

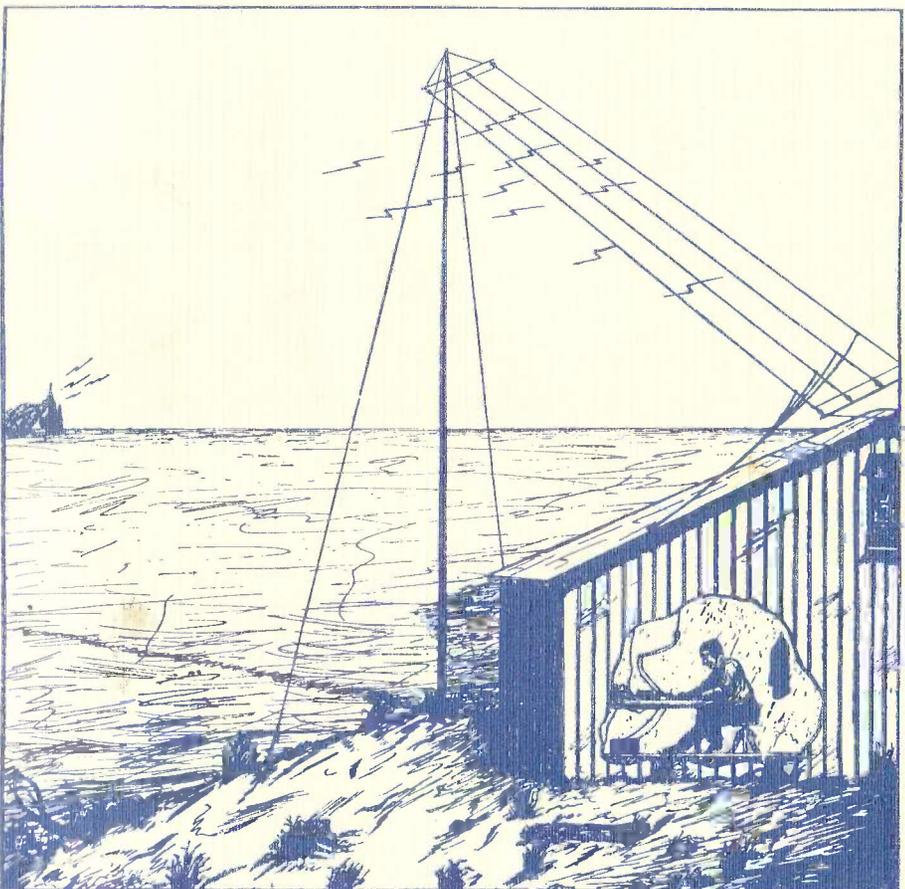


# ANTIQUE RADIO CLASSIFIED

VOLUME 4

FEBRUARY 1987

NUMBER 2



MANHATTAN ELECTRICAL SUPPLY CO.

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

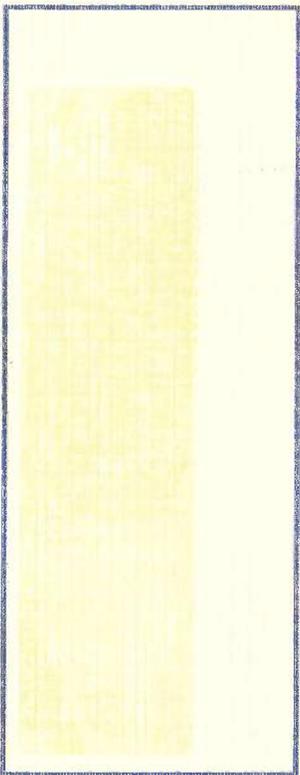


# ANTIQUE RADIO CLASSIFIED

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# ANTIQUE RADIO CLASSIFIED

## Publishing Details

Antique Radio Classified (ISSN 8750-7471) is published monthly at annual subscription rates of \$18.00 for Second-Class mailing and \$24.00 for First-Class mailing, by John V. Terrey, 498 Cross Street, P.O. Box 2, Carlisle, MA 01741. (617) 369-9770 (9 a.m. to 9 p.m.). Second-class postage paid at Carlisle, MA. © Copyright 1987 John V. Terrey. POSTMASTER: Send address changes to A.R.C., P.O. Box 2, Carlisle, MA 01741.

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

Radios of the 1930's are the feature of this month's issue. Norman Braithwaite's 4-page article describes the restoration of a rare E.H. Scott 48-tube, three-cabinet, custom receiver. Two other 1930's sets, a Jackson Bell and an Aztec, are covered by Frank Heathcote and Richard Arnold. The Photo Review illustrates items from earlier and later years. Valentine's Day is celebrated with photos from Gary Schneider's novelty collection. Part III of Collecting British Crystal Sets will appear next month.

Antique Radio Classified continues to grow with over 200 classified ads in this issue; 36-page issues may be near.

In the last five months, ARC had welcomed over 200 new subscribers; total subscribers are up by 43% since a year ago. A.R.C. is currently running ads for new subscribers in several publications and at the present time, sample copies are free... so send in a name of a friend and I will send them a free issue.

ARC's exposure nationally has been boosted by mentions in CQ and SKY magazines. The lead article in the current issue of CQ Magazine, *Collecting Old Radio Gear*, shows ARC prominently. The October issue of SKY, the Delta Airline magazine, had an article on collecting Antique Radios and listed ARC as an information source for the collector.

On the Club News scene, I received a notice from the Antique Radio Club of America (ARCA) that 1987 is their 15th birthday. The Spring issue of the *ARCA Gazette* will be a special anniversary issue. Twelve dollars to Bill Denk, 81 Steeplechase Road, Devon, PA 19333 is all it takes to join. (Please mention A.R.C. when writing.)

Thanks, again, to all for your continued support of A.R.C., your renewals, and those extra-word dollars included with your ads.

John V. Terrey

## MISCELLANY

This is the last issue for those with EXP = 8703. 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

## CLASSIFIED AD CLOSING DATES

March, 1987 Issue	February 10
April, 1987 Issue	March 10
May, 1987 Issue	April 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 small amounts for additional words.

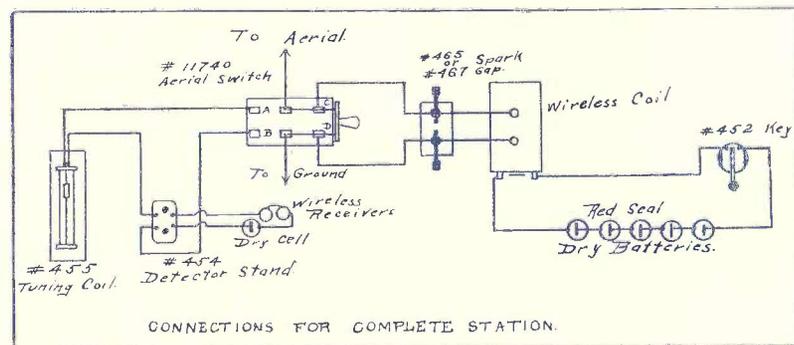
## ON THE COVER

The cover is a contrast to the 1930's radios featured in this month's issue. The drawing is from the front cover of the 1912 edition of the *Manual of Wireless Telegraphy*, published by Manhattan Electrical Supply Co. (MESCO).

I have many "how to" books and catalogs from the early 1900s in my collection, but find the MESCO Manuals to have some of the clearest explanations for the beginner. The early experimenter could get on-the-air with only a few components, which of course, MESCO could supply. These early MESCO catalogs/manuals occasionally turn up and are a valuable addition to a collection of early wireless equipment.

The manual begins: "The field of Wireless Telegraphy is beyond doubt one of the most fascinating for the experimenter and the student of electricity. The possibilities in this direction are unlimited and it remains for the experimenter to bring to light new laws and new systems which are certain to be discovered in the future. The apparatus for experimental purposes has been reduced to simple forms which can be readily understood and operated. The purpose of this book is to describe the operation and uses of the various instruments which are standard at the present time."

## Manual of Wireless Telegraphy, MESCO, 1912



## ANSWERS TO JANUARY CROSSWORD

- |                   |                   |
|-------------------|-------------------|
| <b>DOWN</b>       | <b>ACROSS</b>     |
| 1. JELLO          | 6. BILLYFAIRCHILD |
| 2. THROCKMORTON   | 9. BLACKBEAUTY    |
| 3. WISTFULVISTA   | 13. LUCKYSTRIKE   |
| 4. THEPERFECTSONG | 16. SUPERMAN      |
| 5. ICHABODMUDD    | 17. FREDALLEN     |
| 7. OXYDOL         | 18. OVALTINE      |
| 8. GUNSMOKE       | 19. WASH          |
| 10. HOMERBROWN    |                   |
| 11. ROBESPIERRE   |                   |
| 12. PINERIDGE     |                   |
| 14. SHADOW        |                   |
| 15. JUNIOR        |                   |

# WITH THE COLLECTORS

## The Story of an E.H. Scott 48-tube Custom Receiver

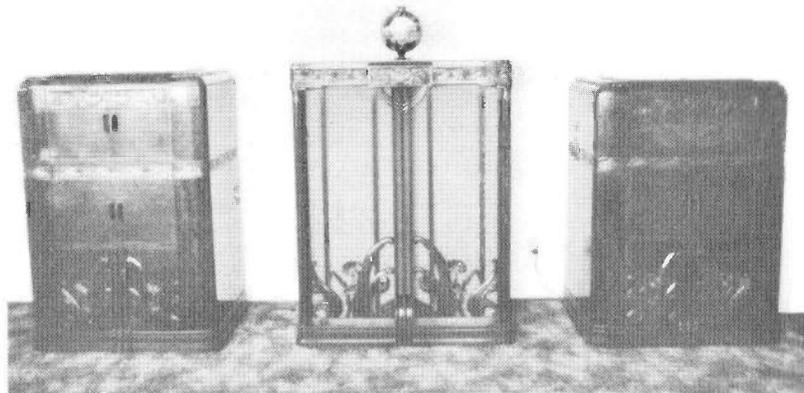
By: Norman S. Braithwaite

Although much literature is available on the E.H. Scott 48-Tube Custom Receiver and the E.H. Scott Quaranta, until recently, none of these sets were known to exist. During the mid 1930s, these sets were the apex of the Scott line of radios. Much attention was given to these sets in newsletters published by the Scott company. Articles bragged of the technical achievements, performance, and perfection of these radios. Several of the comments used to describe these radios are currently used to describe the advantages of compact disc players over conventional recordings! Several years ago, the author located one of the Scott 48-Tube Custom Receivers and has been restoring it ever since. Descriptions of the set components, history, and restoration methods and status are presented here to broaden the knowledge of radio historians and collectors.

Since reprints of promotional articles for the Scott 48-Tube Custom Receiver and Quaranta

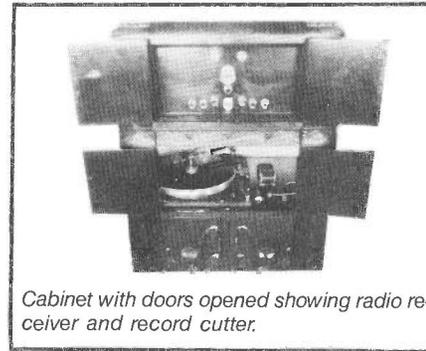
are available from Puett Electronics, descriptions of the set will emphasize the differences and technical aspects of the set.

Unlike the Quaranta pictured in Scott's promotional literature, the set which has been found is housed in three large handcarved consoles. The radio console contains the tuner, crossover, recording amplifier, microphone preamplifier, and relay and filament power chassis along with a Presto transcription disc lathe. This cabinet has two pheasants carved at the top and flowers and leaves carved at the bottom. The top lifts to expose the chrome-plated tuner and crossover chassis. Below the tuner, a section of the cabinet may be pulled out for use as a drawer and logging desk. The sides are veneered in Indian Rosewood, and escutcheons are gold plated. Provision is made for controlling an "outside" speaker from this console. A dual ribbon studio microphone (Amperite SR-80) was included with the recording equipment.



Shown are the receiver, speaker and phonograph cabinets.

The record changer console has the same visual appearance as the radio console; however, it contains a Garrard automatic record changer and a Capehart automatic record changer (the type which plays both sides of a record). No provision is made for record storage.



Cabinet with doors opened showing radio receiver and record cutter.

The speaker console is the same as shown in the Scott promotional literature. This console contains the power amplifier chassis and five speakers: one 18" dye-cast Jensen woofer, two 12" Scott Auditorium "midrange" speakers, and two Jensen horn tweeters.

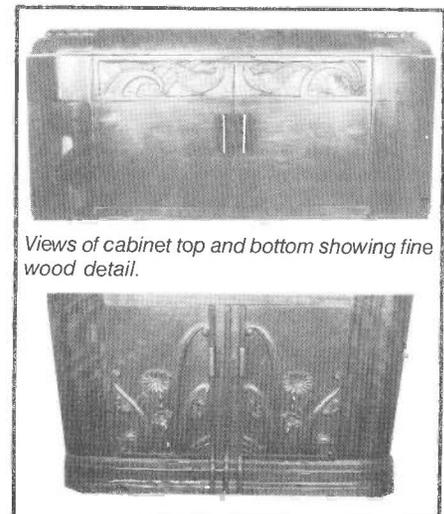
The complete set weighs over 1000 pounds. When new in 1936, the forty-tube Quaranta in two consoles cost \$2500.00 plus tax, shipping, installation and accessories. No information is available on the cost of the Scott 48-Tube Custom Receiver although a price of \$5000.00 to \$7000.00 would not be unrealistic for this set.

The original owner of this set was an inventor and machinist by the name of Elmer Beardsley. He was part owner of the Beardsley & Piper foundry of Chicago. Mr. Beardsley allegedly owned patents on foundry equipment and sold foundry machinery around the world. Mrs. Beardsley, from whom I have received this information, was a concert pianist for the Chicago Symphony Orchestra. The Beardsleys lived in a luxurious house in the Chicago area when they purchased the Scott receiver. Their 5800 square-foot house was finished in fine wood paneling (ceiling included), and their kitchen floor was heated marble.

In the late 1930s, Mr Beardsley purchased a piece of land with a waterfall in a summer recreation area in western Washington. Over the next few years he built an exact replica of

his Chicago house at the base of the waterfall. Picture windows faced the falls. At times his wife had to operate logging equipment to assist in paying for the new house. In 1945 the Beardsleys moved, flying their belongings, including the Scott receiver, to the new house. Both Mr. and Mrs. Beardsley had pilot licenses. Once in western Washington, Mr. Beardsley continued to work diligently using his airplane for transportation. According to rumor, the Beardsleys often entertained Douglas Fairbanks Sr. and Earl Stanley Gardner at their Washington estate. Elmer Beardsley passed away in 1959 from a massive heart attack. Mrs. Beardsley and her sister continued to live at the estate until 1961 when a buyer could be found. During this time the Scott set was placed in the attic.

The estate underwent two changes in ownership with the Scott radio in the attic before it was offered to me. At the time I was working in Seattle for a firm specializing in engineering services for small hydroelectric powerplants. One of our clients, the most recent owner of the Beardsley estate, asked several questions about a cathedral radio which I was trying to pawn off on an associate. He followed the questions with an offer of a three console radio with carved pheasants and flowers on them. I was familiar with the Scott Quaranta from reading Scott promotional literature. I could hardly believe the description, especially considering that there were three consoles. I did, however, calmly commit to looking at them to see if they were anything in which I would be interested.

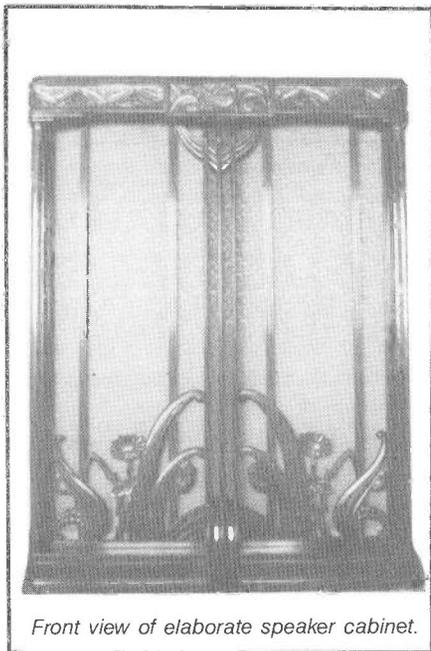


Views of cabinet top and bottom showing fine wood detail.

Several weeks later I inspected the set and confirmed that they were E.H. Scott. I did not purchase the set for several reasons. First, the set was not complete (more on this later), and I did not have the knowledge or resources to complete the set at that time. Second, I had no place to put the set in the small house in which I lived. And finally, my meager counter-offer was refused (I am ashamed to confess how meager this counter-offer was)! The owner of the estate did, however, leave me with the thought of converting the set into a bar.

After several months of worrying about radios being converted into bars, I decided to call John Eckland and let him have a go at the set. This was better than the certain demise of the set. John bought the set for \$600.00, and I was given first right of refusal, should he decide to part with it. After several months, John traded the set along with others to Alan Eaton for Alan's '57 Corvette. I did not have a '57 Corvette to ante up! Alan did, however, keep me in mind. Several months later he sold the set back to me at a price considerably greater than John's \$600.00 purchase price (by this time the set was substantially complete).

When the set was first purchased by John Eckland, it was far from complete and original. In fact, what John actually bought were the cabinets. At some time in the early 1950's



Front view of elaborate speaker cabinet.

Mr. Beardsley was talked into purchasing some new Newcomb hi-fi (garbage) components and Electro-Voice triaxial speakers. These were hastily installed into the radio and speaker consoles, replacing the original tuner, crossover, power amp, and speakers. These original components have not yet been found and are probably rusting away in the humid storage room or garage of some old western Washington radio shop.

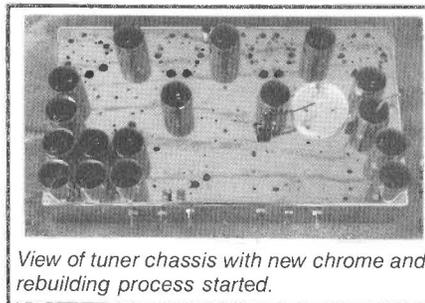
In the late 1970's, the set was further dismantled when the individual who owned the Beardsley estate traded the set for some contemporary top-of-the-line stereo equipment. Apparently the salesman knew of Mr. Beardsley's set and was under the impression that the set was complete. The disgruntled salesman took the Presto record lathe, Capehart record changer, recording amp, microphone preamp, relay supply, and one Scott Auditorium speaker in trade. Thus, only cabinets were left! By the time John arrived to pick up the cabinets they had been moved from the attic to a detached garage open to the weather. The wood swelled, rendering the doors marginally operable, and the set was decorated with pigeon excrement and carpenter ants.

Once rescued, restoration began. John moved the set to California where the wood dried, and doors again worked. The set was cleaned, and the original finish was found to be in very good condition. An intense effort was launched to locate chassis and parts. John had me seek and find the original record cutter, changer, and chassis traded for stereo gear. The still-disgruntled salesman held us up for \$300.00 for these items (which were of absolutely no use to him and were miraculously still in the back corner of his shop's basement). John acquired a 1937 Imperial tuner chassis complete with faceplate (which fit perfectly) and escutcheons. He also picked up two complete sets of 1935 Imperial chassis and speakers for needed parts. After buying the set back, I purchased Earl Englund's Quaranta chassis. These chassis consisted of a tuner, crossover, power amp, and Imperial power supply. All chassis were extensively modified, however the tuner and crossover modifications were by the Scott factory to update the set.

All six chassis required rebuilding and replating when acquired. At the time of this writing, four of the chassis are unique (no others have been found) and without schemat-

ics. The tuner chassis was used in the 1937 Imperial sets; however, no schematic is available. The microphone preamp was used in some Philharmonics, and the schematic is published in Scott literature.

Presently, four chassis have been rebuilt and replated. These include the tuner, record amp, microphone preamp, and relay power chassis. To accomplish the restoration, wiring diagrams were drawn, and every component was removed. A schematic was drawn if required. The chassis and other plated parts were taken to a chrome shop for replating. When back, the components were replaced. Where rivets were originally used, they were replaced with new nickel-plated hollow brass rivets (the same kind). Paper capacitors were replaced with new mylar types. Resistors were checked and replaced if bad or off value. Transformers and coils were checked and replaced with original Scott types where required. Ground returns were soldered, and the tuner chassis was aligned per instructions for the 1936 Imperial tuner.



View of tuner chassis with new chrome and rebuilding process started.

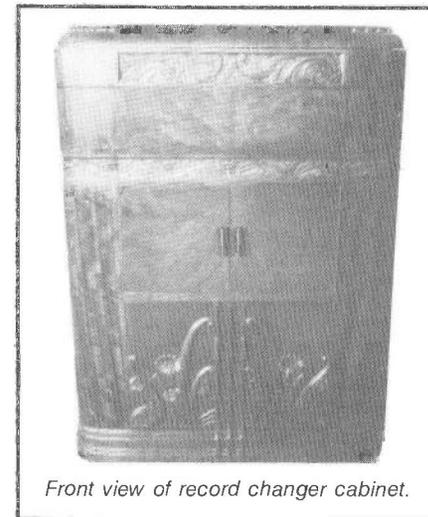
A number of interesting practices were found when rebuilding the chassis. Some of these include:

- The recording amplifier was made by modifying a finished Imperial power supply and amplifier chassis.

- A dummy speaker (12" Scott Auditorium speaker with its voice coil disconnected) was used for the output transformer to drive the cutting head and for a filter choke. This speaker was mounted in the bottom portion of the radio console, facing the side of the cabinet.

- No AC wires (other than signal) passed between the radio console and the speaker console containing the power amplifier. Power for the amplifier was switched using a DC relay.

- The power amplifier is constructed similar to two Imperial power supplies side by side.



Front view of record changer cabinet.

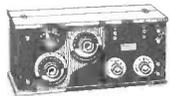
Upcoming tasks include restoration of the power amplifier chassis, crossover chassis, and wiring of the set. Schematics have been drawn for the crossover, recording amp, microphone preamp, and relay supply. Other schematics have yet to be drawn. Tube diagrams and functions will be released when the schematics are finished.

**About the author:** Norman S. Braithwaite has been collecting radios for about twelve years. He presently has a fine collection of Scott and McMurdo radios. As a service to collectors he offers consultation on the restoration of Scott radios and the acquisition of needed parts. Visitors are welcomed to view his collection by appointment only. He may be contacted at: P.O. Box 2443, Redding, California 96099

(GBS)

*"The Fine Things Are  
Always Hand Made"*

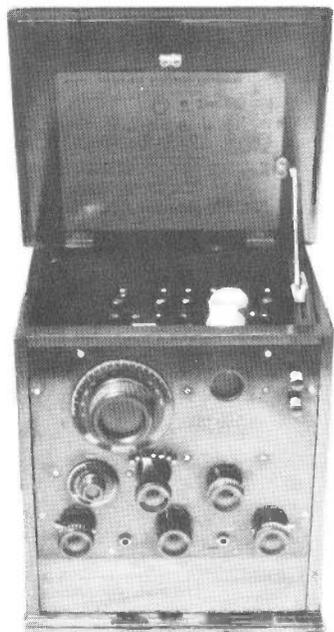
E.H. SCOTT • RADIO LABORATORIES



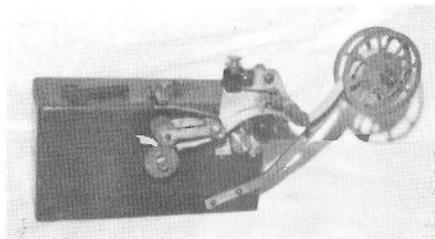
# PHOTO REVIEW



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.



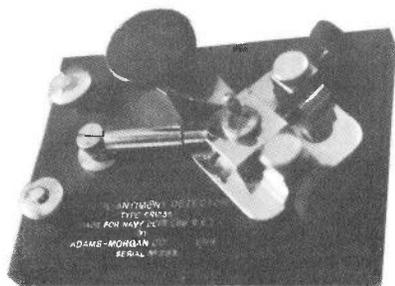
**FEDERAL 110** - (Barry Janov - Des Plaines, IL)



**UNKNOWN TELEGRAPH PRINTER** - Early wooden cased tape printer. Spring wound with key and with regular clock works drive. (Walter Worth - Wollaston, MA)

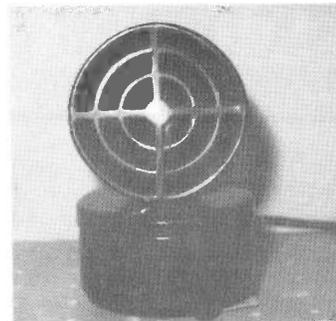


**RCA VICTOR** - All transistor "Strato-World", model 1-MBT-6, of 1956/57. Loop built into flip-up front cover. Seven bands, TRF front end - very "hot", good audio quality. Uses nine D cells. About the size of a Transoceanic. (Robert Lozier, Monroe, NC)

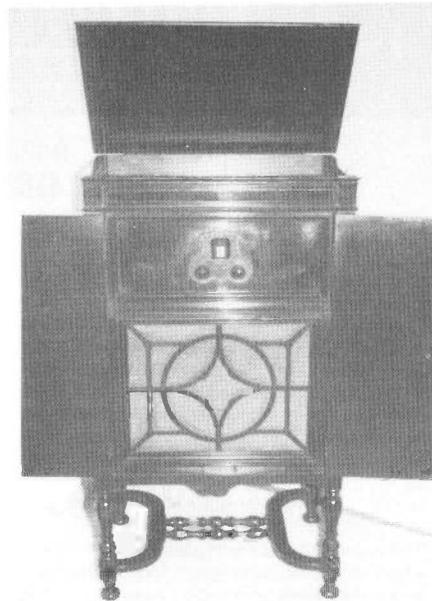


**ADAMS-MORGAN CO.** - Silicon-Antimony Detector, Type CR1235. Made for the Navy Dept. (BU S.E.), 1919. (Jim Kreuzer - Elma, NY)

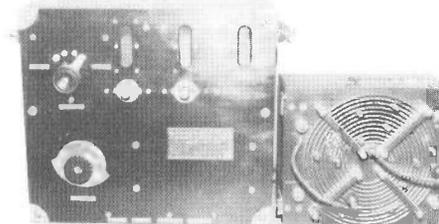
# PHOTO REVIEW



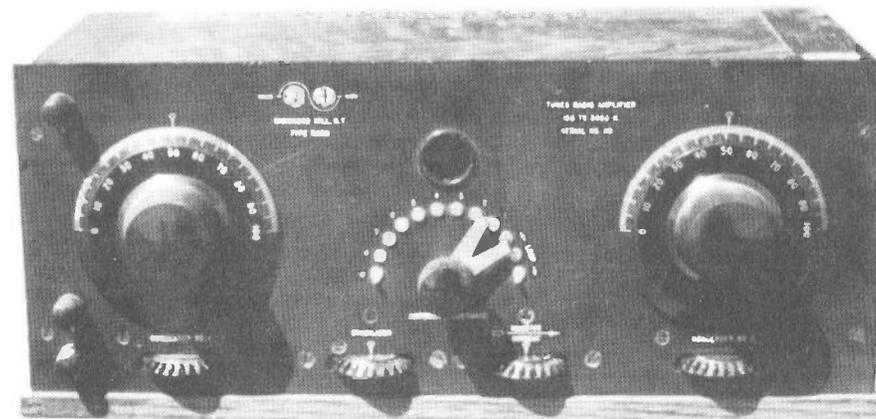
**UNKNOWN SPEAKER** - A small celluloid horn speaker and base, each 3 inches wide. It stands about 5 inches high. Manufacturer unknown to me. (R.A. Hostler - Findlay, OH)



**WORKRITE** - Believed to be a model 48, this set is a TRF using nine tubes. Designed to run on 25 Hz, it was probably built in Canada. The cabinet was made by the Thomas Furniture Co. in Ontario. The tube line-up is six 26's, one 27, one 71A and 80 rectifier. The tuned stages are individually enclosed in copper boxes with removable tops. The set plays as well as most in the 1928 TRF's group. (John Dewit - Beachville, Ontario)



**SIGNAL CORPS** - U.S. Army airplane receiving set, type SCR59, made by Western Electric Co. The last patent date shown is March 2, 1915. With it is shown the SCR65. This is a Signal Corps U.S. Army Radio Transmitter made by Connecticut Telephone and Electric Co. and used by U.S. Army Signal Corps, usually in airplanes. (David McKenzie - Eustis, FL)



**GREBE** - Model "RORN", it is an one-stage tuned radio frequency amplifier. These RF amplifiers were inductively coupled via an output coil to any make of regenerative receiver. The RORN was originally supplied with four different ranges of output coils. The RORN was introduced by Grebe in mid to late 1922. (Craig Huseboe - Marshalltown, IA)



## COLLECTORS CORNER

CONTRIBUTED BY: FRANK HEATHCOTE, 1235 N. 3RD ST., LOGANSPORT, IN

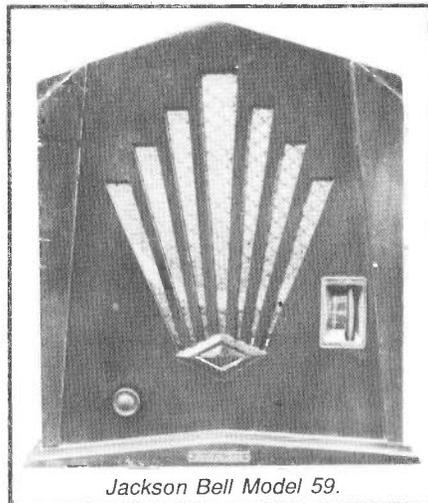
### JACKSON BELL MODEL 59

The Jackson Bell Company of Los Angeles, California, was one of the pioneers of the move towards "midget" radios that became the rage during the early 1930's. The early midget radios were looked upon with scorn by the major radio manufacturers of the day. But radios like the Jackson Bell model 59 were eagerly bought by the less wealthy and as a second set by the well-to-do. They were also very popular among apartment dwellers. The major manufacturers could not ignore the growing sales of the midgets, and by mid-1931 most had introduced models of their own.

The model 59 was introduced in late 1929, selling for \$59.50. In comparison to later midget sets, it was quite primitive. It uses seven tubes; a 26 in each of the two RF stages, a 27 as detector, another 26 in the first AF stage, two 71A's in the push-pull output stage, and an 80 as rectifier. Both audio stages are transformer coupled, and the output stage feeds a magnetic speaker. Little filtering is needed by the magnetic speaker so only a 2 Mfd. and a 4 Mfd. paper condenser are used along with a filter choke. Volume is controlled by simultaneously varying the bias on the RF tubes and shorting out the input signal at the antenna.

I was rather surprised at the performance of the model 59. It was better than I had expected. Although sensitivity was adequate on the high end of the dial, below 850 KHz it was very poor. An alignment job might have cured this. Stations in South Bend, Chicago, and Indianapolis were received in the daytime with sufficient volume for comfortable listening. Increasing the volume too much caused regeneration on distant stations or overloaded the speaker on the nearby ones. For a magnetic balanced armature speaker, tone quality seemed better than most.

The next Jackson Bell model, the 60, was very similar to the 59. In fact some 59's were remarked as 60's and most of the model 59's shortcomings were rectified. A regeneration control was added, the magnetic speaker replaced by an electrodynamic, and the 27 detector tube replaced by a type 24.



Jackson Bell Model 59.

The early Jackson Bell midget cabinets were a simple, easy to manufacture, art deco style. The finish seems to be more paint than a stain, and the wood underneath is very light in color and weight. I had a model 60 in my collection at one time that was done in black with silver lamé (a cloth interwoven with metallic threads) grille cloth and white pin striping. It was original and very striking, but the finish was in poor condition.

The Jackson Bell model 59 seems to be quite a bit rarer than the model 60 and the much more common model 62. All are hard to find in good shape on account of cheap construction methods. The 59 and 60 seem to still be reasonably priced as most collectors don't care for the styling. They are probably the easiest-to-find examples of a really early midget radio.

In the next installment of "Collectors Corner" the Crosley Model 122, the "Super Buddy Boy", will be featured. (Frank Heathcote)

The Collectors Corner will appear as a regular feature of *Antique Radio Classified*. It is an attempt to build knowledge and interest of radio collectors primarily in AC home receivers of the late 1920's to the 1940's, with emphasis on the lesser known and more unusual styles and brands. Helpful restoration hints will be given where possible. Any questions, comments, or suggestions on this column, the radios featured, or on any other radios may be sent to Frank Heathcote, 1235 N. 3rd St., Logansport, Indiana 46947. Please include a self-addressed stamped envelope for reply.

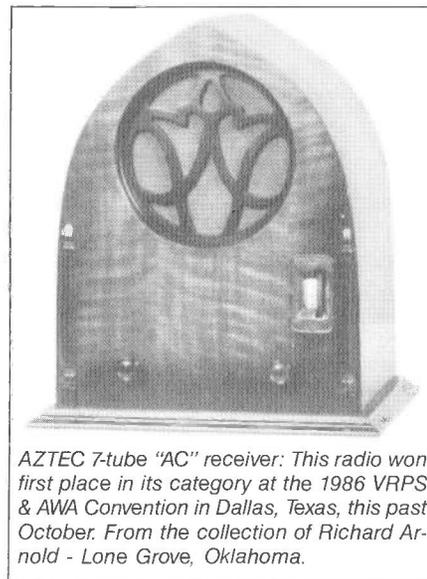
(GBS)

## WITH THE COLLECTORS

### The AZTEC 7-Tube "AC" Radio

By: Richard Arnold

"The 1930 Aztec 7-tube "AC" radio was made by Fred W. Stein, the genius who designed the Steinite radio and offered the world the first electric receiver. Mr. Stein believes this radio to be his greatest radio moment." At least this is what a Burstein-Applebee advertisement proclaims. The receiver was priced at \$38.70 wholesale to dealers and came complete with seven tubes. The list price was stated as \$64.50.



AZTEC 7-tube "AC" receiver: This radio won first place in its category at the 1986 VRPS & AWA Convention in Dallas, Texas, this past October. From the collection of Richard Arnold - Lone Grove, Oklahoma.

The advertisement boasted twelve reasons for its superiority, they were:

1. Genuine Walnut Gothic Design Cabinet
2. Magnavox Lifetime Dynamic Speaker
3. Push-Pull Amplification with 245 Power Tubes
4. Three Stages of Tuned Radio Frequency
5. Screen Grid Tubes as Power Detector
6. Uses Balanced Radio Frequency Coils
7. Sturdily Constructed Shielded Steel Chassis
8. Operates with Single Dial Control
9. Kilocycle Dial for Accurate Tuning
10. Has Efficient Sensitivity Control
11. Illuminated Dial for Easy Tuning
12. And also has New Tone Control

Who is Fred W. Stein? He was a self-taught electronics engineer with an eighth-grade education. He made a fortune in radios in the 1920's and lost it in the Depression. He came back with a device to measure moisture content in grain.

As a boy he played with telegraphy and then wireless transmission. After receiving his eighth grade diploma he served a three year apprenticeship with the Kansas Railway, Power & Light Co. in Atchison, Kansas.

In 1908 he and a friend started an electrical business, and soon afterward he broke away and set up his own electrical contracting business. He sold Galena crystals for 50 cents or 3 for a dollar. A large ad in the Kansas City Star brought him a surprisingly large response, and he sold his "Long Range Crystals", 1,000 mile range, by the thousands. Luckily, not many people complained.

When WW-I came he joined the Navy. By 1921 he was back home making crystal sets. In 1926 he marketed the first electrical radio in the United States which operated on batteries. Then next year he marketed the first radio that worked on household current, called the "Steinlite."

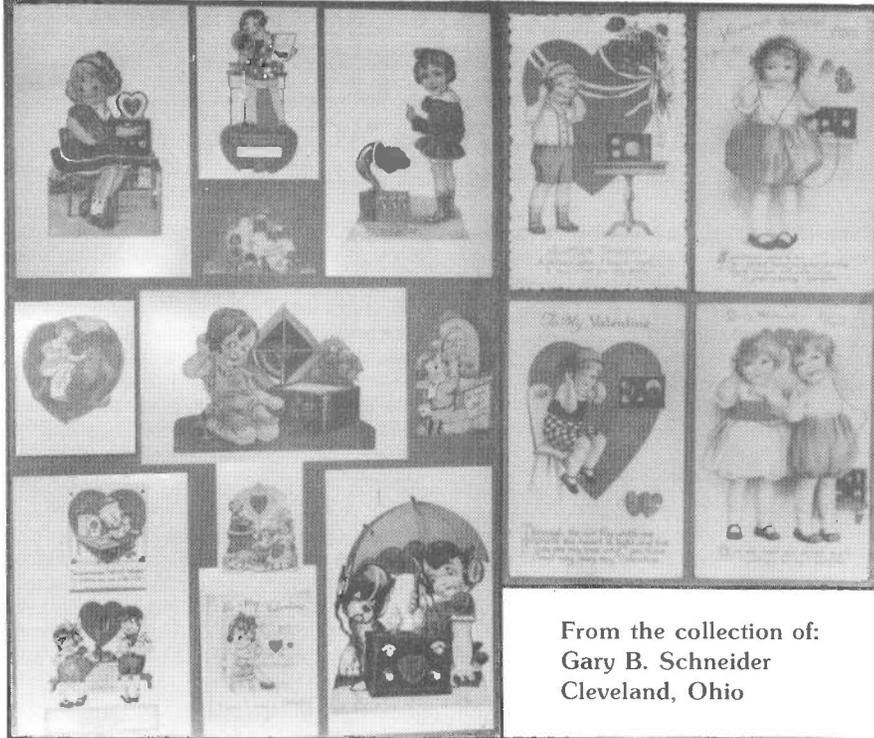
His payroll reached 1,185 employees, and he was making 20,000 radios a month before the radio market went down in the depression. He lost his factory which moved to Ft. Wayne, Indiana, after being sold to a Chicago company.

Mr. Stein started making a few sets under his name, Fred W. Stein, in 1930/31, but he went bankrupt. Mr. Frederick W. Stein Sr. died in Atchison, Kansas, November 27, 1972, at the age of 84.

Contributed by Richard Arnold - Lone Grove, Oklahoma. Additional information supplied by Dr. Robert A. Lane of Kansas City, Missouri.

(GBS)

## Collecting Radio-Related Valentines



From the collection of:  
Gary B. Schneider  
Cleveland, Ohio

As this is the month of February and this is also the month in which Valentine's Day occurs, perhaps you may be interested in seeing a side-line to collecting radios in which I find much enjoyment. Several years ago while attending a local flea market looking for radios, I became discouraged because I couldn't find any. Rather than call the day a waste I started to look at those dealers who had paper items and postcards on their tables. Thumbing through the postcards I found a Valentine postcard that had a radio pictured on it. So I bought it for a few dollars and at the same time, without realizing it, started a new collecting passion - namely that of collecting postcards and Valentine's Day cards showing radio-related scenes on them. Since then I have acquired 16 different Valentines, paying as much as \$25 for a mechanical type from Germany. The photos show some of them; however, I confess that the quality of the photos is not too great. However, they will give you an idea of what is out there in flea-market-land. So the next time you can't find any radios while flea market hunting, don't forget there are many other interesting items that can be found to compliment your collection. And if they aren't of interest to you, there are many collectors who would love to add them to their collection.

*About the writer: Gary Schneider, Assistant Editor of A.R.C., has been collecting radios for eighteen years, and for the past five years actively collecting radio-related novelty items. He invites suggestions, comments and contributions for future "Collecting Radio Novelty" columns. Write to: Gary B. Schneider, 9511-23 Sunrise Blvd., Cleveland, Ohio 44133*

(GBS)



### CALIFORNIA - FEB. 28 CHRS

SWAP MEET, AUCTION & CONTEST

Foothill College  
Saturday, February 28

For Information, contact Paul Bourbin  
25 Greenwood Ct., SF, CA 94131

### MARYLAND - FEB. 21

MID-ATLANTIC RADIO CLUB  
MAARC MEETING

Laurel, Md. - Applied Physics Lab.,  
Johns Hopkins Univ. - 7 p.m.

For Information, contact: Joe Koester  
249 Spring Gap South, Laurel, MD 20707  
Tel: (301) 725-4229

### 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

### 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

### RADIO CLUB LISTINGS

(CLUBS: Send club and meet information to  
A.R.C. for inclusion 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.

**California Historical Radio Society  
(CHRS).** Paul Bourbin, 25 Greenview Ct.,  
San Francisco, CA 94131. Pub: *CHRS  
Journal*, quarterly. Dues: \$12.50. Quarterly  
swap meets.

**Indiana Historical Radio Society (IHRS).**  
Marilyn B. Johnston, R. 1, Box 218-A,  
Windfall, IN 46076. Pub: *IHRS Bulletin*,  
quarterly. Dues: \$8.00. Quarterly swap meets  
in various areas of state.

**South-East Antique Radio Club.** J Sherrod,  
4419 15th Ave. S., St Petersburg, FL 33711.  
Club being formed. Lets try for a first meeting  
and swap meet in Tallahassee in June 1987.

### TEXAS - APRIL 25

HOUSTON VINTAGE RADIO ASSOC.  
ANNUAL SHOW & AUCTION

Memorial City Shopping Center

For information, contact:  
Ron Taylor, 12407 Mullins  
Houston, TX 77035

### 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 3½ inches. Custom ads made to order, send sketch of your ideas for quote.

**FOR SALE:** Kolster 6-D. Bosch Cruiser. Hammerlund SP-600JX. AR-812, complete, cabinet fair cond. Silver-Marshall Model A chassis & speaker, works. O'Neal speaker table. TV-7U/B tube checker. Philco and other early AC & battery tombstones. Photocopies of Radiola, Philco, Crosley and RCA service literature, illustrated. Remler Superhet, no cabinet. Early Seeburg jukebox amp. L'tatro 32v tombstone. National RBL-2 long-wave receiver. Zenith 6S254 chassis w/spkr, works. Zenith 7S260 chassis w/spkr for parts. Complete set of coils, var. conds., rheostats, knobs, metal panels and base board for Neutrowound C-8. Hallicrafters SX-28A w/spkr. Crosley 635 chassis & spkr, works. AK Type N spkr. AK dial and 3-gang var. cond. for Model 376. International Radio Corp. Model 53 tombstone, good cond. Peerless dynamic spkr series C. Philco and other AC and battery chassis & spkrs. Early test equipment, misc. coils, conds, rheostats, knobs, variometers for early battery sets. SASE. Carl Bockock, 414 Brookside Terr., Moore OK 73160. (405) 794-8033

**WANTED:** Knobs for Crosley tap switches and regen. controls. Also, Crosley tap switch parts. Rodney Schrock, 402 Lincoln St., Somerset, PA 15501

**WANTED:** Large plastic escutcheon for GE Model H-116, F.O.S. pg. 92. My dial is cracked. Will pay top dollar! Gene, 158 Alpine Terr., San Francisco, CA 94117. (415) 863-0616

**FOR SALE:** Newcombe Halley drum spkr, exc - \$40. Arbocone spkr, mint - \$45. Silver Cockaday S-C receiver - \$90. Radiola 17, works - \$50. Grunow horn, mint - \$95. Gary Hill, 1507 Ridge Ave., New Castle, PA 16101. (412) 654-9335

**FOR SALE:** Concertone 20/20 recorder with factory installed stereo playback conversion. Exc. cond. with stand. Henry Schwartzman, 133 W. Fourth St., Corning, NY 14830

**WANTED:** Tone beam tube for AK812. Wurlitzer jukeboxes manufactured before 1950. John Chamblin, 2233 Kingsridge Drive, Wilmington, DE 19810. (302) 475-8462

**WANTED:** Phono needles, all types. Send name and model number to Needles, 216 Broadway, Westville, NJ 08093

**FOR SALE:** Crosley 51S - \$75. Paragon RB2 - \$200. **WANTED:** Early Ace radios made by Precision Equipment Co. Craig Ball, 10101 Oak Hollow Circle, Austin, TX 78758. (512) 835-7292

**WANTED:** For Paragon Type 2: small knob with arrow, copy in lid instruction. For Superior TC 55: tube chart copy pages 3,8 and up. 1:3 audio transformer, encl. and nonencl. Speaker grille cloth for RE45. W. Vanderlaan, 425 Major Andre Road, Virginia Beach, VA 23462

**WANTED:** AK55 cabinet. Antenna for Zenith Trans-Oceanic. Riders 12 & 14 for 16 & 19. Edsel Erwin, 6384 N. 6th, Fresno, CA 93710

**FOR SALE:** Mirror in the lid TV. Sparton mirror radio. Philco clock lamp radio. These and more advertised in recent or future NFWA Chronicles. To join NFWA and receive quarterly mailings, send \$6 to Dick Schamberger, 515 Crescent Ave., Buffalo, NY 14214

**WANTED:** Coca-Cola and Pepsi cooler shaped radios. Trophy baseball and Hopalong Cassidy radios. Ed Levin, 13826 Ventura Blvd., Sherman Oaks, CA 91423

**WANTED:** Grunow console radio, Model 1241. Has triple speaker system; does not have teledial. Would like complete set with cabinet. Lawrence Jenicke, 4126 E. Millbrook Rd., Mt. Pleasant, MI 48858. (517) 773-2794

**WANTED:** 4 good WD-11's. Will buy or have 99's to trade. Jim Caraway, 610 Ashford Rd., Wilmington, DE 19803. (302) 571-9062

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Dials for Westinghouse Aeriolas Jr. & Sr. and Colin B. Kennedy Models 5, 110 & 220 and the amplifiers. Also, Atwater Kent breadboard blanks for all models except the 10 & 12. Roland Matson, RFD #1, Box 2943, Kennebunk, ME 04043. (207) 985-3751

**WANTED:** Audio output transformer with tap for Philco 41-295, #32-7981 or 32-9508. Larry Anderson, 3453 Balsam NE, Grand Rapids, MI 49505

**WANTED:** Instruction manual for B & K Model 850 Color Analyst. Robert Trimmer, 218 Sixth St., Green Brook, NJ 08812

**FOR SALE:** One tuber, 201A, home brew, works fine, no cabinet - \$32. Thompson 6-tube 3-dialer, w/o tubes - \$60. Garod 6-tube 2-dialer 1926-27 w/o tubes, no cabinet - \$50. List 50¢ and SASE. Chet Wisner, 1014 Main St., Dalton, MA 01226

**FOR SALE:** 7 early phone plugs & 12 jacks - \$15. 800 radio tubes, 1930-1960 - \$250. Sangamo DC amp-hour meter - \$35. Plus shipping. F. W. Chapman, Apt. B 218, 1130 N Lake Parker Ave., Lakeland, FL 33805

**WANTED:** Electrolytic capacitors, 30 mfd 300 volts, 30 mfd 200 volts, 30 mfd 150 volts, 50 mfd 25 volts. Roy Cameron, 114 E. Second St., Pana, IL 62557

**FOR SALE:** 75S-1 w/sw xtals/spkr. Levy, 8 Waterloo Dr., Morris Plains, NJ 07950. (201) 285-0233

**FOR SALE:** Tubes, radios, test equipment & various electrical gadgets. Large SASE for list. J. E. Kendall, PO Box 436, Fallston, MD 21047

**WANTED:** Copy of schematic and/or assembly instructions for Remler (Gray & Danielson) superhet which uses seven UV199's and one 201A tubes. Any info or advice appreciated in restoring this basket case. John Hutchins, 9417 N. Rich Rd., Alma, MI 48801

**FOR SALE:** S-C 1918 oak wall phone. Splitdorf. Freshman. Clough-Brengle. Sierra. Marantz 18. Fisher Tube Audio. H.H. Scott. Heathkit. Lafayette. Philips. Stax. List SASE. Dave Minchella, 80 Campfire Rd. N., Henrietta, NY 14467

**WANTED:** One round tube shield with excellent chrome for Scott radio. Jim Traynor, 3198 Boudinot Ave., Cincinnati, OH 45211

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

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Very rare Duplex phonograph - \$4000 B.O., but will give priority to deals involving pre-war TV's. Jim Clark, (517) 323-9595

**WANTED:** ARRL booklet "How to Become Radio Amateur" circa 1933-1936 receiver article using two 56 tubes, copy OK. John Richardt, Jr. 94 Bald Eagle, Hackettstown, NJ 07840. (201) 852-3475

**FOR SALE:** New TV yokes, flybacks 1948-1970. **WANTED:** Old or unusual tubes, colored glass, sodion, Deforest, etc. Can be good or dud. Also interested in tube collections. Bob Dobush, 3554 W. 105, Cleveland, OH 44111. (216) 228-4953 eves.

**WANTED:** B.C. & S. W. osc. coil for Stromberg-Carlson Model 61Y. Speaker for AK Model 60. Homer V. Autry, 101 Palm Tree Dr., Thonotosassa, FL 33592. (813) 986-5509

**FOR SALE:** Philco toning lacquer as used originally by Philco and other manufacturers to get that dark finish, is now available in spray cans. Brown mahogany or medium walnut - \$5 per can plus shipping. SASE for list of other shades and info on how to use. Vintage TV & Radio, 1204 Andrews, Lakewood, OH 44107

**WANTED:** Manual for an EICO Model 147 signal tracer, copy ok. Tone arm and bell horn for R-3 Dictogrand speaker. AK breadboard parts. Marc Ingenthron, 9215 W. 83rd St., Overland Park, KS 66204

**AVAILABLE NOW  
QUALITY REPRODUCTIONS  
FAMOUS FULL COLOR  
MAGNAVOX LION DECALS FOR  
RESORING THAT SPECIAL HORN.  
PT. #A171347-B - \$7.50 EA.**

**DIAL SCALES  
PHILCO #27-5031, #27-5197,  
#27-5210 - \$7.50 Ea. MDL 20  
Eycleted to your tuning ring - \$8.00 Ea.  
RADIOLA MDL. 16, 17, 18, 41 & 60  
SPARTON MDL. AC-62 & AC-7  
ATWATER KENT MDL. 55 & 60, ETC.  
\$7.50 Ea.  
Add \$1.00 for shipping & ins.**

**NEW OLD STOCK: "CANNON CHIEF"  
EAR-PHONES, HI-IMP. 2000 OHMS  
\$14.95 plus shipping.  
Specify PINS or PLUG.**

**BATTERY ELIMINATORS  
"A", "B" & "C" for any Antique Radio.  
Large SASE required for info.**

**C. A. BLAIS  
613 JUNIPER DRIVE  
O'FALLON, IL 62269**

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE/TRADE:** Federal 110 - \$400. Echophone V3 - \$175. Midwest MW, one tube socket not original - \$100. 1950 Wallphone type radio - \$40. Zenith red/black/chrome plastic M403 - \$25. Zenith white plastic K412W - \$20. Sylvania yellow bakelite 599YE - \$25. Silvertone brown bakelite midget radio - \$20. **WANTED:** Zenith 829, novelty, character and/or Catalin radios. Jim Thompson 4238 15th Ave. S., Minneapolis, MN 55407. (612) 822-4000.

**WANTED:** I am looking for a dial with readable markings for a Philco 60. Will take a junker if it has a good dial. **FOR SALE:** Air Chief R-316, includes service data sheet and original schematic. Broadcast band okay, short wave bands repairable. Includes tubes - \$25, plus shipping. Will consider trade. Paul Dilliard, 1313 E. Wheeling, Lancaster, OH 43130. (614) 653-5268

**AUCTION:** The Glenn Baird Estate Antique Radio Auction will be held March 28, 1987 at the Gene Harris Antique Center, 203 South 18th Ave., Marshalltown, IA 50158. Write the Antique Center for a listing.

**WANTED:** Cabinet only, table model for Philco Model 39-331, 39-30, (Transitone 30T, 1938) (1940 Model 255T) 42-355. See F.O.S. pages 125, 129, 132. State price and condition. James D. MacDonald, RR#1, Glendale, N.S., Canada B0E 3L0

**BOOKS FOR SALE**

*New Wireless Pioneers,*  
**James and Felicia Kreuzer,**  
have acquired the inventory of the late  
**A.D. Santmasso,**  
and the Radio-Telegraph-Electricity section of  
**The Franklin Institute Library.**

**We have put together a list of rare and desirable books. If you want to get on our mailing list, send a SASE for our list, along with your wants for our files.**

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**CLASSIFIED ADVERTISEMENTS**

**HAS YOUR SUBSCRIPTION EXPIRED?**

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Renewal rates are:  
\$18.00 for Second-Class Mailing  
\$24.00 for First-Class Mailing

**FOR SALE:** Westinghouse Model H706T5 ivory plastic, 5-tube, twin speakers, AC, AM, plays, 13"x8", fine - \$37. Philco Model 49-603 5-tube AC/DC, 12"x6"x4" high, tan leather top & bottom, brown bakelite case, fine, plays, gold grille heavy - \$30. RCA Victory Model 9X572 5-tube AM, AC, two-tone tan, gold 3-ring speaker, good, plays, Flick of Switch pg. 161 - \$45. Echophone radio Model EC1, 6-tube, ammeter, rec. 12"x10" metal, plays, Flick of Switch page 248 - \$65. 5 Brass blade fans, polished blades fine, run - \$300, plus UPS \$20. Zenith portable, maroon plastic, black handle 10 1/4", square bars 5"x4" chrome grille, 8"x6"x5 1/4", DC, has old 67 1/2v, two 1/2"x4" long No. 62-27 Wards Airline batteries, fine, plays - \$45. Old bicycle radio light 10"x4" pale green, white plastic 2-D 1-9v, light works, radio has sound, fine - \$30. Edison Mabry, 715 W. Longview, Mansfield, OH 44906. (419) 526-1175

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Old galena crystal detectors in original package with crystal set diagram - \$3.50 ppd. 1924-1950 radio magazines. SASE. Bill Rolf, 30131 Center Ridge, Westlake, OH 44145

**WANTED:** Michigan MRC 4 chassis. DeForest D-10 crystal detector and front panel or complete chassis. Paragon IIIA cabinet or detailed dimensions if possible. 17" Philco Predicta front picture tube mask and cabinet back. Please help if you can. I will cover the cost of your phone calls and stamps. Thanks. David Christensen, 362 Charlson Dr., Red Wing, MN 55066. (612) 388-3076

**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:** Atwater Kent cathedral radio speaker, Model 84. Tone arm for Victrola console radio Model VE7-11X. Cabinet and speaker for Philco, Type 16 chassis. Speaker for AK Model 55. Speaker for Zenith Table Model SS-228. **FOR SALE:** 16" E. T. old radio programs. George E. Brehm, 13402 Leibacher Ave., Norwalk, CA 90650

**FOR SALE:** Hallicrafters S-20R Sky Champion, very clean and working - \$75. SX-25 Super Defiant, excellent condition - \$100. SX-99, clean and working - \$100. Two S-46B speakers, very clean - \$35 ea. Offers and trades welcome. Photos available on above equipment. **WANTED:** Hammarlund HC-10 and/or SPC-10 SSB converter. Frank Orcutt, 2214 1/2 Santa Clara, Alameda, CA 94501

**WANTED:** Steinite Filament Voltmeter 900 series model. AK RF Stage #2 (#3972). Bob Nicholson, 3423 Long, Topeka KS 66605

**FOR SALE:** Many NOS TV flybacks, yokes. **WANTED:** Pre-1930 unusual, old, or colored glass tubes, American or foreign, good or dud. Thanks. R. Dobush, 3554 W. 105, Cleveland, OH 44111. (216) 228-4953

**WANTED:** Italian WWII era military receivers or transmitters. Parts, manuals, photos, etc. Tom Norrie, 1174 Yale Avenue, Wallingford, CT 06492

**WANTED:** 1930's RCA record changer. Lincoln Symphonic. Parts for Masterpiece V. RCA remote control. T. Peterson, 800 126th Ave. NE, Blaine, MN 55434

**WANTED:** Original speaker and control knobs (2) for General Electric AM model KL-51. S. Fleming, 897 Isabel St., Woodstock, Ontario, Canada N4S 2A7

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** 1926 Arborphone (Precision Products Co.) **WANTED:** One good Rainbow 01A. Richard Arnold, Box 275, Lone Grove, OK 73443

**WANTED:** Murdock two-slide tuning coil, detectors, etc. Also want McCarty wireless items. Richard Groshong, 6604 Kent Dr. NE, Cedar Rapids, IA 52402. (319) 377-3144

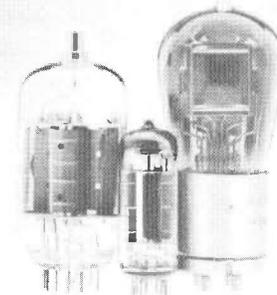
**FOR SALE:** Ikoflex camera, old. Box camera, old. CRG flex. camera, old. Camera used in WWII. Odd transmitter tubes. Old GE table TV. Russ Schoen, R#1, Clintonville, WI 54929

**WANTED:** Radiola X chassis for parts. Gordon Wilson, 11108-50 Ave. Edmonton, Alberta, Canada T6H 0H9

**WANTED:** AWA's, "The Old Timers Bulletin" 1983 through 1985. Dick Randall, K6ARE, 1263 Lakehurst Rd., Livermore, CA 94550

**FOR SALE:** Riders Vol. 1-23, radio tubes, Radiola 17, AK 20, AK 92, AK 42, AK 70. Freshman Masterpiece. All radios work. Also service manuals. All items B.R.O. SASE for reply. Stevens, 69 Porters Pt. Rd., Colchester, VT 05446. (802) 863-3226

**WANTED:** SW3 receivers, any condition, parts and accessories. High quality, hi-impedance head phones. Hallicrafters SX28A receiver in excellent condition. D. Showalter, 36308 Panorama Dr., Yucaipa, CA 92399. (714) 797-1782



**TUBES — 2,000 TYPES DISCOUNT PRICES!**

20-pg. wholesale catalog for the radio collector/hobbyist. Antique, hard-to-find and modern tubes. Also transformers, capacitors and parts for tube equipment, and books, etc.

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**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Catelin, Deco, Chrome and unusual/colored plastic radio photos and articles for publishing in Antique Radio Classified. Attention all collectors and advertisers of these sets. I would like to print articles, photos and price guides on this fast-growing aspect of the radio collecting hobby. John V. Terrey, Publisher, A.R.C., PO Box 2, Carlisle, MA 01741

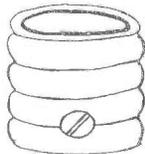
**FOR SALE:** Westinghouse switchboard meters, glass front, 0-150 volt DC, 0-150 amp DC, 0-200 amp AC, 0-800 amp AC, 0-1000 amp AC. About 7" diameter x 4" deep, in working condition, removed from early 1900's power house - \$10 each + shipping (12 pounds). Thorola low loss doughnut coils, complete set of three in original box, never used, with instructions - \$40, shipping included. Mike Martin, 710 Colorado Ave., Louisville, KY 40208

**WANTED:** Schematic for Precision E200 signal generator. Doug Heimstead, 1349 Hillcrest Dr., Fridley, MN 55432

**WANTED:** Will pay top dollar for Crosley Model 11-105-U in mint condition and bright color. Hall A. Acuff, 6833 Dartmoor Way, San Jose, CA 95129. (408) 252-1319

**WANTED:** Clock face and/or clock for Philco grandfather clock using Model 70 chassis. Jim Collings, 12005 Victoria Pl., Oklahoma City, OK 73120

**WANTED:** Knob(s) for Sparton mirrored Model 557/558; has chrome ring insert. Also want any knobs with chrome inserts. Scott Hagerman, 392 Ann St., Cary, IL 60013. (312) 639-7745



**FOR SALE:** Philco Model 39-70 DC cathedral complete, rough - \$25. Philco Model 41-226, nice but untested, complete - \$35. Tom Burnside, 4838 S. Westhaven Dr., Jackson, MS 39209. (601) 922-2235

**FOR SALE:** 1939 Zenith 5R312 deco bakelite, see Johnson's book - \$40. Lighted clock, says "Listen ... And You'll Buy A Westinghouse Radio" - \$105. W.E. 518 horn - \$65. Saal horn - \$30. Magnavox R-3 horn - \$55. Magnavox M1 driver - \$25. **FOR TRADE:** 1938 Zenith 7S240 arm chair with robot dial. 1936 Sparton 1567, 15-tube console with mirrored dial. AK 76 console, mint. Scott Allwave 12 Deluxe in Tasman cabinet. Want interesting deco styled sets, like catalins, chrome fronts, or RCA allwaves on tubular chrome supports. Scott Hagerman, 392 Ann St., Cary, IL 60013. (312) 639-7745

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Rhamstine Adapt-O-Phone horn speaker. Also, AR 114 & AR 102 speaker and phone cords. X-ray tube and fluoroscope. Chuck Strozier, 24100 #E Avenida Rancheros, Diamond Bar, CA 91765

**FOR SALE:** Radio Bar by Radio Bar Corp. with Philco radio, factory installed. Henry Schwartzman, 133 W. 4th St., Corning, NY 14830

**WANTED:** GE E-71 chassis without speaker. Paul Bourbin, 25 Greenview Ct., San Francisco, CA 94131

**FOR SALE:** 3-Volume Set RCA "Red" Service Manual - \$35. Ghirardi's Radio Physics Course - \$8. Everybody's Radio Manual - \$5. Mallory Radio Service Encyclopedia - \$8. Most Often Needed 1926 To 1938 Radio Diagrams, 1944 Ed. - \$20. Glen S. Lee, RR #2, Mt. Brydges, Ontario, Canada N0L 1W0

**WANTED:** Two early style audio transformers for Crosley X. Majestic Model 20 chassis. DeWald Model A500 dial glass or complete set, brown plastic. Steve Baron, 435 Park Ave., Lexington, KY 40502. (606) 269-2832

**FOR SALE:** 30,000 new tubes. Special sale. Last time offered at sale prices. SASE for complete list. Vintage TV & Radio, 1204 Andrews, Lakewood, OH 44107. (216) 226-4054

**WANTED:** I am desperately seeking the original speaker cloth for a Kennedy Model 632 (chassis is Model 32), 1930 low boy radio. If you have such a radio and are willing to sell the speaker grill with cloth, please call me collect. Tim Peterson, (612) 434-4444

**FOR SALE:** National FB-7, pwr sup, 2 coil sets - \$200. Magnavox R-3 horn - \$75. Kennedy 220 - \$450. Modern Electrics, Popular Radio, Radio News, Radio Craft, QST, books, other hardware. Large SASE for list. Bill Wakefield, 1753 Kimberly Dr., Sunnyvale, CA 94087. (408) 746-0873.

**WANTED:** I'm looking for someone with an incomplete or junker Atwater Kent breadboard that you meant to fix up, but is now gathering dust. Help! I need those parts! D. Crocker, 6 Old Farm Rd., Duxbury, MA 02332

**WANTED:** 1914 Clapp-Eastham radio. Fred London, 3716 South Country Club Way, Tempe, AZ 85282. (602) 345-1091

**FOR SALE:** Majestic 50, various GE, Philco cathedrals in fair condition - \$20 to \$25. **WANTED:** Dial glass for Philco 41-295, part #27-5658. Allan Hibsich, 4 LaForet Court, Oroville, CA 95966. (916) 589-0138

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Rare swivel, screw-in, AC plugs. Used on earliest power packs and AC radios. Unused, mint - \$11 ea., 2/\$20. Don Diers, 4276 N. 50 St., Milwaukee, WI 53216

**WANTED:** Crosley 51 cabinet. Also the larger carbon tuner plate, mine is broken. Carl Reinke, 2724 No. 27th St., Sheboygan, WI 53083

**FOR SALE:** Philco TV Model H-2010, sound, no picture. Make offer. Bill Thompson, 1095 NW 147 St., Miami, FL 33168. (305) 685-1993

**WANTED:** 1933 and 1934 Crosley tombstones. Tom Ducro, 3913 Beech St., Cincinnati, OH 45227. (513) 271-0156

**FOR SALE:** AK reprints w/photos, schematics: AK Radio Service Manual, 98 pgs., 1928 factory service manual, covers breadboards to Model 52 - \$11.95. AK Radio Parts List, 64 page companion to above, shows photos of chassis and lists parts for Models 9 to 67 - \$10.95. Both books cover horns, speakers. Price includes shipping. Vintage TV & Radio, 1204 Andrews, Lakewood, OH 44107. (216) 226-4054

**WANTED:** Zenith large floor upright with large round dial. Marcus Frisch, WA9IXP, Box 385, Elm Grove, WI 53122

**FOR SALE:** 1931 Atwater Kent grandfather clock radio with Westminster chimes - \$1200. AK 82 - \$350. Ed Sage, 1781 Helene Ct., Benicia, CA 94510. (707) 746-5659

**WANTED:** Manual, schematic and parts for Precise Tube Tester Series 2101. Riders Vols 16 and up. Herbert Haas, 8516 Thunderbird Ln., Dallas, TX 75238. (214) 341-2708

**WANTED:** Receivers, literature, batteries and accessories from Globe Electric Co., Milwaukee, Wisconsin. Glenn Trischap, Rt. 1, Oostburg, WI 53070. (414) 668-6451

**FOR TRADE:** AK-G, King and DeForest horns. American SJ mike. Radio Age and Radio Retailing magazines, SASE. F. Paul, 1545 Raymond, Glendale, CA 91201

**WANTED:** National Carbon Co. Eveready, any models. Must be intact and in restorable condition. Ed Mondor, 121 Gateway Drive, Greenville, SC 29615. (803) 268-0952

**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

**CLASSIFIED ADVERTISEMENTS**

**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

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

**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) 896-3545



**WANTED:** Celluloid Radio Log Books similar to those pictured above. They are about 4" high and 2 11/16" wide. The front and backs are made of a plastic material and come in various colors and designs. Please send description of what you have and post paid price. Gary B. Schneider, 9511 Sunrise Blvd. #J-23, N. Royalton, OH 44133

**CLASSIFIED ADVERTISEMENTS**

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

**FOR SALE:** Radio Diagrams, 20's through 60's - \$1 per page. Send large SASE, model and make. Radio repairing tricks from 20's and 30's, over 50 pages, more than 500 radios covered - \$9.95. St. Peter's Old Radio, R-3, Denmark, WI 54208

**WANTED:** Victor Phono-Electrola for 1930, RE-75 radio combination. Glenn Hartong, 10126 Donleigh Dr., Columbia, MD 21046. (301) 997-8413

**FOR TRADE:** DeForest Audion-Ultraudion detector and one step amplifier, Type P-300, all original but no tubes. Marconi Wireless Telegraph Co. meter, beveled glass, brass case, 0-15 amps, for early land line telegraphy. Roger W. Reinke, 5301 Neville Ct., Alexandria, VA 22310.

**WANTED:** Old medical devices. Test equipment. Radio books. Open frame electric motors. Spark gap xmtr equip. Electrical gadgets. Lionel-Marx trains and accessories. Radio tubes. Old table radios. Old, unique, unusual electrical items. Tesla coil apparatus. Old switchboard items. Meters. Old electrical toys/machines. Schematics. Geiger counters. Various package deals of parts, etc. Send your list to H. Andreoni, 250-D So. Lyon Ave., Hemet, CA 92343

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**David Yo  
P.O. Box 832  
Monterey Park, CA 91754  
Tele: (818) 576-2642**

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Acme .0005 enclosed condenser, V.R. pg. 163 - only \$30. 2 AK Model E speakers - \$35 ea. 2 good farm radios - \$15 ea. Kennedy 521 amp. - \$400. **WANTED:** Picture of an Inter-Ocean horn speaker with square base. Horn for a Brandes Table Talker. Horn for a Frost Musette. Send SASE for new list. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456. (314) 735-2945

**WANTED:** Paying top dollar for FADA Model 43 or KF chassis. Junker set okay. Also FADA 51, (KO), 53, 57, (KO-C) chassis. Need Philco 70 cabinet wood front face plate. Looking for clean AK 92. Thanks! Bill Jones, 1279 Worthington Creek Drive, Worthington, OH 43085. (614) 431-9431

**FOR SALE/TRADE:** True Tone D1143 console, 5-band, 8-tubes, 12" spkr - \$90. Philco 40-158 console, 2-band, 6-tubes, 8" spkr - \$70. Philco radio phono 48-1256, table model 6 tubes, 6" spkr, wood cabinet, 72 rpm turntable - \$45. All vg. M. B. Gaskins, 227 Risen Ave., Campbellsville, KY 42718. (502) 465-3755

**WANTED:** For a Stromberg-Carlson 501A: 2 pot metal tuning gears, 5 1/4"x1/4", 140 teeth. Will buy junker if necessary. Jim Stoker, 14 Roberts St., Adams, NY 13605. (315) 232-4020.

**FOR SALE:** Sprague 600 volt orange drops, 450 volt electrolytics. Satin finish, veneer, crinkle paint, resistors, potentiometers, rcvr and xmtr. tubes. Schematics for radios of 1925-1953 - only \$2.50 ea. Few AC radios, books, misc. junk. Car radios. List available from Sue Coulter, Box 11-A, 1000 West Columbus, Bakersfield, CA 93301

**WANTED:** Krohn-Hite ultra low distortion amplifier. Also, service manual for same. Sherrod, 4419 15th Ave. S., St. Petersburg, FL 33711

**WANTED:** Allied Radio Knight-Kit R100A with manual. Similar to one I built in 1963. Send price, including UPS shipping. Doug, WHNY, Drawer E, McComb, MS 39648

**WANTED:** Diagrams for 2-transistor Philmore kit set and for Swan Cygnet 260 transceiver with Jones power plug. G. Hausske, 1922 E. Indiana St., Wheaton, IL 60187

**WANTED:** Crosley crystal set, PUP, Models 50 and 51. Also need bar stock for sliders. Young, 11 Willow Court, Totowa, NJ 07512

**WANTED:** Hallicrafters SX-88. Must be in very good working order and appearance. Preferably with 10 inch R-46 speaker. Also need Hallicrafters R-47 speaker cabinet. Ed Turner, 3536 Arden Blvd., Youngstown, OH 44511

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Anything relevant to my AK76: publications, parts, memorabilia and especially personal correspondence. Gordon Symonds, 26 Ossington Avenue, Ottawa, Ontario, Canada K1S 3B4

**FOR SALE:** Henry 3K with spare tubes. B.O. John Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570. (914) 769-9331

**WANTED:** Small bright colored radios, midjet cathedrals. Eric Fogel, 2922 Barnes Ave., Apt. 6K, Bronx, NY 10467. (212) 652-5101

**WANTED:** Collector will purchase or trade for keys, bugs, telegraph instruments and documentation. 46A Mile Road, Suffern, NY 10901. (914) 357-2167

**WANTED:** Resistance 3-wire radio cord for wood clock radio about 1936 or 1937. New, or used one that will work. Write, state price. Edison Mabry, 715 W. Longview, Mansfield, OH 44906. (419) 526-1175

**FOR SALE:** S-20-R Sky Champion Hallcrafters, 10 tubes, no transmitting mike - \$40. Lafayette H.B. 400, rec. and sends good - \$45 plus UPS. Martin Kirk, 801 Washington Ave., Bakersfield, CA 93308

**WANTED:** Drum dial assembly with good calibrations, preferably in Kc's similar to Pilot or in Bremmer Tully sets. Bud Bedker, 66 Cloverside Ct., West Seneca, NY 14224

**FOR SALE:** Telefunken EVN 171 tube, in hinged black, velvet lined box, excellent condition. Best offer. Don Neville, 209 Longwood Drive, Hunstville, AL 35801

**WANTED:** RCA AR-88(LF). Also, who sells bake-on, not spray, crackle enamel? Al Yeager, Box 224, Portsmouth, NH 03801. (603) 436-4501

**WANTED:** Help me to help a German collector who needs Xerox of ads and other sales literature for 1934(?) Stewart-Warner models 1231 through 1239. R.E. Lozier, 600 E. Green Street, Monroe, NC 28110

**FOR SALE:** Wireless Spec. Apparatus Co. Phantom antenna, U.S. Army, dated 1927, in 9"x7"x8" oak box - \$20. Ditto, but by Cardwell Co., dated 1933 - \$10. Ditto, but by Butte Elec., 1932 - \$8. SASE required. Other items. Arthur Harrison, 501 Arbor Drive, Columbia, MO 65201

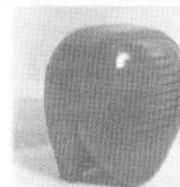
**FOR SALE:** Minerva Tropicmaster - \$25. **WANTED:** Chassis for Grunow #4A Tombstone and parts for Majestic Melody Cruiser. Doug Heimstead, 1349 Hillcrest Drive, Fridley, MN 55432. (612) 571-1387

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** NOS transcription records, 16", 22 records, Here's to Veterans, Air Force Band, etc., 1954. Make offer. F. Emrich, 441 Swaggertown Rd., Scotia, NY 12302

**WANTED:** Collins transmitter Models 30W, 32A or 32B. Predicta table TV available for trade. W1YJ, A. H. Adams, 83 Skysail Rd., Salisbury, NC 28144. (704) 633-0158

**FOR SALE:** Mitchel Lullaby bedlamp radio, exc, wks - \$55. Beta oak-cased kilovolt meter, exc - \$15. Hammarlund HQ-170, exc, w/ manual, wks - \$75. Craig Smith, 1935 1st Ave. S., St. Petersburg, FL 33712. (813) 822-7592 days.



**WANTED:** "Radio Nurse" manufactured by Zenith Radio Corp., as pictured above. Top price paid. Eric Brill, 115 River Rd., Cos Cob, CT 06807. (203) 629-1756

**WANTED:** 2 coils for AK Model 35. Also, the name plate for Model 35. Russ Schoen, R#1, Clintonville, WI 54929

**FOR SALE:** Amrad 2596/2634 double decker, mint, wkg, 1924 - \$500; 2596/2634 double decker exc, wkg, 1924 - \$400. Amrad T5 Neutrodyne, w/original log sheet, 1925 - \$90. Amrad 2331 xtal set, chassis w/o det, wkg, 1920's - \$35. National R.C. set, mint, wkg, 1926 - \$75. 2-tube Sear-de amp, exc, wkg, 1920's - \$100. Large wooden mounted variometer, mint, 1920's - \$35. Amrad variometers (5), exc, 1920's - \$26. UV-199's bakelite, test new - \$8 ea. WD-11's bakelite, test new - \$27 ea. Zeltan 4P cathedral, wkg, exc, 1931 - \$125. VT-1 tubes (3), new - \$10 ea. Zenith 6-B-129 farm radio, BC&SW, exc, 1936 - \$75. Zenith 4B231 farm radio, mint, wkg, 1936 - \$70. Andrew Mooradian, 5 Priscilla Lane, Winchester, MA 01890. (617) 729-1873 after 8 pm

**WANTED:** Tele-Tone television model TV-357. Must be in repairable condition. Don Peck, PO Box 1353, Temecula, CA 92390

**WANTED:** To buy floor model brass blade fan, runs on kerosene lamp burner, or table model with alcohol burner in bottom base. Any make hot air fan. Write or call collect. Call about 9 pm or Sunday afternoon. Edison Mabry, 715 W. Longview, Mansfield, OH 44906. (419) 526-1175

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE/TRADE:** Trade for xtal or battery sets or sell for B.O. Dictaphone Type S Mod. 10 shaving machine; (pickup) Heathkit DX-20, DX-40 xmtr; 20-meter, 80-meter xcvr, Mod HW-32 and HW-12 w/manuals; Triplett Mod. 3434-A TV-FM sweep generator and marker. Old test equipment: AC Model Fisher electro-photometer; Rubicon Instruments Mod 2772 potentiometer; Leeds & Northrup Mod 8 deflection potentiometer; Leeds & Northrup potentiometer. Mil. surplus 1U4 tubes. Michael Crain, RD1, Box 472, Harveys Lake, PA 18618. (717) 639-2794

**WANTED:** Clapp-Eastham H-4 panel, Radiola IV cabinet. R. Jehlik, 8320 N. 28th Ave., Omaha, NE 68112. (402) 457-4604

**FOR SALE:** Busy Bee large open horn phonograph - \$750. Victor 5 nickel horn, original - \$1200. Amborola 6 Edison w/60 cylinders - \$600. Early HMV British Victor enclosed horn, floor model - \$450. Tim Passadore % Chuck, (415) 863-1616

**WANTED:** Correspondence with anyone owning a Canadian Marconi MDRF-1 receiver. It is a superhet and may be part of a direction finder or other commercial eqpt. Also need name plate for Wireless Specialty IP501A. Allen Jochem, 2205 Broadway, Quincy, IL 62301

**FOR SALE:** Enjoy old time radio cassettes. Send \$3 for catalogue. George E. Brehm, 13402 Leibacher Avenue, Norwalk, CA 90650

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Beitman Supreme Service Manuals, any volume. State price and condition. Frank R. White, Box 2012, Olathe, KS 66061

**FOR SALE:** Wards Airline cone speaker, MIB. Tracy Sands, 1520 W. Juno Ave. #C, Anaheim, CA 92802

**WANTED:** Knight or Philmore, one to three tube kit radios from the 1940's. Robert Stapleford, 1800 Randolph, Topeka, KS 66604

**CLASSIFIED AD DEADLINES**

Feb. 10 for Mar. 1987 Issue  
Mar. 10 for Apr. 1987 Issue  
Apr. 10 for May 1987 Issue

**FOR TRADE:** Priess-9, National SW5, Scott Metropolitan and other sets for wood cabinet AK AC sets and E.H. Scott sets. All letters answered! Kent King, 3637 Liberty Rd., Delaware, OH 43015. (614) 363-3219

**WANTED:** Old light bulbs with strange bases. Rob Simon, 1 S. 130 Radford Ln., Villa Park, IL 60181

**FOR SALE:** Western Electric tube specification sheets - \$3.50 per tube. T. Walker, 154 Intervale Rd., Mountain Lakes, NJ 07046

**WANTED:** Unusual, unique bugs such as verticals or sideways or over and under. Gil Schlehman, 335 Indianapolis Ave., Downers Grove, IL 60515

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Peerless cathedral case speaker, needs some veneer repairs - \$20. Kolster K6 speaker - \$35. AK E3 speaker and case, cone tear - \$18. 8" sq. wood case mag. speaker - \$18. Victor loudspeaker #1 w/tags, nameplate, a nice display item - \$30. Utah round metal case speaker - \$18. Teltone 62 speaker, wood case needs repair - \$18. Eico sig. gen. Model 324 - \$20. Eico signal tracer 147-A - \$25. RCA W057B 3" scope - \$40. Waterman 3" S11-A scope - \$35. Conair 5" Model 250 scope - \$40. Watch case pocket volt or amp meters - \$3. Crystal set 2-coil slide tuner - \$50. Philmore super crystal set, NOS - \$48. AK 42 power unit - \$30. AK 40 power unit - \$25. Ford "T" spark coil - \$5. Mallory SC628 Sonalert - \$2.50. G/R Type 247 500 MMFD var. con. - \$5. All plus UPS. Krantz, 100 Osage Ave., Somerdale, NJ. 08083

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**WANTED:** Crosley sets: Widget, Elf, Buddy Boy Model 58, Show Boy, 59. Ronnie Kaczmar, 5747 Williamson, Dearborn, MI 48126

**FOR SALE:** Zenith 35APX, three AK20's, Philco 96 **WANTED:** AK L driver base, VT-2 tube. Brian Roberts, 3068 N. Evergreen, Pittsburgh, PA 15237

**WANTED:** Original audio transformers for Tuska 225 regen. radio. AK detector unit #3902. Pat Stewart, W7GVC, 1404 Ruth Ave., Walla Walla, WA 99362

**WANTED:** Raven radios, parts, literature and references. R. Wolven, 11 Marlborough Ct., Albany, NY 12209

**FOR SALE:** Vibroplex bug key No. 110380, black metal base, 6 1/2"x4" with red bug, ex-fine. Other key 6"x3" bright metal base pat. 1908, 3 letters missing "Me---raph Co.", fine. Make offer on these two. B and K Model 1076 TV Analyst, 14-tube and main scope, fine, untested, complete, lights up - \$100, UPS \$15. Bremer Tully counterphse wood 7-tube, 1 missing, AC radio with cathedral Bremer Tully speaker, not checked - \$100, plus \$15 UPS shipping in USA. Edison Mabry, 715 W. Longview, Mansfield, OH 44906. (419) 526-1175.

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Brass telegraph key - \$15. Army special volt-ammeter tester in metal box - \$10. Cabinet for Model 20 AK - \$15. Add \$3 for UPS. Clark Trissell, 3530 Pawnee, Lincoln, NE 68506

**WANTED:** Books/Magazines (radio and all technical subjects). Prefer quantity purchases. Please state price. Johnson, WB6MNY, 14 McKeveitt, Santa Paula, CA 93060. (805) 525-8955

**FOR SALE:** Old TV's. 1954 RCA CT100 - \$700. 1949 3" Pilot - \$150. Both not working. Bill Gabb. (619) 469-0939

**WANTED:** Majestic Model 25 and Crosley Buddy Boy chassis and speakers. Kevin Grimm, 258 Dunbar Road, Tallmadge, OH 44278. (216) 633-4167

**FOR SALE:** Old incandescent lamps (light bulbs). SASE for IL list. Serge Krauss, 141 Homan Ave., Elkhart, IN 46516

**WANTED:** Amberola 125 schematic. Radio is an optional 6 or 5-tube TRF. G.F. Finzer, 413 Dover Rd., Sugarcreek, OH 44681. (216) 852-4010

**FOR SALE:** Be the first on your block to build your own TV (a mechanical one). Parts and information are available from Pete Yanczer, 835 Bricken Place, St. Louis, MO 63122

**WANTED:** Dumont television. Table model with continuous tuning and FM. Jack Kashak, 139 E. Saemann Rd., Chesterton, IN 46304. (219) 926-7240

**FOR SALE:** Beautiful colorful, enamel radio related tie clasps and lapel pins, Philco, GE, RCA and more. Send SASE for complete list. Must see! Michael S. Sabodish, Sr., 11-A Matawan Ave., Cliffwood, NJ 07721

**WANTED:** Solid state or tube McIntosh stereo equipment, any condition. Also, Sam's MHF series photofacts. Craig Huseboe, 2706 Nelson Road, Marshalltown, IA 50158

**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.

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- 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 P. 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
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**WANTED:** Mint cabinet only for MU1. Baffle & speaker for Magnavox M20 cabinet. Crescent "A" & "B" 4-pin coils + information for Columbia Radio Co., St. Louis. Info on Pocket Radio Corp. "Vest-O-Fone", Des Moines, IA. W.E. 1A, 2A speaker & battery box for 4B. Antenna complete for Philco Predicta. Info on W.E. hand wound w/RCA magnetic P.A. turntable. Voltage charts & service info 11A Chanalyst #885, Tel-Ohmike T04, Jackson Sig. Gen. #641. Plug-in coils for Browning Drake 5R. Radiola 104 or 105 speaker. John A. Meyers. (716) 751-6053, evenings

**FOR SALE:** Brand new in box, with warranty, Cobra 142 GTL CB receiver, 40 channels, AM-SB, list \$300, sacrifice - \$195. National receiver SW54-1, WTS, clean, runs, FB - \$40. National NC77-X, clean, needs work - \$20. Zenith Trans-Oceanic WTS, wide dial, runs, FB - \$40. Large collection earphones, some rare ones - \$8 & up. Also xtal receiver parts, det., tuner, etc. **WANTED:** AK bread-board parts. Wm. Key, W1DWD, 58 Sycamore Dr., Halifax, MA 02338. (617) 294-1831



**WANTED:** Davco DR-30 receiver. Al Faragheer, 318 W. 3rd Ave. N., Aurora, MN 55705

**FOR SALE:** First edition Modern Radio Servicing by Alfred Ghirardi with original paper jacket - \$15 ppd. Ward Becht, 625 Tufts Ave., Burbank, CA 91504. (818) 842-3444

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**CLASSIFIED ADVERTISEMENTS**

**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

**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

**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 universal 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-olddn 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

**WANTED: Hudson-Ross "Globe Trotter" (shown page 12, October 1986 ARC). Will pay for good one. Malcolm Ringel, 305 Buckhead Ave., Atlanta, GA 30305. (404) 231-0084, weekdays.**

**FOR SALE:** Antique white porcelain beehive insulators - \$1 ea. Replacement power transformers, new - \$10 and \$20 ea. Multiple canned electrolytics 450v. - \$3 ea. 50-year collection tubes, low prices. Inquire. M. Levy, 101 East Driftwood, #44, Fredericksburg, TX 78624. (512) 997-2534

**WANTED:** Hallicrafters SX-28 and AK 37 for parts. Riders, Volumes 1 through 5. James Berg, 2648 W. Arkansas Ave., Denver, CO 80219. (303) 937-1399

**FOR SALE:** Crosley 52SD - \$65. Matching Aeriola Senior and Amplifier - \$260. Older Aeriola Senior in very good condition - \$125. Bakelite WD-11's - \$30. Greg Farmer, 71 Rice Creek Way, Fridley, MN 53432. (612) 571-6062

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** 2, UV1714 - Radiola 6 R.F. - \$25/pr. Columbia 6 to 1 #602 Audio - \$10. 2.5v/105-120, new #662-5740-00 - \$8. Sprague paper in orig. box, 2.0 x 600v - \$5. Motorola #8B81109 2+6 mfd. in orig. box - \$7.50. Automatic Electric polar relay #201A w/W.E. base - \$7.50. 2, Radiola 5(?) rheostats w/G.E. knobs - \$10. Thordason output T22586 - 3W/14K to 2K, new in box - \$6. Jewel AC 0-10v, 3" panel pattern T4, #386199 - \$10. General Radio .2 to 1.0 Amp. Mod. 127B #13469 - \$10. Crosley BC733-DD, BC455, WE BC458A, VB-8-C in orig. box - B.O. Chassis only 110-982-25 cyc w/6 tubes, no knobs - \$15. Hewlett Packard low freq. stud. 100D #227, rack panel, oak cabinet, as is - \$75. John A. Meyers. (716) 751-6053, evenings

**WANTED:** Antique tubes. Very early or unusual types. Marc Gottlieb, 931 Olive St., Menlo Park, CA 94025.

**FOR SALE:** Bristol Model A, one-stage power amplifier. Eric Bilney, 911 Fargo Ave., Sprit Lake, IA 51360

**WANTED:** 1930 Crosley 6-tube "Buddy" with restorable metal cabinet. Peter Paum, 4900 Madison Rd., Madisonville, OH 45227. (513) 561-4411

**FOR TRADE:** Trade my AK's 165, 184, 206, 708, 558Q, 735, 944, etc., Radio Keg, Philco 70 and 90 for your nice Zenith 829, Emerson Catalin Tombstone, 1933-34 table models. John Kern, RD #2, Box 457, Quakertown, PA 18951. (215) 538-2128

**WANTED: W.E. Amps, Speakers, Marantz tube electronics. Will pay \$750 for 7c Pre-Amp. Also MacIntosh, Tannoy and old J.B.L. Want Air King, RCA 1936 sets with chrome tubular stands. Zenith with more than 11 tubes. Offering \$12,000 for Sparton 44" Bluebird! Want attractive Deco sets in colored plastic, chrome, unusual Bakelite for top prices. Send info with price and photo, if possible. Need WG36, 26NG, AF3 European tubes. Ed Schneck, 1401 Ocean Ave., Brooklyn, NY 11230. (718) 377-7282**

**FOR SALE/TRADE:** Wallace Toleaicles 1952-59. Antique Radio-TV ballast tubes. TV tuners. Speakers. State your needs. SSASE. Troch's Television Radio Appliances, 290 Main Street, Spotswood, NJ 08884

**WANTED:** Radio furniture, original finishes. Tables, cabinets, clocks, lamps. Gerald Schneider, 8750 Georgia Ave., Suite 1410-B, Silver Spring, MD 20910

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

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Early Scientific Test Instruments. Siemens torsion galvanometer, glass dome enclosed. James W. Queen detector galvanometer, horizontal pattern, glass cracked but electrically OK. Sir Wm. Thomson tripod mirror galvanometer with telescope. Queen & Co. Standard Post Office resistance box No. 2. Electro Import Co. Wimshurst static electricity generator. Central Scientific vacuum pump, bell jar and ground vacuum plate. Classic Omnigraph with 15 dials, original decal, fine condition. Acme 1/4 KW spark transformer. Phil Weingarten, Marconi Museum of Wireless Telegraphy, 67-61 Alderton St., Forest Hills, NY 11374. (718) 896-3545

**WANTED:** Crosley 4R chassis. AK 217 chassis. Radio that uses a multi-valve tube. Midwest & MIRACO radios. Novelty radios. Horn speakers. Greg Farmer, 71 Rice Creek Way, Fridley, MN 53432. (612) 571-6062

**FOR SALE:** Radios, radio & TV parts. P.A. and Hi-Fi Amps. Misc. junkie. SASE for list or see me in Elgin, IL Feb. 8th. Ned Carlson, Triode Electronics, 721 W. Melrose, Chicago, IL 60657. (312) 871-7459

**FOR SALE:** AK 20 TRF receiver, original cabinet, battery cabinet, speaker, battery eliminator, headsets. Exc cond. Will sell or trade for letter-quality printer, cables & paper. Jack Ravage, 2332 Cottonwood Dr., Laramie, WY 82070. (307) 745-5431

**FOR SALE:** Atwater Kent advertising whistle, made of tin, 1 7/8" long X 3/4" wide. Reads: Atwater Kent Radio, L.P. Charpiot 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:** RME-510X plus other RME products. RME parts available. Ed Gable, 737 Latta Rd., Rochester, NY 14612. (716) 621-6692

**WANTED:** Elmco, Cardinola, Okay and Diamond T battery sets. Fairbanks Morse radios with candy colored glass dials. Chassis & knobs for Majestic 195 cathedral radio. Knobs for Sparton 61-62. Michael Feldt, 12035 Somerset Way E., Carmel, IN 46032. (312) 844-0635

**WANTED:** Manual for Supreme Radio Diagonmeter Model AAA-1. Tom Schafer, 8206 Deerfield Dr., Parma, OH 44129. (216) 886-1617

**CLASSIFIED AD DEADLINES**

Feb. 10 for Mar. 1987 Issue  
Mar. 10 for Apr. 1987 Issue  
Apr. 10 for May 1987 Issue

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Tube hifi components, loudspeakers, magazines. Any make or condition. Jack Smith, 288 Winter St., North Andover, MA 01845. (617) 686-7250

**WANTED:** Original back for Philco Transitone chassis Type 57-123. S. Fleming, 897 Isabel St., Woodstock, Ontario, Canada N4S 2A7

**FOR SALE:** Magnavox horn speaker Type M-1, fine, decal fine, loud volume - \$97. Western Electric hanging type horn microphone, pat. June 20, 1916, 15" bell, 15" long, black tin, works - \$85. Zenith Model Royal 3000-1 FM/AM, multiband portable, all transistors, Trans-Oceanic, uses 9-D's or 12V, fine, plays - \$65. Four watch type battery meters. 1916-1920 Hoyt 0-10, Beeds 0-5 0-5, Sterling 0-35 0-10 Cleveland, Ohio, Excel 0-30 Clyde, Ohio - \$55. Philco Model 49-501 5-tube AM, AC/DC, brown plain bakelite, 12" x 8", fine, plays, Flick of Switch page 140 - \$38. Novelty doll radio, 14" high, brown hair, blue eyes, pink dress, chain with a pearl, 9v fine, bust tuning fine, plays - \$45. Edison Mabry, 715 W. Longview, Mansfield, OH 44906. (419) 526-1175

**WANTED:** Radio News of Canada. Early Northern Electric and Marconi sets. Have trades. A. Nolf, 539 Kastelic Place, Burlington, Ontario, Canada L7N 3R5. (416) 639-4768

**FOR SALE:** 1944 tank tranceiver No. 19MKII, unused with install. kit - \$175. Warren, 830 Geneva Dr., Prescott, AZ 86301

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**WANTED:** Base and Driver for AK Model L horn. Antenna for Radiola 28. Chassis and knobs for Radiola 60. F. Edwards, 516 Harter Ave., Mansfield, OH 44907

**FOR SALE/FOR TRADE:** Capehart 112N2 radio-phono combination, mint, working (changer turns over records!) - \$325 (pickup only). Neutrowound Super 6 - \$185. Radiola RCA Victor combination, mint, working - \$175 (pickup only). Zenith 6S229, airplane dial, mint, untested - \$85. Presto Record Maker, excellent - \$65. Silvertone short wave converter - \$40. GE M61 semi-cathedral - \$65. AK 20 Big Box - Spilsburg and Tindall transceiver, 1950's, excellent - \$40. Plus others. Include shipping. **WANTED:** WWI equipment. Fancy horns, DeForest, unusual early portables. Rosenthal, 507 S. Maryland Ave., Wilmington, DE 19804. (302) 944-0874

**FOR SALE:** RCA Radiola 28, Model AR920, cabinet excellent, seven 199's, one 120A included - \$100 UPS. George Friedrich, 7162 Jacqueline Lane, Custer, WI 54423

**WANTED:** Philco oscillator coil part #32-2194 for Philco Model 37-116 radio receiver. I will buy a junked chasis to get this coil. Also, any other old Philco parts and service manuals. Marvin Randolph, 6923 Orchard Blvd., Parma Heights, OH 44130. (216) 842-8117

**FOR TRADE:** Beautiful 14K solid gold antique pocket watches, ex. cond., for your antique cathedrals, consoles, and table models (AC superhets only). A. Bruno, 24 Butternut Dr., New City, NY 10956.

**WANTED:** Top dollar paid for nice horn with celluloid bell, wooden bell or AK Model R; FADA model 1000 or similar art deco radio; WE 4B; WE ring mic holder; AK advertising items. Jerry Wilson, 6706 Winters Hill Court, Doraville, GA 30360

CLASSIFIED AD DEADLINES

Feb. 10 for Mar. 1987 Issue

Mar. 10 for Apr. 1987 Issue

Apr. 10 for May 1987 Issue

**FOR TRADE:** Coronado barrel radio, case with speaker only. 1918 Signal Corps buzzer. **WANTED:** Crystal radios. SASE. Otto Nill, 192 Grant Ave., Islip, NY 11751

**WANTED:** Harvey FT-30 xmtr, F.O.S. pg. 257 - \$100 bonus. SW-3 coil sets 32 and 33. Robert Enemark, Box 1607, Duxbury, MA 02331

**WANTED:** Charlie McCarthy radio in good condition. Jim Montgomery, 8360 Azita Court, Garden Grove, CA 92644

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Collins Military Surplus Cache - manuals, R-390, R-390A, 4-388 receivers. Write Paul, 35 East Pond Rd., Narragansett, RI 02882

**WANTED:** Instructions, schematic for precision series 912 Electronamic tube tester. Gilbert Smith, 248 So. 36th St., San Diego, CA 92113

**FOR SALE:** Riders, Howard Sams, RCA, Philco, GE service manuals. Test equipment speakers, parts, plus more. SASE for list. Krantz, 100 Osage Ave., Somerdale, NJ 08083

**WANTED:** 3 tube shields for Atwater Kent Model 447 (318 has same chassis). Must be bronze colored, solid type with no seams, 1 1/4" top inner diameter (approx.). **FOR SALE:** 4500 low priced, new/used, 1927 on radio/TV tubes. Send SASE with column list of needs. No lists avail for mailing. Purists add tube manufacturer. Chief Ollie Carpenter (OARS), Old/Antique/Radio/Shoppe, 7729 Doris Dr., Norfolk, VA 23505. (804) 489-7297

**FOR SALE:** Radiola 28 Loop, chipped corner - \$30. Freed-Eisemann Neutrodyne - \$75. Box for Browning-Drake coils, no lid - \$5. Bosch 305 S, nice - \$45. Early Yost typewriter, make offer. **WANTED:** Majestic Model 20 chassis and speaker. Green Emerson Tombstone. Hallicrafters SX-25. Richard C. Foster, 12 Shawmut Ave., Cochituate, MA 01778. (617) 655-2056

**CLASSIFIED ADVERTISEMENTS**

**FOR TRADE:** Federal 57 and Paragon RB2. Looking for XTAL detectors/wireless, etc. Michael Payne, Rt. 5, Box 796, Alvin, TX 77511

**WANTED:** Picture tube 21EAP-4 (110 DEG). Fred Emerson, 627 Illinois Ave., Elgin, IL 60120

**FOR SALE:** Radio City Products Model 492 multi-tester - \$3 plus UPS. Daniel Gaidosz, 342 West River Road, Orange, CT 06477

**WANTED:** Riders Manuals, Volumes 2 and 3. Chris Ward, 626 W. Adams St., Clinton, IL 61727. (217) 935-2678

CLASSIFIED AD DEADLINES

Feb. 10 for Mar. 1987 Issue

Mar. 10 for Apr. 1987 Issue

Apr. 10 for May 1987 Issue

**WANTED:** Early Crosleys, Harko, Harko Sr., C R-I & others. AK speaker G & Duplex pickup. Need speaker for Scott All-Wave. Gilferd L. Baker, Box 36, 112 Pearle St., Emden, IL 62635. (217) 376-3828

**FOR SALE:** Zenith G-500 Trans-Oceanic, works v.g., case excellent - \$40. Knight tube tester, v.g. - \$20. Knight Space Spanner, works good, SW-BC - \$15. Dyna Model PAS stereo pre-amp., good - \$15. All plus UPS. F. Estree, 660 Fineview Ave., Kalamazoo, MI 49007

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TUBES: 300A, B, 274A, B, 262A, B, 275A, 350B, 284D, 252A, 271A, 242A, 348A, 349A, 301A, 339A, 205D, E, F, VT52, VT1, VT2, 211, 212, 104D, 216A.

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

HORNS: 22, 24, 26, 25, 12, 6368, 15A, 13A.

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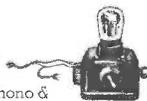
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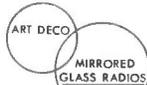
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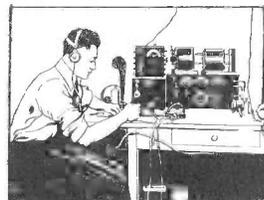
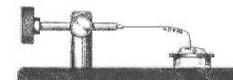
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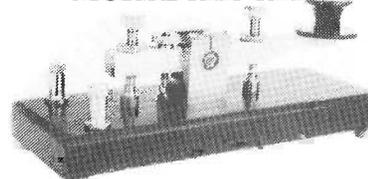
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3. Edison Home Phonograph .....300
4. Magnavox 1-Tube Amp., Model A1-A .....350
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7. Emerson Red TV Bank .....35
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| 1-Western Electric 93306 Reproducing Head                | 1-B & K Model 1076 Television Analyst                         |
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| 1-Capeheart All-triode Amplifier                         | 1-Heathkit Model 1G-57A TV Post Marker-Sweep Generator        |
| 1-Philco Model 87 AC Floor Model Radio/Model G Speaker   | 1-DynaJet Model 606 Tube Tester                               |
| 1-Bosch Model 133 AC Floor Model Radio/Sliding Doors     | 1-Heathkit Condenser Checker                                  |
| 1-"Predicta" Philco TV                                   | 1-RCA Oscilloscope Model WO-33A                               |
| 1-Atwater Kent Model 44/Speaker                          | 1-Sencore Model CG-10 Dot Bar Generator                       |
| 1-Zenith Model 8G005YT Transoceanic                      | 1-G.E. Type EX-1-C Communications Checker                     |
| 1-Zenith Model 6G001Y Transoceanic                       | 1-RCA Senior Voltchmyst                                       |
| 1-Boonton Type 202J FM-AM Signal Gen.-High Frequency     | 1-Radio Craftsman AM-FM Tuner                                 |
| 1-Webster Chicago Model 18-1 Wire Recorder               | 1-Browning AM-FM Tuner  |
| 1-Sencore Stereo Gen. MX129-FM Multiplex Gen. & Analyzer | 1-Arvin Model 544A AC/DC Radio                                |
| 1-Hickok Model AC51 Tube Tester                          | 1-Sparton AC/DC Wood Case Radio-Full Down Front-No Model Num. |
| 1-B & K Model 960 Transistor Radio Analyst               | 1-Garrard Record Player/G.E. Pick-up-3 speed Model 80         |
| 1-Weston Model 664 Capacity Meter                        | 1-JVC 4 Channel Intergrated Amplifier Model 4VN-770           |
| 1-Weston Model 665-Type 6 Selective Analyzer             | 1-Realistic Reel-to-Reel Tape Recorder/Player Model 300D      |
| 1-Supreme Model 58 Signal Generator                      | 1-Weissner 33/78 Record Cutter                                |
| 1-Hickok Model 277X Xtal Controlled Signal Generator     | 1-16GP4 TV Tube-New   |
|  | 1-16LP4A TV Tube-New  |
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D86326/D86327.....\$16	205D/E, tennis ball shape.....\$30
205F.....\$14	211D/E.....\$30
217A.....\$15	242A/B/C.....\$22
247A.....\$6	252A.....\$100
262B.....\$8	271A.....\$20
275A.....\$15	276A.....\$22
300A.....\$100	300B.....\$70
310A, mesh plate.....\$7	339A.....\$12
347A.....\$8	348A.....\$8
350B.....\$24	VT 25/25A.....\$6
	VT52.....\$10

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