with this radio was one of the classics: Never attempt to fix something that isn't broken. Early in my work on the set I was unable to locate in the chassis certain bypass capacitors shown on the schematic. I convinced myself that the set must have gone through the production line on a Monday morning, and I added the capacitors that I thought had been left out. It was easy to do, for the new capacitors could all be attached to the lugs of what I took to be an early type of terminal strip. These black Bakelite parts, bolted to the chassis, were about the size and shape of a "C" cell. And I was on the verge of calling my friend to pick up the radio when I noticed that the bass of the audio was undeniably distorted at medium to high volume levels, and totally absent at low volume. I put the chassis back on the bench and signal traced and measured the audio circuits endlessly. I replaced biasing and dropping resistors that "just looked" bad, even though my meter said they were

good. But the bass was still definitely "mushy". By this time the set certainly fell into the tough dog category, but since no one was in a hurry, I called upon my world-famous technique for dealing with tough dogs. I simply walked away from it for a few months.

At last I got tired of seeing the chassis and cabinet sitting around. Now I wanted them out of the house. I started trouble-shooting again, and was tempted many times to return the set "as is". But I persisted, and I guess you can imagine what I had to say to myself when I finally realized that those "early terminal strips" were, in fact, capacitors, and how foolish but happy I felt when I removed the capacitors I had added and discovered that the distortion was then completely cured!

Had I been maybe ten years older or a little more attentive to the parts pictorial, I may not have had this experience. But now that it's over I'm glad I did. I will NEVER make that mistake again. (David Kraeuter, 506 E. Wheeling St., Washington, PA 15301) (GBS)



PHILCO MODEL 38-3

Look to your TUBES! if you want better reception

With a Sterling Tube Tester, you can instantly find out whether reception that has become weak in volume or poor in quality is due to low plate current in your tube.

And don't forget that a single weak tube may practically ruin your results. Sterling Tube Testers are also valuable for locating other set troubles. They plug right into your tube sockets.

The Sterling "Metered" Tube Reactivator will reset weak and over-worked filaments in your tubes. Because it is non-destructive, it will tell you when filaments need treatment and just how good they are afterward. There is no guess work.

Save tube expense, and get more dependable reception by restoring your tubes at home with Sterling's Radio Specialists.

Sterling Tube Tester
 R-399 for small tubes \$10.00 (50-60 tubes) \$17.50
 R-401 for large tubes 9.50 (25-30 tubes) 14.00

Ask your dealer or write the factory.

THE STERLING MFG. CO.
 Cleveland Ohio
 Dept. H

Sterling
 TUBE TESTERS 2222
 TUBE REACTIVATORS


**COLLECTING BRITISH
CRYSTAL SETS**


Collecting British Crystal Sets is a multi-part series of articles designed to acquaint the reader with this specialized aspect of the radio hobby, one that many collectors find interesting due to the many unusual types of sets produced in England. The author, Howard W. Stone, welcomes additional comments or information concerning British Crystal Sets. When writing please enclose a S.A.S.E. for reply. Howard W. Stone, 2825 6th Avenue, Fort Worth, Texas 76110... (Copyright 1986 - Howard W. Stone)

PART II. THE TECHNOLOGY OF BRITISH CRYSTAL SETS

The first radios many of us experimented with as children were crystal sets. Not that we are so old (most of us were born well after vacuum tubes made the scene), but many young lads or lasses constructed their own sets out of cardboard tubes, number 24 wire, and a crystal of some sort. The first one I made did not receive the broadcast band as I intended, but picked up a strange signal which my father was able to identify as a longwave transmission from the local naval air station. After a little readjusting with my dad's help, WCCO in Minneapolis came in loud and clear.

When official broadcasting began in the U.K. in 1922, there were already 600,000 radios in use in the United States. At about this time in Britain there were some 18,000 license holders with receivers. This impelled a number of entrepreneurs into the business of making crystal sets. Existing electrical manufacturers jumped into the production of radios immediately, but, as in the United States, there were other manufacturers unrelated to electrical components who joined the business. Motorcycle and rubber manufacturers were among the most common non-electrical companies making radios.

Most crystal sets were put together following established schematics from existing parts made by a few major electrical companies. The panels of these sets generally were ebonite - a hard, usually black insulating material made primarily from rubber that had been vulcanized. The cases of the early crystal sets were quite varied. The most common were of mahogany or walnut, with a few less expensive models in oak. Some of these early sets are quite stunning. Most of the cases were not made by the radio manufac-

turers but were contracted out to cabinet-makers. This may explain their high quality; many had decorative moldings and intricate joints. Other sets, like the Marconi Crystal Junior and Crystal A, have rexine-covered plywood cases. The Brownie #2 and #3 have molded ebonite cases, while the main body of the Brownie "Tube" is simply a cardboard tube. There also are some exotic crystal sets like The Listener, in the shape of a book, by Kenmac and the "Vest Pocket" matchbox set by Radiox.

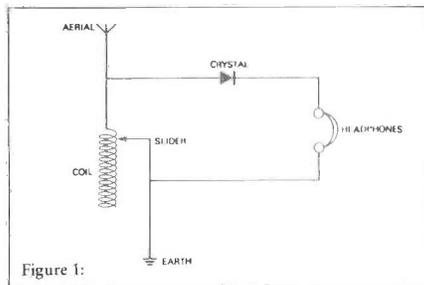


Figure 1:

The technology of British crystal sets varied from a primitive circuit similar to my childhood set to the very sophisticated, such as the one used by the Gecophone No. 2. The number of different circuits used was quite varied. For example, the November issue of *Wireless Magazine* lists 12 common circuits, but only a few months later the April edition lists ten different schematics using only slider tuning. Most commercial sets had one of four basic tuning circuits. Perhaps the most simple and inexpensive to manufacture was based on the slide coil circuit (Fig. 1). It was nothing more than a coil of wire wrapped onto a tube, with a slider making contact with one side of the coil and a crystal detector of some

sort. Commercial sets can be found with designs calling for one or two sliders, but a few homebuilt sets of the time used up to three. This circuit was not as effective as one might want because of the "dead end effect". Since not all of the coil was used for reception, some of the energy from the antenna was wasted on the dead end.

A few of the sets using this slide coil circuit were the Fellocryst by Fellows Magneto Company; the Broadcaster No. 1 by Gamage; and the Master Junior by Master Radio. Probably the most common sets to use this circuit, however, were produced by Brownie: the "Tube", No. 2, and No. 3.

A second type of circuit used the "variometer." The variometer tuning circuit consisted of two coils connected in series with one of the coils rotated inside the other. When they were rotated, the antenna current flowed and the magnetic fields of the coils either helped or resisted one another.

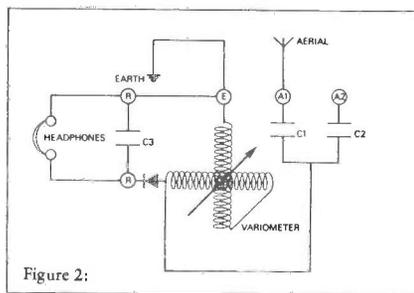


Figure 2:

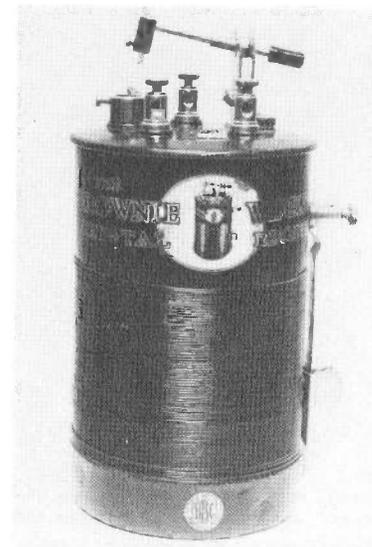
Rotating inductance tuning was used by a number of manufacturers. The Western Electric 44001 (like the W.E. Aeriola Junior in the States), produced in 1922, used the variometer (see Fig. 2 for schematic). Examples of other sets to use the variometer are the "Bijou" by British Thomson-Houston, the Gecophone No. 1 by General Electric Co., and the Walmore Set.

(Continued)

BROWNIE WIRELESS - (des: James William Barber), by J.W.B. Wireless Co., October 1923. BBC/PMG stamp, GPO Reg. No. 4155. Crystal set for headphone use, open cat's whisker/galena detector, Medium Wave, slide coil tuning, black ebonite control panel, nickel-plated fittings, black enameled tuning coil wound around a hollow cardboard body, 6 1/5 inches high x 3 1/4 inches diameter (body only). 7s.6d + 1s.0d B.B.C. royalty. (Photo courtesy Jonathan Hill, England.)



WESTERN ELECTRIC MODEL 44001 - by Western Electric Co. Ltd., Winter 1922. BBC/PMG stamp, GPO Reg. No.134. Crystal set for headphone use, open Perikon detector, variometer tuning, MW, nickel-plated fittings, black painted wood control panel, mahogany cabinet with headphone compartment and lift-up lid containing instructions. Size is 7 x 8 1/2 x 7 1/2 inches (closed). Very similar to "Aeriola Junior" by Aeolian Co. Ltd. and "Cosmos Radiophone" by Metropolitan Vickers Electrical Co. Ltd. In 1923, Western Electric brought out a matching 2-valve Weconomy LF amplifying unit fitted into the headphone compartment of the Model 44001 and enabled it to drive a horn loudspeaker. (Photo courtesy Jonathan Hill, England.)



A third circuit, *tapped inductance*, was popular with some companies (see Fig. 3). A coil of about one hundred turns of wire was tapped at intervals. By rotating a switch, different taps could be selected to help achieve the desired wavelength. Tuning proceeded by moving from one tap to another while rotating the variable capacitor until the desired station came in loudest. Examples of sets which used this circuit are the early 1922 radio by A.W. Gamage, the Sterling No. 1 by Sterling Telephone and Electric Co., the Ediswan 1923B by Edison Swan Electric Co., and the Revophone by Cable Accessories.

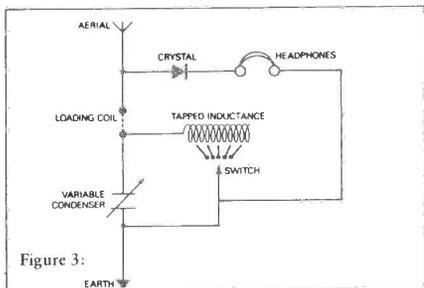
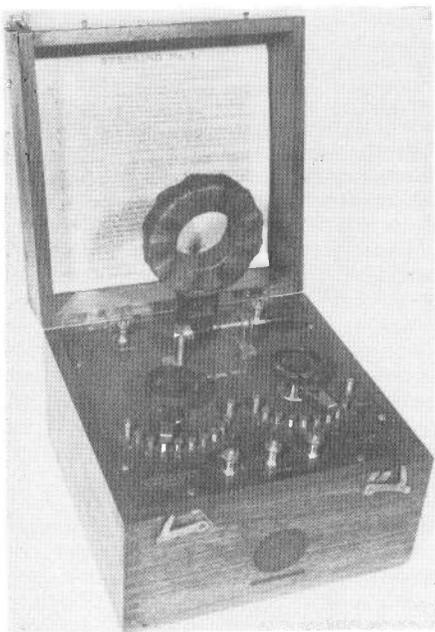
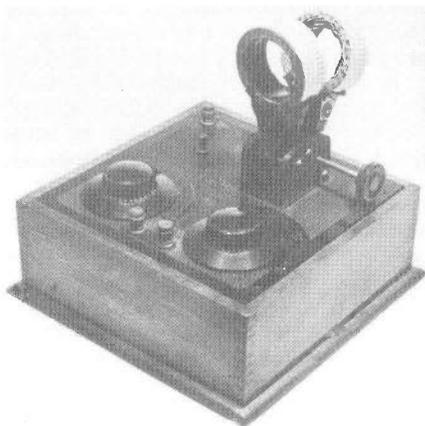


Figure 3:



STERLING No.1 CRYSTAL SET - by Sterling Telephone & Electric Co. Ltd., 1922. BBC/PMG stamp, G.P.O. Reg. No.130. Tapped inductance tuning (coarse and fine), ebonite panel, brass fittings, mahogany case 6 1/4 x 8 1/4 x 8 1/4 inches. (Photo courtesy Jonathan Hill, England.)



MAGNUM CRYSTAL SET - by Burne-Jones & Co. Ltd., 1930. Crystal set designed for blind listeners. Headphone use only, spring-loaded cat's whisker/galena detector, loose-coupled plug-in coils, variable capacitor, braille calibrated tuning controls, black Bakelite control panel and knobs, mahogany base 3 x 9 x 9 inches. Donated through the "British Wireless For The Blind Fund." (Photo courtesy of Jonathan Hill, England.)

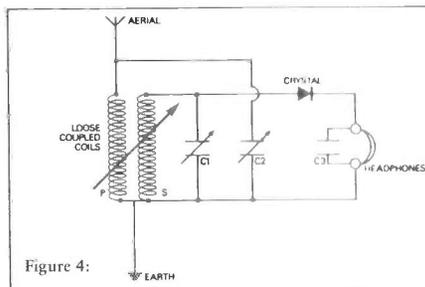
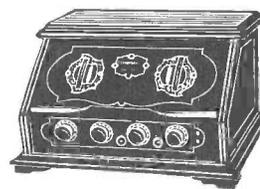


Figure 4:

The *loose coupled circuit*, a fourth type, less common than the other three, was used by companies like Fullers United Electric Works in the "Sparta", the Burne-Jones Braille crystal set (circuit in Fig. 4), and the Marconi Baby by Marconi. This circuit included a fixed untuned coil in the antenna circuit P² and a tuned coil in the crystal circuit S¹. Tuning was accomplished by varying the distance between the two coils, thus creating a variable inductor. (In Britain this type of tuning was quite common in early tube sets during the battery era.)... *Howard W. Stone* (GBS)



MANUFACTURER'S REVIEW

RCA RADIOLA 20

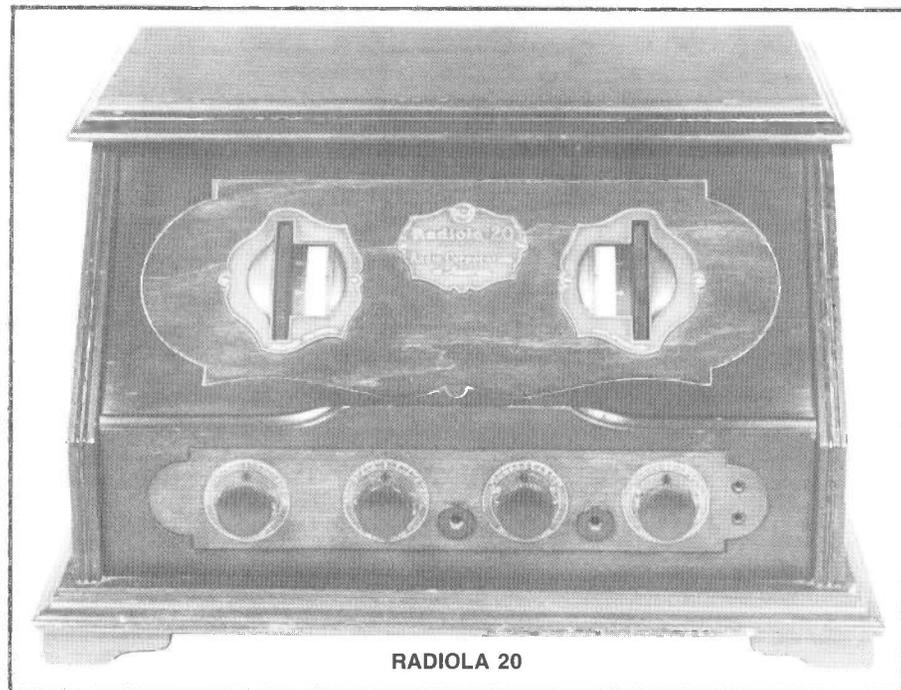
RCA's 1925-26 line was a curious mixture of the old and the new, the cheap and the expensive. Survivors from the 1923-24 line (introduced late, in February and March 1924) included the original Radiola Super-Heterodyne and the Super-VIII, the III and IIIA, all overproduced and piled up in warehouses. The Model 26 portable superhet was not quite so old, dating only from May 1925. Then there were four new models, introduced in September 1925: the Radiola 20 and three new superhet models - 25 (6 tubes), 28 (8 tubes) and 30 (AC operated).

The little Radiola III two-tube regenerative set had been reduced to only \$15 (less tubes) and the four-tube IIIA to \$35, as they were by now several years out of date. The superhets were tremendously expensive - \$165 for the cheapest new model, 25, up to \$575 for the AC-operated model 30. The old semi-portable Radiola Super-Heterodyne, once \$220, had been reduced to \$116, but even so, was not

cheap, and was two years behind the times. What did RCA have to fill the "hole in the middle?" The Radiola 20, at a cost of \$102.50 (\$115 with tubes, \$135 with a horn speaker, \$150 with the new model 100 cone speaker).

Not cheap, either. Particularly when one could buy the widely-advertised Atwater Kent Model 20 Compact for \$80, the latest Crosley Trirdyn for \$50, or a Freshman Masterpiece for \$39.50, any of which looked as impressive as the Radiola 20. To make matters worse, RCA couldn't make deliveries of its new line until a few days before Christmas, in spite of having announced them in a week-long campaign in September. As a stopgap (and to help unload obsolete stock), special cabinets were made up for the IIIA, a sloping-panel set with built-in horn, this "DeLuxe" IIIA selling for \$57.50. Small wonder that RCA posted its first operating losses ever, in the second and third quarters of 1925.

(Continued)



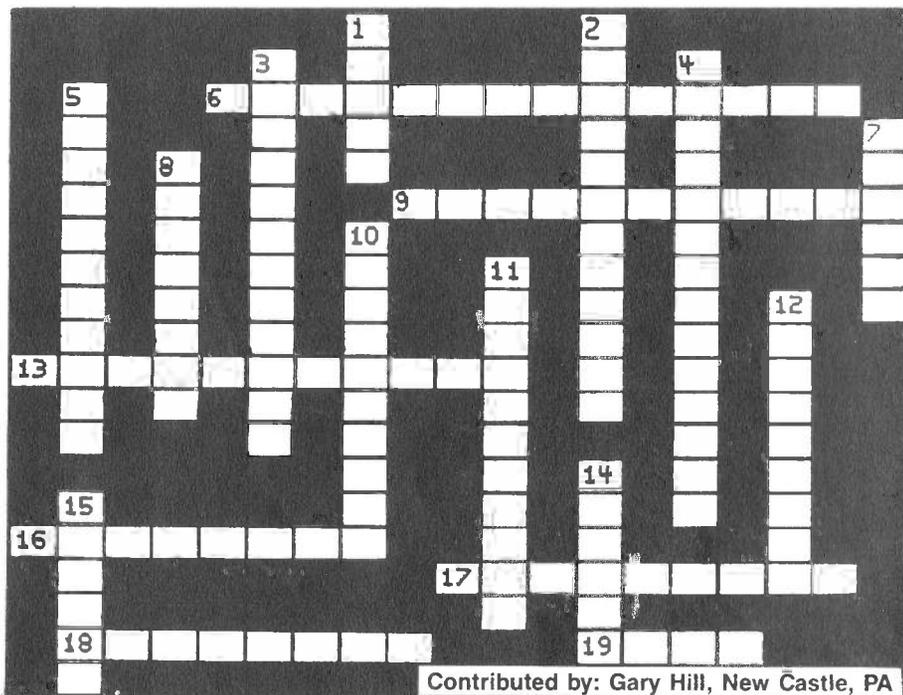
RADIOLA 20

Technically, the Radiola 20 was a good design, the last model to use regeneration. It used two stages of neutralized TRF, regenerative detector, and two audio stages, with 199 and 120 type dry-cell tubes. The Model 20 was presumably created by Howard Becker's TRF engineering section at G.E., and produced both by G.E. and Westinghouse to identical drawings. RCA, as noted before, actually manufactured nothing, but was the sales agent for G.E. and Westinghouse, who made 60 percent and 40 percent of its merchandise respectively. A most cumbersome arrangement, eventually scrapped, a story much too intricate to recount here.

The Model 20, and its superhet stable-mates, had nearly a two-year run, as RCA chose not to bring out anything new for 1926-27. The reason was that sales were down from forecast, leaving RCA with immense inventories to dispose of. Even after dumping 76,000 Model III's, amplifiers, and IIIA's in September, RCA admitted to having \$13 million in obsolescent models at the end of 1926. In 1927 came the Radiola 17, a single-dial TRF using AC tubes, which with its successor the Model 18, was the biggest profit-maker since the 1924 superhet line.

Contributed by: Alan Douglas, Box 225, Pocasset, MA 02559

(GBS)



Contributed by: Gary Hill, New Castle, PA

RADIO TRIVIA CROSSWORD PUZZLE

CLUES ACROSS:

6. Sidekick of Jack Armstrong
9. The Green Hornets' car
13. Sponsor of Your Hit Parade
16. Faster than a speeding bullet
17. Husband of Portland Hoffa
18. Sponsor of Little Orphan Annie
19. Sidekick of Tom Mix

—ANSWERS NEXT MONTH—

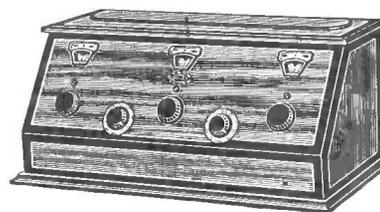
CLUES DOWN:

1. Sponsor of Jack Benny
2. Gildersleeves' first name
3. Hometown of Fibber Mcgee & Molly
4. Theme of Amos 'n' Andy
5. Sidekick of Captain Midnight
7. Sponsor of Ma Perkins
8. William Conrad was the star of this show
10. Sidekick of Henry Aldrich
11. Baby Snooks' baby brother
12. Home of Lum 'n' Abner
14. He knows what evil lurks in the hearts of men
15. Son of Chester A. Riley

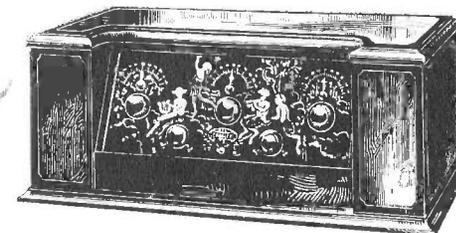
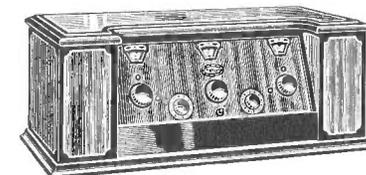
CROSLLEY REVIEW

CONTRIBUTED BY: DAVID CROCKER, 6 OLD FARM RD., DUXBURY, MA 02332

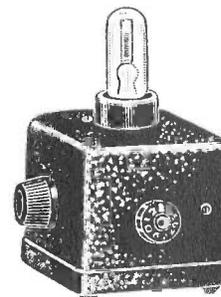
Of all the radio manufacturers, one of the most popular with collectors is the Crosley Radio Corporation. Due to this wide-spread interest, Antique Radio Classified in cooperation with Dave Crocker, a Crosley specialist, will present a series of articles showing the many models of Crosleys manufactured. This will help assist the collector in identifying the many types of Crosleys made, as well as increasing ones' knowledge on the subject. Any comments or questions concerning this column should be directed to Dave with a S.A.S.E. for reply. See address above.



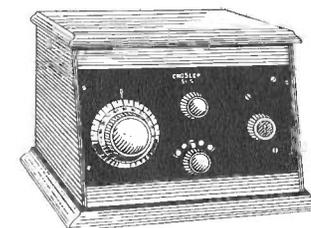
MODEL 5-38 (LATE) - Later in 1926 Crosley modernized the face of its 5-38 to look like this late version pictured here. The alteration was dropping the sweeping dial pointer in favor of engraved round dials rotating by a vernier mechanism behind gold-plated escutcheons. All the metal trim had a gold-plated appearance. Otherwise the set was identical. Fewer early versions exist.



MODEL RFL-75 - Like the Super Trirdyn series, the RFL-60 chassis could be had in the deluxe cabinet for \$15 more. It was then called the RFL-75 (the last numbers designating the price). An artistic decorated panel depicting "Pan" and other mythical characters was an option on both the RFL-60 and RFL-75 models. Caution must be taken when cleaning the front panel, for it was only gold embossed, not engraved.



CROSLLEY "PUP" - The Crosley "Pup" was introduced in 1925 for \$9.75 and operated with a WD-12 or equivalent. It gave amazing results for the price and are so desired by collectors that asking prices today can demand fifteen times its original price. The Pup is actually a model 50 receiver stuffed in a metal cabinet so tightly that Crosley had to re-design the tuning device that operated the "book" condenser.



MODEL 51-S - In the latter part of 1924, Crosley installed his "old faithful" model 51 2-tuber in a more ornate cabinet with room for batteries inside, and moved the binding post from the panel to the rear section inside the box. It was called the Model 51-S (or special). It was a marketing attempt to get even further mileage out of the Model 51. It was priced at \$23.50.

(GBS)

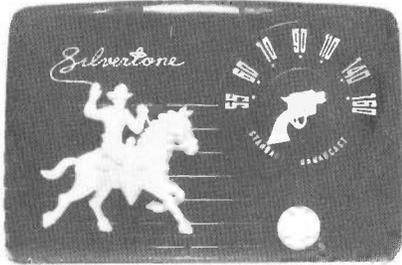
CROSLLEY



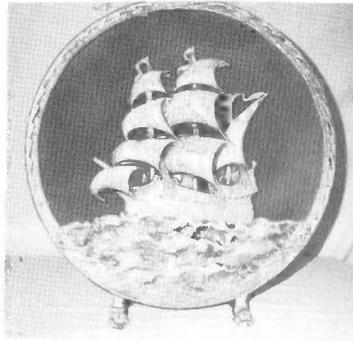
PHOTO REVIEW



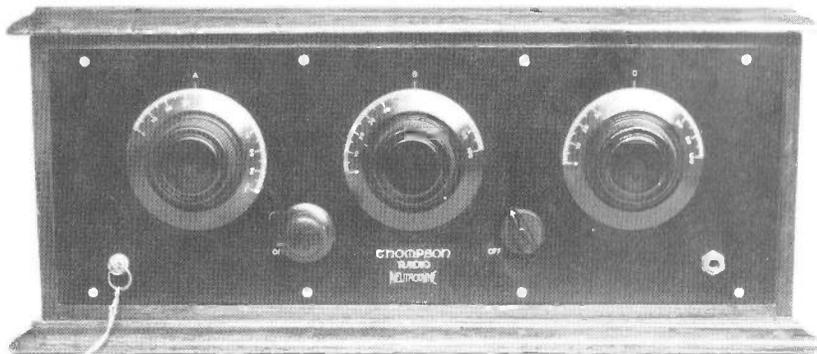
The "Photo Review" column is intended to present in pictorial form many of the radios, speakers, tubes, advertising, and other radio related items in the collections of other collectors. These photos are meant to help increase awareness of what's available in the radio collecting hobby. Photos are solicited from other collectors for use in future issues of A.R.C. Items desired are the more unusual radios and other items related to the hobby (covering the years 1900 to 1940's). Photos must be B&W (any size) and be sharp in detail, preferably with a light colored background. Please include a short description of each item submitted.



SILVERTONE - This is a Silvertone Hopalong Cassidy plastic radio, Model 4-233. It uses four tubes and is black with a white knob, lettering, and figures. It is in the 1951 "Most Often Needed Diagrams" book. (Greg Farmer - Minneapolis, MN)

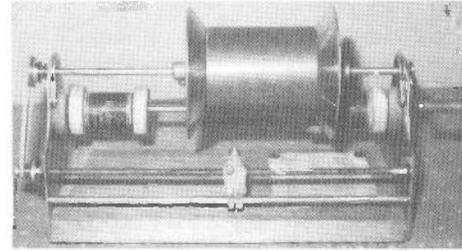


TOWER ADVENTURER - This speaker was manufactured by Tower Mfg. Corp. in 1927. It listed for \$9.50. (Rod Stidham - Auburn, WA)

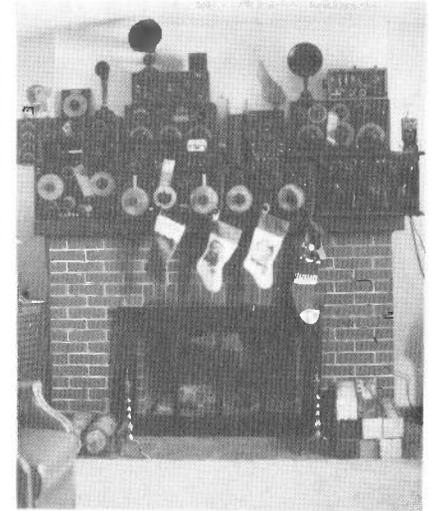


R.E. THOMPSON - Model V-50, a high quality neodyne made about 1924. About a year after finding this set, I found a few boxes of various radio parts in an antique shop in central N.C. (mostly Radiola III and Thompson parts). In one of the boxes I found a N.C. auto tag with an amateur call sign on it. It was still in the mailing envelope and had the registration card attached. The tag belonged to R.E. Thompson! A little checking proved to me that I had found the only radio items Mr. Thompson had saved over the years and kept until his death in the early 70's. I never got to meet him. (Robert Lozier - Monroe, NC)

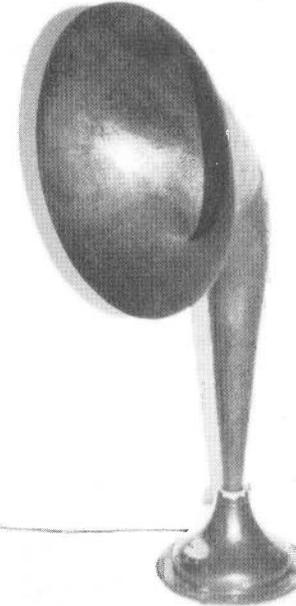
PHOTO REVIEW



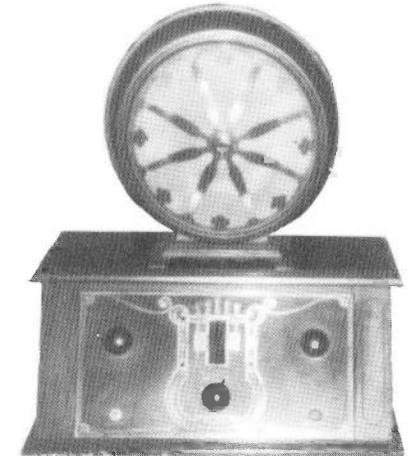
WIZARD WIRE WINDER CO. - An early coil winder manufactured in Los Angeles, California. (R.A. Hostler - Findlay, OH)



EARLY WIRELESS RECEIVERS - Santa stopped at the Kreuzer's! Pictured are some of the various receivers (Marconi's, etc.) in the collection of James & Felix Kreuzer - Elma, NY

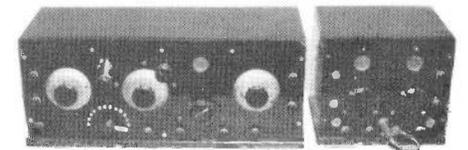


WESTINGHOUSE/RCA - Model "FH" horn speaker manufactured by Westinghouse for RCA. Speaker is 29½ inches tall with a bell opening of 14½ inches diameter. (Rudy Burick - Parma, OH)



ORPHEUS V - This radio was manufactured in 1926 by the Unity Co. The radio came from a museum in North Dakota. (Howard Rainey - Wichita Falls, TX)

KENNEDY - Type 281 receiver and 521 amplifier. This broadcast receiver was specifically designed to tune 175 to 900 meters. It was extremely selective which permitted an unusual degree of elimination of the interfering stations. These units were in a mahogany cabinet with a polished Formica panel and had German Silver dials with bakelite knobs. The amplifier was a perfect match and connected directly to the output of the receiver. Receiver size is 17 7/8" x 7 3/8" x 7 1/4" deep. The amplifier is 8 3/8" x 7 3/8" x 7 1/4" deep. (David McKenzie - Eustis, FL)

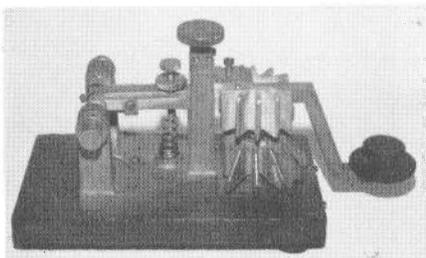




TELEGRAPH KEY REVIEW

CONTRIBUTED BY: GIL SCHLEHMAN, 335 INDIANAPOLIS, DOWNERS GROVE, IL 60515

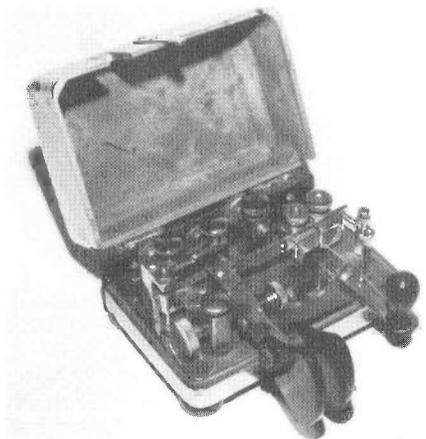
During the course of collecting and searching for radios, many collectors will have the opportunity to acquire telegraph keys and related items. In order to acquaint you to this collecting speciality and broaden your knowledge in this field, the accompanying photos of the Gil Schlehman, K9WDY, collection are presented to show the many types and variations you may encounter. Any questions regarding telegraph keys, please write in care of Antique Radio Classified.



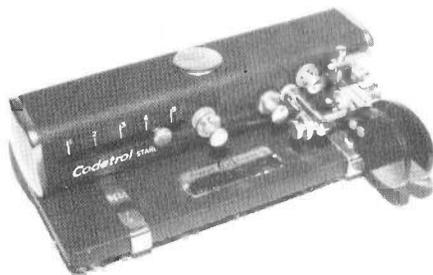
AMERICAN MARCONI - This finned spark key was made in 1917 by the American Marconi Co. for the War Department Signal Corps. It is rated at 50 amps at 250 volts. It is second only in size to the huge Massie Wireless Telegraph Co. keys of that era. A good example of keys used with the "rock crusher" coastal stations then in use. *Courtesy R. Rees.*



PREECES PLUNGER KEY - This oddity was made in Britain and is mounted on a six inch diameter wooden base. The keying mechanism inside is exactly like the precision made Post Office design keys made during this period. It has a great feel, and was probably used in railroad signaling about 1910. *Courtesy T. Shedd.*



THE ULTIMATE - This "flip top" bug was made for the traveling telegrapher who would take it with him to sporting events, etc. and drop it in his pocket when finished. Patented in 1925, this model was made of cast bronze. Some of the later models were made of the "infamous" pot metal and didn't survive. A real "gem", I paid \$3 for it about 20 years ago.



THE CODETROL - Bernard H. Breedlove made these bugs in about 1951, and although they aren't an "antique" as such, only about 500 were ever made. In personal conversation with Mr. Breedlove, he stated that most were sold overseas, and doubts that there are 20 in the whole United States. I was fortunate enough to get this one brand new in an unopened box. The action is superb, and must have given some electronic keyer fans some second thoughts when it was introduced. A superb bug. *Courtesy B.H. Breedlove.*

(GBS)



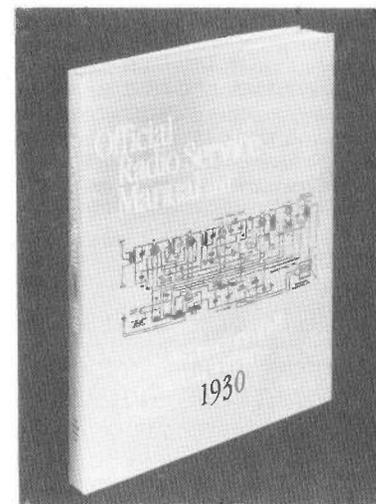
BOOK REVIEW

CONTRIBUTED BY: DR. ED TAYLOR

Official Radio Service Manual and Complete Directory of all Commercial Wiring Diagrams 1930

Official Radio Service Manual, Edited by Hugo Gernsback, 1930 (1984 Reprint): This is a large format book almost an inch thick with soft green covers and containing 352 pages of useful information. Sixty-five pages are devoted to radio servicing, hints, improvements, and instructions for building simple test equipment. There are 250 pages of commercial wiring diagrams for radios manufactured prior to and including 1930. Also contained in this volume are 15 pages of old advertising for radio products and services. Radio brand names are cross-referenced to manufacturers in the index. The perfect binding of this edition will allow the pages to stay open on the workbench.

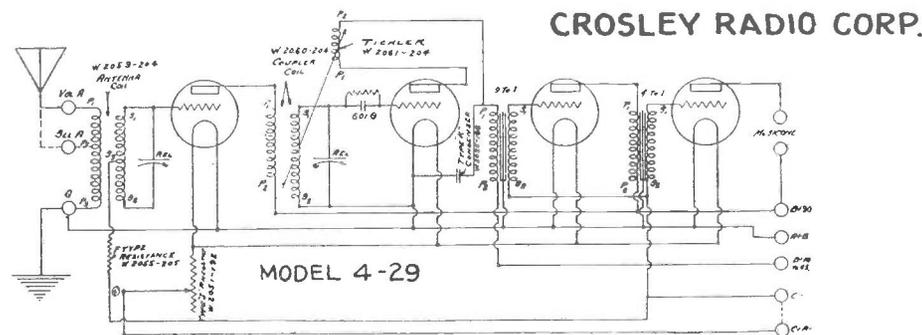
For any amateur curator who wants to get a collection of radios in working order, this "Official" manual is a treasure trove of schematic diagrams. Included are diagrams for the Atwater Kent 10, 10B, 20, 40, 44, 60C; Crosley V, 51, Trirdyn; Grebe Synchrophase; Radiola Sr., II, III, IIIA, V, 18; Zenith 4R, and



many others. Circuits for most of the early battery radios are included plus wiring diagrams for the new (1930) A.C. line operated models.

Original copies of this manual (when and if they can be located) always command a high price. (Reviewed by: Dr. Ed Taylor - Indianapolis, IN)

This reprint is available from the publisher: Vestal Press, P.O. Box 97, 320 N. Jensen Road, Vestal, New York 13850. Price is \$19.95 plus \$2.00 shipping charges. The phone number is (607) 797-4872 to charge a copy to VISA or Mastercard. (GBS)





COMING RADIO EVENTS

MASS. - Jan. 25

RADIO XVII

SWAP MEET, AUCTION & CONTEST

Weston, Mass. - Rivers School
Winter St., off Rt. 30

Sunday, Jan. 25 - 8:30 a.m. to 2 p.m.

Contest: Best Speaker or Horn
Admission \$3.00. Snow date: Feb. 1

For Information, Contact:

Dave Crocker, 6 Old Farm Road
Duxbury, MA 02332. (617) 585-5650
Richard Foster, 12 Shawmut Ave.
Cochituate, MA 01778. (617) 655-2056

MICHIGAN - JAN. 31

MICHIGAN ANTIQUE RADIO CLUB SWAP MEET

Grand Rapids, Michigan
Saturday, Jan. 31

For Information, Contact:

Jim Clark, 1006 Pendleton Drive
Lansing, MI 48917. (517) 323-9595

INDIANA - FEB. 21

INDIANA HISTORICAL RADIO SOCIETY - ANNUAL SWAP MEET

Indianapolis, Indiana - The Sherwood
6500 South Emerson Ave.
Saturday, Feb. 21 - 9 a.m.

Popular Vote Contest

Class I: Your Favorite Radio

Class II: Not a Radio but looks like a Radio

For Meet & Weather Information, Contact:

Paul Gregg: (317) 846-3094
or send a SASE to

Indiana Historical Radio Society
245 North Oakland Ave.
Indianapolis, IN 46201

ILLINOIS - FEB. 8

ANTIQUÉ RADIO CLUB OF ILLINOIS SPRING MEET

Elgin, IL - Holiday Inn

Swap Meet, Contest & Business Meeting
Sunday, Feb. 8

ILLINOIS - AUG. 14 - 15

RADIOFEST '87

Elgin, IL - Holiday Inn

Swap Meet, Auction, Contest & More
Friday & Saturday, Aug. 14-15

For information on both meets, contact:
Joe Willis, PO Box 14732, Chicago, IL 60614

RADIO CLUB LISTINGS

(CLUBS: Send club and meet information to
A.R.C. for free listing here, as space permits.)

Antique Wireless Association (AWA). Bruce Roloson, P.O. Box 212, Penn Yan, NY 14527. Pub: *The Old Timer's Bulletin*, quarterly. Dues: \$8.00. National and regional conventions. Museum.

Antique Radio Club of America (ARCA). William Denk, 81 Steeplechase Rd., Devon, PA 19333. Pub: *The Antique Radio Gazette*, quarterly. Dues: \$12.00. National and regional conventions. Regional chapters.

Antique Radio Club of Illinois (ARCI). Carolyn Knipfel, Route 3, Morton, IL 61550. Pub: *ARCI Journal*. Dues: \$12.00. Annual Radiofest and additional meets each year.

Mid-America Antique Radio Club (MARC). Paul Winans, 3915 S. Ward Rd., Lee's Summit, MO 64063. Pub: *The Broadcaster*. Dues: \$8.00. Two auctions and additional meets each year.

MARYLAND - JUNE 10-13

ANTIQUÉ RADIO CLUB OF AMERICA 1987 CONVENTION

New Carrollton, MD - Sheraton Hotel
Flea Market - Auction - Contest
Speakers - Tours

For information, contact:

ARCA, Jane & Bill Denk
81 Steeplechase Rd., Devon, PA 19333

More Radio Club Listings:

Southern California Antique Radio Society (SCARS). Mary S. Curry, 10035 County View Rd., La Mesa, CA 92041. Pub: *California Antique Radio Gazette*, quarterly. Dues: \$10.00. Four meets per year.

Please mention A.R.C. when writing clubs.



CLASSIFIED ADVERTISEMENTS

CLASSIFIED AD DETAILS: Each subscriber is entitled to one free 20 word ad each issue. Additional words over the free limit are 10 cents per word. Enclose correct payment with ad, as we do not bill for ads. Ads must be received before the 10th of the month to appear in the following months issue. Late ads will be held for the following issue. Limit of two multiple insertions of same ad. Ads may be sent in advance, however each ad must be submitted on a separate sheet of paper, preferably a 3 x 5" index card. Publisher reserves the right to edit ads and is not responsible for errors due to illegibly written ads. **OPTIONS:** Shaded ads are available at a cost of 10 cents per word additional, including free words. Photo ads are \$5.00 each for half-tone charge. Allow extra time for processing of photos. B&W line-art drawings also accepted at a rate of \$1.50 per vertical inch, maximum width is 3/2 inches. Custom ads made to order, send sketch of your ideas for quote.

WANTED: 1933 Air King. RCA consoles & table models w/chrome tubular supported cabinets (10K11, 10T11, 9K10, 8K10, 8T11, 8K11, 8T10, 6K, T10). \$12,000 for Sparton 44" Bluebird. \$4,000 for Stratosphere. Top of line Stromberg-Carlson, Crosley, Zeniths, colorful plastics. Catalins, chromes, inlaid woods, or unusual shapes, for top prices. Please call or write with description (model # and photo or drawing really help) and approx price. Also need immed. gear driver tuning cond. for Emerson mini tombstone, and WG36, 26NG, German tubes, Valvo AF-3 Dutch tubes. Ed Schneck, 1401 Ocean Ave., Brooklyn, NY 11230. (718) 377-7282

WANTED: Driver for Warren Jr. horn speaker & factory crystal sets. Mike Koval, 1012 Grand Ave., Cincinnati, OH 45304

FOR SALE: Dyna PAS preamp - \$45. Sylvania looseleaf tube manual - \$20. Official Boy Scout telegraph key/blinker/buzzer - \$20. T. Wickstrom, 1664 E. Shore Dr., St. Paul, MN 55106

WANTED: Isolation transformer. Need not be variable. Paul Bourbin, 25 Greenview Ct., San Francisco, CA 94131

WANTED: Zenith 7D127 (pg 193 FOS). Preferably good working condition. John R. Parker, 6426 Silvery Ln., Dearborn Hgts, MI 48127

FOR SALE: Aeriola Sr. and Amp with good BB WD-11's, mint - \$300 for both. Andrew Mooradian, 5 Priscilla Lane, Winchester, MA 01890

FOR SALE: Burns horn - \$125. Radiola 17, works - \$50. Grunow horn - \$100. Crosley 125 cathedral - \$85. Send SASE for complete list.

WANTED: Ozarka, Lyric and other ornate cathedrals. AK breadboards, celluloid & wooden horns. Fireside Wireless, 1507 Ridge Ave., New Castle, PA 16101. (412) 654-9335

FOR SALE: Radiola III-A, rebuildable - \$30. Radiola super-het (second harmonic) 1924, 5-tube, fair - \$50. Eveready 8-tube Model 2 AC rcvr., die cast metal case, spkr cbnt., fair - BO. Balkite Model B, 9 tube rcvr. - \$50. Markel Model 75 Playmaster 1945 turntable, plays records both sides, repairable - BO. RCA 7Q4 chassis RC478A four band 1940?, ugly table radio - \$40. AK type M Speaker horn only - \$20. Morning Glory handpainted horn - \$40. FM-4 Heathkit old FM tuner - \$10. WD12 clear duds, brass, have 5 - \$5 ea. C 299 brass tube - \$10. Raytheon BH brass tube - \$10. Transmitting tubes VT4C, GL211 with spec. sheet and two VT143 - BO. W.E. 717A tube - \$5. Five old milliamper meters - BO. 1925 GE Tungar bat. charger - BO. Tube tester, large ceramic rheostats and 5 meters, wt. 65 lb., 1955, German made, request photos - \$225 or BO. Fuel Alert Inc., P.O. Box 934, Racine, WI 53405

FOR SALE: Over 300 used radio books, service manuals, magazines by Terman, Ghirardi, Rider, Beitman, RCA, Zenith, others. SASE. Vintage TV & Radio, 1204 Andrews Ave., Lakewood, OH 44107

FOR SALE: Hallicrafter S-38C - \$15. Wood case Weston AC voltmeter - \$15. Dumont battery freq. meter - \$30. Add \$4 UPS. Clark Trissell, 3530 Pawnee, Lincoln, NE 68506

FOR SALE: 20 Booklets, 50 back issues of magazines including Radio Age, Riders #1 & 1-5, Gernsback, AK, 30 Dials - Grebel, Federal, AK, General Remler, Kurz, Kellogg, etc. Coil Forms - ribbed 6 & 5 pronged. Mounted crystals and scads more. Send wants & SASE and 22¢ for list. Send 50¢ for 11 pages. Many for bids. Postage extra. J. Clapp, 1202 5th St., DeWitt, IA 52742. (319) 659-3327

WANTED: Make my day - I need a tuning knob for my Western Electric 4B to complete the set. Rich Elskamp, PO Box 27, Centerville, MA 02632. (617) 428-6677 (collect)

CLASSIFIED ADVERTISEMENTS

FOR SALE: Electrical Experimenter, May 1916 through April 1917, bound - \$170. Radiocraft D6, circa 1925, regenerative receiver - make offer. Jose Fernandez, Eleanor Roosevelt 208, Hato Rey, Puerto Rico 00918.

WANTED: Hallicrafters S-35 panoramic receiver. National 7" TV. Hallicrafters Cabinet from Collins 75A or 32V. Sam Thompson, W6H DU, 1133 Polk St., San Francisco, CA 94109. (415) 521-1429 evenings.

FOR SALE: Symphonic Minni TV. Grundig Satellit 2100. Panasonic RF 2200. Hallicrafters S-119 Sky Buddy, Triplett 630PL VOM. Call or write. Bill Thompson, 1095 NW 147 St., Miami, FL 33168. (305) 685-1993

WANTED: Willard brand radio items: batteries, ads, eliminators, manuals. G. Willard, 808 Huntington Dr., Crystal Lake, IL 60014

FOR SALE: Two A.K. variometers (no front panels) - \$30 ppd each. Sonatron 3-tube resistance coupled amplifier - \$42 ppd. Two Ferranti audio transformers (P-P Sec) - \$14.50 for both ppd. Two Federal #65 audios - \$21 for both ppd. Samson #220 and #221 audios - both for \$16 ppd. Package of 25 new phone tips - \$4.75 ppd. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, North Royalton, Ohio 44133. (216) 582-3094

WANTED: Manual for 1950 Zenith Transoceanic portable, Model H500. Carl Reinke, 2724 N. 27th St., Sheboygan, WI 53083

BOOKS

About Radios, Records, and Phonographs.

CURRENT TITLES ONLY

- How-to Information
- Repair Hints
- Reprints of Service and Instruction Manuals
- Price Guides
- 78 rpm Record Supplies



Send long SASE for 6-page list of over 100 items to:

**The Sound Box
Department AR
Box 226
Etrick, WI 54627**

CLASSIFIED ADVERTISEMENTS

FOR SALE: Radio diagrams 1949-1950 - \$1 per 1-page copy. Send SASE with model and manufacturer's name. Gene Corn, 3 Barton St., Greenville, SC 29609

WANTED: Sheet music of the 1920's & 30's showing radios on cover, especially "Radio Jazz" & "Radio March." Also wanted Valentines with radio themes. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, North Royalton, OH 44133

WANTED: A complete, rebuildable chassis for American Bosch Floor Model #73754. Also need the schematics. Ray Schneider, 903 Rodney Dr., San Leandro, CA 94577

HAS YOUR SUBSCRIPTION

EXPIRED?

It has if your mailing label reads "8702" or earlier. Renew now!

Renewal rates are:

- \$18.00 for Second-Class Mailing
- \$24.00 for First-Class Mailing

WANTED: RCA Victor plastic radio, 1941, complete working. Model: 16X13, 16X11 or 16X3. Wm. V. Chapin, 310 Bentley Way, Fayetteville, GA 30214

FOR SALE: RCA Radiola Superhet, early version with tubes, catacomb OK - \$75. NR-5, excellent - \$75. AK 20-C, working, finish fair+ - \$60. Philco 84, clean, original chassis, impeccable - \$90. Bosch 305-S, clean original, works - \$45. Philco 60 (1936), refinished works - \$65. Philco 60 (1934), clean original good cloth - \$85. Philco 70 Cathedral, refinished, nice, works - \$175 or BO. Philco 84, refin. works - \$75. **WANTED:** 2.5V Dog-house for HRO. Decent model 10 breadboard. Schematic for Dayrad F tube-checker. Richard C. Foster, 12 Shawmut Ave., Cochituate, MA 01778. (617) 655-2056

WANTED: Cabinet for Paragon IIIA panel for Deforest D-10. Dave Christensen, 362 Charlson Dr., Red Wing, Mn. 55066

FOR SALE: Organizing Valley: Many old radios and tubes. Edsel Erwin, 6384 N. 6th St., Fresno, CA 93710

WANTED: Junker Chasis for AK 90, 92, 567 and Crosley XJ, Grebe CR-9. Charles Brunnelson, 19116 Staleybridge, Germantown, MD 20874. (301) 972-0022

WANTED: Colorful Bakelite radios. Top price paid. Anthony (718) 858-1231

CLASSIFIED ADVERTISEMENTS

FOR SALE/TRADE: RCA R-32 Speaker - \$15. Riders vol. 9, 10, 11 - \$7 ea. FADA Special for parts, audios ok, good cabinet, pot metal gone - \$25 plus UPS. Kiel table, refinished, with AK-60, nice set. **WANTED:** Cabinet Dial Escutcheon RCA-73, or loaner to make reproduction of. Cabinet for Philco 16 Cathedral. Bob Nicholson, 3423 Long, Topeka, KS 66605. (913) 266-9473

FOR SALE: 01-A's - \$5. Radio books and magazines, hundreds of tubes 1930's to 1960's - \$1 ea. SASE for list. Bruce Harbeck, 13408 Westwood Ln., Omaha, NE 68144. (402) 333-9013

CLASSIFIED AD DEADLINES

Jan. 10 for Feb. 1987 Issue

Feb. 10 for Mar. 1987 Issue

Mar. 10 for Apr. 1987 Issue

WANTED: AK Model 44 lid or cover measures 10 1/2" by 21". Please help. **FOR SALE:** Non-dial Candlestick telephone, Kellogg and Western Electric - \$75 ea. Radiola III with 2 good WD-11's - \$85. Hallicrafter S 80, working - \$50. Motorola vibrators 48B803700 7-prong 48B880261 4-prong, 48B483479 6-prong, 48B800145 6-prong all new in box - \$2 ea. All plus UPS or postage. L.S. Colebank, 742 Albany Dr., Bismarck, ND 58501. (701) 258-7646

FOR SALE: Book: Electronic Circuits & Tubes, McGraw Hill, 1947, about 1000 pages - \$35 (US). Radio Handbook 1941 by Editors and Engineers, 638 pages - \$25 (US). Also 50 radios. James D. MacDonald, RR#1, Glendale, NS, B0E-3L0 Canada. (902) 625-2161

WANTED: Edmund Recker Jr. #196, 1950's, German Multiband, exc. condition. R. Bennett, GFGF, 51 Houston St., Staten Island, NY 10302. (718) 727-8227

FOR SALE: Radiola I, Paragon RD5 & 10R, AK30 in rare oriental cabinet, many other radios, TVs, etc. for sale. Send SASE for list. **WANTED:** Pre-WWII televisions, complete color wheel, radio and/or TV advertising signs, banners, displays. Jim Clark, 1006 Pendleton, Lansing, MI 48917. (517) 323-9595

FOR SALE: Beautiful Kennedy 525 Amp with instructions - \$300. Kennedy 521 Amp - \$400. AK mod. E speaker - \$40. Crosley 51, working - \$65. Crosley Super Trirdyn Special, needs work - \$45. 3 nice wood box farm sets - \$15 ea. 3 Hallicrafters receivers (less knobs) - \$45 for all. Other bargains. Send large SASE to Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456. (314) 735-2945

CLASSIFIED ADVERTISEMENTS

FOR SALE: Atwater Kent advertising whistle, made of tin, 1 7/8" long X 3/4" wide. Reads: Atwater Kent Radio, L.P. Charriot Hdwe., West Unity, Ohio - \$8 ppd or \$5.25 for one that has minor paint chips flaking off. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, North Royalton, OH 44133. (216) 582-3094

WANTED: Following issues of Popular Radio Magazine: July, Aug. '22; June, Nov. '25; Jan., Oct. '26; May, June '27; Feb, Mar '28. State asking price and condition in your reply. Tod Prowell, 1073-15 Lancaster Blvd., Mechanicsburg, PA 17055. (717) 697-5227

FOR SALE: List of radio and electricity books. Please send a large SASE. Larry Price, 353 NW Maywood Dr., Portland, OR 97210

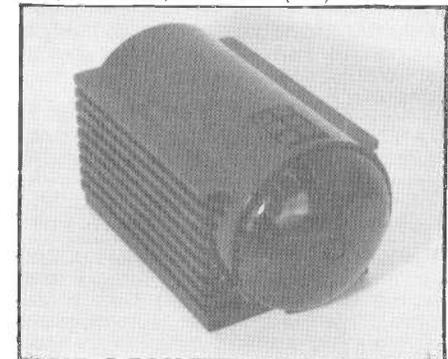
WANTED: Breckenridge: Radio Boys with Air Patrol. Verrill: Radio Detectives Under the Sea. Jerry Simkin, 10 Avalon Lane, Matawan, NJ 07747

FOR SALE: 1930 Stewart-Warner floor model radio, extra tubes, Series 950. Stromberg-Carlson model 1400-H, operating. Wm. Conrad, 21 Lumar, Butler, PA 16001

WANTED: Old meters/instruments and catalogs. **FOR SALE:** Meters. Send wants. Leonard Cartwright, 113 Sea Terrace Way, Aptos, CA 95003

FOR SALE: Brunswick radio Model 15, floor cabinet type, late twenties, missing tubes. Paul Herubin, 114 Seneca Turnpike, Clinton, NY 13323. (315) 733-1397

WANTED: Stromberg-Carlson Model 51 table for S-C 501-A radio receiver. Will buy with radio if necessary. Victor Baker, 1450 East Ave., Rochester, NY 14610. (716) 442-3507



WANTED: Sears Silvertone 1930's bakelite or plastic radio shown in photo above - top price paid! Also wanted - Sparton Blue Mirror radio, about 46" high. Eric Brill, 115 River Road, Cos Cob, CT 06807. (203) 629-1756

CLASSIFIED ADVERTISEMENTS

WANTED: The special dual mica fixed condenser that couples the L & S wave antenna posts to the R.F. grid of a Westinghouse Aeriola Sr. Also used on Radiola model RS. William H. Stuber, PO Box 153, Woodward, IA 50276. (515) 438-2008

FOR SALE/WANTED: Geiger counters/scintillators. Bought, sold, repaired. Want most any kind of radiation test equipment or unusual stuff. Bill Nash, 1531 Avohill Dr., Vista, CA 92084

WANTED: A.K. Detector Unit #3902. AK 1-stage AF amplifier #4030. A.K. #3509 AF transformer #3509. Pat Stewart, 1404 Ruth, Walla Walla, WA 99362

FOR SALE: Battery Set Encyclopedia, 1924 through 1927, 340 mfrs, 250 pictures - \$8.80 includes shipping. F. Paul, 1545 Raymond, Glendale, CA 91201

WANTED: A.K. "R" and "G" Horn speakers. Philco 60 chassis. Marc Ingenthron, 9215 West 83rd St., Overland Park, KS 66204. (913) 642-4767

FOR SALE: Hallicrafters S40. ERLA S51. Spliidorf Model 695. Victoreen, with DWGs. Arbarphone, mint cab. Silver Marshal type 630. Parts: coil winder, Karas - all ratio trans. Coils: Aero, new, in boxes, Phanstal, coils, new. Variable cond., some new, some used. Other trans., some new and used. Lots more - \$500 or offer. You pick up. Ed Schmidt, 1865 Newark Dr., West Bend, WI 53095

WANTED: Early "Magnavox Tubes" (such as used in the early battery sets). Also need "Sodion" tubes. Have tubes to trade. C.E. Clutter, 14330 NE Fremont Ct., Portland, OR 97230. (503) 254-9296

FOR SALE: 20 SW sets. RME. Knight. Hammarlund. Hallicrafters. National. Zenith. List SW87 for SASE. Krantz, 100 Osage Ave., Somerdale, NJ 08083

WANTED: German Volksempfänger. C. Wolfgang, 3212 Cornwall, El Paso, TX 79925

RADIO HORN SPEAKER ENCYCLOPEDIA
(Brand New) by Floyd A. Paul

The book has everything you wanted to know about radio horn speakers. It supports many antique radio books that only touch on the subject. The book has over 145 photographs of horns and identifies over 320 manufacturers, lists trade names, and shows the results of a major horn speaker survey made over a three-year period.

\$13.90 (includes book and shipping)
Mail to: Floyd Paul, 1545 Raymond Ave., Glendale, CA 91201

CLASSIFIED ADVERTISEMENTS

FOR SALE: Extremely interesting four-page article entitled "Edison Tells of the Miracle of Radio." July 1922 - \$4/copy. Joe Accardi, PO Box 6734, Jersey City, NJ 07306

FOR SALE: Crosley 51 Panel, good - \$6. Book condenser - \$5. Tuska 50 watt xmtg coil - \$28. Plus shipping. G. Hauske, 1922 E. Indiana St., Wheaton, IL 60187

WANTED: D104 Silver or Golden microphone. State price and condition. Frank R. White, Box 2012, Olathe, KS 66061

FOR SALE: BC-669-B radio receiver and transmitter in Chest-133 with tubes, crystals, and technical manual dated Jan. 1944. Manufactured by Hallicrafter. Equal to new. \$300. You pick up. N2GOF. John Mulhern, 33 Hampton Court, Red Bank, NJ 07701

WANTED: Will pay \$5 for schematics for Western Air Patrol Floor Model #2116-25228. Clear copy OK. Ray Schneider, 903 Rodney Dr., San Leandro, CA 94577

FOR SALE: New boxed UX 201-A, ER 112A, ER 222 tubes. Rider Manuals 1 thru 12. Make offer. J. Stueber, 8920 Lexington Ave. NE, Albuquerque, NM 87112

WANTED: Info on RBZ Army Radio. Plugs U-6, 7, 8 for ART-13 XMTR. Loop for Navy DAE-1 RCVR. Paul Gregg, 725 College Way, Carmel, IN 46032

FOR SALE: Zenith Model 5G41 AC/DC/BATT (FOS pg.196) V.G.C. - \$25. GE Model 606 AC/DC/BATT, green plastic, V.G.C. - \$20. Bruce C. Pierce, Jr., Star Route, Richlandtown, PA 18955. (215) 346-7191

FOR SALE: From two estates: 6 groups QST, 1916 - 1985, ARRL handbooks, Call Books, R/9 Radio, CQ, 73, Ham, IEEE, Broadcast Eng. Journal, Radio News, Keys, large transmitting vacuum & fixed capacitors. Over 400 old industrial and special purpose tubes, roller inductors. Large SASE. J. Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570

WANTED: Any McMurdo Silver Electric set with or without cabinet. Masterpiece I, II, III, IV, V, VI 14-15, 15-17. Any literature, McMurdo Silver Times or Forum magazines. Also 1935-1939 Zenith Consoles. We pick up most areas of US & Canada. Frank & Mary Rasada, 12507 Pinegrove Ln., Cerritos, CA 90701. Days: (714) 951-9591, eves: (213) 926-6722

WANTED: National Company radio parts of the 1930's. Impedaformers, I. F. transformers, variable condensers and dials. Roland Matson, RFD#1, Box 2943, Kennebunk, ME 04043

CLASSIFIED ADVERTISEMENTS

WANTED: Philco 70 chassis. Philco 90 speaker. Radiola 25 loop antenna. Thanks! Bill Jones, 1279 Worthington Creek Dr., Worthington, OH 43085. (614) 431-9431

FOR SALE: RCA 5T4 tubes (the big all-metal rectifier), unused, white box - \$5.50 ea. 2/\$10, postpaid. Don Diers, 4276 N. 50 St., Milwaukee, WI 53216

WANTED: Wedge cabinet for GE ER753 Xtal set. FB-7 coils. Speakers for HQ-120 and NC-101A. Fran Emrich, 441 Swaggertown Rd., Scotia, NY 12302

FOR SALE: Antique James Millen Model 90902 S/N 3 rack mounted "O" scope - \$25. "New" Turner Model 350-C Hi-Z ceramic microphone - \$13.50. New Pickett Model N 1010-ES Trig slide rule in suede leather case - \$15. Ward Becht, 625 Tufts Ave., Burbank, CA 91504. (818) 842-3444

WANTED: Arkey small tombstone with chrome circle in grille. Also looking for a Simplex Model "H" tombstone. Have interesting trades or cash. Steve Baron, 435 Park Ave., Lexington, KY 40502. (606) 269-2832

WANTED: Kadette plastic set (F.O.S. pg. 101). Kadette Jewel Models 44, 47, 48. Espey "Roundabout" Model 31. Colored and swirled plastic sets, redwood sets. Please call or write. Rod Stidham, 4011 So. 286th, Auburn, WA 98001. (206) 854-4874

CLASSIFIED ADVERTISEMENTS

FOR SALE: Radiola III with two WD-11 tubes, one brass base glass tip, plays v-fine condition - \$135. Crosley 51 with tubes, fine, plays - \$95. Philmore Junior microphone, NY Cat. No. 500, mint in box, full page instruction to connect to radio - \$32. Little Wonder microphone, Cleveland, Ohio. Talk, sing, play, broadcast over your radio, on box, about mint - \$32. 8 Books: "The Care and Operation of Frost-Fones and Frost Radio," 46 pages, 2 1/2" x 3 1/2", first edition, mint - \$7 each. Edson Mabry, 715 W. Longview, Mansfield OH 44906. (419) 526-1175

WANTED: "Three Pigs" radio for sister who's a hog farmer. Case must be decent. Reasonable. Irene (612) 777-6791

FOR SALE: Unused and used tubes, capacitors, speakers. Send SASE for lists. C. Elmer Nelson, 11 S. Church St., Princeton, IL 61356

WANTED: Chassis kit, Model FU-40. This unit sold about 1948 to use oscillator plug-in assembly from BC-610 transmitter. No parts supplied, only 5 1/4 x 19 relay rack panel, drilled & marked to build osc-buf-amp transmitter-exciter. Need circuit & instructions to complete. W4PC, PO Box 10371, St. Petersburg, FL 33733

WANTED: AK Model 44 lid or cover, measures 10 1/2 inches, please help. L. S. Colebank, 742 Albany Drive, Bismarck, ND 58501. (701) 258-7646.

BOOKS FOR SALE

*New Wireless Pioneers,
James and Felicia Kreuzer,
have acquired the inventory of the late
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CLASSIFIED ADVERTISEMENTS

WANTED: Heath IG528 (battery) RF generator, NOS (square) 2-volt vibrators, Garrard A-2 head shells. **FOR SALE:** Charts going back to 01A for Hickock 532 thru 600 tube testers - \$6 ea. 1930's J.W. Millen shortwave converter - \$35. 13 (military) Arc-5 receivers, the rare broadcast band ones! - \$250 firm takes all. NOS Collano record changer, original box - \$15. Wright-Decosten univeral field coil (testing) speaker, in wood carry case - \$30. 6 GE wet cell receivers, model 250, 260, NOS wet cell - \$100 all (firm). New tubes: 3AP1, 8YP4, UX120 - \$10 ea.; 2E5, 6V5, 6AB5, 6AF6, 6AL7, VT24/864, 10, 40, 81, 82, 83 - \$5 ea. Sprague orange drops: .1 mfd/1kv - \$1 ea.; (disc) .01/1kv - \$20 per 100 pcs; 4-oldn Ampex Reel-to-Reel stereo recorders (may need service, in storage several years) - \$125 takes all. 2 10-inch TV's, metal cabinets, pix tubes good - \$10 ea. Multiphase picture tube restorer - \$20. All plus (careful packing) shipping. A.R.C. ads get results! I have satisfied customers world-wide! Jim Farago, PO Box 65701, St. Paul, MN 55165. (612) 722-0708

FOR SALE: Volume and tone controls including rare "loudness" taps! Send set name and model, part no., shaft type and length, resistance value and tap (if any). Indicate AC switch or no. Dual sections available for old stereo gear. New lower prices due to expanded stock: single section - \$5, duals - \$9. Tapped sections add \$2 per section. Add \$3 per AC switch, plus \$1 shipping per order. Mark Oppat, 167 Caster, Plymouth, MI 48170

CLASSIFIED ADVERTISEMENTS

FOR SALE/TRADE: Pre-1926 battery radios and accessory items. Some prime items for trade only. Send large SASE for list. Lane Upton, 526 11th Ave., Salt Lake City, UT 84103

WANTED: Crystal sets by Brendamour, Liberty, Bird Radio, Precision Sales (like Mengel), and Harko. Peter Palm, 4900 Madison, Madisonville, OH 45227. (513) 561-4411

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WANTED: Reasonably priced Rider manuals by beginning collector, repairer. Please state condition and price. Philip R. Donovan, Jr., 120 Commonwealth Rd., Lynn, MA 01904

CLASSIFIED ADVERTISEMENTS

AUCTION: There will be a radio auction of the Glenn Baird estate of Ottumwa, IA held at the Gene Harris Antique Center in Marshalltown, IA the last weekend of March, 1987. No further info available now. Watch A.R.C. for further details.

FOR TRADE: Ware Type T and Federal 110 for Grandfather clock radios or Dionne Quintuplets radios. C. Watts, P.O. Box 422, Paris, Ontario, Canada N3L 315

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FOR SALE: Crosley Super II console, good condition, works - best offer over \$100. Delco R-1117 - best offer over \$50. Marion Van Hal, 1328 Orchard, Pella, IA 50219. (515) 628-2347

FOR SALE: Reasonable. Spark Gap transmitter. AK 20. Silvertone Neutrodyne. Freshman Masterpiece, Freed-Eisemann NR-9. Whizzer 1947. Silvertone farm radio. Philco 40-170 chairside, 39-17 console. Grenow Teledial. Webster Intercoms. Majestic 90-B. WWII "Spi" SW receiver. Tubes. SASE please. John Wilson, 220 Sunset, Iowa City, IA 52240

WANTED: Zenith Transoceanic Model R-7000, Circa 1980. Must be mint. Larry Rosenberg, 127 Corliss Dr., Moraga, CA 94556. (415) 376-1272 (after 6 p.m.)

FOR SALE: Dumont Television (advertising) clock. SASE to David Walters, 13805 Florida Ave., Cresaptown, MD 21502 (301) 729-3133 before 5 p.m.

WANTED: Listen! A 3-legged Martian "Big-Four" crystal set auctioned off for \$110 At Canandaigua 1986 - I'll pay \$165 for one. Write: Dave Crocker, 6 Old Farm Road, Duxbury, MA 02332

WANTED: Battery operated, 1 to 3 tube German or European receivers. Early 20's low power AM broadcast transmitter. Chuck Strozier, 24100 #E Ave., Rancheros Diamond Bar, CA 91765. (714) 594-5922

CLASSIFIED ADVERTISEMENTS

FOR SALE: National SW3 - \$75. NC46 - \$50. Two HFS rcvrs - \$50 ea. One 5886 pwr supply. Hallicrafters S40A - \$50 and S53A - \$35. Rhyne Killian, 129 Mill Rd., Chelmsford, MA 01824. (617) 256-0853

FOR TRADE: The following items are offered as trade for Marconi and Telefunken sets. A Polaroid photo of any item is available for \$2 + SASE. Wireless Specialty Apparatus Clark tone tester. Wireless Specialty Apparatus variable air condenser Type 1-P-300. Wireless Specialty Apparatus sending key Type QS 5004, in original box. Classic Omnigraph with complete set of discs and original decal. Double current telegraph key, British India Rubber Gutta Percha Co. Ltd. Double current relay for cable or telegraph, India Rubber-Gutta Percha Co. Ltd. National Telegraph typewriter transmitter. Edison stock ticker or printing telegraph with glass dome and floor stand on wheels. Charles Williams telegraph sounder. Cooke and Wheatstone 2 needle telegraph, about 1845. Marconi Museum of Wireless Telegraphy, Phil Weingarten, 67-61 Alderton St., Forest Hills, NY11374. (718) 896-354

FOR SALE: Wood table models Zenith 65-627, Philco 42-327, GE-J63. Crosley Fiver. Zenith ACDC. Nice Plastics. Consoles. Have ten all kinds Hallicrafters. Receivers RME, Lafayette, WRL. Johnson transmitters. Three homemade 1920's receivers. Magazines. Send large SASE. Russ Olmsted, 608 W. Thompson Lane, Murfreesboro, TN 37310

WANTED: Clarion 70, Pilot F12 (Bakelite), Pilot Midgette, Echophone S5 or 80, 60, Majestic 291. Have for trade Philco 90, AK 165, AK 90, GE K64, Crosley 148, Crosley Buddy Boy cathedrals, Wilcox-Gay tombstone, cash. Michael Katz, 200 East 30th St., Apt. 8E, New York, NY 10016. (212) 725-0736

FOR SALE: Rockola E1411 jukebox, as is, - \$45. WE 555 driver, tests OK - \$75. AK 52 metal floor model - \$45. Akai X355 recorder, G.C. - \$100. Record collections: Red Victor, Edison, Pathé, - 50¢ ea. Information, Bill, (216) 867-7505 evs

FOR SALE: 9th & 10th Ed. Radio Handbook, '42 & '46 Editors & Engineers, '43 ARRL Handbook - \$6.50 ea. Audels Radioman's Guide, '48 - \$5. Radio Boys on Signal Island, '26 - \$5. Acme Appar. Co 12th Ed., '26, 32 pgs, Amplification Without Distortion - \$5. Cats: '47 & '53 Allied Radio - \$2.50 ea.; Allied Supp. No. 146, 155, 156 - \$4 all 3; '48 Concord - \$4. Intl. Morse course, album of 5 records, 10 lessons on 78 rpm records by Insuline Corp. - \$20. Radio Constr. for the Amateur by Duston, '24, 30 pgs, complete - \$10. Mags: 5 Telephony '29-'30 - \$5. Radio World, Aug. '25 - \$5. L.S. Colebank, 742 Albany Dr., Bismark, ND 58501

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 - PCB696 - ELECTROLYTIC CAPACITORS by P. Deeley, published by Cornell-Dubilier, 1938, many diagrams, illustrations, excellent text!, 275 pages! \$18.95
 - PCB697 - HENLEY'S 222 RADIO CIRCUIT DESIGNS by Norman W. Henley, 1923, many crystal-set and one-tube-set circuits, diagrams, etc., 271 pg. \$18.95
 - PCB698 - THE BOOK OF WIRELESS by A.F. Collins, 1922, how to make wireless \$16.95
 - PCB699 - RESONANCE AND ALIGNMENT by John F. Rider, 1936, GREAT!, 91 pg. \$12.95
 - PCB700 - AUTOMATIC VOLUME CONTROL by J.F. Rider, 1936, 93 pages . . . \$12.95
 - PCB701 - ALIGNING PHILCO RECEIVERS by J.F. Rider, 1937, 135 pages . . . \$13.95
 - PCB702 - THE RADIO GIRLS, ON THE PROGRAM by M. Penrose, 1922 \$12.95
 - PCB692 - THE RADIO GIRLS, AT FOREST LODGE by M. Penrose, 1922 \$12.95
 - PCB691 - THE RADIO BOYS, FIRST WIRELESS by A. Chapman, 1922 \$12.95
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FOR SALE/TRADE: Philco 90 chassis, good, - \$45. Zenith 6S27 tombstone, see FOS - \$75. RCA 4T cathedral, restored - \$85. RCA 10T tombstone, see FOS - \$125. Majestic 15 cathedral - \$85. Zenith 715 cathedral - \$145. Majestic 20 cathedral, restored - \$95. Philco 16B cathedral, see FOS - \$160. Riders Vol. 17 - \$12. Crosley cathedral #158 - \$65. Majestic 301 semi-cathedral - \$50. AK 84 cathedral - \$175. Cabinet for Crosley Buddy Boy - \$75. Emerson U6D, see FOS - \$65. RCA novelty set, has Mexican scene on front - \$75. Send SASE for new list. Bill Moore, 1005 Fieldstone Ct., Huntsville, AL 35803

WANTED: Escutcheon for a GE cathedral J-72. Perhaps you have one that I could "rent" from which a duplicate could be made. Bill Tolson, 10 Summit Rd., Wellesley, MA 02181

FOR SALE: Hallicrafters S-40-B - \$52.50. Heath Grid Dipper - \$19.50. One-tube Homebrew, works fine, no cabinet - \$27.50. Heath "Sixer" transceiver - \$22.50. Nov. list for SASE & 50¢. Chet Wisner, 1014 Main, Dalton, MA 01226

FOR SALE: Auction-Deadline Jan. 31, 1987. Atwater Kent radio model 46 and speaker type F2. Send bid to: Mary Jane Odee, PO Box 1213, Kerrville, Texas 78029

WANTED: Pilot and Aztec - Fred Stein tombstones & cathedrals. 50's & 60's Hi-fi equipment (tube), literature, Sherwood tuners, etc., unusual cathedrals, AK 588 & 328. Bill Moore, 1005 Fieldstone Ct., Huntsville, AL 35803

FOR SALE: AK20C early model, looks and works well - \$115. Natl. NC 77X. B.C. band open, rest ok - \$25. **WANTED:** AK speaker unit L or M, working OK. Bill Key, W1DWD, 58 Sycamore Dr., Halifax, MA 02338. (617) 294-1831

FOR SALE: Rider complete index from 1 to 23 reprinted. A three-book set. Master Index 1 - 15 - \$15, Vol. 16 - 22 - \$7.50, Vol. 23 - \$5. Complete set for \$25, includes shipping. Vintage TV & Radio, 1204 Andrews Ave., Lakewood, OH 44107

FOR SALE: Phonographs & jukeboxes. 1100 new tubes. 10,000 78's and 45's. Send SASE to Tony's Trading Post, 209 East Park St., Butte, MT 59701

FOR SALE: Mechanical television is back!!! Parts and information are available. Send an SASE to Pete Yanczer, 835 Bricken, St. Louis, MO 63122

FOR SALE: Telegraph items, keys, sounders and relays. SASE for TG list. Serge Krauss, 141 Homan Ave., Elkhart, IN 46516

CLASSIFIED ADVERTISEMENTS

FOR SALE: Hallicrafters Model SX-43 with model R-42 B.R. speaker. Radio reconditioned, case good - \$150 + UPS. Sidney Allen, Jr., 1908 Rosecrest Dr., Greensboro, NC 27408

FOR SALE: Old galena crystal detectors in original package with crystal set diagram - \$3.50 ea. ppd. Riders 12, 13, 14 - \$10 ea.; 3, 5, 17 - \$20 ea. Many old radio magazines - SASE. Bill Rolf, 30131 Center Ridge, Westlake, OH 44145

WANTED: 12" speaker to fit Scott Phantom AM, 18, 16, or Masterpiece. Mike Stephens, 454 Butler Rd. NE, Warren OH 44483. (216) 394-4515

WANTED: Thordarson audios, thru sub-panel mtg., used in various 20's battery sets. Also need Stewart-Warner enclosed audios. Price, condition. John Hutchins, 9417 N. Rich Rd., Alma, MI 48801

FOR SALE: Books. "The Speaking Telephone, Talking Phonograph and Other Novelties," by Geo. Prescott, 1878, 428 pg. - \$85. "ABC of the Telephone," by James Homans, 1904, 346 pg. - \$30. "The History of the Telephone," by Herbert Casson, 1910, 315 pg. - \$25. "A History of Engineering & Science in the Bell System," 1925-1975, 757 pg. by Bell Laboratories, new - \$35. E. E. Martin, 8816 Ansonia Ave., Cleveland, OH 44144. (216) 661-9999

FOR SALE: Special sale on new tubes until 2-28-87. Prices from 50¢ to \$3. SASE. Vintage TV & Radio, 1204 Andrews Ave., Lakewood, OH 44107

WANTED: Need a 900D Halldorson auto freq. transformer, round drum shaped, brass body with blue and yellow nameplate. For a Metrodyne Super 6. Richard Arnold, Box 275, Lone Grove, OK 73443

FOR SALE: Hundred unused, boxed, 1626 tubes by WE, RCA Hytron - \$6 plus 15 lbs UPS. Hundred unused, boxed, Amperite 2B14 (12v) - \$7.50 plus 15 lbs UPS. Remler "Scotty" radio. Components and materials for AC chassis and cabinet restoration. List available on request. Repair work on pre-1960 radios by licensed professional. S. C. Coulter, Box 11-A, 1000 West Columbus, Bakersfield, CA 93301

WANTED: Acme twin rheostat 6-2000 Ohm. **FOR SALE:** 2 Acme enclosed variables w/vernier. Bill Jelinek, 128 N. Stevens, Rhineland, WI 54501

FOR SALE: Radiola 26, missing tube cover, good catacomb, works OK, less tubes - \$175.

WANTED: Brass tag for top right side of Grebe CR9. Jim Barrows, 15121 41st Ave., SE, Bothell, WA 98012. (206) 337-4880

CLASSIFIED ADVERTISEMENTS

WANTED: RCA AM FM Dynamic demonstrator type WE-82A. RCA Audio Chanalyst type 170A. Peter Dieguez, 36-48 34th St., L.I.C., NY 11106

CLASSIFIED AD DEADLINES

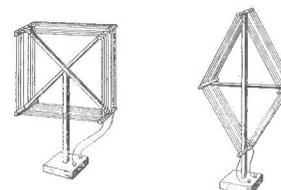
Jan. 10 for Feb. 1987 Issue

Feb. 10 for Mar. 1987 Issue

Mar. 10 for Apr. 1987 Issue

FOR TRADE: Aerovox Research Worker duplicates I have for those I need. Al Smith, Stonehedge, Lincoln, MA 01773. (617) 259-9351

WANTED: Antique tubes with filaments, Pacific Radio News, Modern Electrics, 1928 Radio News, DeForest BC14 detector & lid w/ nameplate. Please describe w/prices. Marc Gottlieb, 931 Olive, Menlo Park, CA 94025



FOR SALE: 1922 Toy radio Rex Doghouse, no dog, bat. operated - \$60 or trade for operating AK radio & speaker. 1922 American Boy Special Radio Issue, cover sinking ship, wireless, radio - \$18. Otto Nill, 192 Grant Ave., Islip, NY 11751

WANTED: Heath AR3 receiver kit or wired. Lafayette table radios, Arkay kits. King C. Harrison, 4755 Walton Creek Rd. Cincinnati, OH 45243

FOR SALE: Ongoing inventory of goodies, mostly electrics, 1930-1950's: Cathedrals, tombstones, art deco, plastics, metals novelties. SASE for new winter '87 list. Ripley, 2276 Holloway, Maplewood, MN 55109

WANTED: Walkie-Talkie SCR-536 (BC-611) for soldier. National S. W. receiver. Radio related magazines before 1920 and ARRL handbook before 1947. Minoru Wakasugi 1-16-11 Tokiwadai Toyonocho Osaka 563-01 Japan

FOR SALE: New and used radio tubes from the early 1930's to early 1940's. SASE for list. Herman Fothe, 10 Jackson St., Sloatsburg, NY 10974

FOR TRADE: "Radio Boys At The Sending Station," book, for one with different title. Lyle Scheid, Box 17, Iroquois, SD 57353

CLASSIFIED ADVERTISEMENTS

FOR SALE: Brunswick Highboy. Philco lowboy. Cathedral, Bakelite, many table & console sets, tubes. Large SASE. J. Kendall, PO Box 436, Fallston, MD 21047

WANTED: Undamaged speaker 7" E/M #36-1580-4 for factory converted Lincoln car radio installed in Philco arm rest floor model. Also, need the schematics. Ray Schneider, 903 Rodney Dr., San Leandro, CA 94577

FOR SALE: *Radio! Radio!* Jonathan Hill has published the most complete book on British radios from Marconi to the 1960's. Almost 1000 photographs illustrate the 242 page 8 1/2" x 12" book. Cost: \$19.95 paperback, \$29.95 hardback, plus \$2.50 P&H. Howard Stone, 2825 6th Ave., Fort Worth, TX 76110

WANTED: GE K-60, K-63, K-80 table models, similar 1933 RCA sets. Zenith 829 chrome. RCA 64 console. Large top of the line consoles. GE grandfather clock radio. Atwater Kent AC table models. Radio retailing magazines 1927-1935. Emerson Catalin tombstone. Lone Ranger novelty set. Have good trades or cash. John Kern, RD #2, Box 457, Quakertown, PA 18951. (215) 538-2128

FOR SALE: Precision Apparatus Series No. 862 multi-range tester in cabinet for panel mounting. Daniel Gaidosz, 342 West River Rd., Orange, CT 06477

WANTED: For mechanical TV experiments: Felix-the-Cat doll. R. Brewster, 454 Diablo Dr., Pittsburgh, PA 15241

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835 Bricken
St. Louis, Mo. 63122

CLASSIFIED ADVERTISEMENTS

WANTED: H.P. 200H audio generator schematic & manual. EICO 315 RF generator schematic & manual. Alan J. Kriss, 1872 Portsmouth Way, Union, NJ 07083. (201) 688-2092

FOR SALE: AK33 cabinet - \$12. Philco Model 46-420 - \$35. Radiola 955 manual copy - \$5.
WANTED: Rider's Vol. 4 - Vol. 5. Radiola 33 cabinet/parts. S. Wheaton, 1120 Virginia Ln. #1, Olathe, KS 66061

WANTED: Quality 30's set with SW in operating condition. Must be good. G. O. Hughes, 1703 Geary Rd., Walnut Creek, CA 94596

WANTED: Plug-in band change coils for Hammarlund Four-20 ham transmitter. Archie Shetler, 2834 Wanda Dr., Titusville, FL 32796. (305) 267-8918

WANTED: Antique tubes, one or many. Please describe with prices. Also buying wireless and early TV literature. Marc Gottlieb, 931 Olive, Menlo Park, CA 94025

WANTED: Scott radios in open top (Napier) console. Pre-chrome sets. Communications receiver. Original literature. Steve Chapman, 419 Bird Lane, Waxahachie, TX 75165. (214) 937-2726

WANTED: Dial wheel for Browning Drake #28 voltage divider Ris for Radiola 17. RCA 118 chassis and speaker, RCA 125 band selector switch or whole chassis. Manual for NC-100A National Rec. Jeff Pomakis, 27 Fairview Ave. Apt. 6, Ipswich, MA 01938. (617) 356-2343

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SPEAKERS: 555, 594, 596, 597, 713, 754, 755, 728, 4151, 4153, 4181, 4194, 753, 757.

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WANTED: Allen Chapman's juvenile fiction book, "Radio Boys to the Rescue." Robert Stapleford, 1800 Randolph, Topeka, KS 66604

FOR SALE: Six page copies of Crosley 51 operating manual - \$2 plus large SASE. Brian Rhodes, 90 Frances Ave., Stanhope, NJ 07874

WANTED: RCA 104. I need several. Tracy Sands, 1520 W. Juno Ave. #C, Anaheim, CA 92802

WANTED: One last try for dial parts for Crosley RFL 60. Glen S. Lee, RR #2, Mt. Brydges, Ontario, Canada N0L1W0. (519) 264-9115

FOR SALE: 1930's (?) GE Dental X-ray machine - \$30. Duane Bylund, 5153 W. 5400, Salt Lake City, UT 84118

FOR SALE: AK20, 92, tubes, Radiola 17. Stevens, 69 Porters Pt. Rd., Colchester, VT 05446. (802) 863-3226

WANTED/FOR TRADE: J. F. Arnold Navy loose coupler, buy or trade. Also rotary or fixed spark gaps. Also have a classic mdl. loose coupler for trade. Richard Arnold, Box 275, Lone Grove, OK 73443

FOR SALE: Edison Bell Crystal Set, fine, plays well - \$200. Arborphone Radio, Model #27, very good - \$65. **WANTED:** Wooden horn speakers, especially Orchestrion & Amplion. Greg Michaels, 72 Pleasant St., Ballston Spa, NY 12020. (518) 885-8280

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FOR SALE: Tube collectors tubes. AK BB parts. Radio News 1920 to 1945. Other magazines. Tube Saga. Crystal Sets. Parts. List offer 87. SASE. Krantz, 100 Osage Ave., Somerdale, NJ 08083

WANTED: Wurlitzer horn speakers. Also Wurlitzer radios and related items. Larry Babcock, 8095 Centre Lane, E. Amherst, NY, 14051. (716) 741-3082

WANTED: Following issues of Popular Radio magazine: July, Aug '22; Sept '24; June, Nov '25; Jan, Oct '26; May, June, Dec '27; Jan, Feb, Mar '28. Tod Prowell, 1073-15 Lancaster Blvd., Mechanicsburg, PA 17055. (717) 697-5227

WANTED: Owner's manual for Heathkit LG-1 Laboratory Generator, copy OK. Please contact: Frank F. Orcutt, 2214 1/2 Santa Clara, Alameda, CA 94501

FOR SALE: Good clean Hammarlund HQ-129X w/matching spkr - \$69.50. Heath cap checker - \$22.50. Heath sig. gen. - \$22.50. New Nov. list - 50¢ & SASE. W1VSR, Chester Wisner, 1014 Main St., Dalton, MA 01226

WANTED: Early violet ray quack medical machines and ring microphones. Richard Cane, 8391 N.W. 21 St., Sunrise, FL 33322. (305) 741-6838

FOR SALE: Several older scopes 3 and 5 inch. SASE for list. T. Walker, 154 Intervale Rd. Mtn. Lakes, NJ 07048

WANTED: Telegraph bugs that were factory colored such as green, red or blue Vibroplexes. Gil Schlehman, 335 Indianapolis, Downers Grove, IL 60515

FOR SALE: Riders 5 - \$13. Homemade battery radio - \$20. Freshman Masterpiece, chassis only, complete - \$30. 7 panel & watch case meters - \$7 ea. Heathkit capacitor tester - \$10. Good WE216A tube - \$10. All plus shipping.
WANTED: Cabinet top for Radiola 25 or 28 and 104 speaker unit. DeForest tubes and cans. Early tubes and light bulbs. Bruce Harbeck, 13408 Westwood Lane, Omaha, NE 68144 (402) 333-9013

WANTED: Old light bulbs with Straing elements. Rob Simon, 1 So. Radford Ln., Villa Park, IL 60181

FOR SALE: QST in binders, Jan. 1917 to 1981, 760 issues - \$1000. You pick up. J. Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570

WANTED: AK Type 11 tuner. E. A. Smith, 2714 Alden Road, Baltimore, MD 21234

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WANTED: Two-minute cylinder records, either Edison or, better yet, Columbia indestructable black cylinder records. Please state price and condition. Richard Cannon, 585 W. Hazelwood Ave., Rahway, NJ 07065. (201) 499-7153 in eves.

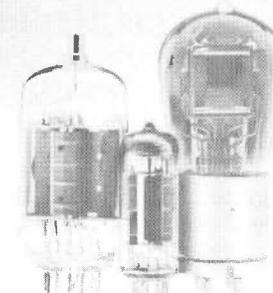
WANTED: Didn't get one for Christmas! FADA #1000, Majestic "Coke Cooler" radio cabinet. Always looking for miniature radio novelties like in ARC Aug. '86, Have cathedral, etc. for trade for FADA #1000. J. Downes, 607 East 12th Ave., Covington, LA 70433. (504) 892-6250 eves.

FOR SALE: Radio Related Tie Clasps, lapel pins, RCA, GE, Philco, etc. Full enamel emblems. Send SASE for list. Michael S. Sabodish, Sr., 11-A Matawan Ave., Cliffwood, NJ 07721

WANTED: Atwater Kent DC radios, any voltage, 6VDC, 32VDC or 110DC. Any wood cabinet AC sets. Crosley 148 chassis/spkr. Kent King, 3637 Liberty Rd., Delaware, OH 43015. (614) 363-3219

FOR SALE: Galena crystals and cat whiskers, - \$1 ea. L. Gardner, 458 Two Mile Creek, Tonawanda, NY 14150

FOR TRADE: 1918 Connecticut spark transmitter BC-15A - used in airplanes, page 34 of VR. Would like to swap for an early crystal detector/wireless, etc. Michael Payne, Rt. 5, Box 796, Alvin, TX 77571



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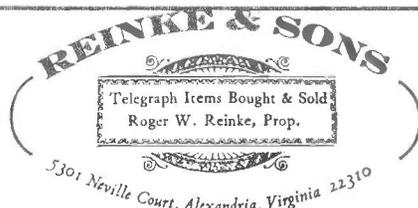
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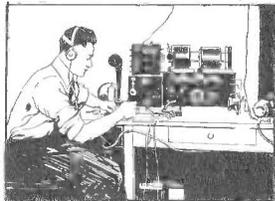
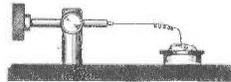
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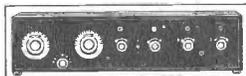
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