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# MARCONI'S WIRELESS TELEGRAPH CO. LTD.



## MULTIPLE TUNER

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

# ANTIQUE RADIO CLASSIFIED

## Publishing Details

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**Antique Radio Classified** is published for people involved in the radio collecting hobby. Its purpose is to stimulate growth of the hobby through the buying, selling and trading of radios and related items, and to provide a monthly forum for the interchange of ideas and information.

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1/2 H	5 1/4 x 7 1/2	3 5/16 x 4 3/4	3 5/16 x 4 3/4	22.50	60.75	10.00	
1/2 V	10 1/2 x 3 9/16	6 5/8 x 2 1/4	6 5/8 x 2 1/4	22.50	60.75	10.00	
1/4	5 1/4 x 3 9/16	3 5/16 x 2 1/4	3 5/16 x 2 1/4	11.25	30.37	5.00	
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**Antique Radio Classified** welcomes and solicits any information that pertains or relates to the radio collecting hobby. This may include material such as articles, upcoming radio events, meetings, radio books and publication reviews, new radio clubs and organizations, radio auctions and price reports, sources of old radio 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. Unless prior arrangements are made, all submitted materials become the property of **Antique Radio Classified** and will not be returned.

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# ANTIQUE RADIO CLASSIFIED



## EDITOR'S COMMENTS

This month's *Antique Radio Classified* is a SUPER ISSUE! On the cover is the Marconi Multiple Tuner – A.R.C.'s first full-color photograph. This issue runs 40 pages plus a four-page National Co. HRO survey in the center-fold. A.R.C. continues to get more features, advertising and club news.

Articles this month emphasize restoration. Art Albion reports on the case history of the restoration of a Marconi Multiple Tuner. The Restoration Topics series of Richard Foster opens with a statement of goals and ideals. Send in your hints, tips, etc., and Richard may add them to his column.

The photo review of Art Deco sets and Frank Heathcote's Collector's Corner about the Pye Model "G" should satisfy the collectors of later gear. Henry Rogers in his *Antique Radio Specifications* describes the Crystoflex, an interesting two-tube reflexed circuit using a crystal detector. The issue also includes short notes on the Tune-A-Light indicator tube and letters about the Baird Auction and the Field Seed Co. – articles last month. Notice the updated list of Best Selling Radio Books.

Richard Foster's review of John W. Stoke's fine book on radio in New Zealand, *The Golden Age of Radio in the Home*, completes the articles in this issue.

Club Spotlight initiates a new series on collector clubs. First featured is the Antique Radio Club of America (ARCA) which is celebrating its 15th year. Clubs are invited to send in information for inclusion in this series. Club meets and publications are a very good way to

meet other collectors, to learn more about antique radios and to add to one's collection.

Speaking of clubs and meets, A.R.C. will be at the annual ARCA meet in New Carrollton, Md., June 10–13. On Friday, June 12 at 2:00 p.m., several of the writers for A.R.C. will be available to answer questions and talk a little about their articles and interests. I look forward to seeing many of you there.

If you are the owner of an early National HRO receiver, turn to the centerfold of this issue for a survey questionnaire on this classic. If you have an HRO, please complete the survey and mail it to Charles Fisher, who is conducting the survey. We hope to run more surveys, using the A.R.C. centerfold, if this one is successful.

As renewal time approaches for most of you, I hope you will take advantage of the early renewal bonus announced last issue: Renew before the end of your expiration month – the month printed on your mailing label – and you will receive 13 issues instead of 12. If you renew for two years, you will receive 26 issues instead of 24. This is a small way to say "thanks" to those of you who have been supporting *Antique Radio Classified*.

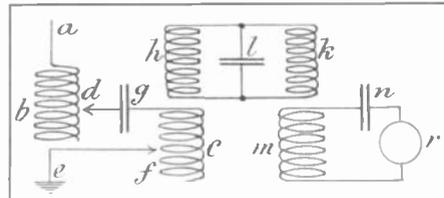
Enjoy this SUPER ISSUE!

John V. Terrey



## ON THE COVER

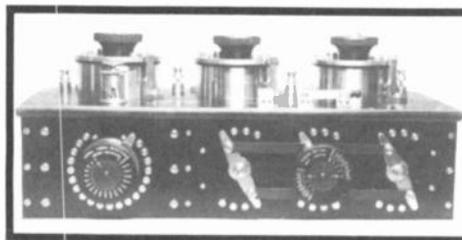
The cover this month shows the Marconi Multiple Tuner, manufactured by Marconi's Wireless Telegraph Co. Ltd. (the early name of the Marconi Company). The restoration of the tuner is the subject of this month's *With The Collectors*, by Art Albion. Jim and Felicia



Kreuzer of Elma, N.Y., have the tuner in their collection.

The tuner's multiple tuning circuit, illustrated on the left to perk your interest, and its inventor are subjects of articles by Jim Kreuzer in future issues of A.R.C.

The tuner was photographed by David Poole of Photography Professionals, 69 Marlow Road, West Seneca, N.Y., 14224. Photography Professionals has over 10 years of experience in portrait, wedding and commercial photography. The Multiple Tuner was photographed on Ektachrome Professional transparency film using three lights, two diffused and one as a wash, incorporating 800 watt-seconds of light at 1/60th second at f 11; a white backdrop was used.



# WITH THE COLLECTORS

## Restoration of the Marconi Multiple Tuner

By Art Albion

*Introduction: The thought of owning a museum-quality piece of early wireless equipment is forever present in the minds of many radio collectors. For one collector this dream has come true. Presented through words and photos, this month's feature article details the dramatic transformation of an ultra-rare Marconi Multiple Tuner into a beautifully restored piece of equipment.*

*The restoration work is the result of Art Albion's determination and skill in bringing back this neglected piece of equipment to its former glory in the development of wireless history. Needless to say, judging from Art's excellent photos during the restoration process, he has accomplished this feat in splendid fashion.*

*And who may be the fortunate owner of this historical and rare tuner? One would expect to find this piece in a museum, but a remarkable collector has managed to acquire this set for his own private collection. The proud owner is Jim Kreuzer of Elma, New York. His collection of early wireless artifacts is one of the finest in this country and one of less than a handful of collections (museum and private) in this country known to have a Marconi Multiple Tuner.*

*Jim will present in a future A.R.C. article the history and development of the Marconi Multiple Tuner. Another article will tell about the developer of the tuner, Charles S. Franklin, and the process that led to the patent of the tuner way back in 1907. (Gary Schneider - Assistant Editor)*

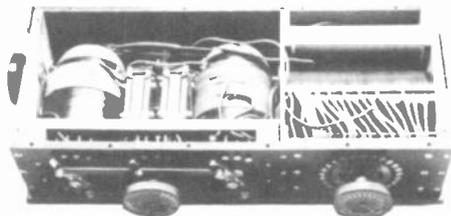
When I first saw the Marconi Multiple Tuner, I didn't know whether to hit it with a stick or run. Anyway, I soon found out what it was, and the idea of restoration was mentioned. That's when I left the room. A year later and after a few hours of deep thought, I decided to take a crack at its restoration.

The tuner was in very bad condition. Years of use and neglect had left effects on the piece. The brass parts were badly pitted with lots of corrosion. The screws and nuts were frozen. The base top was badly pitted; from what, I can only guess. The wooden base cabinet had a few mouse chews. The first step in restoration obviously was to decide whether it could be brought back to life without destroying it permanently. It appeared all the parts were there, excluding a small portion of the lever switch. Then came decision time. I plunged in. Had I hesitated, I probably would have put it aside and said to myself, "Forget it."

As I studied the tuner, the biggest problem seemed to be disassembly. Where to start was the question. I started to remove the bottom cover to take a look. I don't think it had ever been removed. The screws were frozen solid; since the screw driver slots were very fine, a minor adjustment to the blade of the screwdriver had to be made so the slots would not be destroyed and the screw heads not distorted. Well, the removal was accomplished and I got my first look inside. Not too bad! The rubber insulation on the main coil had deteriorated and turned to dust at first touch. Strangely enough though, the insulation on the variocoupler was in excellent shape; it was composed of different material than the insulation on all the other wiring. OK, I could fix that.



The next operation was to remove the top base. After lengthy examination I found that the only way to separate the top from the rest of the tuner after removing the screws was to pull it away from the body as far as I could and unsolder the connections. That was a chore. The solder was badly corroded; the wire is 16 gauge and fastened to very heavy brass connections. A lot of heat was necessary. I used a large soldering copper normally used in sheet metal work. It did the trick, and in a while I had the leads unsoldered and the top separated from the body.



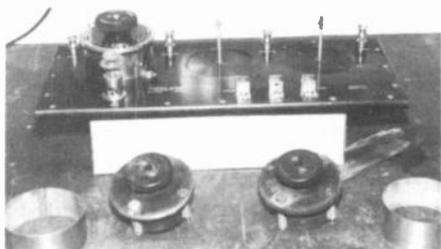
*Bottom view showing mounting arrangement of various coils in relation to tap switches.*

I'll stop here for a minute. It is usually good practice to make a rough sketch of the whole set, get some tags, and, as you remove each wire, tag it and draw the wiring into the sketch. If this isn't done, you always have some connections left over, and it is almost impossible to figure out where they belong.

Now I had the top and the body separated and made some progress. I put the body aside and concentrated on the top base. I decided that since the variable condensers were frozen, they would be the first to be worked on. They turned out to be the biggest problem with the restoration.

I'll try to explain the disassembly of one of the three variable condensers. I hope I can do it adequately. I had to free them up. I tried spraying penetrating oil through a couple of screw holes on the top of the left condenser housing. No luck, so I turned the light out and went to bed.

My next attempt to free up the condensers proved fruitful. I sprayed silicone into the same holes; after working the knob for a while, there was some movement of the dial. I finally managed to rotate the dial 180 degrees, and it loosened up fairly well. After looking at the mounting of the condensers from the bottom



*Restored top base with placement of the left variable condenser in mounted position.*

of the base top, I realized that the whole unit had to be disassembled from the top of the base top. I removed all the screws I could, rotated the dial, and noticed a screw slot below a screw hole in the top of the dial. I put a small screwdriver into the hole and managed to loosen the screw. There are two of these hidden screws on each condenser unit, and they hold the stator to the base top. When I had these out, the whole unit came away from the top base. This allowed the large brass ring on the condenser to come free also. Going back a bit, the whole top of the condenser rotates, and this is the rotor. Connections to it are by means of two wipers on the outside of the unit. Also, on the top of the knob, there appears to be a brass screw. This screw is actually a cap nut. It has to be removed, and underneath it on the same shaft is a round nut with spanner slots. Once the cap nut, round nut and wiper parts are removed, and the stator unscrewed as I mentioned earlier, the whole unit is free of the panel. What remains is to polish the brass parts.

As I mentioned earlier, the brass on the tuner was corroded very badly. It was necessary when cleaning it to first soak it in a solution of mild citric acid, then sand it with 340 waterproof abrasive paper. Next it was polished with ordinary brass polish. This was standard procedure used with all the brass parts on the tuner. Ready for the next operation!

The same procedure was repeated for the other two condenser units. Filling of the dial markings could be done at any time. Incidentally, the reason the variable condensers were difficult to rotate is due to the dielectric. It is made of thin hard rubber that had swelled over the years causing the whole unit to bind. Tolerances are very close on all the parts of the tuner.

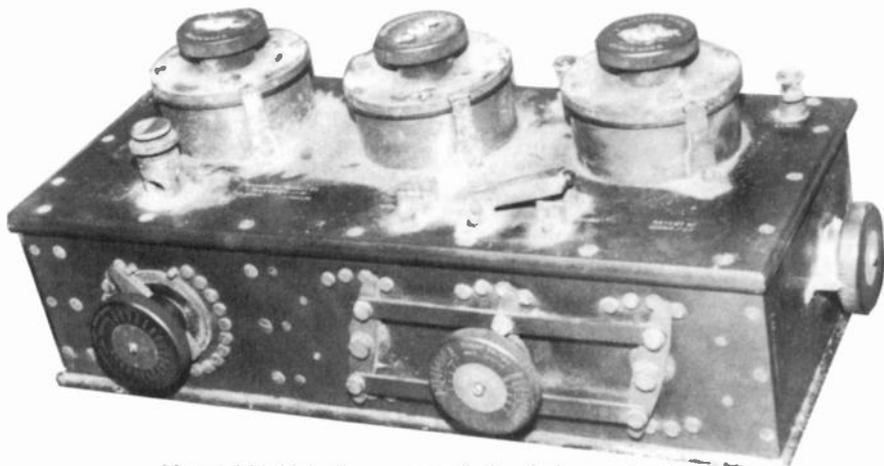
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(Marconi Multiple Tuner - continued)

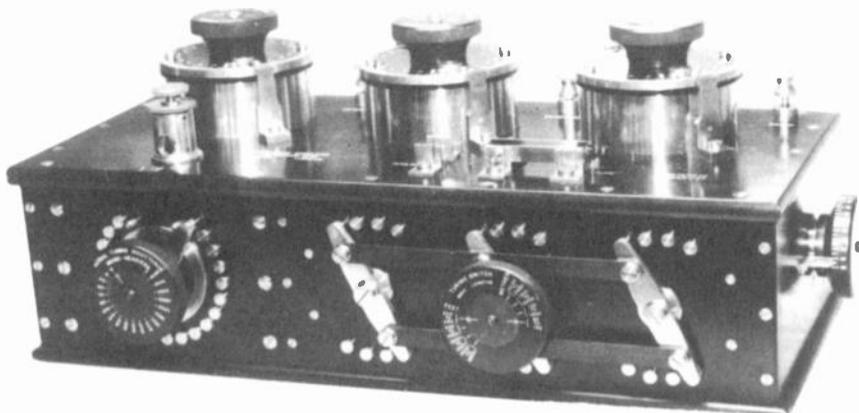
The base top was next. All the other parts were completely removed. The top base panel was cleaned using 4-0 steel wool and then waxed. The name and serial engravings were filled with whiting. All the brass pieces were cleaned and laquered. The spark gap is worth mentioning. This is the small unit located in front of the left-hand variable condenser. It is a very finely machined unit. Adjustment is made as necessary by the operator. The unit is adjusted by means of left-hand threads. The gap points are made of zinc; it was used to ground static discharges and also discharges from the local transmitter if the T/R switch was inadvertently not thrown. Once the base top was cleaned, everything was re-assembled and the unit was complete.

One detail that I should have mentioned earlier is the fact that all machine threads and screws used on the tuner are early English metric, not modern metric. Great care had to be taken when working with them. To strip or break a screw would turn out to be a major problem.

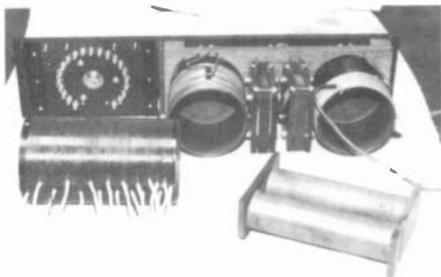
The restoration is straightforward. The front panel, with the switch points, was removed from the body of the tuner. Unsoldering the leads is necessary here also. The same tag and mark procedure followed. Brass parts were removed, cleaned and laquered. Dial engravings were filled, and the panel reassembled. What I call the second section was complete.



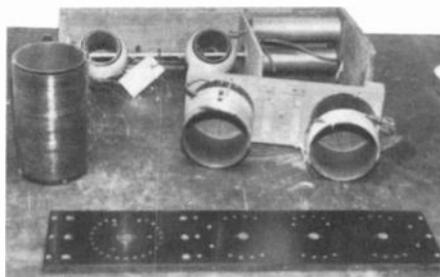
*Marconi Multiple Tuner - overall view before restoration.*



*Marconi Multiple Tuner - overall view after restoration.*



Rear view of front panel and various coils.



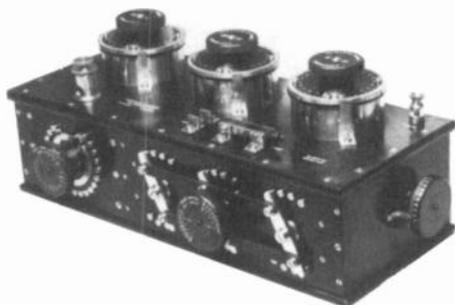
Some of the parts shown removed from the main body.

The third section consists of the main coils, loading coils, two fixed condensers, the variocoupler and the three-sided mahogany cabinet. This was also completely disassembled. Next, the variocoupler knob located on the right side of the cabinet was removed. It is held onto the brass variocoupler shaft by a tapered pin. The pin has to be driven out. Care must be taken to drive it from the proper direction; if not, the knob will split. The knob, as all of the black parts of the tuner, is made of hard rubber and has become fragile over the years. The remaining coils were removed by unsoldering the leads. The main coil needed new insulation on the tap leads. I used the white rubber from a triple 18 gauge extension cord for that, and it looked very good. The three-sided cabinet had a couple of large mouse chews on the corners. These were repaired to blend into the original finish, and a light coat of shellac was sprayed onto the cabinet. The cabinet was assembled to the coils and other parts to complete this phase of restoration.

Now all of the three sections were complete and ready to be put together. The assembly is complicated. I cannot honestly say that I remember the sequence I used in assembly. It cannot be put together and then wired. Referring to my sketches, I proceeded. A few nights and a few mistakes later, the tuner was together. I believe no thought was given by the builders as to how any work could be done on the tuner if it developed any troubles.

Since all the brass parts had been laquered to prevent any further corrosion and discoloration, no attempt was made to see if it would receive any signals. The fixed condensers were checked for quality, and the wiring was double checked. One must keep in mind the wavelengths for which this was designed to

operate on. I'm not too sure if one could tell whether it would work. This piece is more mechanical than electrical. There are too many spots in its construction where poor connections might give problems. Mechanically, it is beautifully constructed and a tribute to the machinist who built it. I was completely satisfied with the results. The restoration required over 120 hours to complete. (Art Albion)



Front view of completed Marconi Multiple Tuner.

(GBS)

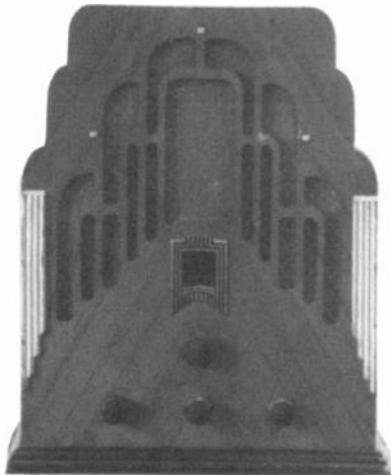




# PHOTO REVIEW

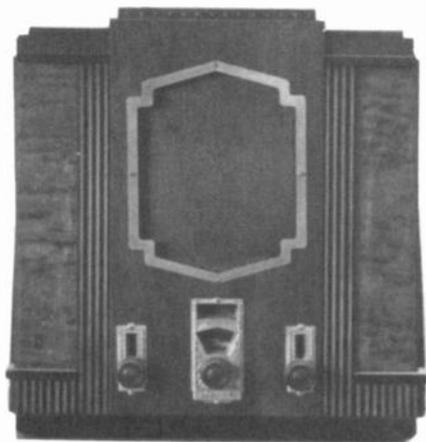


The "Photo Review" column is intended to present in pictorial form many of the radios, speakers, tubes, advertising, and other radio related items in the collections of other collectors. These photos are meant to help increase awareness of what's available in the radio collecting hobby. Photos are solicited 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.



**STEWART-WARNER** - Gray metal cabinet with cutout of woman's head for the speaker grille. Four-tube radio with resistance line cord manufactured in 1933. (Doug Heimstead - Fridley, MN)

**CROSLY** - This "Dual Seventy," Model 179, seven-tube Superhet was one of the many "Crosley Moderne Radios" offered by the Crosley Radio Corp. The graduated shoulders and base were finished in black and the decorative front flutings were finished in silver paint. The same chassis and speaker were also used in the "Dual Seventy Lowboy" console. (Scott L. Hagerman - Cary, IL)



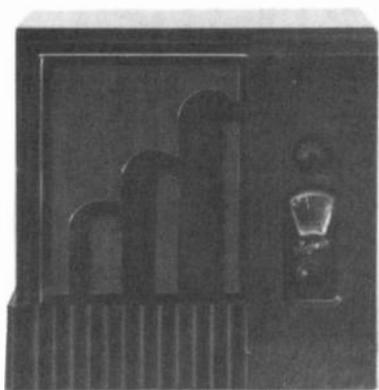
**FADA** - The FADA 1000 "bullet" radio. Cabinet is catalin and was made in many different color combinations. This one is yellow with red trim pieces. Manufactured by FADA in the early '40's. (Doug Heimstead - Fridley, MN)

**LEWOL** - This six-tube shortwave set is shown with an Art Deco styled cabinet adorned with nickel plated trim. It was manufactured by Lewol Mfg. Co. The same 61 chassis was used in several other cabinet styles during that time. (Scott L. Hagerman - Cary, IL)

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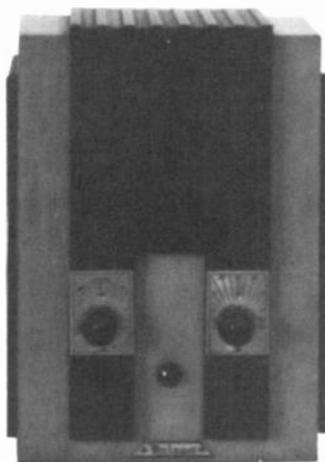
## PHOTO REVIEW

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**MAJESTIC** - This "Century Six," Model 463, was one of several six-tube Superhets offered by the Grisby-Grunow Co. of Chicago, IL. These were advertised as "The Smart Sets for 1934." With the use of gleaming chrome plated grille trim and escutcheons, Majestic felt that their sets were far more stylish than sets offered by other radio manufacturers of the day. Sales literature said that "Every Majestic chassis employs the new exclusive Majestic Duo-Valve tubes, which add the efficiency of at least two extra tubes to every set." (Scott L. Hagerman - Cary, IL)

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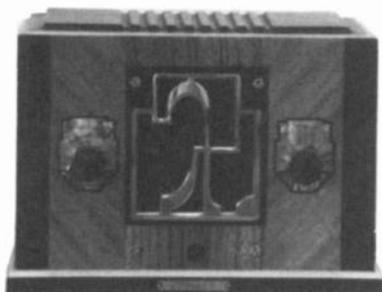
**HALSON** - Halson Radio Mfg. Corp. offered this small four-tube table model, shown here in blonde and contrasting black lacquered finish. It was available in a conventional finish as well. The deco inspired set is highlighted with chrome-plated nameplate and escutcheons, and has a red jeweled panel lamp. Halson also manufactured these sets for others, including the Spiegel Catalog Company. (Scott L. Hagerman - Cary, IL)

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**GRUNOW** - This tombstone, Model 500, was offered as shown with a distinctive chrome grille piece. However, the same model was available with a conventional wooden grille. Both Grunow and Majestic manufactured a wide variety of chrome-front sets during the height of this Art Deco inspired period, around 1934. Grunow was the name adopted by General Household Utilities Co. of Chicago, IL. (Scott L. Hagerman - Cary, IL)

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**CROSLLEY** - This "Travette Moderne," Model 182, is a 5-tube AC/DC Superhet. Crosley advertised these sets as "Supreme Beauty in Line, Color, Form!" Crosley sales literature stated, "In its zebra-wood and satinwood overlays, and the non-tarnishing silvery gleam of its chromium plated grille, the Crosley Travette Moderne is truly a new conception of radio beauty." During the 1930's, Crosley made perhaps only this one model with a chrome-plated grille. (Scott L. Hagerman - Cary, IL)

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# RESTORATION TOPICS

BY RICHARD FOSTER, 12 SHAWMUT AVE., COCHITUATE, MA 01778

**"RESTORE: To bring back to the original state; to improve, repair or retouch (a thing) so as to bring it as nearly as possible to its original state."**

**Oxford English Dictionary.**

The stated goal of many collections of radio and television apparatus is to show later generations what the apparatus of their parents' and grandparents' generations looked and sounded like. This is a worthwhile and generous idea. Implied is the notion that these radios, televisions and their accessories are historical artifacts as well as being a source of pleasure and satisfaction to their owners. They show what listening was like in the 1920's and 1930's. They reveal how we communicated in the late 19th and early 20th centuries.

The conclusion is inevitable. Artifacts deserve respect; they have their own integrity.

Recently the Glenn Baird collection was auctioned. Many sets drew high bids. The auction should remind us that we are not immortal, that we need to think ahead to those for whom we are preserving this apparatus, for we have and we hold, as so many deeds say, but we don't own forever. Our collections will pass on. What will they say?

"...there is, today, an additional reason for the appreciation of antiquities: private individuals enjoy collecting them. Serious collectors keep that in mind, because the number of authentic documents of the past is limited, and the number of collectors is growing, daily.

"Such a situation produces a humming sellers' market, and spurious, 'improved,' and 'cheered-up' artifacts purporting to be genuine antiques come to light continually. It therefore behooves even the informed collector to be always careful about acquiring new pieces for a collection."<sup>1</sup>

Included in "cheered-up" must be "refinish-

ed." Numerous collectors say in print: "When the decision is made that refinishing is required..." I would like to advance the idea that refinishing is never required. Refinishing, like many operations, is often undertaken to please the person collecting an object, and it always constitutes a fundamental alteration. So many finishes can be repaired with proper technique. Polyurethane substituted for tinted lacquer is not restoration. Polishing the finish off brass escutcheons and dials to "jazz them up" is not much of a way to show one's grandchildren how radios looked fifty years ago. Altering the circuitry for improved performance will not show how a set sounded in 1928, only what it sounds like in 1988. We hold these things for a time, but they move on.

There are two basic principles used by museum and furniture conservators of which we might want to be aware: respect for integrity of objects and reversibility of any changes made to the object.

From the Code of Ethics of the American Institute for the Conservation of Historic and Artistic Works:

"Respect for Integrity of Object

All professional action of the conservator are governed by unswerving respect for the aesthetic, historic, and physical integrity of the object."<sup>2</sup>

In the introduction to McGiffin's *Furniture Care and Conservation* we read:

"The prime concentration...is on the object; do not compromise its integrity; do not remove anything that shows the way it was used; do not let replacement of missing parts disfigure the object and distort the intent of the original maker. All these prohibitions clarify and vocalize what sensitive caretakers have felt for years. A great merit of this book is in its intimacy to the thoughts of its readers.

"In discussing the principles that guide contemporary conservation treatment, reversibility is stressed: try not to do anything in the course of a remedial treatment that cannot be undone in the future without exposing the artifact to harm.

"It may also be remarked that certain oper-

*Restoration Topics* by Richard Foster will be a regular feature in *Antique Radio Classified*. This first article presents the ideal to which we might strive, that of museum preservation. Not all collectors can achieve this goal, but Richard points out that we are not the permanent holders of our collections. The marks we make on them today in the word of "restoration" may inadvertently become gospel.

Future articles will include hints, tips, and restoration case histories. Comments and contributions from A.R.C. readers are invited.

Richard Foster has collected, restored and repaired radios for some fifteen years. He recently collaborated with Guy Biraud on a book with text in both French and English: "Restoration and Preservation of Scientific Apparatus for Collections." (John V. Terrey, Editor)

ations where reversibility is seldom weighed are, in themselves, irreversible. Take cleaning, for instance: how do you put back what you took away, except by attempts to replace it? A cleaning can go too far, can take away what it should have left in place, can break the surface of an ancient finish. Not consciously visualized as moments of irreversibility, cleaning activities nevertheless are such.<sup>3</sup>

Certainly the key word is "reversibility." I know good and careful people who nevertheless remove and discard all capacitors including filters from the top of the chassis, refinish the cabinet, polish the chassis and tube shields to a high brilliance, polish the dial brass and put upholstery cloth in the grille. There are economic considerations – many earn income from servicing, and no one wants the call that says, "My set went poof and smoked. I thought the house was on fire. Don't you know how to fix radios?" Many customers understand or even exaggerate the value of their radios and televisions, and are willing to listen to arguments for the preservation of their historical value, though. We can strike a compromise.

The other side of this coin is overworked objects. A 100-point show car is "restored" far beyond what factory-fresh ever meant. Let us hope that radios never attain the \$6.5 million that Harrah's Bugatti Royale brought. Then we will be rubbing 36 coats of lacquer on the inside of the cabinet!

One collector I know touches nothing – a set comes to him as it is – its dings are honest statements of its past life. However, most of us want to clean and repair, to "bring it back." Our obligation should be to think it through.

Three guiding principles ought to be:

1. Preserve the integrity of the object.
2. Preserve as much as possible the original surface.

The two books quoted in the adjoining article are worthwhile additions to any restorer's library. Both books are available from: American Association for State and Local History, 172 Second Ave. North, Suite 102, Nashville, TN 37201.

Per E. Guldbek and A. Bruce MacLeish: *The Care of Antiques and Historical Collections*, 2nd ed., 248 pages, index, paperback.

*The Care of Antiques and Historical Collections* is a conservation handbook covering subjects like documentation, environment, storage, workroom and other museum considerations, and has ten chapters devoted to the care and conservation of many kinds of materials such as wood, leather, textiles, glass and so on. There are three appendices, the third one being suppliers of materials and equipment. Mr. MacLeish says that he "...implores all concerned to consider the well-being of each object before dashing

3. Make whatever we do reversible.

A corollary should be that any reproduction parts used should be marked. As Ray Hutt at the Smithsonian once remarked, future students and conservators tend to look at their collections as authoritative. If the Smithsonian's set has a certain feature, then all such sets must have had it. An unmarked reproduction part may become gospel.

Finally, a word of caution:

"In actively treating any artifact, one must be willing to admit one's own limits of knowledge and skill, to avoid ruining the very object that

- Preserve the integrity of the object.
- Preserve as much as possible the original surface.
- Make whatever we do reversible.
- Mark reproduction parts

should be saved. Even trained conservators are expected to recognize and concede their own limitations – since no individual can be expert in all areas – and call on specialists for assistance whenever necessary.

"No matter how conscientiously the information in this book was prepared, or how careful its instructions may be followed, it is inevitable that some attempts at cleaning or repair of some objects will fail. Even conservators who have devoted years to working with one single kind of material occasionally run into failures through some quirk in treat-

(Continued on following page)

headlong into an indiscriminate program of gluing and polishing."

Robert F. McGriffin Jr.: *Furniture Care and Conservation*, 233 pages, index, hardcover.

McGriffin, in *Furniture Care and Conservation* starts with a definition of the distinction between restoration and conservation, restorer and conservator, and draws lines of approach to artifacts. It is written in part to "...provide recommendations for the private collector." He exposes "sound principles of collection care."

There are twelve very interesting chapters on subjects like cleaning, repairing or replacing wood and metal parts, care or repair of surface finish, housekeeping for collections, insect pests, health hazards and so on. There are six appendices, an index, a glossary and a bibliography. This one should be in every restorer's library.

(Restoration Topics, Continued)

ment; but they usually test carefully while working, to preclude a major disaster, and they have the accumulated knowledge about many kinds of treatment to fall back on. Anyone who is inexperienced in the scientific treatment of objects had best be quite circumspect in treating any object - test carefully and proceed slowly, because you usually have no alternative to try."<sup>4</sup>

In conclusion, your objects should tell the truth. McGiffin's book, which is well worth reading, tells the story of how one restorer created a piece that lied and was ambiguous; a characteristic of the authentic object was lost forever. Even if you disagree 100% with the foregoing paragraphs, bear in mind what the clock price guides say - that to bring the top dollar a clock must be either mint original, or be properly restored. There are literally millions of refinished clocks out there, many of them spoiled beyond help with replacement works. Many radios are going the same route. Radios, like clocks, are gaining in dollar value and radio price guides may in the future

be telling us - that to bring top dollar, a radio must either be mint original or be properly restored.

At least you can bear in mind your pocketbook. We may have lived in a time when radios were taken to the dump, and poor designs were improved by rebuilding. Perhaps we can today come to respect radios as documents as well as toys, and be kind to them.

Notes:

<sup>1</sup> Reprinted, by permission of the publisher, from *The Care of Antiques and Historical Collections*, 2nd ed., rev., by Per E. Gulbeck and A. Bruce MacLeish. Copyright © 1972, 1985, by the American Association for State and Local History, page 5.

<sup>2</sup> Reprinted, by permission of the publisher, from *Furniture Care and Conservation*, by Robert F. McGiffin, Jr., copyright 1983 by the American Association for State and Local History, page 180.

<sup>3</sup> MacLeish, op. cit., page x.

<sup>4</sup> McGiffin, op. cit., pages 3-4.

## RADIO-BOOK BESTSELLERS

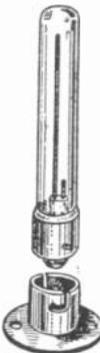
1. *The Radio Collector's Directory and Price Guide*, by Robert E. Grinder and George H. Fathauer: Ironwood Press, 1986. ....\$15.95
2. *How To Repair Old-Time Radios*, by Clayton L. Hallmark: Tab Books, 1979. ....\$8.95
3. *A Flick of the Switch, 1930-1950*, by Morgan E. McMahon: Vintage Radio, 1975. \$11.95
4. *Antique Radios, Restoration and Price Guide*, by David and Betty Johnson: Wallace Homestead Book Company, 1982. ....\$10.95
5. *Radio Horn Speaker Encyclopedia*, by Floyd A. Paul: Floyd A. Paul, 1986. ....\$11.90
6. *Vintage Radio, 1887-1929*, by Morgan McMahon: Vintage Radio, 1981. ....\$11.95
7. *Most Often Needed, 1929-1938 Diagrams*, by Morris Beitman: Reprinted by Vintage Radio .....\$11.95
8. *The Golden Age of Radio in the Home*, by John Stokes: Craig Printing Co., 1986 ...\$24.95
9. *Seventy Years of Radio Tubes and Valves*, by John Stokes: The Vestial Press, 1982 (soft cover).....\$15.95
10. *Tube Substitution Handbook*, 21st Ed.: Howard W. Sams and Co., 1986. ....\$5.95

Radio-Book Bestsellers, supplied by George A. Fathauer of Antique Electronic Supply, 688 W. First St., Tempe, Arizona 85281, is a ranking of the top-ten selling books of interest to radio collectors, according to sales over the past three months at A.E.S. Prices shown are the publisher's suggested retail prices.

## TUNE-A-LIGHT INDICATOR TUBE

The following information on the Tune-A-Light Resonance Indicator (see March A.R.C., page 12) is from the Winter, 1932 Catalog of the Radio Trading Co, 25 West Broadway, New York City, N.Y. Does anyone have information on a source? (John Terrey, Editor)

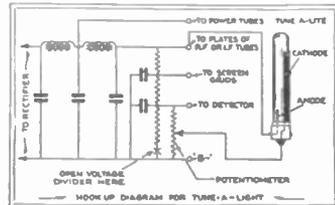
Glow Brilliantly When Set Is EXACTLY Tuned to Desired Station



The heart of this unique tuning device is a specially designed neon tube resonator which is energized by the incoming broadcast signal. As the dial is turned, approaching a signal, a rising column of red neon light reaches its brightest point just as that station is "tuned in on the button." This unique, visual method of tuning assures absolute resonance at all station frequencies. ENTIRELY INDEPENDENT OF VOLUME CONTROL and audio channel of receiver. Even with the volume control turned to its minimum setting the automatic Tune-A-Light works just the same.

### WORKS AUTOMATICALLY—

EASILY INSTALLED  
The Tune-A-Light, once installed does not have to be adjusted, or regulated in any way whatsoever—works entirely automatically—may be connected to all types of receivers in any of a variety of ways, the simplest and most efficient of which is printed here. Merely open the last section of the power park voltage divider at "B—" end, shunt a po-



tenfometer of equal value across the opened terminals and connect the Tune-A-Light cathode to the moving arm of the potentiometer. Then connect the anode to the H.F. or I.F. voltage tap and the Tune-A-Light is ready for operation. Adjust the potentiometer for best results.



# COLLECTORS CORNER

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

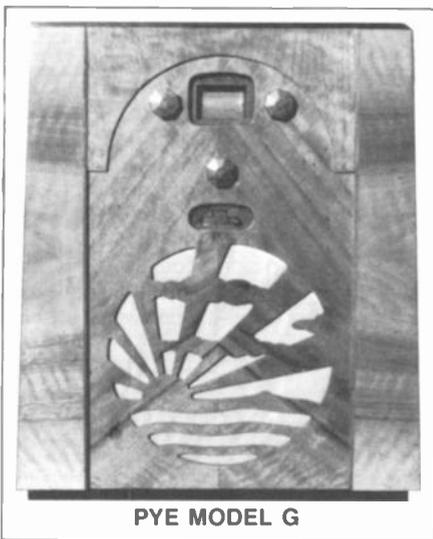
## THE PYE MODEL G (And a Short History of Pye Radio Limited)

By: Frank Heathcote

Pye Radio Ltd. of Cambridge is one of the pioneer radio manufacturing concerns of England. The firm, W.G. Pye & Co. was founded by William George Pye in 1896, with the help of his wife and two brothers, to make physical and electrical instruments on a part-time basis for school and laboratories. The company grew, and by 1914 employed forty people. With the coming of World War I, the company expanded to meet the great demand for precision instruments. Height-finders, telescopes, gun-sights, and signaling equipment were among the products Pye made for the war effort. But by 1921, the market for scientific instruments had virtually collapsed and the company looked to diversify.

Towards the end of 1920, the head of Pye's Electrical Department had designed a wireless set for himself. This inspired a partner in the company to branch into wireless receiver production. The first products were equipment to teach students the rudiments of wireless. The equipment proved so successful that they were much sought after by radio amateurs. With the beginning of broadcasting near the end of 1922, demand for wireless receivers greatly increased. During 1923, Pye was producing 2, 3, and 4-tube receivers. In 1925, Pye introduced the model 555, one of the first mass-produced portable sets.

In 1927, one of the most enduring radio cabinet motifs was introduced, the "Rising Sun" speaker grille of the Pye model 25. It continued on most models until the late 1930's. It was reintroduced on the model M78F portable of 1948. Unfortunately, for the first time it was used without clouds. To many it resembled the national flag of Japan, then England's recent enemy of World War II. The resultant public outcry caused the sets to be withdrawn from retailer's shelves and a great bonfire was made of them at the Pye works. No more than 200 were sold, making them extremely rare today.



PYE MODEL G

During World War II, Pye was in the forefront of radar and proximity fuse development. Pye designed and built over 40,000 two-way infantry radios and a Pye designed two-way tank radio became standard with Allied armies. Three other British companies were brought in to make them along with six more in the U.S.A. and Canada. At war's end Pye's employees numbered over 14,000.

A leader in television before the war, Pye was ready when the B.B.C. resumed telecasting in June of 1946. Pye remained in the forefront of TV development introducing a power transformerless model in 1948, black screen TV which enabled daylight viewing, automatic picture control, 13 channel switch tuning, and public demonstration of 3-D and color TV in 1949. Other developments included instrument landing systems for blind flying, stereo records, and closed-circuit TV. In 1960, Pye merged with E.K. Cole Ltd., manufacturers of Ekco radios. In 1977, Pye was bought by

(Continued on following page)

Philips Industries of the Netherlands, where it remains today, with the backing of Philips, a world leader in audio/video technology.

The Pye Model G of 1932 is a 3-valve (tube) TRF set that operates on 200-250 volts AC, covering the two standard European broadcasting bands 200-500 meters and 800-2000 meters (1500-600 and 375-150 KHz). The set is 20" tall, 16" wide, 9" deep, and weighs an amazing 40 lbs. It cost 18 Pounds, 18 shillings, or about ninety-five 1932 dollars. It was considered a mid-priced set on the English market. Mazda brand tubes are used, an AC/SG screen-grid tetrode in the single RF stage, an AC2/HL triode as detector, and an AC/PEN pentode output tube. DC voltage is obtained via a Westinghouse metal rectifier smoothed by 2-8 Mfd. electrolytics and a 2 Mfd. paper capacitor, filter choke, and the field coil of the 8" electrodynamic speaker.

The chassis of this set is unbelievably complex! Two sides extend the greater part of the height of the set. A horizontal panel is mounted between them about two-thirds of the way up with a vertical panel beneath it and another in front above it, upon which the con-

trols are mounted. The drum dial, which is calibrated in meters with the station names, is friction-driven off of the tuning knob shaft. On the drum shaft is a sprocket driving a chain connected to a larger sprocket on the tuning condenser shaft in the bottom of the chassis. The volume control is a dual unit, one controls radio volume, the other the phono input. The third control is a variable condenser controlling regeneration, beneath it is the wavechange switch.

I cannot give an accurate assessment of the operation of the model G. Mine is original and although working, it doesn't work as it should. Pye "Rising Sun" sets are among the most popular among English collectors. Due to large production runs and excellent workmanship, they are still quite common and reasonably priced.

Much of the information on Pye used in this article is from *The Story of Pye Wireless* by Gordon Bussey and the excellent history of Great Britain's radios and broadcasting, *Radio! Radio!* by Jonathan Hill. I heartily recommend it! (*Frank Heathcote*)

The next Collectors Corner will feature the ERLA 22P mantel clock radio of 1931.

(GBS)



*Jim Kreuzer and his Marconi Multiple Tuner, the subject of this issue's "With The Collectors."*

## Letters: Glenn Baird Estate Sale and Field Seed Company

Paul Gunzenhauser of Garden Grove, Iowa, writes, "...I certainly enjoy the A.R.C. publication. You are doing a great service for the collector of antique radios.... The May issue was of particular interest to me because of the coverage of the Glenn Baird Estate auction. My son Robert, age 14, and I attended the sale. It was educational to see a variety of sets in one location.

"The article on the Shenandoah Five and Super Six by Glenn add to the meaning of early radio in this part of the country. I have an old set of which the call letters KFNF and KMA are written in pencil at the appropriate spot on the dial. KFNF came on the air February 12, 1924, with a 500-watt transmitter. Another seed house and nursery owner from Shenandoah, Earl May, put his station KMA on the air August 12, 1925. It began broadcasting on 252 meters. Henry Field and Earl May were good friends so they did not compete for air time. This bit of information is from the book *KMA Radio, the First Sixty Years.*"

Phil Weingarten of Forest Hills, N.Y., writes, "Your May 1987 issue with the Henry Field Seed & Nursery Company story was most interesting." Phil calls to our attention the February 1925 cover of *Radio News* which shows, along with others, the radio stamp for KFNF.



# ANTIQUE RADIO SPECIFICATIONS

CONTRIBUTED BY: HENRY ROGERS, P.O. BOX 501, MINDEN, NV 89423

**ANTIQUE RADIO SPECIFICATIONS** - This column provides the collector with specifications, both physical and electrical on individual radio sets. Performance is measured and operation evaluated giving collectors a relative guide to expected results. Comments and suggestions concerning the evaluated radio are welcomed as well as additional radios you would like to see. *(Henry Rogers)*

The Crystoflex Company of New York was one of the many early radio companies that began with a good idea but didn't have the money or technical knowledge to compete with the major manufacturers.

The Crystoflex receiver has a reflexed circuit utilizing two tubes and a crystal detector. The RF amplifier is reflexed for the first AF amplifier giving the equivalent of one RF stage, crystal detector and two AF amplifier stages. No bypass capacitors are used in the circuit, probably a cost saving measure at the expense of performance. The hand engraved panel also attests to a limited budget.

Performance is only fair. The tuning is extremely broad due to the tight coupling in the RF coils. This poor selectivity, in addition to the limited frequency coverage, makes DXing nearly impossible. The set has ample volume on local stations and would have been economical to operate as only two voltage supplies are required. Best DX was KOMO in Seattle, WA, due more to receiving conditions than circuit performance.

There are other similar types of crystal-reflex sets existing. Some with names, others appear to be kits or homemade. Performance of these sets should be comparable to the Crystoflex. *(Henry Rogers)*

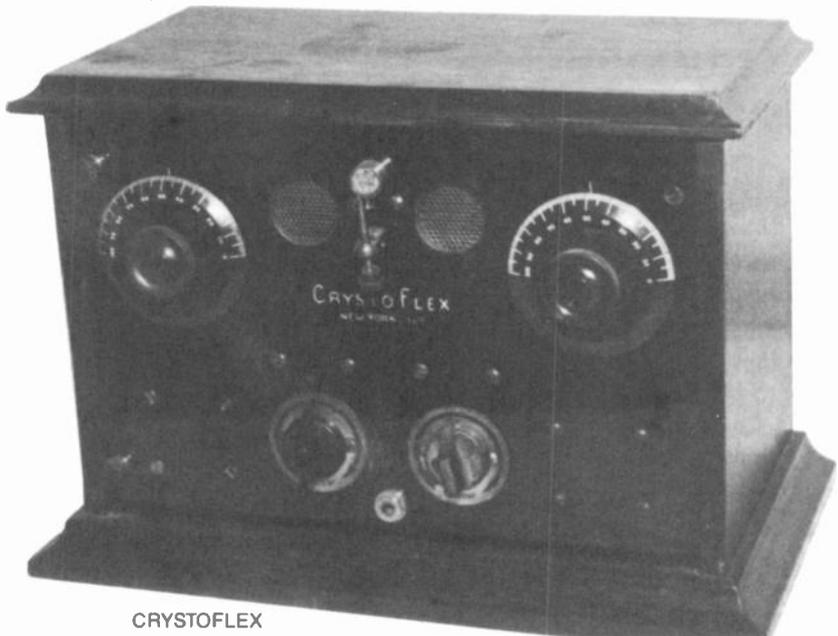
## THE CRYSTOFLEX

HEIGHT ..... 10"  
WIDTH ..... 14½"  
DEPTH ..... 7¾"  
WEIGHT ..... 8 lbs  
FREQUENCY COVERAGE - 480 to 1000KHz

**CIRCUIT:** 1 RF amplifier reflexed as 1 AF amplifier, 1 crystal detector, 1 AF output amplifier. Equivalent to four-stage receiver using two tubes and crystal detector.

**CONSTRUCTION:** Solid mahogany cabinet, Bakelite panel - hand engraved.

**VARIATIONS:** Similar type receivers exist, some with engraving, others appear to be kits or homemade. A similar circuit appeared in the 1923 LeFax Radio Handbook. (GBS)



CRYSTOFLEX



# BOOK REVIEW

CONTRIBUTED BY RICHARD C. FOSTER

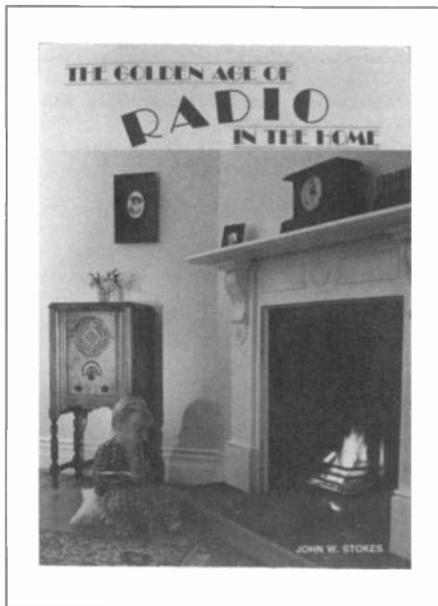
## THE GOLDEN AGE OF RADIO IN THE HOME

John W. Stokes  
Craigs - Printers and Publishers  
New Zealand  
1986, 162 pages

*The Golden Age of Radio in the Home* by John W. Stokes has outstanding virtues and is pleasant reading. Mr. Stokes both informs and entertains you. Like *Radio! Radio!*, reviewed recently in these columns, it is a piece of quality work, nicely packaged with an attractive jacket photo and high quality illustrations.

If you think that radio in New Zealand is limited and of restricted interest, that is not the case at all.

The ten chapters trace the beginnings of broadcasting and the development of hardware, including tables of technical developments, manufacturers and brand names. The third chapter on the development of cabinets and their materials I found unusually interesting. One chapter is about New Zealand manufacturers. Next are historical sketches of major manufacturers whose sets came into New Zealand; these are lavishly and finely



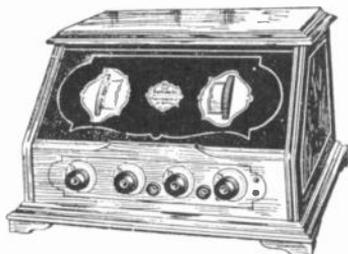
illustrated including some mouth-watering ads. Examples are Philips (forming a nice complement to the French Philips book) and Ultimate. The chapter on other manufacturers is a real collector's directory and reference with wonderful illustrations.

There is a chapter on American receivers, such as Atwater Kent, Philco, Majestic and RCA, sold in New Zealand. There are many makes, and the photos are often sets I have not seen in print in popular books. Chapter eight covers British imports, and chapter nine the Australian imports. This book is worth it just for the Australian version of the Radiola 24. Who wouldn't kill for one of those Radiolettes in jade green? Chapter ten covers collecting and dating.

This book is thorough, knowledgeably written, carefully researched, nicely presented, and easy to read - a nice feature for the beginner or noncollector who wants to feel the atmosphere of early radio in his easy chair. You'll enjoy owning it although it may start you collecting "down-under" radios, and then you'll need more space. . .

*The Golden Age of Radio in the Home* is available from the Vestal Press, 320 N. Jensen Rd., P.O. Box 97, Vestal, NY 13850. (607) 797-4872. Price: \$24.95 + \$2.00 shipping.

## Radiola 20



The Supreme 5 Valve  
Set

Amalgamated Wireless (A'sia) Ltd.

Box 830

Wellington

*Radiola Model 20 advertisement, page 119.*

# CLUB SPOTLIGHT

## ANTIQUA RADIO CLUB OF AMERICA A.R.C.A.

The Antique Radio Club of America (A.R.C.A.) was founded in 1972 with only 24 members. The club was formed by a group interested in the collecting of all types of early radio apparatus in addition to amateur radio equipment. A national club in both membership and leadership was a goal. Today, A.R.C.A. has grown to a membership of about 800 collectors and historians and is the second-largest antique radio club in the U.S.

A.R.C.A. serves its members in three major ways: the publication of the quarterly bulletin *The Antique Radio Gazette*, the sponsoring of an annual convention and the formation of local chapters.

*The Antique Radio Gazette* is published quarterly by A.R.C.A. and includes club news, articles on antique radios, profiles of early manufacturers, restoration tips and case histories, early television, amateur radio equipment, speakers and more. Regular columns include "Mel's Corner", the "Old-timer's Notebook" and "Ye Old Swap Shop". Although the 5 1/2" x 8 1/2" *Gazettes* usually run about 24 pages plus cover, the 15th anniversary, Spring 1987, issue had over 56 pages. Recently, A.R.C.A. created the J. Albert Moore Memorial Award

### Antique Radio Club of America A.R.C.A.

Yearly dues: \$12.00 per year for members in the USA, Canada and Mexico. Overseas dues are \$14.00 U.S. currency.

Publication: *The Antique Radio Gazette*, published quarterly.

Membership year: Jan 1 to Dec 31

Officers (1986-1987):

President: James L. Troe

Executive V.P.: Lloyd McIntyre

Vice President: Rodney Phillips

Secretary/Treasurer:

Jane & Bill Denk

Information, applications for membership and payment of dues:

Jane & William Denk (ref:ARC)

Secretary/Treasurer

81 Steeplechase Rd.



which is awarded to the writer of the outstanding article in the *Gazette* each year.

The club holds an annual national convention, shifting the location each year. The convention – a three-day event – includes a trader's market, an auction, an old equipment contest, technical programs, tours, a banquet, and events for other family members. The 1987 convention – in Washington, D.C., June 10-14 – celebrates A.R.C.A.'s 15th anniversary.

A.R.C.A. also sponsors local chapters. At present there is only one, the Charleston, West Virginia, Chapter, which was formed in September, 1980.

The Antique Radio Club of America invites all interested collectors to join or to write for information at the address to the left.



*The banner for the Antique Radio Gazette.*



# CLASSIFIED ADVERTISEMENTS



### WANTED:

- Need Amertrans that work.
- Need Harkness too that work.
- Like AF-5's and 7's.
- With windings unsever'ened.
- So I don't go berserk. "
- Want an A.K. A.F. too.
- Interstage with 5 leads from you.
- So sell it right away.
- So my Model 53 can play.
- And a speaker for same like new. "

Lyrics by Harvey E. Faulkner  
89-5C Pike Creek Rd., Newark, DE 19711  
(302) 368-7497

**FOR SALE:** Sams Photofacts in excellent condition - \$3.50 a set or 3 for \$10 + UPS. (1 to 1200) Min. order \$40. Jos J. Papovich, 218 Broadway, Westville, NJ 08093

**WANTED:** Knobs and record changer for Scott 800. Small knob for Philco 511. Richard Anthony, 2551 Andler Rd., Placerville, CA 95667

**WANTED:** Radiola I, Aeriola Jr., Vocarola speaker by Westinghouse, spark coils and transformers. Cash or trade. Scott B. Shanks, Rt. 3 Box 603, Sherwood, OR 97140. (503) 628-2909

**FOR SALE:** Radios, tubes, parts, literature plus repairs. LSASE brings list of Stan's Surplus Stuff. Stan Lopes, KG6LGV, 1201-74 Monument Blvd., Concord, CA 94520

**WANTED:** Keys, bugs and telegraph instruments. Also related parts and publications. Will purchase or trade like kind. I am a collector not a dealer. This is an affair of the heart, not the wallet. Warren Berbit, K2UVV, 46A Mile Road, Suffern, NY 10901

**RADARHIST.** The Journal for Early Radar Enthusiasts! Did you know that the SCR-270B that watched the Japanese fly toward Pearl Harbor was S/N 12? Opana Point 7 Dec. 1941. Don Helgeson, POB 3087 Skokie, IL 60076-3087. Fifty years at sea for the US Navy; In April 1937, the USS LEARY was fitted with a 200 Mhz pulse radar and put to sea! SCR-268 parts for sale.

**RADIO-RELATED TIE CLASPS** and lapel pins. All new list. Many new items. RCA-Philco-GE and more. Now available. Your color picture of your favorite radio. Put it in a 2 1/4 inch plastic button. Send L.S.A.S.E. for illustrated list. Michael Sabodish Sr., 11-A Matawan Avenue, Cliffwood, NJ 07721.

**WANTED:** Cabinet for Hallicrafters SX-17, 8 3/4"x19"x13" deep. Jim Barrows, W7BCT, 15121 41st Ave. SE, Bothell, WA 98012. (206) 337-4880

**WANTED:** Early issues of Pacific Radio News, later known as Radio. Also VHF equipment from early 1930's, except 1-10s and HFS. John J. Nagle, 12330 Lawyers Rd., Herndon, VA 22071. (703) 620-3066

**FOR SALE:** Old radio tubes, transmitting and receiving, new and used. Send SASE for list. Glenn Blizzard, PO Box 1364, Suffolk, VA 23434

**WANTED:** Early hi-fi magazines from the 1950's-1960's. Also looking for McIntosh AE-2 pre-amp. and early McIntosh tube amps. like 15W1, 50W1, 15W2. Jack Smith, 288 Winter St., N. Andover, MA 01845. (617) 686-7250

**WANTED:** Manual for Hammarlund HXL-ONE linear amplifier. Buy copy. Jim McGrath, W2IOJ, 2 Centerview Ln., West Seneca, NY 14224

**FOR SALE:** Approx. 60 old transmitting tubes. Send SASE for more info. Carl Reinke, 2724 N. 27th St., Sheboygan, WI 53083

**WANTED:** Paying \$10 for a picture tube pin crimper tool. Fred Emerson, 627 Illinois Ave., Elgin, IL 60120

## A.R.C. BACK ISSUES NOW AVAILABLE

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Jan. 85 - Vol. 2, No. 1	Dec. 86 - Vol. 3, No. 12
Mar. 85 - Vol. 2, No. 3	Jan. 87 - Vol. 4, No. 1
Apr. 85 - Vol. 2, No. 4	Feb. 87 - Vol. 4, No. 2
May 85 - Vol. 2, No. 5	Mar. 87 - Vol. 4, No. 3
Jul. 85 - Vol. 2, No. 7	Apr. 87 - Vol. 4, No. 4
Aug. 85 - Vol. 2, No. 8	May 87 - Vol. 4, No. 5

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*Other foreign orders, please add \$1.00 per issue for postage*

Send Order with Payment to:  
ANTIQUÉ RADIO CLASSIFIED  
P.O. BOX 2, CARLISLE, MA 01741

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** 1/2 price close out sale on all remaining copies of the 1926-1927 Atwater Kent Service Manual. Contains information on Models 10, 10B, 12, 19, 20, 21, 30, 32, 33, 35, 50 and B power unit Model R. Theory, schematics, possible troubles, etc. 41 pages. Also included is 15-plus pages of information on some radio clubs, possible parts sources, radio servicing by others, swap papers, and publications on AK radios and others available from others. Just added, schematics only, on Models 36, 37, 37C, 37F, 38, 40, 40F, 41, 42, 42F, 43, 44, 44F, 45, 46, 47, 48, 52, 53, 55, 55C, 56, 57, 60C, 81, 82, 82F, 84, 84F, 85, 85F, 145, 155, 165, 317, 325, 328, 337, 856 and 976. Detailed information on the Model 70, both L-1 and L-2 chassis. 3/4 pound package of copies; I pay postage. Sold originally for \$12; now all copies reduced to \$6 while supplies last. Shipped by Third Class or I can ship by First Class mail for \$7. Lots of good information on A.K. sets; the schematics and diagrams should be worth that! Gerald Koske, 10204 Thayer Road, Wonder Lake, IL 60097.

**WANTED:** Someone to haul a console radio from the ARCA meet this June in Washington, D.C. area to Southborough, Mass. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, N. Royalton, OH 44133.

**WANTED:** Parts for an IP500: binding post assemblies, operations manual, a nameplate or some one who can supply me with a good clear close-up photo and size, so I can have it reproduced (name your price?). Andrew Mooradian, 5 Priscilla Lane, Winchester, MA 01890

**FOR SALE:** Complete set of copper and zinc letter press photo engravings for the article entitled "Evolution of the Phonograph," as it appears in Radio and Television News starting with the Nov. 1955 issue - \$35. Daniel Gaidosz, 342 West River Rd., Orange, CT 06477

**WANTED:** Cathedrals: Philco, Kennedy, South Bend, RCA Victor, Silvertone, Zenith, etc. State price & condition. All replies answered. Jim Cook, PO Box 20368, Columbus, OH 43220

**FOR SALE:** Atwater Kent speakers: Model M & Model L. RCA Radiola IIIA radio. BO. Russell Schoen, E7340 Nietzsche Rd., Clintonville, WI 54929. (715) 823-6744

**WANTED:** Dead or alive: old car radios. Any year, any condition, any make. Also antennas, knobs, foot pedals, speakers. Dan Schulz, Box 892, Crystal Beach, FL 34256

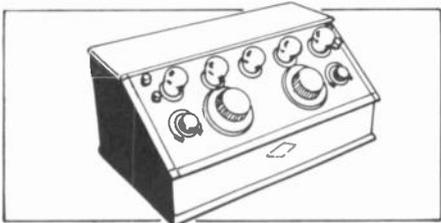
**WANTED:** Scott Pre-War FM tuner. Curtis Foester, Rt. 1 Box 166, Port Lavaca, TX 77979. (512) 552-2877

## CLASSIFIED ADVERTISEMENTS

**FOR SALE/TRADE:** Brunswick radio dial cover, circa 1930 - \$8. **WANTED:** Dial glass for Philco 41-295. Victrola parts and junk machines. Spark ignition model airplane engines. Dynaco tube amps. Allan Hibsich, 4 LaForet Ct., Oroville, CA 95966. (916) 589-0138

**WANTED:** Unused original boxed tubes, telegraph key, radio & speaker of Hallicrafters and Hammarlund. H. Nakajima, 158-1, Higashinaka, Yamatotakada, Nara, 635, Japan

**FOR SALE:** AK variometer - \$150. AK variocoupler - \$150. Equipment: Philco B.O. RF generator - \$75. Clough Brengle Model 110 RF generator, exc. - \$55. Hewlett Packard 205A RF gen., exc. - \$50. B & K 1075 analyzer, exc. - \$50. B & K 1077 analyzer, exc. - \$75. Plus UPS & hdg. SASE list. Joseph J. Papovich, 216 Broadway, Westville, NJ 08093



**WANTED:** OK, who's got it? Picture shows the "Wizzard" 5-tube receiver. I'll swap nice stuff for one. Please? Dave Crocker, 6 Old Farm Rd., Duxbury, MA 02332. (617) 585-5650

**FOR SALE:** Toy microphone collection. Thirty pieces to sell as a lot only. If interested, can take to ARCA meet in June or Radiofest meet in August. Lot price - \$425. Gary B. Schneider, 9511 Sunrise Blvd, #J-23, North Royalton, OH 44133. (216) 582-3094

**WANTED:** 3KP-4, 7JP-4, 8BP-4, 10BP-4, 10FP-4 picture tubes. Fred Emerson, 627 Illinois Ave., Elgin, IL 60120

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**WANTED:** Coils for SW3 or SW5. National AGS, FB7, FBX, FBXA receivers. Pilot receivers. Grebe shortwave receivers. S. Mount, K2OA, 35 Grand St., Highland, NY 12528. (914) 691-7957

**WANTED:** Plastic radios by Addison, FADA, Motorola, Air King, and Spartan. Paying \$5 and up plus UPS for one and two colour models. James D. MacDonald, RR #1, Glendale, Nova Scotia, Canada B0E 3L0

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*Note: All subscribers who renewed early and had expiration dates after MAR87 (old 8704) will have their subscription increased by 1 month per year. Yes, some have already extended their subscription into 1989.*

**WANTED:** Radiomarine receiver AR8510 and Sargent (superhet circa, 1935) or other shipboard. Walter Britton, 225 S. 17th St., St. Helens, OR 97051

**FOR SALE:** AK reprints w/photos, schematics: AK Radio Service Manual, 98 pg.s, 1928 factory service manual covers breadboard to Model 52 - \$11.95. AK Radio Parts List, 64-page companion to above, shows photo of chassis and lists parts for Models 9 to 67 - \$10.95. Prices include shipping. Vintage TV & Radio, 1204 Andrews Ave., Lakewood, OH 44107

**WANTED:** DeForest loop antenna. Good front panel for Grebe CR-9. Zenith 2M amplifier. Paragon A2 amplifier AFT. Thumb nuts for Kennedy 281. Kennedy 521 amplifier. Amplion AR-19 speaker. Wallace Geary, 209 W. Saunders, Mt. Pleasant, IA 52641. (319) 385-2389

**FOR SALE:** Case only for Crosley 51, good condition, small chip in top right-front corner, face good but need markings repainted - \$30. **FOR TRADE:** Riders Vol. 3 for Vol. 21, 22, or 23. Radio literature. SASE for list. Leonard J. Arzooonian. New address: 61 Columbus Ave., North Providence, RI 02911

**WANTED:** Telegraph instruments and publications. Dick Randall, K6ARE, 1263 Lakehurst Rd., Livermore, CA 94550

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Horn speakers. Battery sets. AC sets. Misc. SASE for list. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432. (612) 571-6062

**WANTED:** Crosley crystal set. Other manufactured crystal sets. One tube regenerative receivers. Frank R. White, PO Box 2012, Olathe, KS 66061

**FOR SALE:** Nice small wooden case tube type Model F228, untested - \$12.50. Thomas Burnside, 4838 S. Westhaven Dr., Jackson, MS 39209. (601) 922-2235

**WANTED:** RCA Red Books: 1923-28, 1929-30, 1931-32 (three books). Gilbert Smith, 248 South 36th St., San Diego, CA 92113

**FOR SALE:** Used Rider's manuals: Abridged 1-5 - \$25; Vol. 1 - \$50; Vol. 3 - \$30; Vol. 7, 8 - \$10 ea.; Vol. 9-14 - \$8 ea.; TV Vol. 1 - \$20; TV Vol. 3-7 - \$10 ea.; Public Address Manual - \$22. Shipping not included. Vintage TV & Radio, 1204 Andrews Ave., Lakewood, OH 44107. (216) 226-4054

**WANTED:** GE Model K63, cathedral chassis and knobs. State price and condition. Bill Allen, Bettendorf, IA 52722. (319) 355-1760

### SEND ALL A.R.C. MAIL TO

Antique Radio Classified  
P.O. Box 2, Carlisle, MA 01741

**WANTED:** Mallory Type 75 elkonode (vibrator). Subs - 275, 270B, 271 HD, or 1802. Dennis Hilberg, 804 Ravine St., Decorah, IA 52101. (319) 382-2012

**FOR SALE:** Zenith Transoceanic, H500, exc., booklet - \$80. **WANTED:** Dial for Scott Philharmonic. Tom Provost, 19 Ivanhoe Dr., Robbinville, NJ 08691

**WANTED:** Radiola VIII. Need actual parts or drawings: battery rack, cable, loudspeaker assembly, loop hardware. C.F. Kerry Gaulder, 463 Salem St., Wilmington, MA 01887

**WANTED:** Two RF coils (T1 & T2) for AK 376 or 206 or junker. B'cast/sw/sw band switch (3 positions) for GE H-87. Tony Bruno, 24 Butternut Dr., New City, NY 10956. (914) 354-8899

**WANTED:** Schematics for ROWE AMI jukebox, Model #JBM 200. L. Kruh, WB2EZX, 17 Alfred Rd. West, Merrick, NY 11566. (516) 378-0263

**WANTED:** Early open frame motor electric fans, motors, generators, medical devices, galvanometers, scientific instruments, etc. Richard Cane, 8391 N.W. 21 St., Sunrise, FL 33322. (305) 741-6838

# National HRO Receiver Survey

Conducted by Charles Fisher

Antique Radio Classified  
June 1987



The HRO receiver was manufactured by the National Company of Malden, Mass., and was announced in the October 1934 issue of *QST Magazine*. The HRO was a 9-tube superheterodyne communications receiver with continuous frequency coverage from 500 Kc. to 30 Mc. using plug-in coils and providing band-spread on the amateur bands. An additional range, 175 to 400 Kc. was also available. Remarkably, the HRO-60 – introduced by National in 1964, 30 years later – still was recognizable in appearance as an HRO receiver.

Charles Fisher of 161 Belknap Road, Framingham, Mass., has been studying details in the evolution of the early National HRO receiver. Previously, in June 1986, an invitation to participate in this study appeared in the Antique Wireless Association's Old Timer's Bulletin. Many accurate and helpful replies have been received as a result of that request, but more would increase the survey coverage. Antique Radio Classified is printing the questionnaire in full in this issue to make it easy for you HRO owners to report on your receivers' details.

Charles Fisher hopes to develop and publish details about the evolution of the HRO which were not previously available. It is expected that dating of the changes made to the receiver over the years will show how they relate to the well-known "versions." Even rough production figures may emerge.

The HRO receivers of interest for this current survey are the early types, the sets before the HRO-5's, -7's, -50's, etc. A later survey may cover these other sets. Your set is of specific interest if it has a plug-in crystal filter located in the right-front corner of the chassis under the lid.

Please try to give all the information called for on the questionnaire – it's not really as bad as the 1040! If you find things that do not fit the form, please make a note about it; you may have a rarity not previously seen.

## REMARKS ABOUT THE HRO SURVEY QUESTIONNAIRE

First, the serial number must be included! It is located on the top surface of the chassis in the narrow space to the left of the ANT terminal block, and consists of a letter + number, e.g. E65, M35, T210.

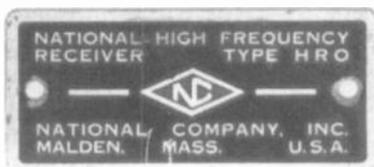
### EXTERNAL FEATURES:

No. 4: There are two known styles of nameplates differing in the neatness and crispness of the lettering. Answer a) if none; see the two reproductions below for b) and c).

b)



c)



## National HRO Receiver Survey Questionnaire

Name, address, call & phone (optional):

H R O serial no. \_\_\_\_\_ Crystal no. scribed on bottom of ba

### EXTERNAL FEATURES

1. Cabinet: a) 4 rows 1/4" holes, rear; b) 2 rows 1" holes,
2. Tuning dial: a) silver; b) black; c) moving figs. black on
3. Dial pointer: a) NC in red diamond; b) raised diamond
4. Nameplate, upper right front: a) none; b) crude lettering;
5. S-meter: a) metal shell, 1/4" thick raised rim; b) metal s  
c) bakelite, not illuminated; d) bakelite, illumina
6. S-meter switch: a) white push button; b) black push-pu
7. Pilot light: a) none; b) with screw base bulb; c) with
8. Small dials: a) short hubs, plain printed figs.; b) short hu
9. BSW terminal strip, rear of cabinet: a) none; b) yes, rive
10. Speaker terminal: a) flat wafer jack inside chassis; b) mo

### INSIDE and CHASSIS FEATURES

1. Chassis color: a) black; b) gray
2. Bottom plate color: a) black; b) gray
3. Condenser gear box: a) black; b) gray
4. Condenser spacer posts: a) hex ends, 1-5/8" long; b) hex
5. Condenser section insulators: a) flat, stamped from shee
6. Condenser GND lead: a) none; b) toward front, to xtal
7. IF cans: a) round; b) rectangular
8. Tube type stamps: a) on sockets; b) on chassis beside s
9. Tube types, per stamps: a) 2.5 volts (57, 58, etc.); b) e
10. Fiber socket type: a) center with pin circle is lower; b) t
11. Ceramic sockets: a) solid, no center hole; b) have cent
12. Decal maker's label inside lid: a) none; b) yes

### COIL FEATURES only for coils having same serial number

1. Tray fronts: a) 3/16" thick, alum.; b) 3/32" approx steel
2. Coil contacts: a) silver buttons seated on bakelite; b) )
3. Charts: a) black print on white; b) white print on black
4. Labeling on brown bakelite contact panels: a) none; b) Na

### SUB-CHASSIS FEATURES

1. Resistors (majority of): a) white, metal end caps, hand-w  
c) ribbed molded with wire-wrapped ends, B-E-
2. Brand name, large capacitors (majority of)
3. Brand name, small capacitors (majority of)
4. Text of any writing in orange crayon, inside bottom.

Notes

# ANTIQUE RADIO CLASSIFIED - JUNE 1987

(It is OK to copy this form)

Please return form to:

Charles Fisher, 161 Belknap Road, Framingham, MA 01701

acelike base, if any \_\_\_\_\_ Table model \_\_\_\_\_ Rack model \_\_\_\_\_

	a)	b)	c)	d)
ear; c) 1" holes plus louvres on ends				
silver; d) moving figs. white on black				
pyramid, no NC				
c) good lettering (see instructions)				
shell, shallow rim;				
ated				
l				
bayonet base bulb				
bs, etched figs.; c) long hubs, etched figs.				
ted in place; c) other (describe)				
lded, protruding from chassis				
ends, 1-1/2" long; c) plain ends, 1-1/2" long				
t; b) molded with hubs for spacers				
filter can; c) toward rear, to xtal filter				
sockets				
3.3 volt (6C6, 6D6, etc.)				
b) center has raised disc inside pin circle				
er hole				
s a set, above				
; c) same as b) with 4 extra holes, center				
uttons raised on 1/16" bushings				
k				
tional  Co.; c) National  Co. Inc.				
ritten values; b) same with stamped values;				
D code; d) smooth molded, ring color code				

No. 8: There are three known types of small dial; a) short hubs, figures printed on dial surface; b) short hubs, figures etched into dial; c) long hubs, figures etched into dial. Etched dials are thicker – not obvious unless both types at hand for comparison.



No. 9: The BSW terminal strip is often found added to early sets. The opening in the chassis may be crudely shaped, and the strip can be fastened with screws instead of rivets. The authentic item is a brown bakelite water strip with 'BSW' in white letters; other sorts of terminals are home-brew.

### INSIDE FEATURES:

Nos. 1-3: Chassis and gearbox should be same color, but black bottom plates do occur under gray chassis.

No. 4: The condenser spacers are the 8 metal posts, pairs of which position each of the 4 sections. They may have hex ends (like bolt heads) or be plain. The insulators to which the rotor contacting springs are fastened are in pairs either side of the two shields – between 1st and 2nd section, and between 3rd and 4th section.

### COIL FEATURES:

A set serial number is usually stamped on one of the cans, but may be on the flange with the 8 screw heads. If you have differing or various serial numbers, give the data separately. If you find no numbers, don't bother with the data unless you are sure that the coils came with the set when delivered.

No. 2: Contact types: a)  b) 

No. 4: Labeling in brown bakelite contact panels:

a) no marking. b) NATIONAL  CO. c) NATIONAL  CO. INC.

### SUB-CHASSIS FEATURES:

Repairs over the years often make these items doubtful; don't take great trouble, but do give text of any inscriptions. B-E-D code means body-end-dot value code.

When you have completed the form, please return it to:

**Charles Fisher**  
**161 Belknap Road**  
**Framingham, MA 01701**

Thank you for your participation in this study.

Charles Fisher.

**CLASSIFIED ADVERTISEMENTS**

**WANTED: TVs Bought! Pre-WWII – \$1,000 to \$4,000. 1940's sets and unusual TVs – \$25-\$750. We buy mirror, catalin, and novelty radios. 225 TVs for sale/trade! Harry Poster, Box 1883, So. Hackensack, NJ 07606. (201) 794-9606**

**FOR SALE: Autographed copy of Television Today and Tomorrow, 1942, Lee De Forest – \$50. Warren, 830 Geneva Dr., Prescott, AZ 86301. (602) 778-1608**

**WANTED: Pre-WWII televisions. Will have 6 total channels or less. Jim Clark, 1006 Pendleton Dr., Lansing, MI 48917. (517) 323-9595**

**FOR SALE: Edison floor model dictaphone. Also Heathkit amateur transmitter model DX 40. Make offer. Pat Cutini, 2114 Main Rd., Corfu, NY 14036. (716) 762-8270**

**WANTED: For Weston Model 788 Gm Tube Tester (or Navy OQ-3 - same thing): roll chart (paper and/or spooling parts), also hinges and fasteners; or will buy junker for parts. Cecil Grace, Box 459, Gracie Station, New York, NY 10028**

**FOR SALE: EH Scott Philharmonic, complete, no cabinet. Charles Harper, Suite 198, 2050 Idle Hour Center, Lexington, KY 40502**

**WANTED: Kennedy cathedral radio, made in South Bend. State condition and price. Gene Branson, 1617 A East 4th, Santa Ana, CA 92701**

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE: Worcester Electronics Laboratory broadcast band space magnet shielded ferrite loop/amplifier with manual – \$25. 1935 National Cathode Ray 3" oscilloscope – \$37. Cloug-Brengle type 60007 capacity and resistance tester – \$40. All excellent condition. Ward Becht, 625 Tufts Ave., Burbank, CA 91504. (818) 842-3444.**

**WANTED: Battery eliminator or any device that will allow AC power to be used to operate my RCA Victor radio Model 65F. G. Kelsay, 1117A 27th St., Niceville, FL 32578. (904) 678-1734**

**FOR SALE: Rider's Radio Vols. 9 & 10 – \$5 ea. Philco Service Manuals 1952-62, Radio & Phono 1955-62 TV – \$5 ea. Sam's Photofacts, a few below the 40's up to 300+, 100 lbs. or more – \$1 ea. or \$25 for lot. All plus shipping. Frank L. Brewster, Jr., 3rd St. & East Ave., PO Box 615, Baxter Springs, KS 66713. (316) 856-3220**

**WANTED: Three two-circuit telephone jacks. FOR TRADE: Philco 70 for battery or crystal set of equal value. Rudy Burick, 6 Whetstone Dr. #5, Gaithersburg, MD 20877. (301) 977-6745**

**FOR SALE: France battery charger, 1916, vibrator type, works, metered – \$10 plus UPS. Weston Standard Voltmeter Model 326, very fine working condition, 1913 – \$50 plus UPS. Leonard W. Gardner, 458 Two Mile Creek Rd., Tonawanda, NY 14150. (716) 873-0447**

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**FOR SALE:** Summer list: Philco Jr., Gloriette, other cathedrals, early fm Zenith, Crosley fivers, more! SASE. Ed Ripley, 2276 Holloway, Maplewood, MN 55109

**WANTED:** Radio News, pre-1931. Radio Retailing, all copies. Larry Solow, WB2DQI, 16 Sleepy Hollow Rd., Saddle River, NJ 07458. (201) 327-2406, evenings

**FOR SALE:** Asatic Model 10D Dynamic microphone, high impedance, new - \$20 plus shipping. Mohican Mod. GC-1A all band SW. set, good - \$50 plus shipping. Ed Martin, 8816 Ansonia Ave., Cleveland, OH 44144. (216) 661-9999

**WANTED:** Looking for color wheel in good condition. Must be complete. I will pay well. J.R. Wilkins, Box 3442, Arlington, TX 76019

**FOR SALE:** Radiola III replacement shock cord kit - \$1 per set, ppd. Andrew Mooradian, 5 Priscilla Ln., Winchester, MA 01890

**WANTED:** Radio novelties such as radio banks, toys, puzzles, board games, gimmicks, valentines, radio sheet music, advertising items, etc. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, North Royalton, OH 44133. (216) 582-3094

**WANTED:** Chassis for Atwater Kent Mod. 165. Grebe SK 4. Majestic Chassis 300A. Jim Stratton, 6902 Post, Spokane, WA 99208. (509) 328-8471

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Amateur license plates. Also Drake, Hammarlund receivers. Levy, 8 Waterloo Dr., Morris Plains, NJ 07927. (201) 285-0233

**CLASSIFIED AD DEADLINES**

Jun. 10 for Jul. 1987 Issue

Jul. 10 for Aug. 1987 Issue

Aug. 10 for Sep. 1987 Issue

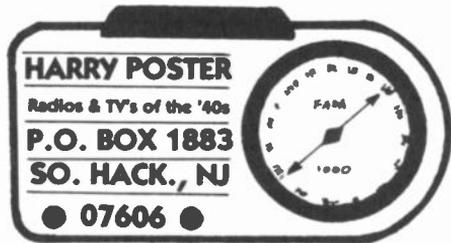
**FOR SALE:** Early books: Leutz 1913, exc., 1st Edition "Short Wave" - \$100. Leutz, 1924 Modern Radio Reception, exc. - \$50. 1928 Edition, exc. - \$40. Ghirardi, 1930 Radio Physics Course 1st Ed., exc. - \$50. US Naval Handbook of Regulations, exc. 1913 - \$75. Practical Wireless, Bucher 1917, VG, 2nd Edition - \$30. Many others. SASE list. Joseph J. Papovich, 216 Broadway, Westville, NJ 08093

**WANTED:** To buy old radio premiums. Robert Albin, Box 182, Hebron, IN 46341. (219) 696-7187

**FOR SALE:** 50A5 tubes N.O.S. name brand in original box - 50¢ ea. 3-speed phono needles - 50¢ ea. Parting out Quasar Mdl. 1000 VCR, write wants. Sel. rectifiers N.O.S. name brand 60 to 500 ma. - 3 for \$1. N.O.S. body, end dot old style carbon resistors - 20¢ ea. N.O.S. Juliette voice activated microphones - \$6 ea. Have tubes, service info., test equipment., electrolytics and many other vintage radio items. SASE for list. England's, 98 Montague, Zanesville, OH 43701

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CT-100 (1st color)	CALL!
621-TS	\$650
630-TS	349
630 Chassis w/CRT	99
721-TS	299
721-TCS (rare)	CALL!
730 TV1, not working	100

<b>RCA SETS:</b>	
8TS30	299
648 Projection	399
9PCS41 Projection	399
Dumont Chatham	249
Admiral 7"	199
Motorola 7"	199
8" (scarce)	249
Philco 10" Combo	249
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**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Echophone commercial - \$20. AK 46 with speaker - \$90. Supreme Model 561 signal gen. - \$20. Supreme Model 304A set tester - \$20. Supreme Model 385 tube and set tester - \$20. AK 20 - \$85. Fisher Model 400 FM tuner with amp - \$40. Don Reinsma, 720 N. 18th Ave., Pensacola, FL 32501. (904) 433-2309

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ISSUE OF YOUR SUBSCRIPTION!**

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The number of issues you will receive has not changed, only the date on your label.

**WANTED:** Hallicrafters SX28A for parts. Need not be working or with cabinet. Would also buy the original speaker. Specifically need a good I.F. transformer T-3 part 50B083 and B.C. band oscillator transformer part 51B582. Dean Showalter, WA6PJR, 36308 Panorama Dr., Yucaipa, CA 92399. (714) 797-1782

**FOR SALE:** Zenith Portable Royalty of Radio, leather case, plays - \$35. Victrola, oak table, Model Exhibition - \$100. Grebe synchrophase - \$150. Airline superheterodyne - \$35. Silver-tone radionet - \$35. Atwater Kent Model 20 - \$65. Brunswick Radio SKR - \$65. Gilfilan radio - \$125. Pat Cutini, 2114 Main Rd., Corfu, NY 14036. (716) 762-8270

**FOR SALE:** Philco grandfather clock, exc. - \$350. Philco mantel clock - \$175. Radiola 25 loop - \$40. Sonochorde speakers - \$20. Philco tombstone 650 - \$75. Fada Neutrodyne - \$85. Zenith service lit 1938-42 - \$10. Radiola 25 case - \$50. Richard C. Foster, 12 Shawmut Ave., Cochoituate, MA 01778. (617) 655-2056

**WANTED:** European schematics for Philips and Grundig radios. I have Becker, Blaupunkt and Telefunken manuals. Rodney Holland, Rt. 9 Box 100, Mena, AR 71953

**WANTED:** National SW3, SW4, SW58 and SW34 receivers and accessories. Also buying usable parts for restoration of these radios. Premium prices paid for original coils. Dean Showalter, 36308 Panorama Dr., Yucaipa, CA. 92399. (714) 797-1782

**WANTED:** Hudson-Ross "Globe Trotter" Shortwave receiver (shown on page 12, Oct. '86 A.R.C.). Also want Atwater Kent "breadboard" Model 5 or Model 9C. No junkers, please. Malcomb Ringel, KN4KWD, 305 Buckhead Ave., Atlanta, GA 30305. (404) 231-0084, weekdays.

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Audios: 2 Kennedy V, 2 RA/DA, 4 Grebe CR 9 and 12. Clapp-Eastham HR tube socket. Radiola RS guts, excellent. Crosley 51 cabinet. Kennedy V & XV knobs. GE 810 TV knobs. Magnavox TRF-50 lid. Howard Stone, HCR-3, Box 418, Deer River, MN 56636

**FOR SALE/TRADE:** Hammarlund Super Pro and power supply. **WANTED:** Hallicrafter SX-88 or later model or HRO, etc. Walter E. Joyce, 2118 East Q-5 Ave., Palmdale, CA 93550. (805) 947-3767

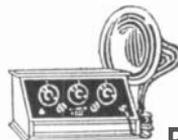
**WANTED:** Can anybody help me? Still need an RCA 125 and Crosley 124 chassis. Prefer complete original, working or not. Also cathedral and tombstone radios, in need of restoration. Rough condition is OK, but would prefer complete sets. Write or call. Jeff Pomakis, 27 Fairview Ave. #6, Ipswich, MA 01938. (617) 535-2343

**SEND ALL A.R.C. MAIL TO**

**Antique Radio Classified  
P.O. Box 2, Carlisle, MA 01741**

**WANTED:** Grandfather clock radios. Feb. 85 issue of ARC, Vol. 2, No. 2. Clifford Watts, 51 Glendale Rd., Brantford, Ontario, Canada N3T 1P5. (519) 753-5087

**WANTED:** Midwest Radio Corp. table radio produced and sold 1937 for \$39.95. Art Robertson, 12110 W. Rice Pl., Morrison, CO 80465



**Jim's  
Vintage  
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**SPECIALS THIS MONTH:**

1. Lafayette 16-Tube Console .....\$150
2. Magnovox A2R Speaker/Amp 325
3. AK 82 Cathedral, restored .....395
4. Protelgram Projection System, Complete.....75
5. Microphone Radio, working .....95
6. Emerson Radio-Phono ..... 35
7. Zenith 3'x5' Porcelain Sign .....245
8. Airline "Movie-Dial" Console .....150
9. Philco Jr. Cathedral ..... 175
10. RCA Thermometer ..... 35

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Send Business SASE.*

1006 Pendleton Drive  
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CLASSIFIED ADVERTISEMENTS

**WANTED:** Automobile record player, new or used. Curtis Foester, Rt 1 Box 166, Port Lavaca, TX 77979. (512) 552-2877

**FOR SALE:** WE 7A amplifier with two original tubes, case refinished - \$200. LS-52 output transformer, N.O.S. - \$25. Peerless K221D input transformer, N.O.S.. Large quantity of N.O.S. tubes from the 30's. SASE for list. Prices nobody will equal. Ken Mays, 724 Swan Dr., Charleston, SC 29407. (803) 766-8451

**WANTED:** Kennedy cathedral radio, made in South Bend. State condition and price. Gene Branson, 1617 A East 4th, Santa Ana, CA 92701

**FOR SALE:** E.H. Scott Philharmonic, complete, no cabinet. Charles Harper, Suite 198, 2050 Idle Hour Center, Lexington, KY 40502

**WANTED:** Automobile shortwave converter in 6-volt or 12-volt, new or used. Curtis Foester, Rt. 1 Box 166, Port Lavaca, TX 77979. (512) 552-2877

**WANTED:** Hickok tube tester model 539C in good operating condition. Also, Rider's manuals 1 to 8. Al Dean, 295 Pierce St., Leominster, MA 01453

**FOR SALE:** Two Hallicrafters S38A. One S-36A (BC-787-B) UHF Receiver. One Heathkit 6 mtr. Transceiver. BO. Paul Currie, Denmark Wireless Museum, RR1 Box 77, Denmark, ME 04022

CLASSIFIED ADVERTISEMENTS

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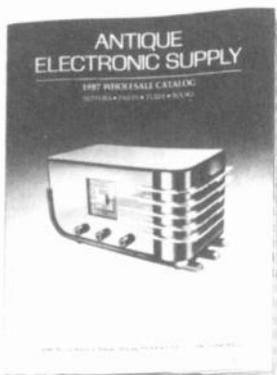
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**WANTED:** Junker Radiola 20. Philco 20 es-cutchoon. Philco 91 cabinet, condition not important. How about it, guys? Please lend a hand; I've been looking for this stuff for nearly two years. Henry Brown, 160 French St., New Brunswick, NJ 08903. (201) 846-4820

**FOR SALE:** A.J. Edgecomb Navy type tuner from the Wireless Shop, circa 1917, mint, authentic tag from the Greenwood Collection. Make offer. F.A. Nichols, 720 E. Eldorado St., Appleton, WI 54911

**WANTED:** Catalin radios. Paying \$1000 for Emerson tombstone in green or red. Paying \$1000 and more for Air King tombstone in certain models. Anthony Scarfoglio, 13 Fourth St., Brooklyn, NY 11231. (718) 858-1231



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**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Philco Model 50, cabinet good, working - \$120 ppd. Alan Piorek, 1050 N. Paulina, Chicago, IL 60622

**WANTED:** Help. Italian friend needs six 1/4 amp. ballast resistors for 01-A tubes (Amperite, etc.). Robert Lozier, 600 E. Green St., Monroe, NC 28110. (704) 283-2638

**WANTED:** I will pay absolutely top dollar for the following in excellent, mint or restored condition: Hallicrafters S-38, 1947-48. Hallicrafters SR-75, receiver with self-contained transmitter, 1951. Philco 90B. RCA T-62. Emerson table, ca. 1941, with local tubes. Scott 1939-40, AM/FM chassis. Zenith 8-S-154, ca. 1936. The right Zenith will be the center of my private collection, and I will spare no reasonable expense in securing this radio. Richard L. Winslow, Box 192, Chatham, NY 12037. (518) 392-2633

**FOR SALE:** RCA 1940's portable radio with carrying case. 1950's 45 RPM record player. Henry Schwartzman, 133 W. Fourth St., Corning, NY 14830

**WANTED:** Clapp-Eastham Duel Detector Receiver. Please write or call. Fred London, 3716 S. Country Club, Tempe, AZ 85282. (602) 345-1091

**WANTED:** Rider's Vol. 21, 22 and 23. Jerry Brannon, 22324 100th Ave. SE, Kent WA 98031. (206) 854-4234

**FOR SALE:** Rider's 2 - \$35; 3, 4, 17, 18, 19 - \$25 ea.; 5 - \$20; 12, 13 - \$10 ea; 1-5 abridged - \$40. Call to reserve item. Bill Rolf, 30131 Center Ridge, Westlake, OH 44145. (216) 871-4547

**FOR SALE:** Radiola IV. AK 20C. Philco 60. Philco Jr. AK M horn. Philco 37-84. Wilcox-Gay tombstone. AK 44. **WANTED:** Breadboards. Cathedrals. Unusual horns. Gary Hill, 1507 Ridge Ave., New Castle, PA 16101. (412) 654-9335

**WANTED:** Weird typewriters, pre-1910. Arthur Harrison, 501 Arbor Dr., Columbia, MO 65201. (314) 474-8729

**WANTED:** Advertising Signs, Books, Manuals, Novelties, etc. pertaining to radios built in foreign countries. R. King, 3017 Orwell St., Lincoln, NE 68516

**WANTED:** Old Electrical Apparatus - Test Equipment, Open-Frame Motors/Generators, Spark Units, Switchboard Meters, Bulbs, Tubes, Table Radios, Medical Devices, Books, Knife Switches, Trains & Accessories, Specialty Devices, etc. H. Andreoni, 250-D So. Lyon Ave., Hermet, CA 92343

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Amateur radio. Broadcast radios. Magazines. Books. Send SASE. Russ Olmsted, K4UJZ, 608 W. Thompson Ln., Murfreesboro, TN 37130

**WANTED:** Good Weagant valve. DeForest spherical and tubular audions. Other early tubes. Specify prices. Marc Gottlieb, Box 1112, South San Francisco, CA 94083

**WANTED:** Chassis for Stewart Warner Model 530. **FOR TRADE:** Nice cabinet with "dancing ladies" in speaker area. Please help me out. Bernie Gebhardt, 2900 Merrill Ave., Wausau, WI 54401. (715) 675-2504

**FOR SALE:** Philco 40-135, exc., works - \$50. Philco 38-62, fair, refinished, works - \$30. **WANTED:** Cabinets for a Thorola Isldodyne Model 55 in walnut & a Philco 89. Also a source for speaker wire & grill cloth, reproduction or N.O.S. **FOR TRADE:** 120 lbs. of gun magazines, including some American Rifleman from the 30's. Trade for radios from the 20's, early 30's. UPS extra. D.W. Combs, 6587 Pacheco Way, Citrus Heights, CA 95610. (916) 969-0635

**WANTED:** Common-type tuning knobs about 3", 0-100. Dan Damrow, W9GQY, 5331 West 79th St., Burbank, IL 60459

**WANTED:** Cabinet for A-K 708. Speaker for AK 310/510. Jeff Aulik, 803 N. Chicago Ave., Rockford, IL 61107. (815) 399-1902

**FOR SALE/TRADE:** GE Mickey Mouse clock radio - \$45. Freed-Eisemann #57, w/tubes - \$50. Scott #299-D tube amp. w/tuner - \$40. **WANTED:** Philco radios, #604C, #45, #610T all in F.O.S. Also blue mirror clocks, FADA A.C. sets. J. Downes, 607 East 12th Ave., Covington, LA 70433. (504) 893-7057

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Models 24 and 50

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Amplifier for Model 311 Portable

**CONN. TELEPHONE & ELECTRIC**  
Amplifier for Model DR-6 Sodian Rec.

It may be a long time before I find some of the sets I am listing in these ads, so remember to call me when you are ready to part with yours. I am putting together a collection of early broadcast and wireless equipment and adding to it each month. I buy single sets or collections. Also: books, catalogs, manuals and other related documentation. Call and surprise me; make my day!

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**WANTED:** Radiola 104 loudspeaker. Victor power amp units AP-736 (SPU-24), AP947, or similar units any condition. **FOR SALE:** Cheap or free large old radios for parts, pick up only. John J. McFadden, 5915 Greene St., Philadelphia, PA 19144. (215) 896-4528 days. (215) 438-4097

**FOR SALE:** Atwater Kent, Freed-Eisemann Mod. FE15 no. 107A. Crosley Reflex 3-tube. DeForest 5-tube and others. Four speakers. Kelly Johnson, 1011 Bergeson Dr., Granite Fall, MN 56241

**WANTED:** Premiums paid for pre-1939 National equipment & old SW receivers like Patterson, RCA ACR-136 & 175, Breting 12 & 14, RME-9, Howard 430, Hallicrafters Silver Panel Super Sky-riders, and airplane dial Sky Buddy or Chief. Big premium paid for locating Harvey FT-30 transmitter, see FOS p. 257. Also, brass Wimshurst static machine. What do you have relating to the French trans-Atlantic telegraph cable that landed in Duxbury in 1869 and on Cape Cod in 1879? Robert Enemark, Box 1607, Duxbury, MA 02331. (617) 943-5043

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**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Radiola IIIA, near mint. Freed-Eisemann 130. Crosley lighting. AK 30. Zenith transformer. Many others. 50-60 tube type amps, speakers, tubes, parts, etc. Send SASE. Frank Cuva Jr., 1637 Hancock St., Ridge-wood, NY 11385

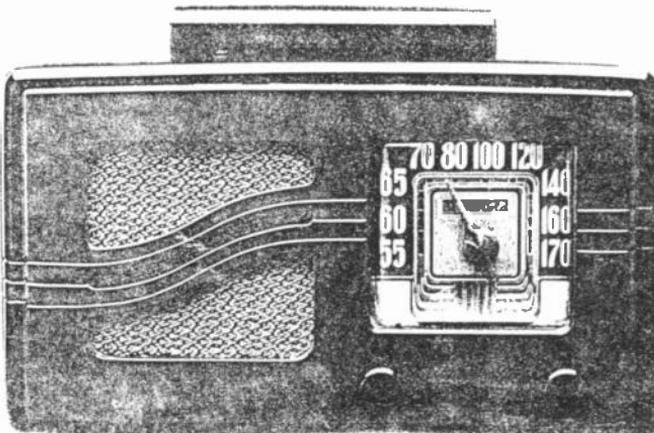
**WANTED:** Law enforcement or fire badges in trade for antique radios, parts, tubes, light bulbs, and test equipment. Send SASE for multiple page list. Scott Welch, PO Box 4932, Foster City, CA 94404

**WANTED:** Schematic for Loftin-White radio chassis model P. This TRF AC set has 3-24, 1-45, and 1-80 tube lineup. Thanks! Bill Jones, 5229 Cheshire Rd., Galena, OH 43021. (614) 548-4700 days

**FOR TRADE:** Decent Federal 141 for Paragon of similar value. Delivery at Radiofest. George Hausske, 1922 E. Indiana, Wheaton, IL 60187

**WANTED:** ARRL Radio Amateur's License Manual, 1947 edition. ARRL Learning the Radiotelegraph Code, 1946 and 1947 editions. Fundamentals of Radio by L.O. Gorder and Kenneth A. Hathaway, American Technical Society, 1946 edition/printing. Avery Baswell, 2603 Pentolope Dr., Huntsville, AL 35803. (205) 882-9513

**FOR SALE:** D.H. Moore's Vintage Radio Identification Sketch Books; 8 vols., mint condition. Doug Heimstead, 1349 Hillcrest Dr., Fridley, MN 55432. (612) 571-1387



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MODEL: 51X16 1939, IN ANY  
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**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Addison radios. Northern Electric battery radios. **WANTED:** N.E. R-4, Radio News Canada. Have trades. A.R. Nolf, 539 Kastelic Pl., Burlington, Ontario, Canada L7N 3R5. (416) 639-4768

**SEND ALL A.R.C. MAIL TO**  
**Antique Radio Classified**  
**P.O. Box 2, Carlisle, MA 01741**

**WANTED:** Remote control unit or information for Model H15 Newcomb Audio Products Co., Hollywood, Ca., amplifier. **FOR SALE:** Capehart Pancake record changer, radio, amplifier. Paul Gunzenhauser, Rt. 1 Box 133, Garden Grove, IA 50103

**FOR SALE/TRADE:** Edison disc console victrola BC-34 - B.O. Dictaphone wax cylinder shaving machine - B.O. Suitcase-type Victor victrola - B.O. Heathkit ham gear: DX-20, DX-40 transmitters; HW-12, HW-32 transcvrs., w/manuals - B.O. Triplett Mod. 3434-A TV-FM sweep/marker generator, Edison Amberola cylinder player, many plastic table and wood floor model radios - \$10-\$75. N.O.S. #77 and 1U4 tubes - \$1 ea., 3 @ \$2.50 + P.H. List of radio, electrical books, catalogs, advertising. Send SASE. Mike Crain, RD1 Box 472, Harveys Lake, PA 18618

**WANTED:** Large Midwest consoles. RCA 1936 chrome trim sets. 1933-34 GE "Mantel Clock" shapes. Arvin Rhythm King. Large Zeniths '34-'39. 15-tube '36 Sparton. Unusual bakelite or plastics thru 1950. \$13,000 for Sparton Nocturne. Also want Marantz, McIntosh and other old tube equipment. I will pay top prices for desired items. State price and include photo or drawing please. Ed Schneck, 1401 Ocean Ave., Brooklyn, NY 11230. (718) 377-7282

**FOR SALE:** June specials! RCA Model 56X3, 6-Tube AC/DC table model (FOS, p. 158), looks & works F.B. - \$40. Brand new RCA tube caddy. Holds over 60 tubes, tools, fuses, etc., red & black - \$25. Two Radiotron WX-12's, 1.5 volts, like new - \$15 ea. Acme Duo Cone, good - \$35. Early CB collectors - two Stewart-Warner portaphones, red leather cases, super regen. 455 meg. + 6 volt p.s. - \$50. C. G. Boat safety radio, standard 25 watt marine radio 12 channels, complete with L.S., mike and marine whip ant. Runs off 12 volt supply - \$100. **WANTED:** W.E. cone spk., 24", open unit OK (V.R., p. 207). Also, Ferguson one dial 5-7-tube radio. Wm. J. Key, W1DWD, 58 Sycamore Drive, Halifax MA 02338. (617) 294-1831

**WANTED:** A & B supplies. Natural speaker for Grebe Synchrophase 7. Jim Caraway, 610 Ashford Rd., Wilmington, DE 19803. (302) 571-9062

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**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Silver Marshall #221 output transformer - \$15, #33 Unichoke - \$15. Audios: Acme A2 - \$9; Amertran 1st or 2nd stage - \$10; Rauland - \$15; Samason - \$10; Gen. Radio - \$10; RCA/GE UV712 - \$12; All American, 2 types - \$10 ea. Assd output, tube to speaker filters - \$9 ea. Have 50 assd. open-coil audios, use for display or space fillers, no choice - \$2.50 ea. Have other audios, chokes, power & fil trans, no list, write, SASE. WD11 sockets - \$3. Rheostats - \$1.50, with knob - \$2. GE bar knobs, less set screws - 10 for \$3. N.O.S. Yaxley 10-20-30 ohm rheostats - \$3.50 ea. 15+ dials, vernier-type, have been rain soaked, lot - \$15. Stancor PG298 isolating transf., adj voltage, large, heavy - \$20. Isolating transf, 11 1/2 lb. - \$15. Pilot 398 pr. transf. - \$9. Pilot 387/396 filter block - \$14. Thordarson transf. R171 - \$15. Acme CW unit pr. trans., 750 V, for old transmitter - \$18. American transf. PF 52, fil & plate - \$10. RCA fil 7.5-15 V, 30 amp - \$15. Have some heavy iso. transf. AK N speaker, bad cone - \$15. Batt. chargers as removed from repair shop: Balkite "B," wet - \$10; Westinghouse 3/4 amp - \$8, 1/2 amp - \$6; home charger type "R," vib., 5 amps - \$12; vib. charger, 5 amp, old - \$15; Knapp "A" power, old - \$18; Apco vib. charger, old - \$8. Zenith hi-fi Cobra-matic rec. player - \$15. Radiola 18 power unit - \$22. Stereo amp panel, rack mount, 8-tube, 20 watt - \$20. H.H. Scott stereomaster 350 FM tuner - \$35. H.H. Scott stereomaster 222-D amp - \$45. Dewald stereo amp - \$30. All plus shipping UPS. Min. orders \$7.50. List for SASE. Have Rider's, Howard Sams, test eqpt., magazines, parts, tubes for sale. F. Krantz, 100 Osage Ave., Somerdale, NJ 08083

**WANTED:** Cabinet for Magnavox TRF-5 or TRF-50 battery set, or junker (V.R. p. 99, 100). Larry Schiebel, 440 Raymond Ave. #3, Santa Monica, CA 90405

**FOR SALE:** Radio Boy books, other literature. 50 + radios, TVs, test equipment, bulbs. Send SA2SE. John Kendall, PO Box 436, Fallston, MD 21047

**WANTED:** Working or restored chassis for Brunswick Model 18 radio. Gilbert Smith, 248 South 36th St., San Diego, CA 92113

**OLD TIME RADIO PROGRAMS** for fellow collectors of old radios who remember the old time radio programs. Available on Cassette. Enjoy Comedy, Classics, Adventure, Music. \$3.00 cash for catalog. George E. Brehm, 13402 Liebacher Ave., Norwalk CA 90650

**SCHEMATICS** for Radios, Power Supplies, Amplifiers, Plus. 1919 to 1945. Send SASE, \$1.00 per copy, brand name and model number. Gene Corn, 3 Barton St., Greenville, SC 29609

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Breadboards, cathedrals, speakers and lots of tubes. A large collection was recently purchased. SASE for list. Jerry Finamore, Timeless Radios, 310 Ellwood St., Easton, PA 18042. (215) 253-3608

**WANTED:** Tennis ball shaped OIA's. Also scenic front-panel radios like Crosley RFL 75. State price, condition. Jahan L. Acciavatti, PO Box 231, Southborough, MA 01772

**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, HCR-3, Box 418, Deer River, MN 56636

**WANTED:** Parting large AK 20, missing big knobs, 2nd RF and Det grids capacitor/coil. Jim Alexander, 2304 W. Michigan Ave., Fresno, CA 93705

**FOR TRADE:** 1917 D.T.-3/BC-14, sim. to SCR-55 - for old Radar equip. Don Helgeson, POB 3087, Skokie, IL 60076

**WANTED:** Cincinnati, Ohio crystal sets 1 tubers or related advertising. Have some trades. Peter Palm, 4900 Madison Rd., Madisonville, OH 45227. (513) 561-4411

**FOR SALE:** Many N.O.S. flybacks, yokes. **WANTED:** Arcturus blue 10, 50, UX199, GA, AD, AC26, DeForest DV7, DL14, 15, good or dud. Thanks. R. Dobush, 3554 W. 105, Cleveland, OH 44111. (216) 228-4953

**WANTED:** Addison Catalin. Crosley Elf or Widget. Sparton Peach mirrored radio. Supreme test equipment. Doug Heimstead, 1349 Hillcrest Dr., Fridley, MN 55432



**WANTED:** Silvertone Radio as pictured above. Also parts/parts set. Will pay up to \$350 for set in top condition. Eric Brill, (203) 629-1756, 115 River Road, Cos Cob, CT 06807.

**WANTED:** E.H. Scott Sets: Any Worlds Record, Shield Grid 9, Symphony, 16/18, Masterpiece, Super XII, FM Tuner. All replies answered. Any leads appreciated. Kent King, 3637 Liberty Road, Delaware, OH 43015. (614) 363-3219.

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Drake SSR-1 general coverage solid-state receiver with manual in original carton - \$125 + UPS. Walter E. Joyce, 2118 East Q-5 Ave., Palmdale, CA 93550. (805) 947-3764

**WANTED:** AK 33 antenna adjustment knob. AK Model 12 breadboard. Marc Ingenthron, 9215W. 83rd St., Overland Park, KS 66204. (913) 642-4767

### CLASSIFIED AD DEADLINES

Jun. 10 for Jul. 1987 Issue

Jul. 10 for Aug. 1987 Issue

Aug. 10 for Sep. 1987 Issue

**WANTED:** Stewart-Warner R-123 four-tube chassis, or any complete set using this chassis. Steve Baron, 435 Park Ave., Lexington, KY 40502. (606) 269-2832

**FOR SALE:** Tubes: octal, loctal and 4 pin - \$5 ea. For complete list send SASE. Rodney Starcher, PO Box 3806, Akron, OH 44314

**WANTED:** Pre-1950 TV's. Related literature, magazines, service manuals, etc. State condition, price. Don Hauff, 9988 107th Ave. N., Maple Grove, MN 55369. (612) 425-0089

**WANTED:** Plate modulated AM HF transmitter or amplifier 250 watts and up. Bob Mattson, KC2LJK, 10 Janewood Rd., Highland, NY 12528. (914) 691-6247

**FOR SALE:** Jackson 633 T.T., 640 Sig. Gen., 650 con. tester, mtd. in panel. Radiodyne cabinet only - \$15. Radiola 17, cabinet only - \$10. Dayrad 20-C tube tester - \$15. Meissner signal shifter - \$20. Hammarlund SP-600 - \$60. RCA rec. pwr. amp. unit AP-952 - \$50. AK Type N speaker - \$20. Philco shelf speaker - \$18. All American Mohawk Mod. 70 chassis - \$20. N.O.S. tubes, mags, parts, homemade battery sets. **WANTED:** Silver-Marshall Around the World Four and/or Pilot Super-Wasp A/C or DC. **FOR TRADE:** Radiola II. Neutrowound w/all tube caps. Grebe MU-1. British crystal set Lintophone Junior w/BBC headphones. AK J-B speaker. Sigma horn speaker. Super Trirdyn. Trirdyn. Crosley 51-SD. Stewart-Warner Mod. 301 SW conv. Carl Bocock, 414 Brookside Terr., Moore, OK 73160. (405) 794-8033

**WANTED:** Grebe CR18 shortwave receiver. Collins 310 Exciter. Also Collins PTO in cabinet. Johnson Ranger I, II, Valiant, 500. Russ Olmsted, K4UJZ, 608 W. Thompson Ln., Murfreesboro, TN 37130. (615) 893-5344

**WANTED:** Chassis for Trav-Ler TV Model T-10. Everett Hollstadt, W0GUX, 3957 Minnehaha Ave., Minneapolis, MN 55406

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Galena crystals or cat whiskers – \$1 ea. ppd. Leonard W. Gardner, 458 Two Mile Creek Rd., Tonawanda, NY 14150. (716) 873-0447

**WANTED:** Hickok 539-B tube tester manual, original. RCA WA-44B audio generator manual, photocopy ok. Alan Kriss, 1872 Portsmouth Way, Union, NJ 07083. (201) 688-2092

**WANTED:** Western Electric transformer #102A. CW929 horn. General Radio #272 amplifier. Ralph Thorn, 61 Maple Pl., Huntington, NY 11743

**FOR SALE:** Crosley pup, nice – \$200 or best offer. Crosley 51 SD – \$65. Bob Lane, 4031 W. 97 Terrace, Overland Park, KS 66207. (913) 648-5296

**WANTED:** Tuning section for Grebe CR9 and panel for Kennedy 281. Will purchase or swap for parts I need or swap off the sets listed. Michael Payne, Rt. 5 Box 796, Alvin, TX 77511

**FOR SALE:** Colonial "New World," (F.O.S. p. 165), good condition, photo available – best offer. Jim Montgomery, 8360 Azita Ct., Garden Grove, CA 92644

**WANTED:** Philco 20B or 90B cathedral cabinet – will pay up to \$50 for a good one. Also need a chassis for a GM Mod. 211B (2 knob set) and a Crosley 169 cathedral cabinet. **FOR TRADE:** AK breadboard parts. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Sony ICF-2010 synthesized Air/FMLW/MW/SW receiver, only a few hours use, mint! , \$320 new – asking \$250 firm. Would consider trade for a mint Philco 90B. Gary Stejskal, 1412 26th St. NW, Cedar Rapids, IA 52405. (319) 396-0341 after 6:30 p.m. CST

**WANTED:** Restorable cabinet for Radiola 20. Dual filament controls for AK30 or junker sets. John Feuser, 41 Overlook Ave., Middletown, CT 06457. (203) 347-1447

**FOR SALE:** Metrodyne single dial console, early A/C 1927, excellent original finish on cabinet. Seven Kellogg 401 tubes, factory tags, in working condition – \$200. Atwater Kent Model 60 High Boy, (F.O.S., p. 63), beautiful and working condition – \$200. Prefer pick up. Bob Slička, 4359 Mt. Helix Highlands Dr., La Mesa, CA 92041. (619) 469-4911

**WANTED:** Bakelite and plastic radios with interesting shapes, 1930-1950's. Radio & TV advertising items, too. Peter Thomashow, 350 W. 20th St., Apt. 4F, New York, NY 10011

**WANTED:** "Illustrated World" Magazine, July 1922. T.C.B.A., Harry Goldman, RD3 Box 181 Amy Ln., Glens Falls, NY 12801

**FOR SALE:** DeForest Audion tube tipped with chrome base – \$35. Antique candlestick telephone with ringer – \$65. Detrola tombstone radio – \$35. Add UPS shipping. Clark Trissell, 3530 Pawnee, Lincoln, NE 68506

**YES! SEND ME ANTIQUE RADIO CLASSIFIED!**

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
 Address: \_\_\_\_\_ City: \_\_\_\_\_ State \_\_\_\_\_ ZIP: \_\_\_\_\_  
 Radio Amateur Call: \_\_\_\_\_ Phone: \_\_\_\_\_

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| <input type="checkbox"/> New Subscription<br><input type="checkbox"/> Renewal Subscription<br>Exp: _____<br>Sub#: _____<br><input type="checkbox"/> Sample Issue: Free | <b>1-Year</b>                                      | <b>2-Years</b>  |
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Please print neatly and pay in US funds. Make check payable to: A.R.C.  
 Send to A.R.C., P.O. Box 2, Carlisle, MA 01741  
 Early renewals get one extra issue/year. 2-year new subscriptions get 25 issues.  
*P.S. To avoid cutting this issue, use a blank sheet of paper or a photo-copy of this form*

*Your answers to any (or all) of the questions below and over will be appreciated.*

How did you hear about A.R.C.? \_\_\_\_\_  
 Member of any clubs? \_\_\_\_\_ Which ones? \_\_\_\_\_  
 How long have you been a collector? \_\_\_\_\_  
 About how many sets do you have? \_\_\_\_\_ Speakers? \_\_\_\_\_  
 What other antique radio publications do you receive? \_\_\_\_\_  
 Could you write an article for A.R.C.? \_\_\_\_\_ On what subjects? \_\_\_\_\_  
 Describe your specialties \_\_\_\_\_

## CLASSIFIED ADVERTISEMENTS

**WANTED:** Field coil for AK type F-4 speaker for AK model 55C radio. 3-spring contact plug that fits on base of RCA Radiola 28 loop antenna. Owner's manual for Radiola 24. A-battery voltmeter with pin jacks for use with Radiola 28 (UX199/120 tubes). **FOR SALE:** Rider Vol. 9 - \$10. AK 55 chassis with tubes, works - \$25. Majestic 90B chassis w/o tubes, 1 bad audio - \$10. S-C 601 w/o tubes, needs work - \$25. Radiola 28 chassis w/o tubes, 1 bad audio - \$20. Waterman S-14-A 3" pocketoscope w/manual - \$25. Heathkit 5" o-scope - \$15. EICO 425 5" o-scope w/manual - \$20. Hickok 533 tube tester w/manual and chart - \$25. Fisher 80-T AM/FM tuner - \$35. All plus shipping. K.G. Higgins, 9331 Southport Dr., Richmond, VA 23235. (804) 272-1825

**FOR SALE:** GE Mickey Mouse clock radio - \$50. Scott tube amp w/tuner - \$50. Clarion Farm radio, batt. - \$20. Freed-Eisemann #57 cabinet, bad - w/tubes \$50. **FOR TRADE:** Silvertone 1933 World's Fair radio, Deco, very good condition - for FADA #1000. **WANTED:** Cam for RCA #45-EY-3 record player, looks like egg-shaped Idler wheel. Also Philco #45 radio. J. Downes, 607 East 12th Ave., Covington, LA 70433. **New phone no.:** (504) 893-7057

**WANTED:** Majestic 3-tube portable Model 130. Oak case for Supreme Model 385 set tester. Chassis for American Beauty radio. Delmer Woodley, Rt. 3 Box 13, Milford, IA 51351

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Ohmite Dummy Antenna - \$15. Ford Model T Spark Coil - \$15. 1915 Hawkins Electrical Guide #9, has wireless section - \$10 plus shipping. F.W. Chapman, Apt. B 218, 1130 N. Lake Parker Ave., Lakeland, FL 33805

**WANTED:** Loop ant. for Sleeper Type 52 set, or will pay for a good close-up photo of same. H.R. Harder, Box 95, W. Brookfield, MA 01585

**FOR SALE:** Freshman Masterpiece Ser. #7900, complete with tubes, good working condition, clean - \$125. Shipping weight 30 lbs. George Moritz, 31 Hart St., Woburn, MA 01801

**WANTED:** Westinghouse Aeriola RS, 2-step amplifier, crystal set, RE, AR for RC. Radiola II. Clapp-Eastham Regen. Crosley 51 portable, 51 A amplifier. Charles W. Rhodes, Journey's End Rd., South Salem, NY 10590. (914) 533-2503

**FOR SALE:** Good 201A's, 301A's, 20 to sell - \$5 ea. **WANTED:** Early or unusual tubes. Bruce Harbeck, 13408 Westwood Ln., Omaha, NE 68144. (402) 333-9013

**WANTED:** Hallicrafters SX28A. Must be in good condition and working. Prefer with speaker. Will reply to all. Also looking for original Hallicrafters catalogs. Thanks!! Ed Turner, 3536 Arden Blvd., Youngstown, OH 44511. (216) 782-6757

## COLLECTING INTERESTS

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Radios, battery, '20's | <input type="checkbox"/> Radios, other            | <input type="checkbox"/> Cylinder phonos   |
| <input type="checkbox"/> Radios, pre-1920       | <input type="checkbox"/> Television, CRT          | <input type="checkbox"/> Disc phonos       |
| <input type="checkbox"/> Radios, batt. Superhet | <input type="checkbox"/> TV, spinning disk        | <input type="checkbox"/> Electric phonos   |
| <input type="checkbox"/> Radios, crystal sets   | <input type="checkbox"/> TV, projection           | <input type="checkbox"/> Broadcast equip.  |
| <input type="checkbox"/> Radios, cathedral AC   | <input type="checkbox"/> Speakers, horn type      | <input type="checkbox"/> Test equipment    |
| <input type="checkbox"/> Radios, table AC       | <input type="checkbox"/> Speakers, cone type      | <input type="checkbox"/> Meters, panel     |
| <input type="checkbox"/> Radios, console AC     | <input type="checkbox"/> Speakers, misc type      | <input type="checkbox"/> Hi-Fi equipment   |
| <input type="checkbox"/> Radios, bakelite       | <input type="checkbox"/> Vacuum tubes             | <input type="checkbox"/> Telephones (old)  |
| <input type="checkbox"/> Radios, celluloid      | <input type="checkbox"/> Transmitters, tube       | <input type="checkbox"/> Telegraph items   |
| <input type="checkbox"/> Radios, plastic        | <input type="checkbox"/> Transmitters, spark      | <input type="checkbox"/> Microphones       |
| <input type="checkbox"/> Radios, amateur        | <input type="checkbox"/> Components               | <input type="checkbox"/> Jukeboxes         |
| <input type="checkbox"/> Radios, classic        | <input type="checkbox"/> Magazines, radio         | <input type="checkbox"/> Light bulbs       |
| <input type="checkbox"/> Radios, transistor     | <input type="checkbox"/> Books, radio             | <input type="checkbox"/> Electric gadgets  |
| <input type="checkbox"/> Radios, automobile     | <input type="checkbox"/> Catalogs, radio          | <input type="checkbox"/> Medical equipment |
| <input type="checkbox"/> Radios, shortwave      | <input type="checkbox"/> Literature, misc.        | <input type="checkbox"/> Other: _____      |
| <input type="checkbox"/> Radios, novelty        | <input type="checkbox"/> Advertising items        | _____                                      |
| <input type="checkbox"/> Radios, character type | <input type="checkbox"/> Novelties, radio related | _____                                      |

What do you like best about A.R.C.? \_\_\_\_\_

What do you like least about A.R.C.? \_\_\_\_\_

What type of articles would you like to see? \_\_\_\_\_

Comments: \_\_\_\_\_

## CLASSIFIED ADVERTISEMENTS

**WANTED:** Need tube cans for RCA 121 cathedral, must be original style, in good condition. Also, need a good clean front panel for an AK 20. Richard Arnold, PO Box 275, Lone Grove, OK 73443

**FOR SALE:** WW2 "Communicators" lapel insignia, porcelainized, beautiful - \$5, \$9 a pair. Radio, telegraph, toy signal set - \$10. Radio, TV, appliances, pocket "Jifty-Tester" - \$6. Lafayette Explor-air, doesn't work - \$4. Three Par-dee records, 78's boxed, new-old - \$3.50. Postage extra. SASE. Otto W. Nill, 192 Grant Ave., Islip, NY 11751

### CLASSIFIED AD DEADLINES

Jun. 10 for Jul. 1987 Issue

Jul. 10 for Aug. 1987 Issue

Aug. 10 for Sep. 1987 Issue

**WANTED:** Complete coils or coil forms for Hammarlund Comet Pro receiver. Ed Cambra, 3225 Pipers Glen Dr., Lafayette, IN 47905

**FOR SALE:** Steinite Labs crystal set, good, works - \$125. Fisher 70RT tuner/preamp, mint - \$75. Zenith Royal 1000D Transoceanic, excellent, working - \$65. Craig Smith, 1935 1st Ave. S., St. Petersburg, FL 33712. (813) 822-7592 days

**WANTED:** AK 328 table model, 246, 708 and others. Bob Nicholson, 3423 Long, Topeka, KS 66605. (913) 266-9473

**FOR SALE:** Feeling down and out? Building mechanical TV will perk you up. Send SASE. Peter Yanczer, 835 Bricken, St. Louis, MO 63122

**WANTED:** Grandfather clock and character radios. Character clocks and related advertising. Cliff Watts, 51 Glendale Rd., Brantford, Ontario, Canada N3T 1P5

**FOR SALE:** 7 New 100TH - \$20 ea. 6 New 250TH - \$30 ea. 4 Used 204A - \$25 ea. J. Wasiewicz, 229 Sarles Ln., Pleasantville, NY 10570

**WANTED:** Kennedy V cabinet. 1930 Radio Retailing magazines. Unusual horn speakers. Floyd A. Paul, 1545 Raymond Ave., Glendale, CA 91201. (818) 242-8961

**FOR SALE:** Dumount oscillograph #241 - \$45. Powerstat #116 isol. transformer - \$35.

**WANTED:** Escutcheon for Scott Allwave 2 dial. Speaker, escutcheons, knobs, bottom chassis cover for Scott Phantom AM-FM deluxe. Driver for Magnavox M-3 horn. Driver for AK type M horn. Ed Gardner, 103 Lordship Rd., Stratford, CT 06497. (203) 375-6437, 5 pm-9 pm, EST please

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** TV book, "A Photographic History of TV," over 1200 photographs of early sets, inventors and actors - \$8 ppd. Gene Johnson, PO Box 3, Ovid, ID 83260. (208) 847-1059

**WANTED:** Early tubes - WD-11, 199, 201 and other pear-shaped (balloon or globe) tubes. Will buy any that test good. George H. Fathauer, Antique Electronic Supply, 688 W. First St., Tempe, AZ 85281. (602) 894-9503

**FOR SALE:** Used radio, electronics, physics, mechanics and other technical books, magazines and manuals. 39¢ stamp. Joseph Holstein, Softwave, 1515 Sashabaw, Ortonville, MI 48462

**WANTED:** Xerox of any info. on Federal 102, ads for Guild Country Belle and Town Crier. Need large Felix the cat composition doll and a battery box and large knobs for early Ozarka set, junker OK. Someone out there has got to have the bell for a black Burns horn that is beyond repair and could be used to repair horns that only have a small piece broken out. Let's hear from you! Robert Lozier, 600 E. Green St., Monroe, NC 28110. (704) 283-2638

**FOR SALE:** Treasures like American made 600v, 405v, 150v capacitors and other components, supplies to restore radios of 1930-1950. Schematics only \$2 with order. Trash like stuff that need work and TLC. No battery sets or cathedrals for sale. Write for free list. Sue Coulter, Box 11-A, 1000 West Columbus, Bakersfield, CA 93301

**ATTENTION!**  
**WILL ALWAYS MEET ALL USA**  
**AND FOREIGN PRICES**  
**!FAST CASH FOR FAST CONTACT!**

## — WANTED —

**Western Electric, Westrex,  
Langevin, MacIntosh, Marantz  
Tube-Type & S.S. Equipment**

**"Over 15-Year Old" Speaker  
Systems, Woofers, Drivers, Horns,  
Crossovers, Parts from W.E.,  
RCA, Jensen, Altec, JBL, Tannoy,  
Trusonic, University, etc.**

**Victrola Credenza 8-30 Model**

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

**CLASSIFIED ADVERTISEMENTS**

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

**WANTED:** Microphones used in early broadcasting: Electro-Voice, Shure Universal, Amperite. James Steele, 160 West 77th, New York, NY 10024

**FOR SALE:** Tubes. Send SASE for latest up-to-date list. Tracy Sands, 1520 W. Juno Ave. #C, Anaheim, CA 92802

**WANTED:** Gisler tubes, any shape or color. Light bulbs with carbon filaments. Rob M. Simon, 1 S. 130 Radford Ln., Villa Park, IL 60181

**WANTED:** Unusual types of telegraph gear from before 1900, US or foreign makers alike. Gil Schlehman, 335 Indianapolis Ave., Downers Grove, IL 60515

**FOR SALE:** An R-390. Paul, 35 East Pond Rd., Narragansett, RI 02882

**WANTED:** Experiment booklets from pre-1930's National Radio Institute correspondence courses. Robert Stapleford, 1800 Randolph, Topeka, KS 66604

**WANTED:** SCR-511/BC-745, commonly called Calvary unit or Pogo Stick, Military Radio. Will pay top dollar and finder's fee. Bill Stokesbury, Rt# 3 Box 200B, Selbyville, DE 19975

**CLASSIFIED ADVERTISEMENTS**

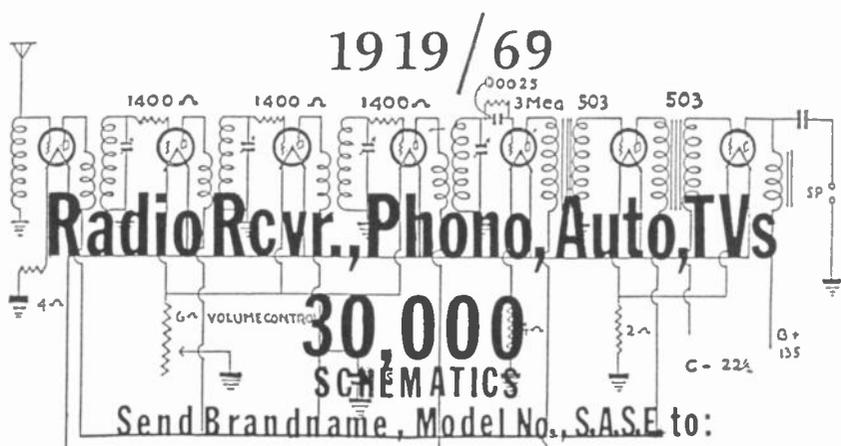
**FOR SALE:** Trav-Ler 7" TV, excellent - \$250. Philco Safari TV - \$90. Scott Philharmonic radio. **WANTED:** Majestic ship radio. Belmont TV, Model 22A21, 22AX21 or 22AX22, need not be working, need for parts. AM band oscillator coil and service data for National NC 77X. Service data/schematic for Grundig Model 970 EES. Charles Harper, 2081 Harmony Ct., Lexington, KY 40502. (606) 268-8549

**WANTED:** Amertran open core transformers types AF-6 and AF-7. \$15 reward for every one with good windings. Harvey E. Faulkner, 89-5C Pike Creek Rd., Newark, DE 19711. (302) 368-7497

**FOR SALE:** Grebe CR8, all original, works - \$350 or best offer. Some battery radio parts. Amertran transformers, new in box Vernier dials. Some old coils, etc. Cone speaker driver, new in box Transmitting tubes. TV, radio tubes - cheap. Mostly octals, miniatures. Tons of 6AU6, etc. Anyone in NY area, call and look at battery radio parts, help identify, buy. Vaughn Rudisill, 85 Willis Ln., Muttontown, NY 11791

**WANTED:** ARC-5 military surplus equipment. Hallicrafters S-38D. Dan Greeson, KH6P, 9277 Morningside Dr. NW, Silverdale, WA 98383. (206) 692-9406

**FOR SALE:** Radiola III, no tubes, nice shape - \$75, shipping extra. Also Philco 70, refinished - \$200. M Sabodish, 11-A Matawan Ave., Cliffwood, NJ 07721. (201) 566-1486



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## MARYLAND - June 10-13

ANTIQUÉ RADIO CLUB OF AMERICA  
15TH ANNUAL CONVENTION

Host: MID-ATLANTIC  
ANTIQUÉ RADIO CLUB

New Carrollton, MD - Sheraton Hotel  
Rt. 450 - off Exit 20B of I-495  
(301) 459-6700

Flea Market: Every Day

- Jun. 10: 1-6 p.m. - Pre-Registration  
 Jun. 11: 8 a.m. - Equipment Contest  
 9 a.m. - Program  
 11 a.m. - Smithsonian Tour  
 Jun. 12: 8 a.m. - Equipment Contest  
 9 - 11:30 a.m. Programs  
 2 p.m. - Antique Radio Classified  
 "Meet the Writers"  
 3:30 p.m. - Program  
 7 p.m. - Banquet & Awards  
 Jun. 13: 7 a.m. - Auction Check-in  
 8:30 a.m. - Auction  
 2:30 p.m. - Member's Meeting

Information: ARCA, Jane & Bill Denk  
81 Steeplechase Rd., Devon, PA 19333  
or Lloyd McIntyre, 4204 Thorn Apple Lane  
Charleston, WV 25313 - (304) 722-8082

## RHODE ISLAND - July 25

A.W.A. NEW ENGLAND MEET  
RADIO & STEAM-UP MEET

East Greenwich, RI  
N.E. Wireless & Steam Museum  
Frenchtown & Tillinghast Rds.

9:00 a.m. (No Earlier) - Flea market  
1:30 p.m. - Radio Program & Contest

Wireless Museum - Steam Museum  
Wireless Station Exhibit  
*Live Steam - Bring Your Steam Engine*

Information: Lauren Peckham,  
Ormiston Rd., Breesport, NY 14816  
or Robert W Merriam, Tillinghast Rd.  
E. Greenwich, RI 02818 - (410) 884-1710

## INDIANA - June 27

INDIANA HISTORICAL RADIO SOCIETY  
SUMMER MEET

Logansport - Spencer Park (Off High St.)  
9:00 a.m. - Flea Market & Contest

Information: Eric vonGrimmerstein  
9318 Seascape Dr., Indianapolis, IN 46250  
(317) 849-0563

## ILLINOIS - May 31

ANTIQUÉ RADIO CLUB OF ILLINOIS  
SWAP MEET

Elgin, IL - Holiday Inn (West Parking Lot)  
345 River Road - 8:00 a.m. to Noon

Information: Jeff Aulick, 803 N. Chicago Ave.  
Rockford, IL 61107 - (815) 399-1902

## PENNSYLVANIA - June 20

PITTSBURG ANTIQUÉ RADIO SOCIETY

Film - Crystal Set Contest - Flea Market

Information: PARS, 506 E. Wheeling St.  
Washington, PA 15301 - (412) 222-6678

## ILLINOIS - Aug. 14 - 15

ANTIQUÉ RADIO CLUB OF ILLINOIS  
& A.W.A. - RADIOFEST '87

Elgin, IL - Holiday Inn  
345 River Road - (312) 695-5000

Flea Market  
"German Radios 1930-1960" Display  
Both Days

- Aug. 14: 6 a.m. - Registration Begins  
 10 a.m. - Tour Muchow Museum  
 11:30 a.m. - Contest  
 1 & 5 p.m. - Programs  
 7 p.m. - Reception

- Aug. 15: 9 a.m. & 1 p.m. - Programs  
 6 p.m. - Banquet

Information: Joe Willis  
PO Box 14732, Chicago, IL 60614  
or Jeff Aulick, 803 N. Chicago Ave.  
Rockford, IL 61107 - (815) 399-1902

## CLASSIFIED ADVERTISEMENTS

WANTED: Majestic #20, 21, 22, or 23 chassis  
or complete - will purchase or swap. Michael  
Payne, Rt. 5 Box 796, Alvin, TX 77511

WANTED: Information or schematic on a bat-  
tery eliminator named All Canadian, A and B  
voltage. Manufactured by Durable Electric  
Appliance Co., Toronto, Canada. Jim Stoker,  
14 Roberts St., Adams, NY 13605

FOR SALE/TRADE: Scott Allwave 12 with  
Tasman cabinet - \$245. Grunow Model 501,  
chrome front - \$85. WANTED: Midwest or  
chrome front sets. Scott Hagerman, 392 Ann  
St., Cary, IL 60013. (312) 639-7745



## NEW YORK - SEPT. 23 - 26

**ANTIQUE WIRELESS ASSOCIATION  
NATIONAL CONFERENCE**

**Large Antique Radio Meet in U.S.**

Canandaigua - Sheraton Inn

Information: Lauren Peckham,  
Ormiston Rd., Breesport, NY 14816

## MICHIGAN - July 18-19

**MICHIGAN ANTIQUE RADIO CLUB  
EXTRAVAGANZA**

Lansing - Dillon Inn

8:00 a.m. (each day) - Swap Meet  
Displays, Programs, Contest, Auction

Information: Jim Clark (517) 323-9595

## RADIO CLUB LISTINGS

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

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

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

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

**Arizona Antique Radio Club (AARC).** Treasurer, 2224 West De Sert Cove Rd. #205, Phoenix, AZ 85029. Pub: Quarterly Newsletter. Swap meets and annual meeting.

**Canada - S.W. Ontario.** New club forming. For information, contact: Glen S. Lee, RR #2 Mt. Brydges, Ontario, Canada NOL 1W0. (519) 264-9115.

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

**Greater Boston Area Antique Radio Club.** Dave Crocker, 6 Old Farm Road, Duxbury, MA 02332. New club forming. One Winter and one Spring meet each year.

**Greater New York Vintage Wireless Association (GNYVWA).** Bob Scheps, 12 Garrity Ave., Ronkonkoma, NY 11779. Pub: Meeting Notices. Dues: \$4. Six meets/year.

**Houston Vintage Radio Association.** Ron Taylor, 12407 Mullins, Houston, TX 77035. Pub: *Houston Vintage Radio News*, monthly. Dues: \$6.00 (\$15.00, local). Regional meets.

**Indiana Historical Radio Society (IHRS).** Marilyn B. Johnston, R. 1, Box 218-A, Windfall, IN 46076. Pub: *IHRS Bulletin*,

## Radio Club Listings Continued:

quarterly. Dues: \$8.00. Quarterly swap meets in various areas of state.

**Michigan Antique Radio Club (MARC).** Jim Clark, President, 1006 Pendleton Dr., Lansing, MI 48917. Pub: *MARC Newsletter*, quarterly. Dues: \$10. Quarterly regional swap meets.

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

**Mid-Atlantic Antique Radio Club (MAARC).** Joe Koester, 249 Spring Gap South, Laurel, MD 20707. Pub: Newsletter, monthly. Monthly meets. Hosting National ARCA meet in June, 1987.

**Niagara Frontier Wireless Association (NFWA).** Dick Schamberger, P.O. Box 68, Central Park Station, Buffalo, NY 14215. Pub: *NFWA Chronicle*, quarterly. Dues: \$6.00. Regional meets.

**Northland Antique Radio Club (NARC).** P.O. Box 18362, Minneapolis, MN 55418. Pub: *NARC Newsletter*, six/year. Dues: \$10. About six meets/year.

**Pittsburgh Antique Radio Society, Inc. (PARS).** David W. Kraeuter, Secretary, 506 E. Wheeling St., Washington, PA 15301. Pub: *The Pittsburgh Oscillator*, quarterly. Dues: \$10. Quarterly meetings.

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

**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.

**Vintage Radio & Phonograph Society (VRPS).** Larry Lania, P.O. Box 165345, Irving, TX 75016. Pub: *The Reproducer*, quarterly. Dues: \$13.50. Monthly meetings, Spring Auction, Annual Convention.

*Please mention Antique Radio Classified when writing clubs.*

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*Older & Newer*

*Send Self-Addressed Envelope & \$1.00  
for complete list*

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ONTARIO CANADA**

**K2G 3H8**

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Music Boxes, Early TV's and Radios  
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Tubes - Parts - Prints

**Max. Labor Charge \$26.00**

**Chuck, P.O. Box 598  
New Haven, W. Va. 25265**

## Victorian Talking Machine Company

Located in Country Heritage Antique Center  
Rte 302 Just Off Main Street Pine Bush, NY 12566  
(914) 744-3792



NEEDLES - 100¢ \$3.00

Antique Phonographs For Appt. 561-0152  
Cylinders, Discs, We Shop Hours  
Buy, Sell & Restore Sat & Sun 11-5:00

— WANTED —

## Old Transmitting Tubes

Amateur or Commercial types  
FOR MUSEUM

Ye Olde Transmitting Tube Museum  
Post Office Box 97  
Crescent City, California 95531



**WANTED**

**RADIO — WIRELESS  
Pro-1925  
ELECTRICITY — TELEGRAPHY  
Pro-1900**

Books, Magazines, Autographs, Catalogs, Ephemera  
One Item or Entire Collection

**New Wireless Pioneers**  
6270 Clifton, Elma, NY 14859 USA  
(716) 681-3186

## Antique Radios

David & Nancy Snow

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Jackson, MI 49201

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Wish to contact us by phone?  
Our number is: (301) 585-8776  
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Bus. (415) 282-1155

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Tech. in Electronic

**SCHEMATICS 1920-1960  
RADIO/TV/HAM/MISC.**

**FULL DESCRIPTION OF SET IN  
FIRST LETTER PLEASE - \$3.50 EA.**

**ALTON H. BOWMAN  
RD2 (CHAPIN VLG.)  
CANANDAIGUA, NY 14424**

**30s MEMORIES 40s**



ED SAGE - COLLECTOR  
707-746-5659 1781 MELANE CT. BENICIA, CA. 94510



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RADIO CAT  
SEZ:



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August 14th and 15th  
The Holiday Inn Holidome and Convention Center  
345 River Road • Elgin, Illinois 60120



Featuring:  
2 day Flea Market  
Tour of Ralph Muchow's Historic Radio Museum  
Special Display of German Radios  
Presentation on Heinrich Hertz and others  
Contest and much, much more!

**CATEGORIES**

- |                                   |   |
|-----------------------------------|---|
| (I) Crystal Sets                  | (VIII) Televisions                              |
| (II) One and Two Tube Receivers   | (IX) Transistors (pre-1962)                     |
| (III) Three Tube Receivers        | (X) Pre-WW II Amateur<br>Transmitting Equipment |
| (IV) Four and Five Tube Receivers | (XI) Six or more Tube Receivers                 |
| (V) Cathedral                     | (XII) Speakers                                  |
| (VI) Consoles                     | (XIII) Advertising                              |
| (VII) Art Deco                    | (XIV) Pre WW II Portables                       |

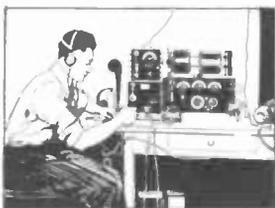
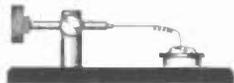
For more information write  
Joe Willis  
P.O. Box 14732, Chicago, IL 60614  
*Come join us on the Fifth Anniversary of Radiofest*



# DISPLAY ADVERTISEMENTS



## WANTED



Radio and Wireless items - pre-1925:  
Books, Magazines, Catalogs, Receivers,  
Transmitters, Speakers, Crystal sets,  
Detectors, Tubes, and Spark Gear.

Will buy entire collections! Qualified appraisals anytime, anywhere.  
(References provided)

*New Wireless Pioneers*



*Jim Kreuzer, N2GHD, 6270 Clinton St., Elma, NY 14059 (716-681-3186)*

## rainy day books



44 Bertwell Road  
Lexington, MA 02173  
(617) 861-8656

frank bequaert  
lucia bequaert

### Technical Books Catalogs and Magazines Bought and Sold

Radio - Wireless - Telephone  
Television - Broadcasting  
Electricity - Electronics  
Radar - Electric Power

Popular Science, Popular Mechanics  
1912 to 1977 - Many Radio Ads & Articles!

Send SASE with specific interests  
for list of items for sale.



**WAVES**  
ANTIQUES  
EARLY RADIOS  
&  
PHONOGRAPHS  
78 RECORDS  
BOUGHT • SOLO  
OPEN 12 - 6  
CLOSED SUN & MON

32 EAST 13TH ST. NEW YORK, N.Y. 10003 212 989 9284  
PROPRIETORS Bruce and Charlotte Mager

### THIS MONTH'S SPECIALS:

- 1. W.E. 7A Amp., No Tubes .....\$150
- 2. AK20 Large Style, No Tubes .....75
- 3. Grebe Synchrophase Chassis &  
Frame, Console Version,  
No Tubes.....65
- 4. Vimco Radio Lamp (in box).....65
- 5. Smokerette Radio, Working.....225
- 6. Westinghouse Model RC Radio .....175
- 7. Amplion Horn Speaker, Exc. ....195

..SEE NEXT MONTH'S LIST FOR MORE..





# W A N T E D

## ELECTRON TUBES – ST SHAPE

50, ST16, same size as 2A3.....\$16    50, ST19, large size.....\$20

## ELECTRON TUBES – ANTIQUE GLOBE SHAPE

37/237.....\$5	42/242.....\$7	45/245/345/445.....\$12
50/250/350/450.....\$30	56/256.....\$5	80/280/380/480.....\$9
585.....\$25	843.....\$7	10/210/310/410.....\$11
UV201, with top tip.....\$12	UV202, with top tip.....\$20	UX 216/216B.....\$7

## TRANSMITTING TUBES

211/VT4C.....\$12    845/VT43.....\$22

## WESTERN ELECTRIC TUBES

VT1.....\$16	VT2/205 B.....\$30
101D/F/L.....\$6	102D/F.....\$6
104D.....\$8	101/102/104, tennis ball shape.....\$16
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
	216A.....\$15
	244A.....\$6
	262A.....\$12
	274A/B.....\$30
	284D.....\$60
	301A.....\$10
	345A.....\$8
	349A.....\$6
	VT52.....\$10

*NOTE: All above prices are for "New, in Original Box" tubes.  
As for "Used" tubes, write for details.*

## WESTERN ELECTRIC EQUIPMENT – FOR THEATER & STUDIO

Drivers & Horns.....555(W), 594(A), 597A/B, 22A, 24A, 25A etc.  
 Speakers.....TA4151, 4153, 4181, 4191, etc.  
 Transformers.....171, 197, 618, etc. (List available)  
 Cartridges & Arms.....1A, 3A, 4A, 7A, 9A, 10A, etc.

*NOTE: We eagerly look for the above W.E. Theater & Studio equipment.  
We pay much more than any dealers in the U.S.A. Please inform us of their prices  
or your expected prices. We will never disappoint you.*

## ALSO BUYING

G.E. Variable Reluctance Cartridges: RPX 040/041/050, VR2, etc. ....\$20  
 Needles for above G.E. Cartridges: for 33/45 RPM. \$2 for 78 RPM.....\$4  
 Tone Arms: FA 21A (G.E.), 108B/206/208(Gray) & for above cartridge. \$25  
 Tube Sockets: UX 4-pin & UY 5-pin, Ceramic/Micanol with mount base type.  
 Amphenol, James Millen & etc. We need large quantities.  
 Please quote them and ask for details.

# TRIAL ELECTRIC PRODUCTS, INC.

409 Yotsuya Sun Heights, 6-1 Yotsuya 4 Chome, Shinjuku, Tokyo 160 Japan

# ANTIQUE RADIO CLASSIFIED

## CLASSIFIED ADVERTISING POLICY

**FREE 20-WORD AD** for subscribers in each issue; additional words are 10c each. See details below. All classified ads must be received (not just postmarked!) by the ad deadline. Late ads are held for the following issue. Please enclose correct payment with all ads. Stamps or cash are OK for small amounts. (Canadian and other foreign advertisers, please see masthead for payment methods.)

Please write each ad on a separate sheet of paper, especially when included with other A.R.C. correspondence. A 3 x 5 card is suggested if the ad is short. Ads may be sent in advance; again, write each ad on a separate piece of paper and indicate the month you want the ad to run.

Please write legibly. Some numbers and letters can look alike, for example 1, l and I (the number one, the capital i and the small L.) Write the following characters clearly:

1, l and I 0, O, o, Q and D r and n 6, b and G V, U, u, v and Y A and R 5, S and s 2, Z and z

We try to correct spelling errors, so when using an uncommon word or manufacturer which looks similar to a common word or manufacturer, note it so that we do not "correct" it. Editor's comments are in [brackets].

Advertisers, please describe fairly all items and identify reproductions, reprints and not-original items. Please respond promptly to inquiries and orders, and resolve problems promptly if the buyer is not satisfied.

Publisher reserves the right to edit ads without notification to the advertiser and to reject any ads. Publisher is not responsible for errors due to illegibly written ads or for any other reason; if requested, the ad will be run in the next available issue at no charge for errors due to A.R.C. All ad rates and details are subject to change by the publisher.

### CLASSIFIED AD DETAILS

Classified ads must have a standard heading such as **WANTED, FOR SALE, FOR TRADE, FOR SALE/TRADE, SERVICES, HELP**, etc. This heading is the only bold or all-capitalized words allowed in the ad. Capitalize only manufacturer names, model names, etc. Wanted and For Sale ads are mixed together to encourage the reading of all ads, including the Wanted ads. This standard ad format makes scanning the ads easier for readers who are searching only one category.

Before writing your ad, please look over the ads in a recent issue of A.R.C. and try to write your ad in the same style.

To encourage varied content of the ads, multiple insertions of the same classified ad are limited to two successive months. (To run an ad continuously, use a boxed-classified or display ad.)

### CLASSIFIED AD COSTS

Subscribers:

First 20 words: **FREE. Write SUB# on ad.**  
10c per word for extra words over 20 **plus**  
10c per word for a shaded ad (count all words including free words.)

Non-Subscribers:

20c per word **plus**  
10c per word for shaded ad.

Please do not forget to send in the extra 10c per word when your classified ad runs over the free 20 words; your payment will be appreciated and it will help to keep A.R.C. healthy.

### COUNTING WORDS

The standard headings: **WANTED, FOR SALE, etc.**, count as **one word** each time used in an ad.

Name, address and telephone number, count as **6 words**, regardless of length. Ham call letters and business name can be included in the 6 words and do not count extra. (Note: "Jim, (111) 111-1111" also counts as 6 words.) So, please include complete name & address in your ads.

After the above "seven" words, **13 words** are left for the rest of the text of a free 20-word ad.

### BOXED CLASSIFIED AD DETAILS

Boxed classified ads run unchanged for three months or more. No words are free. Ads may be shaded and may include bold and all-capitalized words freely. The ad need not begin with For Sale, etc. Boxed classified ads are placed with the display ads on the lower portion of the page.

### BOXED CLASSIFIED AD COSTS

Minimum run is 3 months, prepaid.

Non-shaded ads:

10c per word for all words\*, none free, **plus**  
10c per word for each bold word **plus**  
10c per word for each all-caps word.

Shaded Ads:

20c per word for all words\* **plus**  
10c per word for each all-caps word.

Note: All words in shaded ads are bold.

Non-Subscribers:

Add 10c per word to above costs.

\* Three of the total words can be bold-all-caps at no extra charge.

### PHOTO & DRAWING DETAILS

The deadline for ads with drawings or photos is the first of the month.

Although the column on the magazine page you are holding is 2 1/4" wide, the artwork given to the printer has columns 3 9/16" wide. The printing process reduces everything to 63% of the original.

Drawings should fit within the 3 9/16" column. If a drawing is too large or too small, it must be re-sized photographically for an extra charge. Photos may be of any size since all must be converted to a half-tone for printing; in the process, the photo size can be changed.

### PHOTO AND DRAWING COSTS

One-time charge of \$5.00 (no charge for drawing if size is OK) **plus**  
\$1.00 per 1/2 inch (on artwork) per month.

*Drawings also may be requested to be run free and will be printed at the option of A.R.C. and as space permits.*



SECOND CLASS  
POSTAGE PAID  
at Carlisle, MA

A.R.C., P.O. Box 2, CARLISLE, MA 01741  
RETURN POSTAGE GUARANTEED

**TO:**

SUB# = 28-722  
CLARENCE E FILLEY  
1109 SOUTH 2ND ST  
HAMILTON  
MT 59840  
EXP=SEPR88

POSTMASTER: Deliver Promptly

**CLASSIFIED AD  
DEADLINE JUN. 10TH**