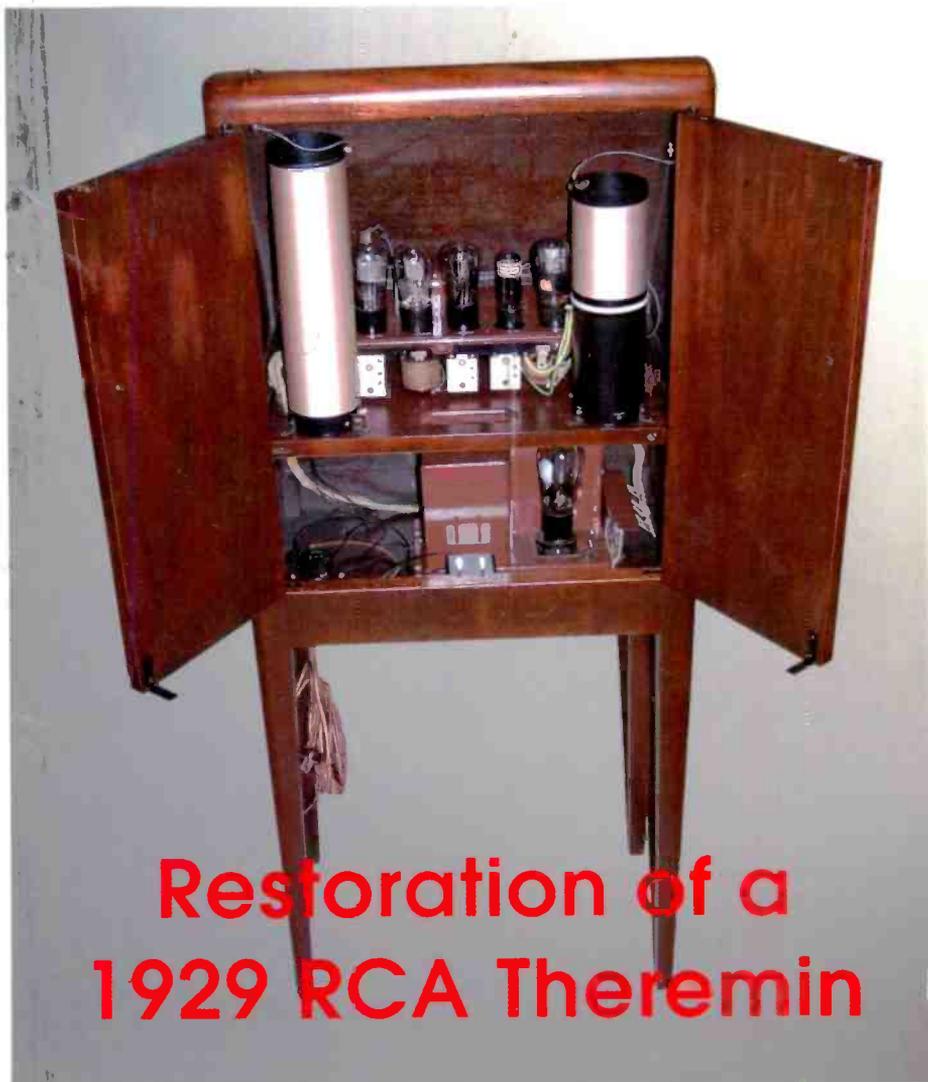




VOLUME 23

AUGUST 2006

NUMBER 8



## Restoration of a 1929 RCA Theremin

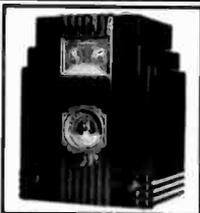
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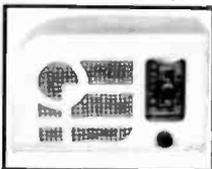
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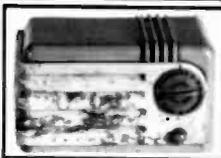
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# ANTIQUE RADIO CLASSIFIED

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## ANTIQUE RADIO CLASSIFIED

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## EDITOR'S COMMENTS

Perseverance is a common thread running through the radio-collecting community when it comes to the preservation of all things radio. Though it's unlikely that many of you will ever restore a vintage Theremin, Mark McKowen's meticulous restoration of this 1929 musical instrument has to excite admiration, even inspiration. In addition, his determined effort to restore not only the electronics but also the cabinet is carefully recorded in photographs.

Since the Theremin components are similar to those of an AC radio, it is easy to see how Mark's methods could be of use to those of you who restore old radios as a way of life. The extent of his work may also inspire others among you to take on similar projects. If so, please share them with us, making sure you have your camera at hand with each step, as Mark did.

Another common thread among radio collectors is the pleasure we've all enjoyed at one time or another of unearthing little mysteries and unknowns about manufacturers and their products. We may find ourselves on a long and devious trail of discovery about a seemingly straightforward, fairly ordinary set.

A case in point is Don Watson's Knight D-106 superhet, which he found had been advertised for sale in a 1942 Allied Radio Catalog. However, this little piece of research led Don to questions regarding components in the radio that suggest an origin earlier than 1942. He puts his questions out to you readers and any exchange of information is where we hope A.R.C. becomes most valuable to you all.

In considering monetary value, Don's Allied Radio Catalog may itself be more valuable these days than his Allied brand set. Many of us "young" guys, whose interest in radio blossomed in the 1940s-1960s era, remember well looking forward to receiving the new Allied Catalog every year. In fact, there are probably more collectors of the catalogs than the Allied brand sets. I must confess to having a shelf full of Allied Radio catalogs myself in my collection.

Richard Arnold seems to have a penchant for finding sets with a little mystery, an unusual look,

or historic angle to them. This time it's an Emerson Model 541, which he picked up in his favorite antique shop and allowed to sit untouched on a shelf for a while; that is, until an ad on eBay for the same set caught his eye. His interest was piqued by information in the ad about the radio's well-known designer, Raymond Lowey. That was enough to set Richard on a course of giving his Emerson 240 new status in his collection. And so it goes — you never know where a set you pick up is going to take you.

And who would think that an old FM converter once used for car radios would be useful to your vintage sets? Well, Al Smith did, and he presents an easy way for you to expand the programming possibilities of those sets with an FM converter. Looking ahead, this may be one answer to having a radio signal for your antique radio if digital radio takes over the radio band.

Ray Chase found his lost notes and reports on a July '05 Estes auction, noteworthy for high temperatures, if not for high prices. Though proceeds were moderate, hundreds of items were offered. Big ticket items were not prevalent, but an unusual Atwater Ken: 5A drew much attention and sold for \$2,300. We've highlighted this set in a series of photos on page 21.

Also included were some European sets, such as Grundig and Saba, not often seen at sales. Collectors of these types have a chance to get a price point for them with this report. In fact, the variety of the offerings made this auction worth attending, despite the oppressive heat.

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**Coming Radio Events.** Forty summer events crowd one upon another this month: 24 meetings, 5 auctions, and 11 meets, including two major ones — Radiofest XXV and AWA's 45th Annual Conference. We look forward to seeing you at AWA. Please stop by our table to say "Hi!"  
Happy Collecting!

John V. Terrey, Editor

## OOPS!

We apologize to many of our readers whose July issue of *Antique Radio Classified* was delayed by the post office. Usually only about 10 or 12 of the more than 4,000 copies we send each month are delayed. Unfortunately, periodical mail sometimes does get delayed, but this month for A.R.C., the number was over 40. Most frustrating is the fact that the post office has no explanation.

## ON THE COVER

Our cover photo by Mark McKeown is a rear view of his restored RCA Theremin, an electronic musical instrument played by waving the hands at volume and pitch antennas. The photo shows the main chassis flanked by the pitch coil on the left and the volume coil on the right. The power supply chassis is on the lower shelf.

# RESTORATION TOPICS

## Restoring an RCA Theremin

BY MARK MCKEOWN

*Although not a radio, the Theremin was manufactured by RCA in 1929. It was included in the well-known RCA "Red Books" and was sold by RCA radio dealers. Open the rear doors, and you will see what looks much like a radio chassis, with tubes, transformers, capacitors, etc. However, a couple of unusual items — tall coils and antennas on the cabinet — give away the real nature of the Theremin. It is, in fact, a musical instrument.*

*An October 1990 A.R.C. article by Mark Kitner describes the Theremin generally, but Mark McKeown describes the extensive restoration of a Theremin in this article. Many of the details will be unfamiliar to those who have never seen a Theremin, but all will appreciate Mark's careful work in restoring a radio-like musical instrument. A number of tips will also be useful in radio restoration. (Editor)*

The history of the invention of the Theremin by Leon Theremin is well known so I won't go into it again. Suffice it to say, his invention opened up a new world of electronic musical instruments from the Theremin to the Ondes Martenot to the modern synthesizers we see today.

My inspiration probably came from the movie *Forbidden Planet*, which has some great Theremin-like sounds. My first Theremin, built in the mid-1970s, was a Robert Moog design, published in *Radio and Television News* in 1954. Parts for tube equipment were hard to find even then, and I had to have two of the TV horizontal sweep coils required in the circuit wound by the original manufacturer. This Theremin ended up in a rock band.

I have always wanted an original RCA Theremin, and knowing that I would never own one, last year I built a replica using mostly vintage parts and the original physical layout. Building my second Theremin resulted in a thorough knowledge of how it was constructed and how it worked electronically.

I also have been restoring antique radios for the past ten years. This background combined with a fanatical desire for authentic restoration set the stage for the RCA Theremin restoration project reported here. The result is my third Theremin, completely restored and shown in Figure 1 above right.

### DISASSEMBLY

All the following photos assume one is facing the back of the Theremin. Photographs of everything before disassembly are extremely useful during the restoration and reassembly process. If in doubt, draw a sketch. Not only will you have a



*Figure 1. Mark McKeown's restored RCA Theremin. The pitch antenna is on the top and the volume antenna is on the side.*

record but you will better understand what has been done. It is a lot easier to draw a sketch now than try to figure it out later. Wire color coding in this set was the same as in the RCA manual, although some fading of the power supply cable wires had occurred.

I carefully removed all the tubes, keeping in mind that the sockets were delicate. The nuts on the front panel switches were hard to loosen. I used a pair of pliers with duct tape on the jaws to keep from scratching the bezels and cabinet. Not doing damage now means less to repair later. I noted that the lower on/off switch bezel reads up side down; it came that way.

I then removed the pitch and volume coils from

the chassis shelf. I used small wrenches or nut drivers to loosen the nuts on the wire terminals. Pliers chew up whatever they touch. The terminals were spade lugs, except for the antenna wire lugs. These were inconveniently of the ring type, so the nuts had to be removed, dropped and found. Each coil is fastened to the chassis shelf with bolts. The bolts on the chassis side have to be very carefully removed to keep from damaging the coils.

The Theremin was then placed next to a table on the left side of the cabinet. The chassis/shelf was then removed from the case, rotated around and set on the table while the cable to the power supply was disconnected. The chassis shelf is fastened into the cabinet by a screw on each end.

As Figure 2 shows, the power supply cable does not use all the power supply terminals (discussed below). The cable is formed so that each wire almost automatically wants to go on the right terminal. The correct layout is in the RCA manual if needed, although a sketch and photograph of the hookup is a good idea before removing the wires.

After sliding out the chassis/shelf, I set the unit on a small box so that the unit was not resting on the power supply cable. The cable goes through a hole in the shelf and can easily be bent or damaged. The old cloth-covered wire insulation is very delicate.

I then unfastened the accessory socket, switches from the cabinet front, and the safety interlock switch bracket. The AC power cord was then pulled through the hole in the cabinet bottom. After removing the four screws that held the power supply to the cabinet bottom, I removed the power supply.

### POWER SUPPLY CHASSIS

The power supply, shown in Figure 3, is typical of the time (1928), utilizing three chokes to do much of the filtering because high value capacitors were very large. I cleaned the underside of the power supply, shown in Figure 4, using lots of Q-Tips, 409 or paint thinner, or both, depending on what worked best. I applied power to the supply without a rectifier tube with a Variac, slowly increasing the voltage. The transformer voltages were within specifications so I installed a Type 80 rectifier, the modern equivalent to the Type UX-280. Why risk a vintage tube?

Again using the Variac, I increased the line voltage output. Voltages were still within specifications, so I let the power supply cook for a few hours. The filter capacitors are typically bad in these old power supplies, but these appeared to be good. I then used the power supply to power the replica RCA Theremin I had constructed, and everything worked fine.

The power supply used by RCA in the Theremin is identical to the supply used in the RCA Radiola 60 radio that was produced at the same time. The only difference is that terminals 3 and 4 and terminals 6 and 7 are shorted together, removing one output voltage and grounding another terminal. Because these power supplies are available, I was not too worried about the capacitors.



Figure 2. The power supply cable connections.



Figure 3. The power supply in rather poor cosmetic condition. Inside the metal cans are the transformer, choke and filter capacitors. The tube socket is on the lower right.



Figure 4. An underside view of the power supply chassis.

### MAIN CHASSIS

The underside of the main chassis, shown in Figure 5, was in good condition with all components in relatively good physical condition. Again, I cleaned the underside of the power supply using lots of Q-tips, 409 and paint thinner. All nuts and bolts were checked for tightness. Metal can corrode, and anything not made of metal can shrink in 77 years, so these were carefully checked. The variable capacitor frames were fiber board, and the through bolts were loose. All resistances were checked and were close to nominal. The values of carbon composition resistors are often not close to the original values because carbon resistors can change radically with age. In this case, the resistors were all within a few percent. For some reason the resistors were not color coded.

The power cable was constructed of cloth-

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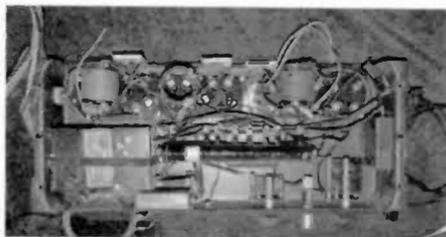


Figure 5. The underside of the main chassis.

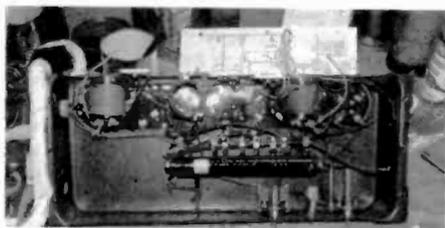


Figure 6. The main chassis showing the power cable wrapped for protection.

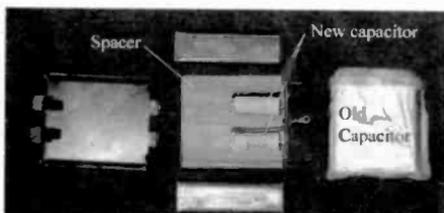


Figure 7. The capacitors disassembled showing both the new and the old.



Figure 8. The completed rebuilt capacitors.

*(RCA Theremin Restoration, continued)*

covered wire that was laced together. The insulation was very fragile so I wrapped the cable with roll bandage to protect it. This protective covering is shown on the left side of Figure 6. Typically a chassis gets flipped over numerous times during repair and restoration so extra care was necessary to protect the cable.

All the bypass capacitors were in large cans. The capacitors were bad so these I rebuilt. Each can was disassembled, a spacer block was made and a much smaller modern replacement was installed in the cans. A typical rebuilt capacitor is shown in Figure 7. The cans were then sealed, painted and new labels made. A scanner and color printer are invaluable for doing this work. The damaged labels were scanned, repaired bit-by-bit, and then printed. Figure 8 shows the restored capacitors.

The three oscillator coils, fortunately mostly protected by the chassis, were in good shape. The double cotton-covered wire looked intact. The chassis was too shallow for the coils probably because it was the same as used for one of RCA's radio models. The chassis was mounted on strips of wood to get the necessary clearance beneath the chassis for the coils. The parallel capacitors used in the oscillators were mica and were in excellent shape. If you looked close, the capacitance of each capacitor could be seen handwritten on the outside.

The audio transformers checked OK and had appropriate DC resistances. This was fortunate since rewinding audio transformers is a tedious process. The transformers had part numbers on the can, and these turned out to be the same audio transformers used in Radiola 60 radios.

#### PITCH AND VOLUME COILS

Unfortunately, someone had removed and lost

the two back cabinet doors exposing the large pitch and volume coils to damage. These coils, shown in Figure 9, were wound with double cotton-covered wire and had been scraped. The wires were broken and the insulation rotted. Fortunately, the forms were undamaged.

Because these coils are the heart of the instrument electronically and help give the instrument a vintage look, using the appropriate wire was very important. Getting the wire made in the small quantity needed was not practical, so I checked with some antique radio forums on the internet. I was fortunate to find Alan Douglas (author of

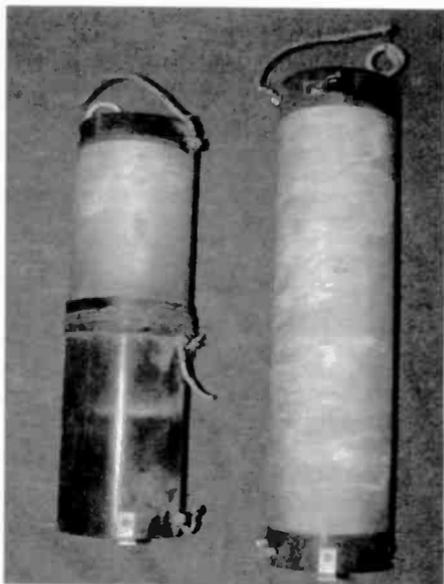


Figure 9. The damaged volume, left, and pitch coils.



Figure 10. The "Singer" coil-winding lathe. In the lower center of the photograph, note the spool of wire which is being wound onto the right end of the pitch coil on the lathe.



Figure 11. The restored volume coil.

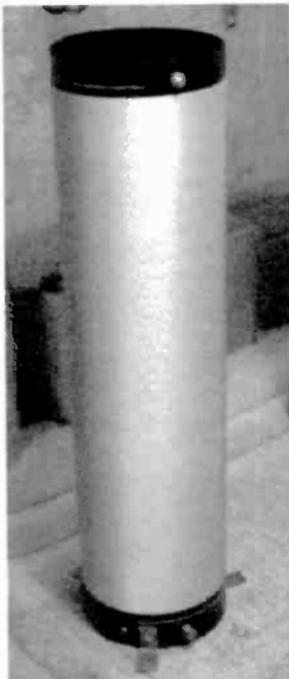


Figure 12. The restored pitch coil.

numerous antique radio publications) who donated the vintage #38 wire needed for the restoration.

Winding coils this size with #38 wire by hand is difficult. I decided to build a coil winding lathe out of a sewing machine. I purchased a nice Singer sewing machine for \$2 at a rummage sale. I disassembled the unit as much as possible and then cut the main frame of the machine off with a cutoff wheel in a body grinder — brutal but effective. The foot control was very useful but the speed was too fast so I used a gear reduction from a World War II radio control head to reduce the speed.

The machine had to be turned around and used from the back side to get the rotation in the right direction for coil winding. I made two hubs to hold the coil form on the sewing machine main shaft. The "Singer" coil winding lathe made winding the coils much easier. The coil-winding setup is shown in Figure 10.

Cotton-covered wire is very sensitive to kinking which damages the insulation, so the coil lathe was well worth the effort. Before winding the coils, I sprayed the form with satin Rustoleum enamel which dries very slowly. When the paint became tacky, I wound the coils, taking advantage of the tacky paint to help hold the windings in place. The resultant coils are identical to the original and are shown in Figures 11 and 12. The pitch coil has a "concentrating" coil located inside at the base which was in good condition. Figure 13 provides end views of the coils.

#### THEORY OF OPERATION OF COILS

**Volume Control.** The RCA Therman uses the Type 120 tube to vary the audio gain by varying the tube filament voltage (i.e. filament temperature) and therefore the amount of current flowing through the tube. Many early 1920s radios used a rheostat to control the filament voltage and basically the same method to control the volume.

Hand capacitance applied to the antenna on the side of the Therman is used to vary the oscillation frequency of the volume  
(Continued on following page)



Figure 13. The inside bottom ends of the volume coil (on the left) and the pitch coil.

(RCA Theremin Restoration, continued)

variable oscillator. The output of the volume variable oscillator is mixed (heterodyned) with the output of a fixed oscillator. As the resonant frequency of the volume variable oscillator, which is varied by hand capacitance, approaches the resonant frequency of the volume fixed oscillator, more current flows in the large coil and therefore in the secondary of the large coil which powers the 120 filaments.

**Pitch Control.** The pitch control coil likewise uses hand capacitance to vary the oscillation frequency of the variable oscillator. The output of the variable oscillator is mixed (heterodyned) with the output of the fixed oscillator. The result is the audio frequency we hear.

#### FRONT PANEL

The chassis had a black Bakelite panel mounted on the front that is visible through the hole in the cabinet that exposes the tuning capacitors and pilot light. I painted the panel satin black and fitted a replacement jewel for the light to the original jewel holder

#### ANTENNAE

The previous owner of the instrument had replacement antennae made. These were made of  $\frac{7}{16}$  in diameter brass tubing. The antennae are plugged into sockets on the case. The replacements were exact duplicates of the original (there was a damaged pitch antenna for comparison). All I had to do was get them and the original sockets nickel plated to match the original and look new. Figure 14 shows the replated pieces.

#### INITIAL OPERATION

In order to test the pitch and volume sections

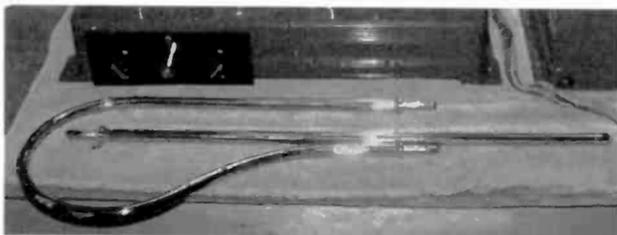


Figure 14. The restored front panel (upper left) and the replated antennae.

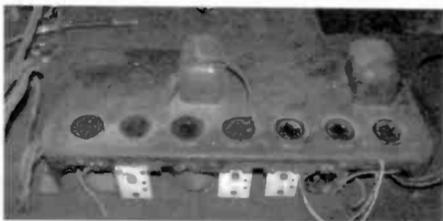


Figure 15. The main chassis before refinishing.

separately — not expecting either section to work — I put three volts on the Type 120-tube so that the volume part of the circuit would have the volume all the way up. Amazingly enough, after the smoke test was successful (no smoke), the pitch circuitry worked fine from the start, and I had only to tune the unit as described in the RCA Service Notes.

I then removed the three volts from the 120 tube and had no sound. I checked to see if the oscillator was working, and it was, but not near resonance with the large coil. I then removed the capacitance that was in parallel with the oscillator coil and installed a mica compression trimmer so I could "tune" the circuit. I tuned the circuit to proper resonance and then measured the capacitance needed. The needed capacitance was less than the original fixed mica capacitor, but I was able to disconnect one of the plates between the mica leaves and then add a small mica capacitor to get the correct parallel capacitance. The small mica capacitor is hidden underneath the original capacitor. I could have added or removed turns from the large coil but chose to change the capacitance because this seemed less drastic.

#### REFINISHING THE POWER SUPPLY AND CHASSIS

The power supply chassis and the main chassis had originally been painted brown. The transformers and potted chokes and capacitors were in large rectangular cans or small cans that were also painted brown. Figure 15 shows the main chassis in its original state. Everything was rusted and pitted, so I removed as many screws (sometimes sequentially) as possible and sanded the chassis to remove loose paint and rust. Every screw, bolt and nut that was removable was taken off and cleaned with a small wire brush. I made cardboard discs to mask the tube sockets, as shown in Figure 16.

I then sprayed the power supply and chassis with red primer. The primed chassis is shown in Figure 17. After sanding the primed power supply and chassis, I painted both with leather brown Rustoleum gloss enamel. This color closely matched the original brown paint. The restored main chassis and power supply chassis are shown in Figure 18.



Figure 16. The main chassis after sanding with masking over the tube sockets.

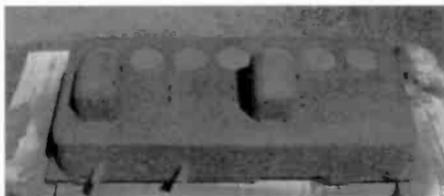


Figure 17. The main chassis with a coat of primer.



Figure 18. The restored main chassis (left) and the power supply chassis.

The bracket that holds the ceramic trimmer capacitors on the back of the chassis had to be removed and refinished because it was rusty. Black satin enamel was used for this part of the project.

#### REFINISHING THE CABINET

The cabinet was covered with numerous scrapes, gouges and dents, as Figure 19 shows. Apparently not everyone cherished the instrument as we would now. I took small wetted bits of paper towel and used mylar tape to hold them over the dents for a day to let the wood swell and fill the holes. The patches are shown in Figure 20. I filled what remained with plastic wood as necessary until the cabinet was repaired and ready for refinishing.

The cabinet apparently spent part of its life in a humid climate because almost every glued joint was loose. I carefully aligned, glued and clamped joints, and added screws if they could be concealed, until the cabinet was again tight. The gluing and clamping operation is shown in Figure 21. I then stripped off the old finish.

The beading between the cabinet base and top was either missing or torn up so I constructed new out of mahogany. The two doors on the back of the cabinet had been removed so I had to construct new ones. The original Instrument was made of solid mahogany with the base and back doors made of mahogany-veneered wood. I had to find

*(Continued on following page)*



Figure 19. The cabinet before restoration.



Figure 20. Patches of wet paper towel secured with mylar tape help dent removal.

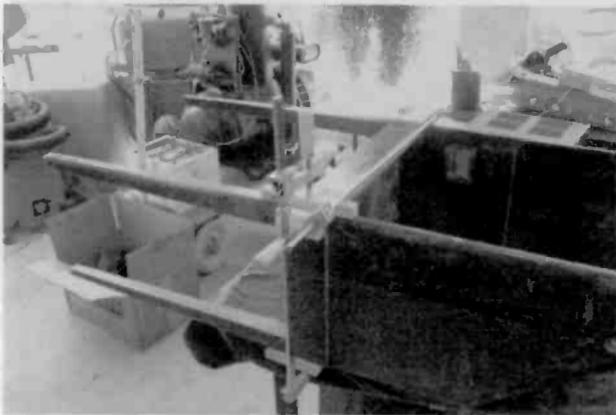


Figure 21. Gluing joints held with clamps.

(RCA Theremin Restoration, continued)

two flat pieces of wood, use a planer to reduce the thickness by two layers of veneer, and then glue the veneer to the wood to get the right material in kind and thickness to replace the doors. I also had to make the safety interlock brackets that fasten to the door. These close the interlock switches when the doors are closed allowing the mains power to be turned on with the front panel switch.

RCA apparently did not do anything beyond what was normally done for finishes on their production radios. The cabinet was made by the Jamestown Mantel Company, manufacturers also of Radiola 60 radio cabinets. I refinished the cabinet by staining the unit with walnut to match the original finish, applying a coat of lacquer sanding sealer, and a coat of satin clear lacquer. The satin finish is closer to a vintage finish than a shiny new gloss lacquer produces. See Figures 22, 23, and 24.

## MISCELLANEOUS

During construction of the replica RCA Theremin I discovered that there were many electronic part values and mechanical and physical dimensions of the instrument that were unknown. As part of the restoration project, I measured all the electronic part values and coil dimensions. This was to check the information I was able to find and had developed for my earlier replica construction so that the instruments could be more easily and correctly duplicated. I also made dimensioned drawings of the cabinet so the cabinets could also be duplicated, although the dimensions could be obtained from other Theremins in collections.

A Type 31 tube can be substituted for the Type 120 tube but the response time is a little slower. I made a socket adapter and used a Type 3Q4 miniature tube, and it works about as well as the 120 and is easy and cheap to obtain. A Type 01-A tube can be substituted for the Type 171A audio amplifier and actually works better. A 171A is necessary in the volume oscillator because the 01-A will not oscillate.

This instrument is like radios of the time, requiring a high impedance speaker. Modern speakers have impedances between 4 and 16 ohms and a high impedance speaker is around 2000 ohms. A modern speaker can be used, but an impedance matching transformer is appropriate between the

instrument and the speaker.

The serial number of the instrument is stamped on the top of the main chassis. The serial number of this instrument is 100247 which correlates with other reported numbers. I don't know what the number on the doors means.

## CONCLUSIONS

This project was a challenge from start to finish. Perseverance in finding obsolete parts and materials and a strict adherence to the original construction resulted in a restoration that would be difficult to detect. The measurement of values and dimensions during the restoration made available critical information that allows duplication and repair of the original instrument electronically as well as physically.

Remember that this instrument uses lethal voltages with which many transistor era constructors are not familiar.



Figure 22. The cabinet after staining.



Figure 23. A front view of the restored Theremin.

Mark McKeown has collected and restored antique radios and communication gear for about ten years. Having built his first Theremin in the 1970s, he also restores other vintage electronic musical instruments. An Amateur radio operator since the age of 14, he has held an Extra Class Amateur Radio license for 51 years.

**Reference:**

*RCA Victor Service Notes.* Camden, N.J.: RCA Manufacturing Co., Inc., 1929-1930.

Thanks to David Kean and the Audtles Foundation in Calgary, Canada, for providing me the opportunity to restore an original RCA AR-1264 Theremin, an opportunity of a lifetime. (Mark McKeown)

Thanks also to Alan Douglas for supplying the much needed wire.

The information in this article first appeared on the Theremin World Website at [www.thereminworld.com](http://www.thereminworld.com).

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(Mark McKeown, 14707 Mouse Ear Ln., Golden, CO 80403)

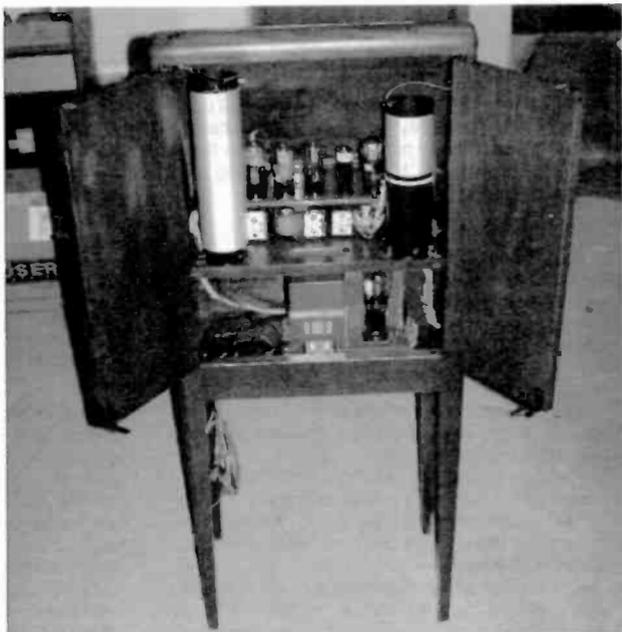


Figure 24. A rear view of the restored Theremin.

# WITH THE COLLECTORS

## The Knight D-106 Superhet

BY DON WATSON

*Don Watson tells us about his Knight Model D-106 and raises questions regarding its components and the time of its manufacture. Perhaps some A.R.C. readers can provide him with answers to his questions. (Editor)*

The Knight D-106, shown in Figure 1, is a 6-tube superhet that covers broadcast and short-wave bands from 6 to 18 megacycles. The circuitry is very typical for its time. It features an untuned RF stage and the tube lineup for the all-American Five (six in this case). The speaker is an electrodynamic type, and the resistors used are of the older type — i.e. the three-color code system of body-end-dot.

This set was advertised in the 1942 Allied Radio Catalog (see Figure 2) and went for a whopping \$18.95, perhaps a tidy sum back then. The cabinet is covered in a walnut veneer and the secondary wood appears to be poplar.

Perhaps what really adds to the appeal of these old radios is their performance and appearance. Their sensitivity, selectivity, and tonal quality are lacking in today's receivers. Manufacturers don't seem to pay particular attention to these details. I still enjoy BCB DXing and SWLing after all these years.

### QUESTIONING THE PERIOD

As previously mentioned, the radio appeared in the 1942 catalog; however, I just wonder if it was really available during that period. This radio seems to be from a much earlier era. The knobs are wood and not plastic, and the resistors are from the 1930s. I would think that these consumer products were no longer available due to gears shifting towards the war effort. The cover of the Allied Catalog depicts the war era and what appears to be a Naval fleet.

Perhaps somebody out there in radioland has more information as to what company actually manufactured this radio for Allied. At that time, there were many large and small radio manufacturers in Chicago.

As far back as I can remember, our first radio was a Knight from the 1930s. In the 1940s, we had a Majestic radio/record player combination. Every morning it was tuned into the Arthur God-



Figure 1. With its "fresh-from-the-factory" look, the restored Knight D-106 also performs well.

frey show. I was perhaps four or five at the time. I could not understand how they could get a man in that box to talk. To satisfy my curiosity, I poked pins into the speaker to see if it would go "ouch." Well, it never did, and I still couldn't understand. Imagine my surprise when I disassembled this radio and found pin holes in the speaker cone. I know I didn't do it.

I found this radio and purchased it for \$15 at a flea market. The electronics have been restored and the cabinet refinished in the original color, minus sixty years of aging. Having worked for Allied Radio in the early 1960s, I am always looking for old Knight radios.

I hope that some of you out there will be able to fill in some of the blanks in this article.

*Don Watson, 538 Yarmouth Rd., Elk Grove, IL 60007-3455*

*Don Watson has been working on or collecting radios since the mid-1950s. It was a treat to go to Chicago's Maxwell St. to rummage through piles of junk in search of a radio. At age 16, he received his Amateur radio license and he is still very active after 45 years as K9DDO. He holds an Extra Class license and has made contact with every country in the world. He retired in July 2005 as a repair technician of printed circuit boards for computer numeric controls and motor servo's CNC machinery. His hobby is restoration of the electronics and cabinetry of vintage sets.*



### Knight 6 TUBE 2 BAND AC-DC SUPERHET

Here's the "Super-Six" for '42—the radio that's way ahead of the field. Yes, here's more radio for your money—more in beauty and styling—more in tone and performance.

**Foreign Reception.** The two-band range of the Knight 6 (with rectifier) gives added entertainment value; dependable Short-Wave Foreign reception on the 5.7 to 18.3 MC range; and true-toned reception of American and Canadian Broadcast stations on 535 to 1650 KC—a listening treat both ways.

**Plays Anywhere.** The Knight 6 works equally well from 105-125 volts, 40-60 cycles AC or from DC (can also be used on 220-volts with adapter listed below). New built-in high-gain loop aerial gives you dependable reception. Just plug in and play. (The 's also provision for connecting outside

**Brilliant 1942 Circuit.** RCA and Hazeltine licensed circuit. Newest type tubes give you actual 7-tube efficiency: 12SA7GT is Conv.; 12SK7GT is IF; 12SQ7GT is Det.-AVC; 12SQ7GT is 1st. Audio; 35L6GT is Power Output; 35Z5GT is Rect. Note the use of the multi-purpose tube for extra power and efficiency. There's a big advantage in the power and tone of the "Super-Six" you'll not find in ordinary six tube models even at higher prices.

**Extra Value Features.** Full Automatic Volume Control prevents fading and keeps volume uniform. Large Beam Power output is handled beautifully by the newest-type Electro-Dynamic Speaker. Add to these the easy-tuning Slide-Rule Dial, the convenient built-in loop, and full two band range, and you get an unparalleled 1942 radio value.

**Advanced Styling.** Here's the latest note in 1942 radio styling—with a streamlined beauty that's hard to beat. Top and front are of choice walnut veneers; sides are of selected, walnut-finished hardwood. The distinctive speaker grille treatment adds unusual grace and beauty to the design. The entire cabinet is hand-rubbed to a lustrous finish. Size: 13 3/4" long, 7 3/4" deep, 8 3/4" high. Here's a table model cabinet you'll be proud to own.

**Knight 6 AC-DC Complete.** Comes complete with tubes in the table model cabinet illustrated above. For 105-125 volts, 40-60 cycles, AC or DC. Shpg. wt., 10 lbs.

**D-106.** Value \$38.95.

**NET, EACH, \$20.95**

**NET, LOTS OF 3, EACH . . .**

**\$1895**

**49-581.** 220 Volt Adapter for operating set from 220 volts AC or DC. **NET . . . \$5**

Figure 2. This listing for the Knight D-106 is reproduced from the Allied Radio Catalog for 1942.

## Emerson Model 541 "Most Advanced, Yet Acceptable"

BY RICHARD ARNOLD

Once again Richard Arnold reports on a radio find. In this case, he learns a lot about the cabinet's designer. (Editor)

I was making one of my weekly rounds to my favorite antique store here in Ardmore, Oklahoma, when I just happened to come across this very unusual looking radio tucked away in one of the booths. I had never seen one like this before, and though at the time, I thought it wasn't very good looking, I decided that I just had to have it. It was a 1947 Emerson Model 541, shown in Figure 1. What got my attention the most was the good condition of the finish on the front of the cabinet—that, and the overall unusual look of the radio.

I took the radio home and did nothing to it. I just put it up for some future time, maybe a winter project. Then one day I was looking at radios on eBay, and I noticed that an Emerson 541, one just like mine, was up for auction. I had never seen one before on eBay either.

The seller was saying that the radio was a post-World War II model designed by a world famous designer named Raymond Loewy. Who was Raymond Loewy? I had never heard of him, but apparently other people had, as this seemed to be a major selling point for the radio.

I happen to have a copy of a 1943 Emerson publication called *Small Radio Yesterday and in the World of Tomorrow*. I thought maybe, just maybe, there would be something about this Loewy guy in the book. Well, sure enough, there is.

Here is a direct quote from the book: "Design of Emerson Radio-Electronics. Styling has always been an important influence in the sale of radio. While directing efforts to producing high quality instruments for sale at popular prices, Emerson has paid particular attention to style trends and has introduced many innovations.

"In this connection we are proud to announce that much of Emerson's Radio-Electronic styling

(Continued on following page)

(Emerson 541, continued)

of the future will be executed by the outstanding industrial designer, Raymond Loewy.

"Mr. Loewy, aided by a large organization of engineers and designers, has been responsible for many of the world's finest creations in a wide range of industries — radio, locomotive, furniture, automobile, home appliance, personal items, instruments of war — on down to packaging countless products. Working with Emerson engineers, Mr. Loewy and his associates will set new standards of style and performance as postwar operations progress."

Mr. Loewy's design philosophy was fairly simple. He summarized it with the acronym MAYA — "most advanced, yet acceptable."

I add here an interesting aside: Recently, I was listening on my computer to a Jack Benny Christmas radio program from 1953. At the end of the program, the announcer was selling Lucky Strike cigarettes. He mentioned that the bright holiday Christmas gift carton of Lucky Strike cigarettes for that year was designed by the world famous designer Mr. Raymond Loewy.

#### THE MODEL 541

The Emerson Model 541, designed by Mr. Loewy, was made in 1947 and was one of Emerson's first postwar "All American Five" superheterodyne sets. According to the Emerson book, he also designed the 1947 line of Hallicrafters radio receivers that "conveyed a crisp precision far ahead of their time."

The Emerson Model 541 is a 5-tube radio. It uses the following tubes: 12SA7GT converter, 12SK7GT IF amplifier, 12SQ7GT detector and 1st audio, 50L6GT audio output and the 35W4 rectifier. There is one dial lamp, a Type 47. The radio tunes the broadcast band only, from 540 to 1620 Kc. The two knobs are for volume control, on/off and tuning. The radio uses a self-contained loop antenna.

The Models 511 and 517 (see Figure 2) also use this chassis. These two models come in colored plastic cabinets, some with a red or white marble pattern. Even though they are very similar in design to the wood Model 541, they seem to be more popular and will bring a higher price.

The radio uses a 4-inch permanent magnet speaker and the IF is 455 Kc. It sports a large plastic dial that just slips into a curved track and is held in place by a white tab that comes out of the grill area. The dial scale numbers are pressed into the plastic in a gold color, and the dial scale is reversed with the 1500 Kc on the left side of the scale. The station indicator has a large round gold base and a red pointer.

I kept track of a few of the Model 541 sets on



Figure 1. The 1947 Emerson Model 541 with a cabinet designed by Raymond Loewy.

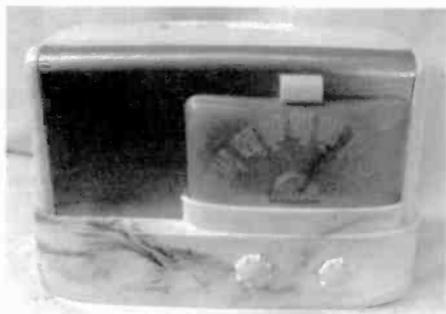


Figure 2. The Loewy designed Emerson 517.

eBay, and they sold for from \$30 to \$75. At first, I thought that what I had was another one of those — I'll use the word — "mundane" radios. I didn't realize that it was a "most advanced, yet acceptable" radio. But now that I know a little more about it and its history, I think it's a pretty neat looking radio, and I have come to really like it.

#### References:

*Small Radio Yesterday and in the World of Tomorrow.* New York: Emerson Radio and Phonograph Corporation, 1943.

Alexander, James M. from *Contemporary Designers*, Ann Lee Morgan ed. London & Chicago: St James Press, 1985.

(Richard Arnold, P.O. Box 275, Lone Grove, OK 73443)

Richard Arnold, a frequent contributor to A.R.C., has been collecting radios since 1985. His interest is primarily in cathedrals and 1920s battery sets, and his collection ranges from crystal sets to a 1928 American Bosch in a Pooley cabinet. His prize is the 1932 Jackson Bell Peter Pan featured in the June 1991 A.R.C.

# WITH THE COLLECTORS

## Listen to FM on Your Antique Radio

BY AL SMITH

*Al Smith describes a practical way to adapt your old radios to receive FM stations. (Editor)*

Want to add FM reception to your old AM radio? Shown in Figure 1 is an FM converter that can do just that. These converters, used to add monaural FM reception to AM automobile radios, were sold in the 1960s under various brand names and models. The one pictured here is an Audiovox FMC-5C.

The audio output of the FM tuner in these devices is used to modulate an internal AM oscillator. When this signal is fed to an AM-only auto radio, it enables the radio to receive FM broadcasts. Now that virtually every car has FM, there is no longer any need for these devices in cars; but they can find good use in the homes of radio collectors.

Receiving FM stations on an antique or classic AM radio requires only a converter, a 12-volt/500mA wall-type power supply, such as a Radio Shack part number 273-1773, and an FM antenna. An automotive-type antenna is not required. Any standard 75-ohm FM antenna may be used.

The Motorola-type antenna input socket on the converter can be connected to a standard F-type TV/FM cable connector by using two adapters. The Radio Shack 278-160 is a female BNC to Motorola adapter and the part number 278-277 is a BNC male to female Type F adapter. Using part number 278-160 alone will allow connection to a BNC male connector.

Figure 2 shows the FM converter in use with an Atwater Kent Model 84 cathedral. The only connections to the Atwater Kent is to the antenna and ground terminals.

This approach is an easy way to expand your source of radio programming.

(Al Smith, 25 Stonehedge Rd., Lincoln, MA 01773)

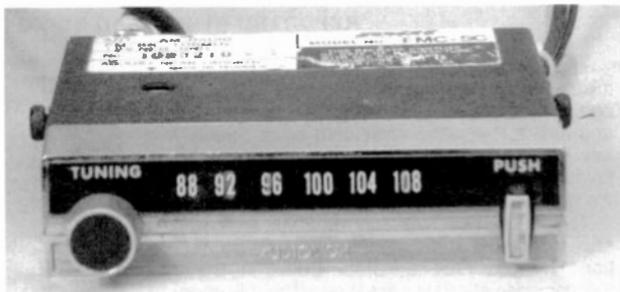


Figure 1. The Audiovox FM converter used with AM car radios to provide monaural FM reception.

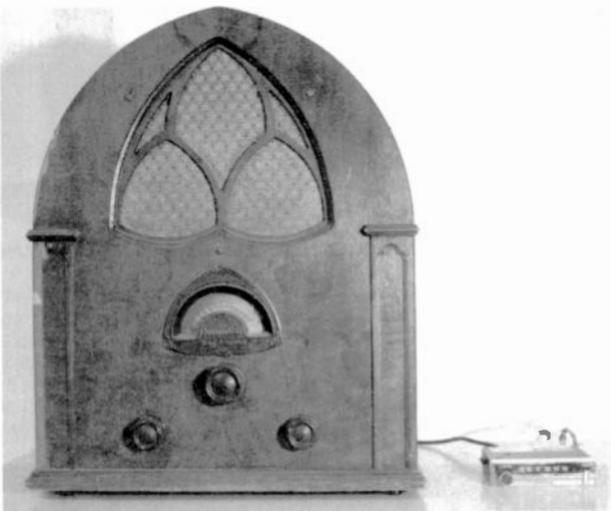


Figure 2. The author's setup consists of an Atwater Kent Model 84 and an Audiovox FMC-5C converter.

*Al Smith hasn't outgrown his interest in consumer electronics which began at age 10. During high school, he arranged with a local college store to offer radio repair services. By the time he went off to college to become an electrical engineer, he had repaired over 400 radios. After working for Sprague Electric Company, he went on to get a Ph.D in Applied Physics and a career in magnetic recording. His collection focuses on radios of the 1930s-1960s era and on professional test equipment.*



# AUCTION REPORT

## Estes Auctions Seville, Ohio – July 16, 2005

REPORTED BY RAY AND EDITH CHASE

This auction report was delayed because I misplaced my notes and only found them a month ago. Hence some of the listings are abbreviated and others had to be eliminated since I usually rely on my memory, along with my notes. As might be expected, in the ensuing months since the auction, my memory has faded somewhat.

The Estes auction on July 16, 2005, dealt with several estates and was held at the Estes Auctions Barn in Seville, Ohio. Collector Steve Kenyon specialized in post-World War II European radios of which about 18 models were offered. Most were working and in excellent condition. Other estates were from Glenn Osborn of Ohio, Arthur Aseltine, and a collection from Baden, Pennsylvania.

The barn in Seville is a truly rural barn, and it was chock full of over 500 radios and 1,000s of tubes. Richard Estes announced that this was "not much of a sale." If so, I could not imagine what a large sale would entail.

The weather was forecast to be hot and steamy, and that it was. On Friday, the place was packed, and goods were still coming in. Wood tombstones and cathedrals were packed three deep making full inspection quite difficult. On Saturday morning even more goods were being brought in.

As is the usual practice at the barn, tables of low value goods and box lots were arrayed outside the barn and were auctioned off at 8:30 Saturday morning prior to the main sale at 10:00 A.M. This process was completed by 9:25 with many of the items being sold for no more than a dollar and some lots being combined before an



*This replacement phono styli display sold for \$100.*

opening bid could be obtained. For example, a very poor condition Hammarlund Super Pro sold for \$5, and a ratty but complete Hallicrafters SX-28 sold for \$1. Nonetheless, when a "good" item turned up, it drew a competitive price.

In the main auction, in addition to the European sets, there was a variety of early radios, elec-



*The large selection of cathedral and tombstone radios waiting for auction is evident in this photo.*



This Estes auction included a wide range of radios and related items as this photo shows. A number of Atwater Kent radios were offered. Other items in the photo include an Edison phonograph, early cone speakers, a Grebe CR-8, and an assortment of telegraphic items.

tric sets, Ham gear, consoles, many tubes, and a good selection of phonograph items. As the day wore on, the heat became quite stifling and was made further unpleasant by swarms of houseflies requiring constant swatting. Yet, Richard kept the auction moving along without stop or relief until after 5:00 P.M.

In the afternoon, a table full of novelty radios and a large selection of books and paper were sold at a side auction that I was not able to record. Also many bulk tube box lots were not recorded, and my wife Edith did some recording when I had to take a break or two. She does not write as fast as I do, so some listings were missed or are incomplete. We recorded over 600 lots, and the auction surely must have had over 700 items sold.

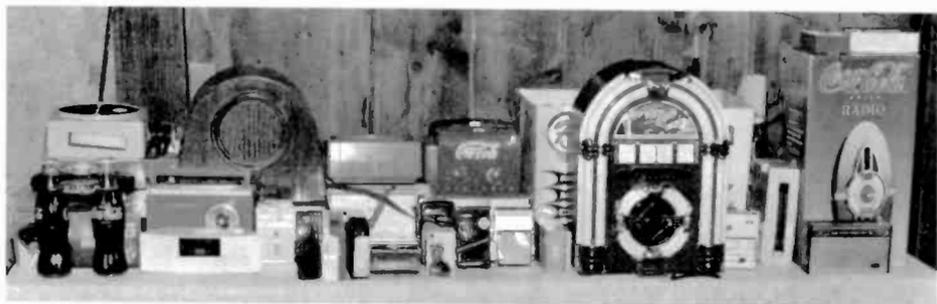
The total sales realized must have been at least \$40,000 as our listing adds up to slightly over \$38,000. At this location, there is no buyer's premium so the list price is the actual cost to the buyer. It was an interesting and profitable experience, if one was willing to endure the unpleasant weather.

**A warning:** Auction prices are not current values. Our selection of auction items is not necessarily complete. A listing such as this cannot adequately include the condition of cabinets, chassis, transformers, tubes, the operating status of the set, and the inclusion of incorrect, restored or replica components, etc. Auction prices are the result of the excitement of the auction process, the skill of the auctioneer and the specific interests of the participants. Nevertheless, auction prices serve as useful references and as another element in the value determining process. The possibility of error always exists, and if we are notified, corrections will be reported.

e=excellent, vg=very good, g=good, f=fair, p=poor, unk=unknown condition, N.O.S.=new old stock, wk=working, nwk=not working, WT=with tubes, NT=no tubes, BB=brass based, TT=tipped tube, gf=good filament, SW=shortwave, PS=power supply, PB=push buttons, WE=Western Electric. All prices have been rounded down to the dollar. Some low cost items and items in poor condition or non-specific descriptions are omitted

AC Dayton 3-dialer, WT, missing case & 2 knobs .	\$30
Admiral 19A15S 5" wood table TV, vg .....	95
Air Chief, small, brown plastic .....	30
Airline 1-tube early battery set, g .....	85
Allied A-2515 communications receiver .....	35
Arvin 2-tube, white, miniature, metal receiver, g.	125
Atwater Kent 5A, not a breadboard, like an AK 20, labeled "Browns Radio Shop, Mich.," rare .....	2,300
Atwater Kent 9 breadboard, WT, g .....	1,300
Atwater Kent 10 breadboard, W(2)T, f+ .....	500
Atwater Kent 10 breadboard, w/tags, WT .....	850
Atwater Kent 20 big box, NT, g .....	55
Atwater Kent 20, [AK-19 with an AK-20 tag?], WT, vg .....	250
Atwater Kent 40 coffin, g .....	35
Atwater Kent 82 cathedral, vg .....	500
Atwater Kent E2 speaker, g driver, (2) .....	20, 25
Atwater Kent H horn, g driver, g .....	65
Atwater Kent L horn, g driver, g .....	75
Atwater Kent M horn speaker .....	85
Automatic Radio portable 8-track player, N.O.S., (3) .....	15, 15, 25
Automatic Radio small "Tom Boy" radio, alligator skin, vg .....	50
Bell (German) 1950s table set, white plastic, 3 knobs, g .....	55
Bell 2200C PA amp, wk, g .....	65
Belmont white plastic, 2 knobs & PB, g .....	55
Blaupunkt 20203 Sultan, w/minor damage .....	45

(Continued on following page)

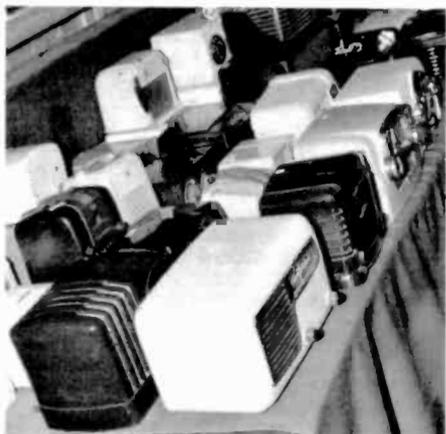


Collectors of novelty radios had a number of items to choose from.

*Estes Auction, continued)*

Bogen power amp, missing most tubes .....	45
Browning Golden Eagle tube CB set, w/micro- phone, (3 pieces), vg .....	125
Bunnell sounder & key on wood base .....	15
Burns celluloid petal horn, g driver, small chip in petal, g .....	275
Cockaday 3-tube set, vg .....	60
Collins TCS-12W antenna tuner, g .....	50
Coronado radio .....	55
Crosley 51, w/wood front panel .....	65
Crosley 52, NT, g .....	65
Crosley ACE, WT, g .....	95
Crosley Bullet, black, w/hairline .....	40
Crosley small transistor book radio .....	35
Crosley Super Trirdyn .....	45
Crosley Super Trirdyn Special, NT .....	35
Crosley Trirdyn, NT .....	40
Crosley Trirdyn, WT & labels & paper .....	75
Crosley VI, WT, g .....	110
Crosley white "dashboard," g .....	65
Daco Deco suitcase tube tester, vg .....	10
DeForest crystal set, empty case only, g .....	25
DeForest Everyman crystal set, w/coil, no phones, g .....	350
DeForest F5 cabinets, (2), (1) w/chassis .....	105
DeForest headset, g .....	50
DeForest, white Bakelite, g .....	40
Detrola wood table, w/PB, g .....	45
Detrola wood tombstone, Deco, 3 knobs, w/eye, g	125

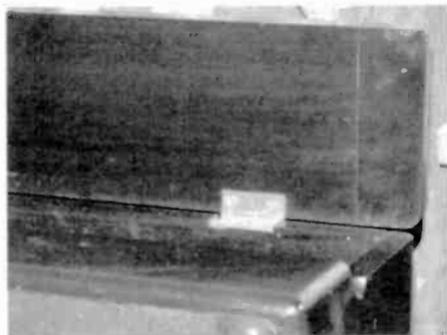
Dubilier 600 cathedral, 3 knobs, vg .....	300
Duck Co. slide tuner, g .....	150
Dyna FM tuner .....	10
Echophone 6-4 cathedral, vg .....	95
Echophone cathedral, vg .....	160
Edison bulb, replica, in box .....	20
Edison old mimeograph duplicator, complete .....	35
Edison wet cell, unusual .....	25
Eico 666 suitcase tube tester, w/paper .....	45
Eico Mark II Dynakit amp, NT .....	85
Electro Importing side swiper key .....	40
Electro-Voice 279 table microphone .....	12
Electrotone suitcase guitar amp .....	60
Eveready Model 3 wood-case speaker, g driver .....	10
Fada small mantel set, in leather case .....	65
Farnsworth, Deco, plastic, 2 knobs, vg .....	35
Freed-Eisemann 3-dialer, minus 1 tube, g .....	50
Freshman Masterpiece 3-dialer, WT, g .....	65
Garrod 5A white & blue plastic table set, vg .....	30
GE wood table TV, about 12" .....	55
German WWII radar indicator, incomplete, big & heavy, seems to have a paper recorder in it .....	30
Gilfillan 3-dialer, WT, w/meter, vg .....	85
Gloritone 5T peaked tombstone, g .....	95
GM Buick transistor car radio .....	10
Goodyear wood table, 3 knobs, g .....	50
GR wavemeter set, in wood box, complete .....	30
Grebe CR-8, NT, vg .....	525
Grebe empty oak case, maybe for a CR-9? .....	120
Grebe RORK, NT .....	550
Grundig 81U small white table .....	20
Grundig 2440, g .....	5
Grundig 5060 table set, g .....	45
Grundig Zauber Klang Type 5060 .....	45
Guild "Town Crier," g .....	55
Hallcrafters S-38D, gray color .....	30
Hallcrafters S-40B, knobs wrong, g .....	30
Hallcrafters S-85, g .....	75
Hallcrafters Super Sky rider, g .....	75
Hallcrafters Super Sky rider, p .....	15
Hallcrafters TW-1000, vg .....	65
Hammarlund HQ-145, w/clock, vg .....	150
Hammarlund Super Pro .....	5
Heathkit 14-watt amp, NT or case .....	5
Heathkit decade capacitor, (2) .....	5
Heathkit preamp .....	30
Heathkit SB-630 station monitor, g .....	65
Heathkit transistor tester .....	15
Heathkit tube tester, tan case .....	55
Heathkit W5M power amp, g .....	105
HFL (High Frequency Labs) Nine-In-Line battery superhet, NT, no cabinet, g .....	70



A broad selection of radios in plastic cabinets.



Another view of some of the battery sets and speakers included in the auction. Although the Atwater Kent Model 10 breadboard in the foreground brought \$850, the high flyer at the auction was the unusual Atwater Kent Model 5A, upper left, that brought \$2,300. Below are photos comparing the Model 5A with a standard Model 20.



Note the construction of the Model 5A lid that is similar to that employed in the AK breadboards. A mortise and tenon joint is used to attach the end pieces. The grain of the end pieces is perpendicular to the grain of the main top board.



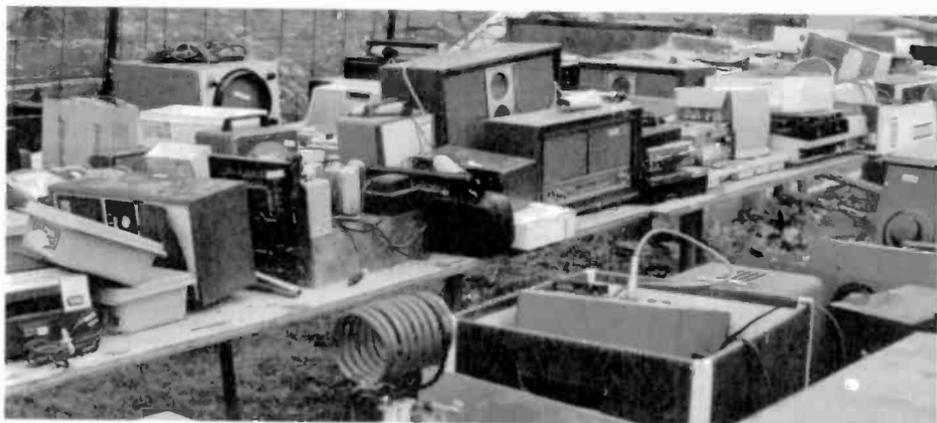
Comparison of a standard Atwater Kent Model 20 tag, above, with that of the Model 5A, below. Note the Model 5A tag specifies the tube functions: "2 RADIO - DET. - 2 AUDIO."

Hickock "Cardmatic" suitcase tube tester, vg ...	185
Hickock 533 suitcase tube tester, vg .....	125
Home-brew crystal set, dual slide tuner, w/double crystal .....	65
Home-brew crystal set, small, (3) .....	30, 40, 65
Home-brew crystal set, w/slide tuner .....	35
Kaiser 1645, vg .....	65
Kellogg highboy console, w/RFL chassis & PS, complete, WT (401s), vg .....	65
Knight "Ocean Hopper" .....	45
Korting stereo, 1950s set, W(2)T (eye), vg .....	115
Loewe Opta Luna stereo .....	45
Loewe Opta Meteor 3781W, vg .....	65

(Continued on following page)



Note the much larger, breadboard sized, RF coils on the Model 5A, below, vs. those of a Model 20, above.



Some of the "low-end" items and box lots that were sold prior to the main auction. Test equipment seems to appear often in the low-end category.

Estes Auction, (continued)

Loewe Opta small table set .....	25
Magnavox R3 horn, g driver, g .....	125
Majestic 70 highboy console, g .....	20
Majestic 963 tombstone, w/chrome trim .....	125
Mantle speaker, wood case, g driver .....	35
Meridian very small cone speaker or microphone ..	10
Meter, old wood case type .....	10
Military, ARC-5 BC-454 receiver .....	15
Military, ARC-5 MD-7 modulator, w/dynamotor ....	40
Military, ARC-5 T-23 UHF transformer .....	25
Military, I-177B metal-case tube tester, g .....	125
Military, LM frequency meter, w/HB, PS & paper ..	10
Military, TG-34A telegraph keyer tape reader, g ...	30
Mirrortone white plastic, w/red knobs, w/hairline ..	20
Motorola 1950s clock radio, w/box, vg .....	85
Motorola Pixie transistor radio .....	55
Motorola wood table, w/top dial, no back, vg ...	210
Music Master horn speaker, g driver, g .....	145
National HRO coll sets, (2) .....	20
National NC-125, w/speaker .....	125
National SBU 597 power supply, rack mount ....	25
National speaker, rack mount .....	80
National SW-3, NT, parts set .....	50
Normende Tannhauser .....	50
Novak 605 European set, rare, g .....	95
Packard Bell wood table, 4 knobs, p .....	45
Pandora crystal set, green metal .....	135
Pathé 3-dialer .....	25
Philco 20 cathedral, missing one knob, g .....	95
Philco 37-610 tombstone, g+ .....	80

Philco 37-620 console, (2) .....	10, 10
Philco 37-650 tombstone, f+ .....	85
Philco 37-84 cathedral, (2), g .....	45, 50
Philco 41-265 console, g .....	10
Philco 44 cathedral, g .....	145
Philco 51 mantel clock radio .....	310
Philco 60 cathedral, 4 knobs, g .....	55
Philco 70 highboy console .....	30
Philco 71 cathedral, g .....	150
Philco 89 cathedral, 4 knobs, (2), g .....	65, 105
Philco 118 cathedral, 4 knobs, vg .....	65
Philco 610 console .....	30
Philco 610 tombstone, (2), g .....	35, 75
Philco 625 tombstone, no knobs, p .....	10
Philco 640 restored tombstone, vg .....	105
Philco Jr., restored cathedral .....	55
Philco Predicta table TV, good CRT .....	65
Philco tombstone, w/Type 60 chassis, 4 knobs, g	45
Phillips hi-fi amp, vg .....	35
Phillips, bi-amplifier, large table set, vg .....	40
Philmore headset .....	5
Pilot integrated stereo amp .....	50
Pinkerton Pink-A-Tone crystal set, w/headset and repro paper, vg .....	700
Plexiglass-cased radio .....	55
Postal Telegraph wall call switch .....	15
Precision signal tracer, g .....	5
RCA "Golden Throat" radio, g .....	10
RCA 5T1 tombstone, 3 knobs, vg .....	45
RCA 45 rpm radio/phonograph, brown plastic .....	65
RCA 45 rpm, radio/phonograph, Bakelite .....	50



Another view of the "low value" pile.



Some of the Ham gear offered in the auction: An RM-E-45 in the foreground and a Hammarlund HQ-145 in the rear.

RCA 103 tapestry speaker, g driver, no back, g ...	95
RCA 115 wood table, very pretty .....	175
RCA B6B3 tombstone, 3 knobs, glass cracked, g ..	50
RCA B814 tombstone, 5 knobs, g .....	85
RCA R-7 tombstone, 3 knobs, g .....	95
RCA R-8 tombstone, vg .....	150
RCA Radiola 17, WT, no hood, g .....	30
RCA Radiola 18, W(1)T, no hood .....	15
RCA Radiola 20, NT, g .....	55
RCA Radiola 100 drum speaker .....	10
RCA Radiola III, NT .....	75
RCA Radiola III-A, NT .....	105
RCA Radiola III-A, WT (864 or 30) .....	150
RCA Radiola tapestry, floor-mount speaker .....	40
RCA T8-18 tombstone, 4 knobs, WT (eye), g ....	70
RME-45, w/speaker & VHF unit, no bottom plate, vg .....	175
Rogers organ speakers, w/EV speakers & amps, large .....	50
Rola horn, g driver, g .....	75
Saba Freudenstadt 15M stereo, vg .....	105
Saba hybrid Villington DeLux, vg .....	45
Saba Meersburg table radio, vg .....	125
Scott 310 radio/phono console, blond, g .....	30
Scott Phantom AM/FM console, complete, needs wk .....	400
Scott stereo power amp, NT .....	225
Sentinel tombstone farm set, g .....	30
Setchel-Carlson 14" metal table TV & rabbit ears ..	20
Shepco all wave tuner, vg .....	375
Shure 55S microphone, w/floor stand .....	115
Siemens "People's Radio," black, 3 knobs, g ..	400



This rack-mounted Ham gear appears to be a well executed home brew.

Siemens H64, 1950s, AM/FM, vg .....	45
Signal telegraph key .....	20
Silver-Marshall 660 power pack, g .....	30
Silvertone 1005 tombstone, missing 2 knobs, g ..	45
Silvertone 2511 large tombstone farm set, w/correct CV-48 AC supply, missing knobs ...	30
Snyder horn speaker, g driver, chip in bell, f .....	35
Sparton Bluebird, small green color, reproduction ..	35
Sparton Jr. 400 series tombstone, g .....	150
Speaker cabinet, 3' x 2', nice Deco design, g ....	35
Speaker table, w/modern speaker & matching transformer, g .....	35
Steinlite headset .....	5
Sterling cathedral, 2 knobs, g .....	125
Sterling tube rejuvenator .....	15
Stewart-Warner "dancing girls" drum speaker, g ..	250
Stewart-Warner R119A table set, super, vg .....	175
Stromberg-Carlson 9 tube, ornate wood table, needs grille cloth .....	165
Stromberg-Carlson 336E chairside radio/phono, g ..	10
Supreme wood -case tube tester & analyzer, not complete .....	25
Telefunken Jubilee small table radio, vg .....	45
Telegraph key & buzzer on wood base .....	50
Telephone crank box & ringer .....	20
Teletone brown plastic, w/hairline .....	5
Thermatron miniature cone speaker, 5" dia. ....	25
Triplett suitcase tube tester, w/paper, g .....	65
Truetime peaked tombstone, vg .....	75

(Continued on following page)



For the budget minded Ham: As noted in the text, this Hallicrafters SX-28 sold for \$1. Although rusted badly and with a wrong S-meter, it did have original knobs.



This "boat anchor" looks as if it was really used as a boat anchor. A Hammarlund Super Pro, it sold for \$5.



This Zenith Model 9S365 console, in need of knobs and push buttons, sold for \$300.

*Estes Auction, continued)*

Utah cone speaker, ornate, case only, g .....	45
Variac in case, about 10+ amps .....	20
Victor Lumiere #1 cone speaker, g driver, g .....	75
Voice of Music wall speakers, (2) .....	55
Walton Radio Corp. wood table, (Ann Arbor, MI) .....	55
WE headset .....	15
WE large double cone speaker, g driver, g .....	155
WE small cone speaker, g driver, needs paper cones .....	65
Westinghouse Aeriola Jr., w/headset, g .....	225
Westinghouse Aeriola Sr. model for larger tubes, f-p .....	35
Westinghouse "refrigerator" radio, g .....	35
Zenith 3R empty case only .....	25
Zenith 5F134 big dial farm set, converted to AC, 4 knobs, g .....	95
Zenith 6S229 tombstone, g .....	225
Zenith 6S229 tombstone, parts set, no knobs or speaker, p .....	40
Zenith 7S633 wood table, vg .....	145
Zenith 8S661 restored console, needs dial glass, vg .....	55
Zenith 9S365 unusual console, g .....	300
Zenith 9S367 console, g .....	75
Zenith 12S267 shutter dial console, plays well, complete .....	550
Zenith 12S568 console, wk .....	115
Zenith 288 tombstone, 6 knobs, vg .....	400
Zenith 705 wood table, g .....	85
Zenith Trans-Oceanic, vg .....	75

**Paper and advertising:**

Bunis, <i>Collectors Guide to Antique Radios</i> , 3rd ed., soft .....	10
<i>Machine Age to Jet Age</i> .....	10
Marlboro advertising plastic cigarette package, radio-shaped, 14" tall, g .....	300
Picture, 6 x 10 pin-up with radio, (2) .....	27
<i>Radio Applications for Amateur Use</i> , 1921, RCA orig. ....	55
<i>Radio Retailing</i> , 1930, (2) .....	5, 10
RCA "meatball" metal emblems, (20±) .....	15
Rider, <i>Aligning Philco Receivers &amp; one other</i> ....	15
Rider, <i>Perpetual Troubleshooter's Manual</i> , 1-22, some in sleeves .....	135
Sparton sign, small .....	5



A rear view of a E.H. Scott Phantom shows lots of dust and chrome. Complete but in need of work, it sold for \$400.

Stewart-Wamer sign, "TV & Radio," illuminated hanging, vg .....	75
Sylvania desk sign, illuminated, 8" x 10" .....	30
Victor advertising fan, paper .....	55
<i>Wireless Age</i> , 1919 .....	20
<i>Wireless Age</i> , 1920s, (4) .....	20
<i>Wireless Age</i> , Nov. & Jan. 1919, g .....	25

**Parts:**

Crystal set material, cigar box full .....	25
DeForest honeycomb coils, (6), (9), (15)...	35, 30, 80
DeForest type coils, (8) .....	10
Dial belts, 3 boxes N.O.S. ....	30
Escutcheons, box .....	5
Kennedy audio transformer .....	85
Scott tube shields, set .....	20
Speaker drivers, assorted, box .....	50
Telephone & magreto parts, bells, etc., box .....	45
Telephone mouthpieces, box .....	55
Tuning caps, box .....	15

**Phonographs:**

45 rpm records, case, (100±) .....	5
Busy Bee cylinder record, in case .....	10
Cases for cylinder, empty, records, flat .....	15
Columbia 6" cylinder, in case .....	35
Cylinder records, (6), (12) .....	70, 60
Cylinders, in cases, (12) .....	20
Cylinders, most in cases, (14) .....	40
Diamond disc records, (20) .....	25
Edison (11) & Columbia (1) cylinders .....	20
Edison Amberola cylinders, in cases, (27) .....	45
Edison Amberola cylinders, in cases, blue, (24), (24), (24) .....	45, 55, 55
Edison cylinders, blue, (24) .....	65
Edison cylinders, in cases, (21) .....	80
Edison GEM, w/horn, wk & complete, vg .....	650

Edison Home cylinder player, complete w/2 reproducers .....	450
Electro-Voice tabletop needle display, vg .....	100
Fiber needle cutter & needles .....	30
Grey Research turntable, heavy, g .....	65
Jewel needle for Edison records, in tin .....	20
Needle cutter for fiber needles, in case .....	50
Needle tin, small .....	15
Presto record cutter .....	15
RCA cactus needles, 2-pack .....	20
Vogue picture radio, (5) .....	35, 35, 40, 40, 50

#### Tubes:

01-A, BB, tested g, (5) .....	\$75
01-A, BB, TT, (4) .....	35
01-A, BB, TT, GF, (2) .....	30
01-A, BB, TT, tested, (3) .....	75
01-A, golden, tested, (2) .....	65
6E5 (2) .....	10
6L6 metal, tested, (4) .....	10
6L6G, (3) .....	30
6V6, (4) .....	10
12A, in box, tested, (2) .....	10
45, ST, tested, (2) .....	35
46, globe, tested, (2) .....	15
80, blue, globe, gf .....	30
81, globe, (3), plus (1) ST .....	5
112A, globe, (2) .....	25
199, (1) N.O.S., in box, (3) .....	35
199, BB, TT, (2) .....	20
201-A, in box, (2) .....	25
245, globe, in box, tests .....	45
304TL, in box .....	20
342C, gf .....	110
845, transmitter, BB .....	160
851, big .....	25, 60
861 transmitter, large, gf .....	60
861, gf, large .....	25
Airline 01-A, gold, in box, (2) .....	45
Brighton, blue, gf .....	20
Cunningham 01-A, in box, tested, (6) .....	75
Cunningham 71A, in box, (4) .....	55
Cunningham 300 & RCA 200, gf, BB, TT .....	45
Cunningham 301, rainbow, BB, TT, gf .....	45
Cunningham 330, gf, in box, (2) .....	15
Cunningham 345, globe, tested, (2) .....	55
Cunningham CX-12, gf .....	10
Cunningham CX-12, N.I.B., (2) .....	85
DeForest 01-A .....	10
DeForest 01-A, g labels, TT, (2) .....	35
DeForest 45, globe, gf, in box, (2) .....	175
DL-2, gf & label .....	40
DV-2, gf .....	45
DV-2, w/nickel base .....	20
DV-5, gf & label .....	30
Eimac 4-1000 .....	40
GE UV-99, BB, gf, (2) .....	25
German tubes, (30) .....	25
Hytron 801, (2) .....	10
Magnetron, (2) .....	10, 15
Magnetron, N.O.S., (2), (2), (2) .....	15, 25, 30
Perryman mesh plate 245, in box, tested .....	195
Radiotron WD-11, BB, TT, (3) .....	100
Raytheon magnetron .....	10
RCA & Kenrad 171A, gf, (2) .....	20
RCA 01-A, gold .....	10
RCA 4-1000A, in box .....	45
RCA 6U5 .....	5



*For collectors whose interests extend beyond the US borders, a variety of European radios awaited.*

RCA WD-11, Bakelite, gf, (2) .....	70
Rovun X12, (2) .....	45
Sparton 401A, (2) .....	20
Sparton 485 & 484 .....	6
Sylvania 10, ST, white base .....	30
Sylvania 10Y/VT-25, ST, (3) .....	50
Sylvania 201A, gf, (3) & (1) 200 .....	35
Sylvania 210, white base, in box .....	55
TB-1, 3-pin .....	15
Tung Sol 2A3, in box .....	50
UV-99, rainbow, BB, TT, gf .....	25
UV-201 & UV-200, BB, TT .....	25
UV-201, gf, BB, TT, (3) .....	45
UV-201A, BB, TT, gf, (2) .....	65
UV-201A, BB, TT, tested, (3) .....	65
UV-202, rainbow, (1) g. & (1) f .....	80
UV-99, gf, (4) .....	40
UV-99, gf, (5) & (1) UX .....	35
UV-99, gf, in box, (3) .....	30
UX-171A, tested .....	10
Volutron, tested, BB .....	30
VT-25, WE surplus, in box, (2) .....	70
VT-25A, (2) .....	25
WD-12, gf .....	10
WE 101F, gf .....	70
WE 101F, tested .....	95
WE 212E, gf .....	175
WE 215A, (2) .....	35
WE 215A, gf, no box .....	10
WE 216A, gf .....	130
WE 216A, gf, (2) .....	140
WE 216E, gf .....	50
WE 276A, gf .....	25
WE magnetron, N.O.S., (2) .....	12, 25
WE VT-1, (2) .....	85
WE VT-1, (1) gf, (3) .....	35, 135
WE VT-1, gf, in box .....	95
WE VT-2, (2), (1) w/broken arbor .....	115
WX-12, gf, (2) .....	20

*(Ray Chase, 1350 Marlborough Ave., Plainfield, NJ 07060; Estes Auctions, 7404 Ryan Rd., Medina, OH 44256; (888) 769-4992; estesauctions@aol.com)*

*Ray Chase has been a radio enthusiast and a collector of many types of radios for years. Currently, he specializes in World War II electronics equipment, as well as early battery superheterodynes. He also has an extensive collection of radio documentation and ephemera.*



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**PUBLISHING RIGHTS.** Unless other arrangements are made: (1) All received materials (ads, articles, letters, correspondence, e-mail, photos, artwork, etc.) become the property of A.R.C., may be edited, combined with other material, published, and will not be returned. (2) For all received materials, A.R.C. is granted publishing and reprint rights in all forms of media including the monthly printed magazine, internet, etc. (3) Publication is subject to approval by A.R.C. and to time and space constraints.

**MAILING OF ISSUES.** U.S. subscribers can receive A.R.C. by First Class or Periodicals mail (Periodicals is the way most magazines are mailed). The mailing of First Class copies is staggered with faraway copies mailed before local copies. Non-U.S. copies are mailed on the first day. Periodicals copies are mailed on the last day. Mailing dates change each month, but mailing is usually completed by the 27th of the month. First Class copies usually are received by the 5th of the month; copies by Periodicals mail, by the 10th.

**ETHICS.** No person involved in the production of A.R.C. is to act on any information in the magazine until the first delivery day after local copies are mailed.

**DISCLAIMER.** The publisher is not responsible for any buying and selling transactions incurred, or for any other use of the contents of this publication.

Antique Radio Classified subscription rates, frequency of publication, content, policies, size and ad details, and rates are subject to change at any time by A.R.C.

## DISPLAY AND BUSINESS CARD ADS • DETAILS AND RATES

*The deadline is the first of the month for display and business card ad artwork, payment and repeat requests.*

Advertising is accepted only for early items related to radio, communication, etc. All items must be described fairly; reproductions, reprints and not-original items must be so identified. Advertisers must agree to respond promptly to inquiries and orders, to resolve problems promptly if the buyer is not satisfied, and to comply with a buyer's refund request on unaltered returned items.

Advertising must be prepaid, except as noted below; see "Payment" paragraph above for details. Late ads will be run only if space and time permit. Originals must be the artwork size listed below. Send all artwork on disk or ask us to typeset it for you. Do not send in artwork on art board or send negatives. Please call for instructions on how to send your electronic ad. If used, reverse type must be limited to 25% of the ad. If you want us to prepare your ad, include the one-time cost below for A.R.C. to make up the ad.

Add \$16.00 per photo for screening unless part of an existing electronic ad. Do not cut or trim photos or glue photos to artwork; submit separately.

If you are confused by these requirements and terms, please

Page	ARTWORK SIZE (SEND IN THIS SIZE)		As Printed (size in magazine)	
	H x W (inches)	H x W (inches)	H x W (inches)	H x W (inches)
Full	7 3/4 x 4 3/4	7 3/4 x 4 3/4	7 3/4 x 4 3/4	7 3/4 x 4 3/4
1/2 H	3 5/16 x 4 3/4	3 5/16 x 4 3/4	3 5/16 x 4 3/4	3 5/16 x 4 3/4
1/2 V	7 3/4 x 2 1/4	7 3/4 x 2 1/4	7 3/4 x 2 1/4	7 3/4 x 2 1/4
1/4	3 5/16 x 2 1/4	3 5/16 x 2 1/4	3 5/16 x 2 1/4	3 5/16 x 2 1/4
1/8	1 5/8 x 2 1/4	1 5/8 x 2 1/4	1 5/8 x 2 1/4	1 5/8 x 2 1/4
Business Card (1st)	2 x 3 3/4	1 1/4 x 2 3/8	1 1/4 x 2 3/8	1 1/4 x 2 3/8
Business Card (2nd....)	2 x 3 3/4	1 1/4 x 2 3/8	1 1/4 x 2 3/8	1 1/4 x 2 3/8

contact A.R.C. before beginning to prepare your ad. We will be happy to advise you on your ad ideas, estimate how much the ad will cost, recommend an ad size, etc.

We assume that advertisers want all ads which are submitted to run without delay; therefore, we will run the ad and bill for any additional work required for the ad to meet these specifications. A late ad will run beginning with the next month. "Tear sheets" will be sent only for 1/16-page or larger ads and only if requested when the ad is submitted.

First business card per advertiser is at lower rate.

The 3-month rates represent about an 11% discount, the 6-month rates 23%, the 12-month rates 30%. Placement requests: add 15% but call first. Clubs: write for discount policy.

	Cost for 1-month	Cost for 3-months	Cost for 6-months	Cost for 12-months	One Time to make up Ad
Full	\$289.00	\$769.00	\$1329.00*	\$2325.00**	\$69.00†
1/2 H	146.00	389.00	675.00*	1175.00**	37.00†
1/2 V	146.00	389.00	675.00*	1175.00**	37.00†
1/4	74.00	197.00	342.00	595.00	19.00†
1/8	38.00	101.00	177.00	305.00	9.00†
Business Card (1st)	not avail.	53.00	90.00	159.00	7.00†
Business Card (2nd....)	not avail.	68.00	118.00	205.00	7.00†

\* Full & 1/2 page, 6-mos.; 1/2 due with order; 1/2 due in 3 mos. \*\* Full & 1/2 page, 12-mos.; 1/4 due with order; 1/4 due at 3, 6 & 9 mos.  
† For 6 and 12 month ads, no ad make-up charge if no change is made to ad for entire run.

E-mail: [arc@antiqueradio.com](mailto:arc@antiqueradio.com)

Web: [www.antiqueradio.com](http://www.antiqueradio.com)



# A.R.C. RATES & POLICIES



## CLASSIFIED ADS • DETAILS AND RATES

**ONE FREE 20-WORD AD** for subscribers in each issue; additional words are 29¢ each. See details below. Classified ads sent by mail, fax, e-mail or by any other method must be received (not just postmarked!) by Noon Eastern Time on the classified ad deadline date to guarantee inclusion in the current issue. Late ads are held for the following issue. Please enclose correct payment with all ads. Cash is OK for small amounts. (Canadian and other foreign advertisers, please see "Payment" on opposite page for methods.) "Free words" cannot be accumulated from month to month; free words must be requested when ad is submitted.

**Faxed & e-mailed ads:** Please see additional information on opposite page.

When including ads with other A.R.C. correspondence, write the ads on a separate piece of paper. Include SUB# with ad. Ads may be sent in advance; but, write each ad on a separate piece of paper and indicate the month (or successive months up to your subscription expiration; 12-months, maximum) you want the ad to run.

To minimize our typing errors: Please write legibly. Use both capital and small letters. Do not use a dash between words. Carefully write the following numbers and letters (especially in model numbers) since some can look alike; for example 1, l and I (the number one, the capital i and the small L.) Also: 0, O, o, Q and D; v, r, a 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 we might mistake as a more common word or manufacturer, note it so that we do not "correct" it. Editor's annotations are in [brackets] in ads.

Advertising is accepted only for early items related to radio, communication, etc. All items must be described fairly; reproductions, reprints and not-original items must be so identified. Advertisers must agree to respond promptly to inquiries and orders, to resolve problems promptly if the buyer is not satisfied, and to comply with a buyer's refund request on unaltered returned items.

Classified ads must have a standard heading such as WANTED, FOR SALE, FOR TRADE, FOR SALE/TRADE, SERVICES, MESSAGE, HELP, AUCTION, MEET, FREE. This heading is the only bold or all-capitalized words allowed in the ad. Capitalize only manufacturer names, model names, etc. This standard ad format makes scanning the ads easier.

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. Full name (or company name) and address is required in all classified ads; we will add it if you forget.

The publisher reserves the right to edit ads without notification to the advertiser and to reject ads for any reason. Names other than the advertiser will be edited out of ads. Ads with non-radio-related items will be returned or edited unless the non-radio-related items are for trade of radio-related items, or they are incidental to and appear at the end of an otherwise acceptable ad. The publisher is not responsible for errors due to illegibly written ads or for any other reason. See also Publishing Rights on opposite page.

Clubs: Since club activities receive free coverage on the *Coming Radio Events* pages, the free 20 words may not be used for club activity ads. A discount on display advertising is available for clubs.

### Classified Ad Rates per Month

**Deadline: NOON ET- 10th of the month!**

#### Subscribers:

- First 20 words: **FREE\***
- 29¢ per word for extra words over 20 **plus**
- 10¢ per word for a shaded ad (count all words including free words).
- \* Subscribers may take 20 free words on only one ad each month.

#### Non-Subscribers:

- 47¢ per word **plus**
- 10¢ per word for shaded ad.

Please do not forget to send in the extra 29¢ 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.

### PHOTO & DRAWING DETAILS

**Deadline: 1st of the month**

**for all ads with drawings or photos!**

Drawings and photos are encouraged as the response to your ad is much larger and the reader knows better what you want or are selling. Send in your drawing or photograph, and A.R.C. will reduce it or enlarge it as needed.

#### Photo and Drawing Rates per Month

\$23.00 per month for each photo or drawing  
(If ad is canceled, this amount cannot always be refunded.)

### CHANGES & CANCELLATIONS

Please check your ads carefully before sending them in. Once ads are received, it is not always possible to refund the amount sent, pull the ad or make changes.

### IMPORTANT — COUNTING WORDS — IMPORTANT

The standard headings: WANTED, FOR SALE, etc., count as one word each time used in an ad. Name, address and (one) 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. Full name (or company name) and address is required in all classified ads. Each additional word, abbreviation, model number or number group, extra telephone numbers, fax, e-mail, etc. count as one word each. Hyphenated words count as two words.



**FOR SALE:** We have many rare collector tubes in stock including several British types. See [www.fathauer.com](http://www.fathauer.com) or e-mail [tubes@qwest.net](mailto:tubes@qwest.net) for lists. George H. Fathauer & Assoc., 123 N. Centennial Way, Ste. 105, Mesa, AZ 85201. Call toll free (877) 307-1414

**FOR SALE:** Reproduction radio dial belts for radios of the 1930s and 40s. Made of durable non-slip 1/8 inch round polyurethane. Ready for installation, no cutting/gluing. Available for all makes and models. Complete details at [www.Adamsradio.com](http://www.Adamsradio.com). Adams Manufacturing Company, PO Box 1005, Lincoln Park, MI 48146

**FOR SALE/TRADE:** Consider mere paper dollars! Perfect cosmetics & working department. Colin Kennedy Bakelite headset for 110/220 radios; Western Electric 182W Shawphone; Presto K8 pro disc recorder/phone, Presto cutter head, Audax playback arm; Presto 6N 16" turntable, w/16" Audax transcription arm, has lathe, stylus microscope, lathe needs work; unusual Magnavox R3B w/mahogany base; gold Magnavox M4; Bristol Model J, chocolate Bakelite horn; Collins 12 Z mixer, no cover; three 833A transmitting tubes, test new; National NC 100X, Deco face, 1936, page 238 F.O.S., AM & shortwave to 30 megacycles, tuning eye model, very cool looking; National RCH, rare communications receiver, rackmount, like NC 101 w/200-400 kc band & 1.7-30 mc; Federal #65, 66, AFTs; Federal #32, #30 RFT. Pictures on request. **WANTED:** WWI sets: IP 500, 501, 501A, BC 131, SE 1420; early supers; Kennedy 110/220; WW II spy radios, nav gear, RDF, DZ 1 & 2, DU 1 & 2, other VLF boat anchors; National HROs, 5A1, 7, 60, various models, all coils; Johnson SSB unit, 240-305-2 for Viking Valiant, other SSB exciters; Johnson xmtr SW 250-39, Johnson Matchbox. Always looking for: Vintage broadcast mics; tube pre's; compressors; amps. See you at Rochester! Ward Kremer, 1179 Petunia Rd., Newport, TN 37821. Ph/fax: (423) 625-1994. E-mail: [witzend99@bellsouth.net](mailto:witzend99@bellsouth.net). Website: <http://www.radioattic.com/kremer>

**FOR SALE:** B&K Model 960 transistor radio analyst, complete with manual and in excellent condition - \$75 plus shipping. John Snow, 1910 Remington Ct., Andover, KS 67002. (316) 733-1856

**FOR SALE:** Emerson/Ingraham, Model unknown, gorgeous, electronically restored - \$90 + shipping. E-mail [pix](mailto:pix). Jeff Ross, 170 Route 31, Flemington, NJ 08822. (908) 782-3121. E-mail: [njradiodoctor@yahoo.com](mailto:njradiodoctor@yahoo.com)

**FOR SALE:** Colin B. Kennedy V, missing part of cabinet - \$250 or will buy your cabinet. Ernie Nagy, PO Box 822, Elk Rapids, MI 49629. (231) 264-9412. E-mail: [elnagy1599@webtv.net](mailto:elnagy1599@webtv.net)

**FOR SALE:** Antique radio schematics still only - \$3 ppd. Joseph R. Forth, 119 Long Vue Acres Rd., Wheeling, WV 26003. (304) 277-3154. E-mail: [wa2trt@1st.net](mailto:wa2trt@1st.net)

**FOR SALE:** Radiola 60 - Make an Offer! Jon Golden, PO Box 715, Carlisle, MA 01741. (978) 371-5557. E-mail: [jon@make3dimages.com](mailto:jon@make3dimages.com)

**FOR SALE:** Radiobar Philco 505 radio, OK for restoration, speaker requires reconing, missing glassware, knobs, tubes present, untested. Pick-up required. Call for more info - \$400. Stephen L. Bonino, 107 Georgetown Rd., Glassboro, NJ 08028. (856) 881-0244

**FOR SALE:** Kennedy 66B chassis, Philco 82 chassis and speaker. John Zima, 1360 Reed Rd., Churchville, NY 14428. (585) 293-3023. E-mail: [jfz\\_rhy@yahoo.com](mailto:jfz_rhy@yahoo.com)

.....  
**A.R.C. Advertising Policy**  
**Sellers and Buyers, Please Note!**  
 • Advertising is accepted only for early items  
 • related to radio, communication, etc. All  
 • items must be described fairly; reproductions,  
 • reprints and not-original items must be  
 • so identified. Advertisers must agree to re-  
 • spond promptly to inquiries and orders, to  
 • resolve problems promptly if the buyer is not  
 • satisfied, and to comply with a buyer's  
 • refund request on unaltered returned items.  
 .....

**FOR SALE:** Merit Coils & Transformers-Technicians Handbook, Radio & TV, normal 8 by 11, 1963 - \$10. Heathkit Assy manual for Monophonic-stereo tuner Mod A J-30, 1960, 62 pp. - \$10. Vacuum tube voltmeter Mod V-7A w/ charts & prints - \$10. Kolster 6J w/ tubes clean - \$110. Freed-Eisemann M. FE 15 w/tubes clean case - \$110. Delco M-R-1229, 1947, nice case plays, stg rcvr - \$50. Note: for the collector, found the Japanese (balloon) weather radio. Bernie Samek, 113 Old Palmer Rd., Brimfield, MA 01010. (413) 245-7174. E-mail: [bernis@samnet.net](mailto:bernis@samnet.net)

**FOR SALE:** AK 55 chassis - \$40 plus shipping. Claude Chafin, 4223 E. 42nd Way, Independence, MO 64055. (816) 478-3391

**FOR SALE:** Radio collection from 30s - 50s. Some work, some fixer upers. Riders 1-19, parts. Bob Kurzawa, 1608 Stonehurst Rd., Raleigh, NC 27607. (919) 859-0924. E-mail: [kurzawa@mindspring.com](mailto:kurzawa@mindspring.com)

**FOR SALE:** Brand new, greatly expanded full-line 84 page catalog available June 1st! If you are a customer or are on our mailing list, you will receive one in the mail. If not, contact us - free to anywhere in the U.S! Radio Daze, LLC, 7620 Omnitech Pl., Victor, NY 14564. (585) 742-2020. Fax: (800) 456-6494. E-mail: [info@radiodaze.com](mailto:info@radiodaze.com). Web: [www.radiodaze.com](http://www.radiodaze.com)

**FOR SALE:** KLH R/R #24 and rcvr #21. Also many German radios. H. Felder, 7517 Granada Dr., Bethesda, MD 20817-6603. (301) 320-3028. E-mail: [radioK3RPY@aol.com](mailto:radioK3RPY@aol.com)

**WANTED:** Top prices paid for globe shape and collector tubes, new or used. Send for buy list or send your list for offers. Write or e-mail: tubes@qwest.net. See [www.fathauer.com](http://www.fathauer.com) for tubes for sale. George H. Fathauer & Assoc., 123 N. Centennial Way, Ste. 105, Mesa, AZ 85201. (480) 968-7686 or toll free (877) 307-1414



**WANTED:** Motorola Catalins #'s 50XC, 51X15, and 52, as complete or "parts" sets. I am a very serious collector seriously looking for serious stuff (leaving all kidding aside, of course)! Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

**WANTED:** Schematics manuals info, submarine loop antenna couplers Amphenol Borg CU-352A/BRR & Spears Associates CU-2065/BRR. Harry A. Weber, 4845 W. 107th St., Oak Lawn, IL 60453-5252

**WANTED:** Jackson Brothers ball drive dial. **FOR SALE:** Portacab cabinet, 8 1/2 x 12 x 9, BUD #WA-1541 - \$20 ppd. Louis L. D'Antuono, WA2CBZ, 8802 Ridge Blvd., Brooklyn, NY 11209. (718) 748-9612

**WANTED:** Philco Model 16B tombstone - project radio. Please contact Gary or Jim Martin, 1427 Buena Vista Blvd. SE, Roanoke, VA 24013. (540) 397-3644

**WANTED:** Metal nameplate for R520A/URR Zenith Trans-Oceanic radio, with contract number, collapsible antenna, and one black push-button knob, for restoration. Bill Burg, 2058 16th St., Oroville, CA 95965-3131. (530) 534-6826. E-mail: K6MSX@comcast.net

**WANTED:** Tube setup chart, schematic, operating instructions for EMC Model 208 tube tester. Doug Fox, 603 S. 12th Ave., St. Charles, IL 60174. (630) 584-5915. E-mail: dfoxradio@aol.com

**WANTED:** McIntosh MI350/MC3500 amplifier. Broadcast Microphones, RCA, Altec Lansing, Western Electric. Sean Brady, 3202 N. Manor Dr. W, Phoenix, AZ 85014. (602) 284-7000. E-mail: rosemanor@cox.net

**WANTED:** On/off volume switch for Zenith 7000-1 Trans-Oceanic chassis 182T40. Contact: Armando Nunez, 46C Argyle Rd., Drexel Hill, PA 19026. E-mail: zenithtransoceanic@yahoo.com

### Classified Ad Deadline Noon

Aug. 10 for Sept. 2006 Issue  
Sept. 10 for Oct. 2006 Issue

Photo & Display Ads - 1st

**WANTED:** AK 92 chassis with good power transformer, with or without tubes O.K. James Fisher, RR 1 Box 861, Port Royal, PA 17082. (717) 527-2224. E-mail: yrless@triconuity.net

**WANTED:** Your N.O.S. vacuum tubes. We are always buying tubes in quantity. Send us your list, we will promptly quote. Radio Daze, LLC, 7620 Omnitech Pl., Victor, NY 14564. (585) 742-2020. Fax: (800) 456-6494. E-mail: info@radiodaze.com. Web: [www.radiodaze.com](http://www.radiodaze.com)

**WANTED:** Air Champ/Philmore kit radios and Knight DX'er. Larry Daniel, 3112 Seton Hill Dr., Bellbrook, OH 45305. (937) 848-8892. E-mail: LDaniel102@aol.com

**WANTED:** Hi-fi/commercial speakers: Altec, Electro-Voice, JBL, Jensen, Goodmans, Tannoy, Stephens, Western Electric, working or not. Sonny Goldson, 520 Pochontas Dr., Ft. Walton Beach, FL 32547. (850) 314-0321. Fax: 0824. E-mail: sonnysound@aol.com

**WANTED:** Broadcast microphones. Early carbon, condenser, ribbons, etc. James Steele, PO Box 610, Kingsland, GA 31548-0620. (912) 729-2242. E-mail: JSteele@k-bay106.com. Microphone collectors website: <http://www.k-bay106.com/mics.htm>

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# Estes Auctions



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Complete Auction & Appraisal Service*

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at the Expo Auction Center  
8157 Garman Rd., Burbank Ohio (Exit 204 off I-71)  
then south on SR #83 to the Duke & Duchess Gas Station, turn left  
onto Garman Rd. and follow to the auction site.

Estes Auctions will hold a sale in November 2006 featuring the last Sparton Nocturne from the legendary Edward Sage collection from Albuquerque, New Mexico. The highlight of the sale will of course be the beautiful blue glass Sparton Nocturne but we will also be selling a Sparton Sleigh in cobalt blue, a Sparton Bluebird, and a Sparton Sleigh in the peach or "old rose" color glass. The date of the sale will be announced in a future issue of *Antique Radio Classified*. This will conclude the collection of Mr. Sage so make your plans to own this beautiful piece of radio history. Call us to consign or add your Deco style radios to this sale.

**Richard Estes, K8LRY - Auctioneer**

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**Medina, Ohio 44256**

**Bob Dobush – Tubes**

**Kim Graca – Tech Support**

**Allan Ferris – Set Up**

**Mark Delauter – Set Up**

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**FREE Parking FREE Admission  
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Local motels:

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Comfort Inn 800-228-5150 (Reading)

Renningers Promotions  
27 Bensinger Drive  
Schuylkill Haven, PA 17972

**FOR SALE:** DeVry Model 34 oscilloscope - \$35. Collectable Weston 502, 10 mA meter, 7" sq. - \$25. Heath CO-2500 assembly manual - \$20. Candlestick T-48 microphone - \$25. 5 pin ceramic tube sockets for 807, 24, 27, etc., N.O.S., 10 pcs - \$20. Terman Radio Engineering - \$20. West Coast Radio Handbook - \$10. TS-15-A telephone handset - \$8. Emerson 572, plastic, recapped - \$25. All plus shipping. Harry M. Books, Jr., W3PSU, 699 Red Mill Rd., Eters, PA 17319. (717) 938-6694

**FOR SALE:** Globe tubes: Type 224 - \$6; 227 - \$9; 235 - \$3; 236 - \$3.50; 484 - \$7; 485 - \$5.50. All are tested and fully guaranteed. Call toll free (877) 307-1414 or e-mail tubes@qwest.net for other low prices. George H. Fathauer, 123 N. Centennial Way, Ste. 105, Mesa, AZ 85201

**FOR SALE:** Complete WW I era SCR 132 communications set-up. This rig is the whole enchilada of WW I comm gear! It's centered around BC 131 a.k.a. SE 1420 regenerative radio. This is the military field version. It uses a BC 138 tuner/pre-selector in to a most interesting gadget, a BC 118 four stage, transformer coupled RF amp/two stage AF amp, using six WE 215 peanut tubes. Also rare BC 104 heterodyne oscillator. All in front of the receiver! The BC 131 is between the RF amp to antenna and receiver out goes to the AF. Performance is awesome! I've logged around the world on MF/NDB and VLF. Also, included are glass bottle B+ batteries, glass rectangular Exide jar for A+, lunch box chargers, meters, dry cell batteries, ARBE III to actually run it on! Also have lit. Info and pictures at our e-mail address. Ward Kremer, 1179 Petunia Rd., Newport, TN 37821. Ph/fax: (423) 625-1994. E-mail: witzend99@bellsouth.net. Website: <http://www.radioattic.com/kremer>

**FOR SALE:** Crestentine 5T with voltmeter - \$80. Westinghouse 12" fan - \$125. Homebrew 4-tube chassis - \$60. Atwater Kent #3 drum speaker - \$75. Aetne #575 tombstone - \$90. 3205 Delco tombstone - \$75. Walt Wrabek, 10750 159 Ave., Menahga, MN 56464

**RATE FOR ADDITIONAL WORDS:**

29¢ per word

**FIRST 20 WORDS FREE!**

*Cash OK for small amounts.*

*Your payment helps to keep A.R.C. healthy!*

**FOR SALE:** Still selling out balance of collection through October. Radios from the 20s through 60s: cathedrals, tombstones, some work, some don't, chairsides (pick up only), Trans-Oceanics, horns, speakers, transistors, novelties, military equipment, instruments, test equipment, books, magazines and catalogs, phonos, etc. Send 2-stamp SASE with your interests. Accepting reasonable BO to move items. Call ahead for appointments. Irene & Robert Stone, 721 Fisk St., Piqua, OH 45356-3729. (937) 773-2217, before 8:30 pm

**FOR SALE:** New U.S. tubes (used in parentheses, test good): (1L6 - \$16); (2A3 \$25); 5U4GB - \$14 (\$7); 5Y3GT - \$8 (\$4); 6V6GT - \$14 (\$7); 6BQ5 - \$16 (\$8); 6F6G - \$18; 6F6GT - \$10 (\$5); 45 - \$60 (\$30); 46 - \$16 (\$8); 47 - \$16 (\$8); 50ST - \$110; 80ST - \$8); 50A1 - \$22; 71A - \$25 (\$16). James R. Lopaz, 5467 S. 975 E, Ogden, UT 84401. (801) 476-1470

**FOR SALE:** JFD Dial Belt Catalog by manufacturer, 34 pp. - \$10 postpaid. John Snow, 1910 Remington Ct., Andover, KS 67002. (316) 733-1856

**FOR SALE/TRADE:** Conar manuals: 201, 211, 212, 214, 223, 224, 230, 250, 280, 311, 312, 320, 400, 500. A.J. Bernard, PO Box 690098, Orlando, FL 32869-0098. (407) 351-5536. E-mail: ni4q@juno.com

— 24th Annual —

**ANTIQUÉ  
RADIO  
SWAP MEET**

Sunday, August 20, 2006  
Seattle, Washington  
9 AM to 1 PM

Shoreline Museum Parking Lot  
N. 175th & Linden Avenue, North Seattle  
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Tune in to the largest vintage radio  
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In August 1979, 500 technologists gathered in Oklahoma City for the first "Satellite Private Terminal Seminar." By 1984, C-Band Direct home dish terminals were being installed at the rate of 75,000 per month. The time has arrived to recognize these "pioneers" during 'Satellite Expo 2007' in Atlanta, Georgia.

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# 45<sup>TH</sup> ANNUAL AWA HISTORICAL RADIO CONFERENCE

Antique Wireless Association, Inc.

Wednesday Night – Saturday, August 23<sup>rd</sup>-26<sup>th</sup>  
(New: Thursday Flea Market Start & Auction on Saturday)

RIT Conference Center (formerly Thruway Marriott )

Rochester (Henrietta), N. Y.

(585) 359-1800 for reservations

Easy access from the New York State Thruway

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Three days of outstanding activities for  
the radio collector and historian

• Note: All activities are open to AWA members only. Please contact the secretary for complete information.

## Conference Theme: Military Radio Conference Activities

### FLEA MARKET:

6 a.m. Thursday — 11 a.m. Saturday

**BOOK FAIR:** Thursday, Friday & Saturday

### AWA MUSEUM AND ANNEX VISITS:

7 p.m. Thursday and 2 p.m. Sunday

### OLD EQUIPMENT CONTEST:

7 Military, 11 Receiver, 2 Amateur, &  
3 Craftsman Categories

### SOCIAL HOUR & AWARDS BANQUET:

Friday 6 p.m.

### TUBE, PAPER AND GENERAL AUCTION:

Saturday, 8:30 a.m.

**LADIES LUNCHEON:** Saturday noon

### KEY AND TELEGRAPH SEMINAR:

T. Perera, G. Schlehman & F. Pichler

**MAGNETIC DETECTORS:** By Bob Murray

**SHORTWAVE REPORT:** By Bart Lee

### AWA MEMBERS' FORUM:

Discussion of AWA activities  
Led by President Geoff Bourne

### ALEXANDERSON ALTERNATOR SEMINAR:

By Bengt Svensson

### TELEVISION IN PREWAR GERMANY:

By Gary Carter

### MOONLIGHT RESTORATION FORUM:

Hosted by Marc Ellis

### REVIEW OF AMATEUR OPERATION:

John Rollins, W1FPZ

### DAVID SARNOFF AND RADIO:

By Dr. Alex Magoun

### AUTHORS & EDITORS GET-TOGETHER:

Robert Murray and Marc Ellis

### PRE-1912 WIRELESS AND ELECTRICAL APPARATUS:

Moderated by Lauren Peckham

Complete conference schedule and registration material  
will be included in the August issue of The AWA Journal.

For Details: Beverly Fandt, PO Box 451, Celron, NY 14720

AWA Website: <http://www.antiquewireless.org>

# Order These Popular Books From Antique Radio Classified



**Collector's Guide to Antique Radios 6th Edition** by John Slusser. 10,000+ sets from the 1920s to the 1950s. Updated 2004 prices, 1,000 color photos, 320 pages. — \$24.95



**Antique Radio Restoration Guide, 2nd Ed.** by Johnson. *Beginner's introduction to troubleshooting and repairing AC table model radios.* 145 pages. — \$14.95

Price Guide

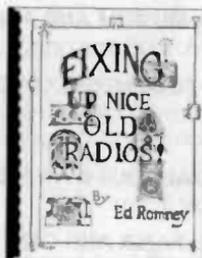
**Collectable Transistor TVs, Bunis.** *Identification and values for 150 transistor TVs from 29 manufacturers. B&W photos.* 44 pgs. .... \$19.95

**Classic Cones, Chidester.** *Pictorial reference & value guide for 1920s radio cone speakers.* 100s of color photos. 2001. 122 pgs. .... \$25.95



**A. Atwater Kent, The Man, the Manufacturer and His Radios** by Ralph Williams and John P. Wolkonowicz. *A compilation of the articles on Atwater Kent which were published in Radio Age by Ralph Williams in the 1970s. Covers 1920s Atwater Kent sets. Also included is John P. Wolkonowicz's 1976 article WPI's Forgotten Millionaire. This is a "must have" book for any Atwater Kent enthusiast.* Donald O. Patterson, Editor. 108 pages. — \$25.95

**Fixing Up Nice Old Radios** by Ed Romney. *Written by a retired radio instructor. Plastic binding. 300+ figures, 185 pages.* — \$35.00



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(#1-2-Jul06)

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Database** 182 pages - **\$29.95**



**The Zenith Trans-Oceanic: The Royalty of Radios** by Bryant and Cones. *Presents the fascinating story of the development and use of the Trans-Oceanic. Several photos, documents, ads, etc.* 160 pages. - **\$24.95**



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By John Slusser & the staff of Radio Daze



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(#35-Dec-05)

**WANTED:** 33 1/3 player, changer, with or without radio. RCA plugs, excellent condition. John Garman, R.R. 6 Box 6388, Stroudsburg, PA 18360. (570) 992-6165

**WANTED:** Zenith 56534, chassis = 5A10, do not need cabinet. James A. Rollins, PO Box 22, Ochlocknee, GA 31773. E-mail: willows30@alltel.net

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

**WANTED:** Kenwood or Drake shortwave radios. Any condition, any model. Must be reasonably priced. Dennis Yankey, 7015 West 700 South, North Judson, IN 46366. (574) 896-3061

**WANTED:** Blue Neutrowound radio, good repair is OK. Will pay top dollar. Bill Jewell, 3800 Ridgehaven Rd., Fort Worth, TX 76116. (817) 377-4664. E-mail: OldRadios@aol.com

**WANTED:** Tube hi-fi/commercial sound equipment, tubes: Altec, Fisher, Scott, Pilot, Eico, Marantz, Dynaco, Leak, Quad, Tannoy, Western Electric, etc Sonny Goldson, 520 Pocahtontas Dr., Ft. Walton Beach, FL 32547. (850) 314-0321. Fax: 0824. E-mail: sonnyssound@aol.com

**WANTED:** Brown baseball cap that says "Radio Collector" made by JD's Radioware. John O'Briant, 3120 Hartford Dr., Bettendorf, IA 52722. (563) 332-7749. E-mail: jloradio@mchsi.com

**WANTED:** Atwater Kent Model 70 chassis and/or speaker, prefer local pickup. Patrick Franzis, 235 Millville Ave., Naugatuck, CT 06770-3848. (203) 723-8976. E-mail: old\_radios@yahoo.com

## Visit the A.R.C. Web Site!

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**WANTED:** Anyone know how to de-code Sonora Radio and Television (1930-1940) Model numbers, as in WAU, RZU, WGFU etc.? Richard Arnold, Box 275, Lone Grove, OK 73443. E-mail: arnold@brightok.net



**WANTED:** Symphony and Detrola Catalin radios. I am not a human being: I am a radio collector. God forbid! Pity me the lost soul that I am and fulfill my humble needs. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

**WANTED:** Power transformer, part #P-104-4, for Belmont Model 675 radio. Scott Scheidt, 3008 Harbor Dr., Modesto, CA 95355. (209) 522-8273. E-mail: sscheidt@aol.com

**WANTED:** Set of 8 push buttons for a Philco console Model 39/31 - your price. H.F. Brammell, 907 Waverly Way, Emporia, KS 66801-3444. (620) 342-3074. E-mail: hfradio@osprey.net

**WANTED:** Chassis or with bad cabinets, Zenith 4G41, Truetone D731-4 stratoscope, Trav-Ler 5051. Dan Schafer, 3446 W. 100th St., Cleveland, OH 44111. (216) 631-7588. E-mail: howdan1@core.com

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E-mail: awamembership@rochester.rr.com  
Web: <http://www.antiquewireless.org>

**FOR SALE:** (100) plus table radios, mostly 50s and 60s, some older. Richard Fain, 16 Friend St., Assonet, MA 02702-1008. (508) 644-5764 Fax: (508) 644-8004

**FOR SALE:** Galena crystal radios and or parts to make your own. Also radio tubes. Len Gardner, 458 Two Mile Creek Rd., Tonawanda, NY 14150. E-mail: radiolen@att.net



**FOR SALE:** Hot August Specials! Here are some difficult Crosleys to find: 1-tube Crosley Type 50, clean, all there, nice box, display 199 tube, all for - \$160. Crosley 1-tube Model 51 with the unique factory wooden panel, nice, complete - \$165. Ace (Crosley) Type V, 1-tube, great condition - \$140. Dave Crocker, 35 Santuit Pond Rd., #4B, Mashpee, Cape Cod, MA 02649. (508) 477-1578

**FOR SALE:** RCA 9-X-571 and 9-X-572 - \$40 each. Crosley 56TA-L - \$40. Silvertone 2016 - \$35. Paul Lisowski, 5603 E. 100 N, Knox, IN 46534. (574) 772-2021

**FOR SALE:** Hickok 600A tube tester - \$100. Setchell-Carlson 408 - \$75. RCA 66BX - \$45. Packard Bell 5R1 - \$40. American Bosch Model 5 - \$75. Philco 48-200 - \$40. Ghirardi Modern Radio Servicing and Radio Physics Course, both - \$25. Norbert C. Wokasch, 3312 W. Bijou St., Colorado Springs, CO 80904. (719) 633-5661

**FOR SALE:** Sams Prototact Auto Radio manuals, most Vols. AR-19 through AR-125, 1963-72, in great shape, 93 for - \$50. Jim Ligouri, 7 Sycamore Ct., Atkinson, NH 03811. E-mail: jilligouri@aol.com

**FOR SALE:** Peerless speaker, RCA 100A speaker and RCA 103 driver - \$25 each. Riders 1 thru 23 - \$475. Rich Stamer, 331 Virginia Ave., Collingswood, NJ 08108. (856) 869-0238. E-mail: soundremedy@aol.com

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**FOR SALE:** Atwater Kent dual speed tuner repair kit, complete details at [www.adamsradio.com](http://www.adamsradio.com). Adams Manufacturing Co., PO Box 1005, Lincoln Park, MI 48146. (313) 383-7804

**FOR SALE:** Military whip antennas, N.O.S. - \$45 plus shipping. Bruce Beckeney, 5472 Timberway Dr., Presque Isle, MI 49777. (989) 595-6483

**FOR SALE:** (1000+) Vacuum tubes, new and used for TV and radio plus (12) tube caddies. Prefer to sell the whole lot, local pick up - Best Offer. Charles Horvitz, 81 Colburn St., Westwood, MA 02090. E-mail: Chukv@aol.com

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Saturday, September 16, 2006 at 10 AM EDT

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then south on SR #83 to the Duke & Duchess Gas Station, turn left  
onto Garman Rd. and follow 1 mile to the auction site.

Estes Auctions is very pleased to offer the wonderful collection of Tony Parjus of New Orleans, Louisiana. His collection has many nice advertising pieces to include RCA Radio Service clock, Crosley Radio & Appliance clock, Emerson Radio & TV clock, Sylvania clock, Philco Tubes clock, Raytheon Radio & TV clock, RCA Radio Service lighted sign, Philco dealer sign, Ken-Rad dealer decal, RCA battery barometer, Philco Service lighted sign, Truetone Radio sign, Zenith Parts & Service clock, Tung-Sol Radio Service clock, National Union Radio & TV Repair sign, Radiola Farm Report sign, RCA Radio clock, picture of Oliver Hardy with Radiola 24, "Our Gang Ruler", Philco Service sign, dealer display Philco Radio Tube box, many more nice advertising items. Tony collected cathedral and tombstone radios and we will be selling his entire collection of them, many Philco cathedrals, an Atwater Kent Model 84, an Atwater Kent Model 82 and many more. We will be selling a dozen Zenith Trans-Oceanics including the Bomber and Sailboat versions, the console radios including a beautiful Zenith 12U158, a Zenith 7S450 chairside, a Zenith Super 27 with the original wood shipping crate and also the spinet legs. Tony has a large amount of test equipment and tube checkers, many speakers, thousands of tubes, lots of table radios. We are combining his collection with a collection from Louisville, Kentucky so watch the September Antique Radio Classified for a new listing. Terms: Cash, check, Visa, M/C. 5% gallery fee.

**Richard Estes, K8LRY - Auctioneer**

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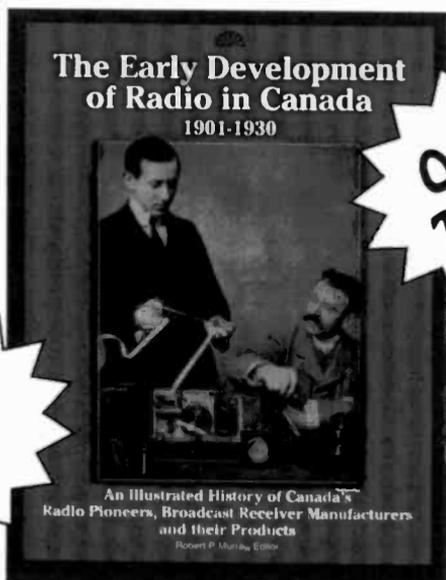
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(#37-Nov-05)

**WANTED:** Dial scale for Detrola Warwick, will buy junker if dial is OK. Ted Rogers, 6938 E. Waco Dr., Syracuse, IN 46567. (574) 456-8886.

**WANTED:** Pre-1925 Zenith and Chicago Radio Laboratories. I pay top dollar. Scott Morton, 3011 Hudson, Erie, PA 16508. E-mail: mrzenith@aol.com

— **WANTED** —  
**PICTURES FOR PHOTO REVIEW OR  
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PHOTOS MUST BE SHARP IN DETAIL  
A SHORT DESCRIPTION IS A MUST!  
SEE PHOTO REVIEW PAGES FOR  
ADDITIONAL INFORMATION**

**WANTED:** AK 447 tombstone cabinet or complete set in any condition for cabinet parts. Joe Milano, 57 Hillcrest Dr., Wayne, NJ 07470. (973) 694-3721

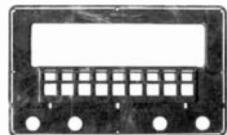
**WANTED:** Guitars/amps/effects pedals, Vox, Selmer, Marshall, Gibson, Fender, Gretsch, Ricken Backer, FuzzFace, Cry Baby, Electro Harmonix, etc. Sonny Goldson, 520 Pocahontas Dr., Ft. Walton Beach, FL 32547. (850) 314-0321. Fax: 0824. E-mail: sonnysound@aol.com

**WANTED:** Miller, Meissner, Millen, RF coils, iF trans., chokes, coil forms. I am buying! Byron Tatum, WA5THJ, 2142 County Road 367, Alvin, TX 77511. (281) 331-1899

**WANTED:** AK 447 tombstone radio in good to excellent condition. Jim Sabo, 1391 Kingsway Dr., Avon, IN 46123. (317) 272-4340

**WANTED:** N.O.S. auto radio vibrators, 6 & 12 volt, name brand only, must test good. Hans Kleeman, 1070 Riviera Ave., Banning, CA 92220. (951) 845-4222

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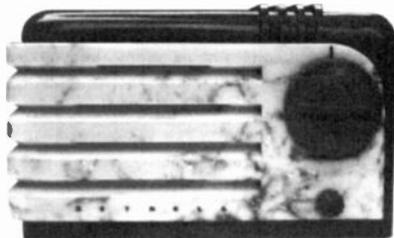


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1941 models 41-250, 255, 256, 280, 285, 287, 290, 296, 610  
1942 models 42-355, 42-355T, 42-380, 42-380X, 42-390, 42-390X

**WANTED:** Citizens band (C.B.) radio books and magazines from the 1960s - 1980s. Harry Schools, K3HS, 2511 So. 20th St., 3rd floor. Philadelphia, PA 19145

**WANTED:** KLH Model Twenty and Beocenter 7000 in excellent condition. Skip Reynolds, 71 Bristle Cone Dr., Bear, DE 19701. (302) 836-3106. E-mail: SkipReynolds@webtv.net



**WANTED:** More prewar plastics by Detrola, RCA, Kadette, Air King, et al. Take zail my money before the relatives do. They are trying to hurry my already imminent demise. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

**WANTED:** Hamilton-Ross Telatime clock-radio & Wilcox-Gay A-17 radio. Joseph DiCaro, 4155 Lastrada Hts., Mississauga, Ontario, Canada L5C 3V1. (905) 848-7759. E-mail: decoradio@primus.ca

**WANTED:** Jazz, blues & hillbilly 78s, cylinders, and other vintage records, want list \$2 + LSASE. Nauck's Vintage Records, 22004 Sherrod Ln., Spring, TX 77389. Web: www.78rpm.com

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**FOR SALE:** Tube testers, oscilloscopes, signal generators, etc. plus 800 or more tubes. Helen Leopold, 788 Duxbury Ln., Bartlett, IL 60103. (630) 289-8788. E-mail: mlradios@aol.com

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**FOR SALE:** RCA service notes readbooks, 1937 and 1939 – \$30 each + postage. Rod Galloway, 2961 S.E. 152nd Ave., Morriston, FL 32668. (352) 528-9499

**FOR SALE:** (900) records, 78s, all band, pick up only. Call ahead for appointments. Irene & Robert Stone, 721 Fisk St., Piqua, OH 45356-3729. (937) 773-2217, before 8:30 pm

**FOR SALE:** Approx 300+ radios: 30 plus floor models, grandfather clock radio plus chairside and test equipment. B. Swearingen, HC 61 Box 35B, Franklin, WV 26807. (204) 358-7740

**FOR SALE:** (8) books on how to become a ham radio op., also understanding ham radio & testing info – \$20 ppd. A. Bruno, 24 Butternut Dr., New City, NY 10956. (845) 354-8899

**FOR SALE:** Cleaning: Philco Mod 20; RCA Radiola Mod 18; speaker Mod 100; Atwater Kent breadbox Mod E; (3) G.E. Mod 22; nice, others – Offer. John E. Garman, R.R. 6 Box 6388, Stroudsburg, PA 18360-8415. (570) 992-6165

**FOR SALE:** Tubes, send SASE. Barry Joyner, 32955 Bay Dr., Lillian, AL 36549. (251) 961-2469. E-mail: moomommy@gulfnet.com

**FOR SALE:** Tube caddy with approx. 300 used tubes, all for – \$30. Thomas Burnside, 4838 S. Westhaven Dr., Jackson, MS 39209. (601) 922-2235

**FOR SALE:** Car radios: '57 Chevy, '38-'39 Chrysler C1708, Motorola 501. Bill Coolahan, 1450 Miami Dr. NE, Cedar Rapids, IA 52402. (319) 393-8075



**FOR SALE:** Radio magazines and books: Magazines: Radio: Apr. '23; Sept. '23; Oct. '24; Mar. '25 (no back cover), and Sept. '26 – \$12/ea. (\$50 for all). QST: Jan. '22 (loose covers); Sept. '22 (loose cover); Oct. '22; July '23; June '27; July '27; Aug. '27 – \$10/ea. (\$50 for all). Radio News: May '21; Dec. '22; Jan. '23; June '23; Nov. '23; Dec. '23 (loose back cover); April '25 (loose cover); April '28; Sept. '28 (loose cover) – \$10/ea. (\$70 for all). Popular Radio: Nov. '23 (loose cover) – \$8. Radio broadcast: July '22 – \$10. Books: Practical Radio (Moyer & Wostrel), 1926, lots of diagrams, 271 pp. – \$12. Radar (Orrin Dunlap, Jr.), 1946, lots of pictures, 208 pp. – \$8. How They Sent The News (J. Walaker McSpadden), 1936, history of everything, 254 pp. – \$8. Dave Crocker, 35 Santuit Pond Rd., #4B, Mashpee, MA 02649. (508) 477-1578, before 9 pm, please

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Saturday, September 30, 2006 at 10 AM EDT**

at the Seville Antique Auction Barn  
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From I-76 Exit #2 then North on SR #3 1 mile to the sale.

This is sale number 2 for the huge collection of Charles Poulton of Land O Lakes, Florida and offers a variety of items to include a Philco Predicta, the barber pole style, a Predicta with the remote tuner, other televisions, a huge selection of ca. 1920s battery sets, many different makes of horn speakers, thousands of tubes, radio and television type, lots of books and manuals, headphones of different brands including Western Electric. A nice original Model 10 Atwater Kent breadboard, Western Electric Type 7-A amplifier, a Model 12 Atwater Kent breadboard radio. A collection of 15 home brew crystal sets, a variety of cathedral and tombstone radios, over a hundred wood and Bakelite table radios to sell, lots of test equipment and parts, many console radios. This sale offers something for everyone. Plan to attend this one. We will sell box lot and part sets starting at 8:30 A.M. then the main auction begins at 10 A.M. Terms: Cash, check, Visa, M/C.

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**FOR SALE:** Zenith L-507 rare Trans-Oceanic take off - \$275. Universal 6G001 - \$175. Most TOs available. Ted Demski, 5806 225 Pl. SW, Mountlake Terrace, WA 98043. (425) 778-7100, (425) 220-5261

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**FOR SALE:** Radio business, over (200) radios and a web page. R.G.B. Enterprises, PO Box 5367, Old Bridge, NJ 08857. E-mail: [rgbent@aol.com](mailto:rgbent@aol.com)

**FOR SALE:** Edison Bell cathedral Model #36 - \$225. Charles Class, 209 Oakland, N. Wales, PA 19454. (215) 699-7149

**FOR SALE:** Philco Model 42-355 table radio. John Zima, 1360 Reed Rd., Churchville, NY 14428. (585) 293-3023. E-mail: [jfz\\_rhy@yahoo.com](mailto:jfz_rhy@yahoo.com)

**FOR SALE:** Ancient QSTs - \$1.50. Techtronix scopes, perfect condition - \$200 and up. Request pix/details. Charles Graham, K2GVE, 4 Fieldwood Dr., Bedford Hills, NY 10507. (914) 666-4523

**FOR SALE:** Large quantity of used tubes: brass base top tip 01-A, brass base top tip 01 (these are the 1 ampere filaments), brass base no Tip 01-A, brass base top tip 00. Jeff Arndt, 908 6th St., Kewaunee, WI 54216-1718. (920) 323-6789. E-mail: [vtubes@charter.net](mailto:vtubes@charter.net)

**FOR SALE:** Navy OQ Weston mutual cond. tube tester, (3) meters: plate, grid, and heaters to 117 volts, covers Western Electric power audios, exc condition, all new patch cords, oak case, manual, roll chart - \$425 + shipping. Charles Kirsten, Radio Relics, 7626 Cloudy Bay Ct., Rancho Cucamonga, CA 91739. (909) 803-2447

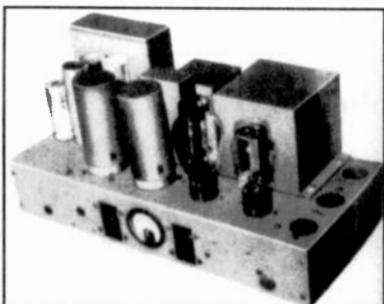
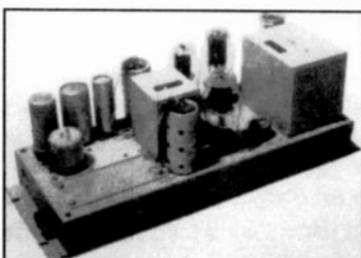
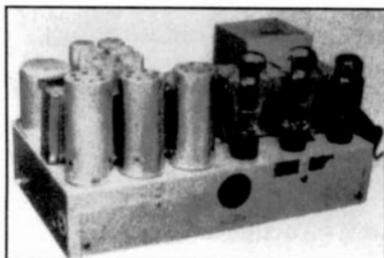
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**FOR SALE:** Radio test equipment from the 1950s-60s, sig. gen., cap checkers and tube checkers. Also audio amplifiers, radio, audio and transmitting tubes. Copies of test equipment. Eico, Simpson, Precision and others. Write your needs. Send SASE. **WANTED:** 1940-1950s car radios, complete, need not to be working. Need face plate for 1955 Ford Model 5MF8. Need volume control Part #18B531299 with switch for 1955 Ford 5MF8. Clayton Mundine, 217 E. White Ave., San Antonio, TX 78214



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**WANTED:** Grunow 1541 console cabinet & knobs. David D. Kaiser, 375 Yarmouth Rd., Rochester, NY 14610. (585) 654-6604. E-mail: ddk375@frontiernet.net



**WANTED:** Early (prewar II) plastic radios. I collect these objects of beauty to enhance my otherwise dull and uneventful life to which I am forever bound by my sad-but-true unworthiness and shortcomings: physical, emotional, and intellectual. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

**WANTED:** EICO Model 320-322 basket case only signal generator. John Snow, 1910 Remington Ct., Andover, KS 67002. (316) 733-1856

**WANTED:** Sams Transistor Radio Manuals (TSM) numbers 3, 7, 8, 9 and 11. Gregg Humanic, 540 Wicklow Ln., Monroe, OH 45050. (513) 539-8926

**WANTED:** Manual or good copy of same for Heathkit Visual-Aural Signal Tracer Model T-3 and Simpson V.O.M. Model No. 262. Ray Donik, 3203 Szold Dr., Pikesville, MD 21208. (410) 358-9264

**WANTED:** Automatic Record Changers and Recorders by John F. Rider. Any info on Capehart Orchestrope Model 28G. John Howes, 11 Crendon Park, Southborough, Tunbridge-Wells, Kent. TN40BE U.K. (011) 01892-540022. E-mail: Johnhowes11@yahoo.co.uk



**WANTED:** Emerson Catalin radios. Nobody pays more than I. What an arrogant and inaccurate thing to say. I mean, like there isn't anyone wealthy enough, dumb enough, desperate enough – or any combination of the three – to pay even a dollar more than I would pay. I mean, c'mon, who am I trying to kid! Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

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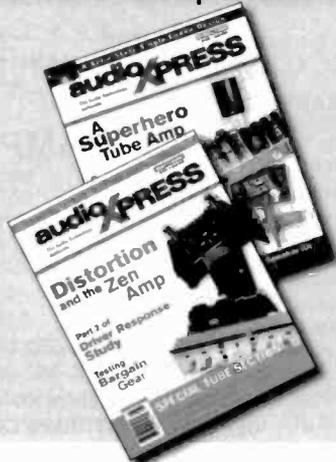
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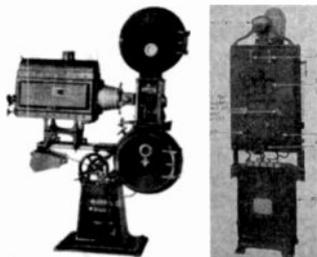


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**FOR SALE:** Hallicrafters service manuals: Ham, SWL, broadcast radios, CB. Send model no. or e-mail. Dan Busta, WA9GOB, Dept. A PO Box 24, Palos Park, IL 60464. E-mail: [wa9gob@aol.com](mailto:wa9gob@aol.com). Web: [www.ardcoelectronics.com](http://www.ardcoelectronics.com)

**FOR SALE:** Radio books, magazines. Visit us at the AWA Convention, indoors opposite conference rooms. Bequaert Old Books, PO Box 775, Fitzwilliam, NH 03447. (603) 585-3448. E-mail: [info@beqbooks.com](mailto:info@beqbooks.com)

**WANTED:** Working chassis for Philco 40-135, 145, 170, 503, 506, 525, 526, 527. Knobs and escutcheon would be helpful. Dick Friedman, 1502 Elmwood, Wilmette, IL 60091. (847) 256-1432



**WANTED:** Old Mercury Arc Rectifier units and unusual early battery chargers. Old 35mm movie projectors and motion picture equipment. Early x-ray machines. Tom Wilson, 633 Lebanon Rd., Clarksville, OH 45113. (937) 477-9855. E-mail: maramadus@netzero.com

**WANTED:** Pre-1925 radios, tuners, amplifiers, detectors, transmitters, literature, tubes, advertising, parts, etc. Thank you. Steve Wallace, 3707 Pricetown Rd., Fleetwood, PA 19522. (610) 944-723C. E-mail: kks@epix.net



**WANTED:** Air King Skyscraper radios, except for that unbearably ugly model with the third (tuning) eye at the top that bears better resemblance to a flourer than to the face of a building. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384



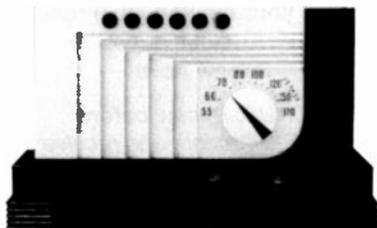
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**FOR SALE:** Zenith console 9-S-262. Kennedy 521 amp. Knight-Kit 25W, mono amp. Zenith Royal 500, black. Coronet (2) transistor radio. Eye tubes. Nicholas A. Vaksvik, 235 Marvin Ave., Los Altos, CA 94022-3702. (650) 279-9931

**FOR SALE:** Radio-phono Zenith 6H01. Admiral radio-phono Model 6RT-43A, chassis 5B1A. Zenith phono AP6-J. Zenith radio 500N portable. Ajjala Repair, 50 Fir Cir., Babbitt, MN 55706

**FOR SALE:** Emersons: 779 - \$45, 813 - \$20. Firestone S74032 - \$50. RCA 5Q56 - \$50. Others. H.B. McMahan, 313 W. Shaw, Tyler, TX 75701. (903) 593-5433. E-mail: mcmahan2@peoplepc.com

**FOR SALE:** Hewlett Packard older tube osci loscope with manual, works - \$75 + postage. Dozen 1950s tube TVs - \$200. All pickup only. Radiosale website: <http://members.aol.com/dmradios/tube.html>. Don Maurer, 29 South 4th St., Lebanon, PA 17042. (717) 272-2481. E-mail: dmradios@aol.com

## THE TUBE SHOP



Box 11283  
Norfolk, VA 23517  
Phone: 757-451-2022  
Fax: 757-451-3270

E-mail: [tubeshop@cox.net](mailto:tubeshop@cox.net)

On the Web at:  
[www.thetubeshop.com](http://www.thetubeshop.com)

**FOR SALE:** Old test equipment, including Tektronix scopes, send SASE for list and condition. Dick Hammel, 11 Cohasset Ln., Cherry Hill, NJ 08003-1906. (856) 424-3831

**FOR SALE:** Complete set of A.R.C. back issues, some reproductions first year - \$100 plus shipping. Paul Chaney, 12320 Tigerseye, Sun City West, AZ 85375. E-mail: [paulchaney@aol.com](mailto:paulchaney@aol.com)

**FOR SALE:** Rare rare Philco 201X, First High Fidelity Philco; Zeniths: 12U159; 12S265 and 25 others. E.H. Scotts: Allwave 12 Lido; Imperial 23 Tasman; Imperial Grande Allwave 15 and others. New! Repro S knobs for Scott radios; also Arvins and RCAs and Stromberg-Carlsons and of course a comprehensive selection of Zenith knobs. We have over 100 different highest quality repro knobs. Go to our website at [gn4radios.com](http://gn4radios.com) for an extensive listing of items for sale. We offer the highest quality electrical restoration for Zenith Trans-Oceanics and all other tube radios! We have all of your reproduction Zenith restoration parts. Dial glass for 1937, 1938 and 1939 Zeniths. Revised edition of our own Zenith Brochure Book - \$28.95 plus \$5.95 shipping. Updated parts and supplies catalog, request free copy. We have many Zeniths and other radios for sale. Most Trans-Oceanics available, call. Hard-to-find Rider's manual numbers in stock, call. We can and do ship consoles and we do it right. Satisfaction guaranteed, highest quality assured. Visiting Minneapolis? Visit our store Great Northern Vintage Radio and Antiques at 5200 Bloomington Ave just 3 miles from the airport. Owner's and service manuals for most Zenith and Scott radios and many other brands. We stock a large selection of quality repro grille cloth. We accept cash, check, Visa, Discover, Mastercard, American Express and Paypal. Alan Jespersen, PO Box 17338, Minneapolis, MN 55417. (612) 727-2489, 11am-4:30pm. Fax during business hours (612) 821-4820. 11-4:30 Tues.-Fri., Sat 10-3 E-mail: [mte612@aol.com](mailto:mte612@aol.com)

## A.R.C. BACK ISSUES

April '87 to current issue: Originals available  
32 to 100 pages each.

Oct. '86 to Mar. '87: Reprints available  
Reprinted from original artwork; 28 to 32 pgs. ea.  
Quality & appearance same as an original copy.

June '84 to Sept. '86: Photocopies available  
Not original quality, useful for info.; 16 to 28 pages each.

Publication of *Antique Radio Classified* began in 1984 which had only five issues: June, Sept., Oct., Nov. & Dec. 1984. 1985 through current year have had 12 issues each.

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A.R.C., P.O. Box 2, Carlisle MA 01741  
E-mail: [ARC@antiqueradio.com](mailto:ARC@antiqueradio.com)  
Or Call Toll Free (866) 371-0512

Visa, Mastercard, American Express, Discover  
Mass. residents, please add 5% sales tax

**FOR SALE:** RCA Radiola Model 82/86 tuner, amplifier and speaker – \$40 + ship. Paul Hametty, 4805 Parkmoor Dr., Westerville, OH 43082. (614) 822-1979

**FOR SALE:** Isolation transformer – \$19.95; 10M SSB transceiver – \$125; Hammarlund Super Pro – \$150; Viking I – \$150; Fluke Multimeter 8120-A – \$35. Ernest Odeneal, K5QJF, 2710 Lee St., Greenville, TX 75401. (903) 455-2113/455-5788. E-mail: odeneal@geusnet.com

**FOR SALE:** Fada 106, Super-Fadalette, and GE 221. Send for list of 40 more radios. Leo Vanderpot, 1256 Jackson Corners Rd., Red Hook, NY 12571. (845) 756-5256. E-mail: loev@frontiemet.net

**FOR SALE:** General Radio Type 650A impedance bridge and 650-P1 oscillator amplifier with manual – \$95. RCA voltomyst WV-77E with test leads – \$55. Hewlett Packard 5 watt/600 ohm attenuator 350B – \$35. Holtzer Cabot ohm ZM-14A/PSM2 0-1000 meg ohms. 500 VDC with test leads and manual – \$35. All above excellent condition + UPS. Phil Guinan, 106 Page Rd., Litchfield, NH 03052. (603) 889-6213. E-mail: philip1924@aol.com

**FOR SALE:** Heathkit Model AA151 audio output transformer – \$25 plus shipping. Bogan 17 tube AM/FM monaural receiver w/35w built-in amplifier w/schematic and paperwork – \$135. Thomas Rocheleau, PO Box 132, Franklin, MA 02038. (508) 528-3061 between 6-10 pm

**FOR SALE:** (3) Day Fan #OEM7; (2) Grebe radios; (1) Scott speaker; (2) Thorola radios, battery; Scott Phantom; Philco, Jr., working, all original. Some items from June A.R.C. are still available. If you write, please include phone number. Bill Kalcik, Meadowbrook Resort, 1533 River Rd, Wisconsin Dells, WI 53965. (608) 253-9855 after 9 PM CDT

# ELECTRIC RADIO



**Are you tired of plastic modern radios that you can't work on and are hard to understand? Are you looking for information on restoration of quality vintage receivers and transmitters? Electric Radio is the magazine for you! In print since May, 1989, we also have the largest vintage-only Ham classified section available.**

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**720-924-0171 email: [editor2@indra.com](mailto:editor2@indra.com)**

**[WWW.ERMAG.COM](http://WWW.ERMAG.COM)**



**FOR SALE/TRADE:** Zenith Teardrop, Fairbanks-Morse Semaphore, Emerson Gemalloyd-15, Philco Air diffuser, consoles & others. C.R. Nevins Museum of Radio, Ken Nevins, 406 Jipson St., Blissfield, MI 49228. (517) 486-3019, evenings. E-mail: ken@kennevins.com

**FOR SALE:** B&K Model 162 transistor/F.E.T. tester, all leads with manual – \$45 plus shipping. John Snow, 1910 Remington Ct., Andover, KS 67002. (316) 733-1856

## E-MAIL ADDRESS FOR ANTIQUE RADIO CLASSIFIED [ARC@antiqueradio.com](mailto:ARC@antiqueradio.com)

**Ads – Subscriptions – Book Orders  
See policy pages for details**

**FOR SALE:** Millen ceramic crystal sockets – \$1.50, octal tube bases – 10 for \$2.95, 6.3 volt 1.2 amp filament transformers – \$5, 1 mfd 50 volt – 25 for \$9.99. 365 pf miniature air variable – 10 for \$8.95, 1N23 – 10 for \$12.95, DPDT toggle switches – 10 for \$12.95, Fahnstock clips – 10 for \$4.75, octal breadboard sockets – \$5, 250 ohm potentiometers – \$3.99, 11 pin male & female Amphenol connectors used on R390 – \$4.99 set, 3RP1 CRT – \$59.99, 3.8 ampere variac – \$25, 0.1 mfd 500 volt ceramic – 10 for \$3.99, Sylvania 50 – \$199.95, 2 mfd 200 volt – 10 for \$4.99, 9 pin plug used on Collins 51-S1 – \$5, 9 volt battery clips – 25 for \$2.99, 5.25" fans (used) – \$3.75, 2 mfd 400 volt – 10 for \$4.99, 30KD6 – \$14.75, Bakelite chickenhead knobs – 10 for \$5.95. Leeds Radio, 68 North 7th St., Brooklyn, NY 11211. (718) 963-1764. Web: [www.leedsradio.com](http://www.leedsradio.com)

**FOR SALE:** Books: Basic Television-Principles and Servicing by Bernard Grob, with Donald Fink, 1949, 596 pp., a McGraw-Hill Television Series book – \$20; How to Make More Money In Your TV Servicing Business by John Markus, 1962, 346 pp., McGraw-Hill – \$15. Safe Home burglar & fire alarm control center, new with manual – \$50. Eico Model HFT-90 FM tuner, mint condition – \$65. RCA Field Service Guides for RCA color TVs, 1955 to 1982, all 9 volumes, large format 11" x 17", 1,275 pp. – \$20. B&K oscilloscope, 40 MHz, dual trace – \$95. Zenith original airplane style brass dial pointer, 3 5/8" overall – \$20. Zenith ca 1959 AM/FM tuner chassis 9D26, working, complete w/tubes, from Model #SFD-2535 (1959) – \$50. Zenith portable radio, Model #Z222W, 1998, AM/FM/TV/digital clock, w/alarm – \$65. 5FP7 radar CRT – \$10. 8YP4 TV CRT – \$10. 3MP1 Waterman oscilloscope CRT – \$20. 16LP4 Sylvania B&W picture tube, appears N.O.S., tests very good – \$75. All prices plus UPS. Bob Lynn, 26 E. Orchard St., Somerville, NJ 08876. (908) 685-9070

## ANTIQUE TUBES

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123 N. Centennial Way, Ste. 105, Mesa, AZ 85201

Phone: 480.968.7686 Fax: 480.649.3718

Call toll free: 877.307.1414

**HELP:** Does anyone in western New York restore Seeburg jukeboxes? No phone calls please. Michael Templer, KC2HFR, 110 Lynncrest Terr., Cheektowaga, NY 14225

**HELP:** Need circuit diagram for KLH Model 13 multiplex unit - will pay. David Habermehl, 516 West Randle, Lebanon, IL 62254. (618) 537-6785. E-mail: radio516@intertek.net

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**SERVICES:** Phonograph needles, all brands, all models. Vintage Electronics, 128 Buccaneer Dr., Hattiesburg, MS 39402. (601) 264-4755. E-mail: phonoed@aol.com

**SERVICES:** Schematic service information, Rider/Sams 1920-1970. - \$4 ppd. Send make/model. Richard A. Lerche, 1561 Bluebell Ct., Livermore, CA 94551. (925) 447-9365. E-mail: rlerche@comcast.net

**SERVICES:** Radio schematics 1920s-1970s - \$3 plus SASE. Steve Rosenfeld, 113 Station Dr., Forked River, NJ 08731. E-mail: oceangate@comcast.net

**SERVICES:** Professional restoration of antique radios and vintage hi-fi. Repairs, upgrades, & detailing. Mike Urban, 58 Naugatuck Ave., Milford, CT 06460. (800) 594-4359. Web: www.urban-antiqueradio.com

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**SERVICES:** Repairs to vintage tube equipment including home receivers, phonographs and auto radios. South Bay Radio, 7187 Lakeshore Rd., Cicero, NY 13039. (315) 699-7341

**SERVICES:** Tubes, parts, supplies and literature. Your source for all your radio needs! Antique Electronic Supply, 6221 S. Maple Ave., Tempe, AZ 85283. (480) 820-5411. Web: www.tubesandmore.com

## ABBREVIATIONS USED IN CLASSIFIED ADS

### MISCELLANEOUS

amp = amplifier  
BC = broadcast  
BO = best offer  
ca. = circa (approx. date)  
ea. = each  
F.O.B. = freight on board  
IB = instruction book  
LSASE = A Long SASE  
(see SASE)  
LW = long wave  
M.I.B. = mint in box  
MO = money order  
Mod = model  
N.I.B. = new in original box  
N.O.S. = new old stock  
(an original, unused vintage item)  
NT = no tubes  
OB = in original box  
OBO = or best offer  
P&H = postage & handling  
ppd = postage paid  
(shipping included)

PS = power supply, also  
"pwr sup"  
PU = pick up only  
rcvr = receiver  
SASE = self-addressed  
stamped envelope  
(send a long, #10,  
envelope)  
spkr = speaker  
SW = shortwave  
UPS = United Parcel  
Service  
vol. = volume  
w/ = with  
w/o = without  
WT = with tubes  
xcvr = transceiver  
xfmr = transformer  
xmtr = transmitter  
xstr = transistor  
xtal = crystal

### BOOKS USED AS REFERENCES

(V.R., p 30) means *Vintage Radio*, page 30  
**Blast** = *Radio - A Blast From The Past*  
**Bunis 1, 2, 3 or 4** = *Collector's Guide to Antique Radios, 1st, 2nd, 3rd or 4th editions*  
**Collins** = *Radios - The Golden Age*  
**Douglas V1, V2 or V3** = *Radio Manufacturers of the 1920s, Volumes 1, 2 or 3*  
**E.O.R. 1 or 2** = *Evolution of the Radio, Volumes 1 or 2*  
**F.O.S.** = *Flick of the Switch*  
**Grinder/Fathauer** = *Radio Collector's Directory and Price Guide*  
**G.O.R.** = *Guide to Old Radios*  
**Johnson's A.R.** = *Antique Radios - Restoration & Price Guide*  
**M.A.J.A.** = *Machine Age to Jet Age*  
**O.T.B.** = *Old Timer's Bulletin* published by Antique Wireless Association (AWA)  
**Sideli** = *Classic Plastic Radios*  
**V.R.** = *Vintage Radio*

### CONDITION

(If good or better, mention non-original parts)  
p = poor f = fair  
g = good vg = very good  
exc = excellent

A.R.C. does not encourage abbreviations except those listed here. Please spell out all other words. Special note for hams - most subscribers are not hams so we do not recommend ham-type abbreviations.



### **NEW JERSEY - Jul. 29**

**NEW JERSEY ANTIQUE RADIO CLUB  
SUMMER TAILGATE SWAPMEET**  
Wall, NJ - InfoAge Science-History Center  
2201 Marconi Road  
8 am - 1 pm, Setup at 7 am  
Info: Marv Beeferman (609) 693-9430  
mbeeferman@cs.com  
Phil Vourtsis (732) 446-2427  
pvourtsis@optonline.net

### **ILLINOIS - Aug. 3-5**

**ANTIQUE RADIO CLUB OF ILLINOIS  
RADIOFEST**  
Bolingbrook, IL - Holiday Inn  
205 Remington Rd.  
Large swap meet, contest, presentations,  
appraisal tent, auctions & more  
See website for updated information  
Info: www.antique-radios.org

### **OHIO - Jul. 29**

**ESTES AUCTIONS  
RADIO AUCTION**  
Burbank, OH - Expo Auction Center  
8157 Garmon Rd., Exit 204 off I-71  
10 am  
Info: (888) 769-4992 - Fax: (330) 769-4116  
estesauctions@aol.com -  
www.estesauctions.com

### **CALIFORNIA - Aug. 5**

**CALIFORNIA HISTORICAL RADIO SOC.  
SWAP MEET & AUCTION**  
Los Altos Hills, CA - Foothill College  
Lot 4  
9 am  
Info: CHRS Hotline - (415) 821-9800  
www.californiahistoricalradio.com

### **OHIO - Aug. 1**

**ANTIQUERADIO COLLECTORS OF OHIO  
MEETING**  
Dayton, OH - 2929 Hazelwood Ave.  
7 pm  
Info: Karl Koogler - (937) 294-8960  
karlkrad@genmair.com

### **FLORIDA - Aug. 5**

**SARASOTA ANTIQUE RADIO CLUB  
SUMMER SWAPMEET**  
Sarasota, FL - Knights of Columbus  
4880 Fruitville Rd.  
8 am - 11 am  
Info: Jack Warren (941) 349-4875  
Dave Hurt - manager@findsales.com

### **ARKANSAS - Aug. 3**

**ANTIQUERADIO COLLECTORS CLUB OF  
FORT SMITH - MEETING**  
Fort Smith, AR - First Baptist Church  
1400 Grand Ave.  
7:30 pm  
Info: Paul Tucker - (479) 782-8178

### **NEW YORK - Aug. 5**

**NIAGARA FRONTIER WIRELESS ASSN.  
ANTIQUERADIO MEET**  
Amherst, NY - Amherst Museum  
8 am - 12 Noon  
Info: Larry Babcock (716) 741-3082  
Gary Parzy (716) 440-2942

### **WASHINGTON - Aug. 5**

**RADIO ENTHUSIASTS OF PUGET SOUND  
MEETING**  
Seattle, WA - Queen Anne Library  
400 W. Garfield  
2 pm  
Info: REPS - (206) 488-9518  
www.repsonline.org

**NOTE:** The "Coming Radio Events" pages are tabulated from the best information available to A.R.C. However, changes, cancellations and errors do occur. To avoid disappointment, verify place, date and time especially for events which are new to you.

## **NEW YORK - Aug. 6**

**GREATER NEW YORK VINTAGE WIRELESS  
ASSN. - SWAP MEET - MEETING**  
Lake Ronkonkoma, NY - 367 Hawkins Ave.  
8 am - Noon  
Info: Chris Lieppert - (631) 471-9526  
Chris Bacon - (516) 437-7106

## **MISSOURI - Aug. 8**

**ANTIQUÉ RADIO COLL. & HIST. OF  
GREATER ST. LOUIS - MEETING**  
Kirkwood, MO - Kirkwood Community Center  
111 S. Geyer Rd., Room 201-A  
7:30 pm Meeting, Show & Tell, Swap Table  
Info: Derek Cohn - (314) 725-2333  
vibroplex@mindspring.com

## **N. CAROLINA - Aug. 8**

**EAST CAROLINA ANTIQUE RADIO CLUB  
MEETING**  
Greenville, NC - Sheppard Memorial Library  
Meeting Room A, 530 Evans St.  
7 pm  
Info: Bill Engstrom - (252) 355-8732  
Herman Schnur - (252) 752-2264

## **OHIO - Aug. 8**

**SOCIETY FOR THE PRESERVATION OF  
ANTIQUÉ RADIO KNOWLEDGE - MEETING**  
Centerville, OH - Donatos Pizzeria  
7912 Paragon Rd.  
7 pm  
Info: Edward App - (937) 865-0982  
www.antiqueradios.com/spark

## **PENNSYLVANIA - Aug. 8**

**DELAWARE VALLEY HIST. RADIO CLUB  
MEETING - SWAP - AUCTION**  
Telford, PA - Telford Community Building  
Hamilton & Hamlin  
7:30 pm  
Info: Delaware Valley Historic Radio Club  
PO Box 5053, New Britain, PA 18901  
www.dvhrc.org

## **ARKANSAS - Aug. 10**

**ARKANSAS ANTIQUE RADIO CLUB  
MEETING**  
Call for location and directions  
7 pm  
Info: Tom Burgess - (501) 455-0773

**SUBMISSION DEADLINE: 5TH OF MONTH**

## **NEW JERSEY - Aug. 11**

**NEW JERSEY ANTIQUE RADIO CLUB  
MEETING**  
Princeton, NJ - The David Sarnoff Library  
U.S. Route 1  
7:30 pm  
Info: Marv Beeferman - (609) 693-9430  
Phil Vourtsis - (732) 446-2427 - www.njarc.org

## **INDIANA - Aug. 12**

**INDIANA HIST. RADIO SOCIETY  
SUMMER MEET**  
Ligonier, IN - Ligonier Rec. Center (new  
location), 520 Union Street  
Swap meet, contest, lunch, tour museum  
Info: Fred Schultz - (260) 894-3092  
Fred Prohl - (812) 988-1761  
www.indianahistoricalradio.org

## **OKLAHOMA - Aug. 12**

**OKLA. VINTAGE RADIO COLLECTORS  
MEETING**  
Oklahoma City, OK - Hometown Buffet  
3900 N.W. 63rd St.  
6 pm: Dinner - 7 pm: Meeting  
Info: Frank Karner - fkarner@cox.net  
(405) 769-4656 - http://members.cox.net/okvrc/

## **OREGON - Aug. 12**

**NORTHWEST VINTAGE RADIO SOCIETY  
MEETING**  
Oregon City, OR - Abernathy Grange Hall  
15745 S. Harley Ave. • 10 am  
Info: www.nwvrs.org

## **NEW MEXICO - Aug. 13**

**NEW MEXICO RADIO COLLECTORS CLUB  
MEET**  
Albuquerque, NM - Anna Kaseman Hospital  
8300 Constitution Ave. (W. of Wyoming)  
1:30 pm: Tailgate Swap Meet  
2 pm: Program, Show & Tell and Auction  
Info: Chuck Burch - (505) 286-9674  
chuckBurch@aol.com  
http://members.aol.com/NMRCC

## **GEORGIA - Aug. 14**

**SOUTHEASTERN ANTIQUE RADIO SOC.  
MEETING WITH SHOW & TELL**  
Norcross, GA - Fire Mountain Rest.  
Jimmy Carter Blvd.  
6:30 pm  
Info: Rich Rodgers - (678) 591-3619  
www.sarsradio.com

## MARK YOUR CALENDAR

Jul. 29 - NJ, Wall - NJARC Swapmeet  
Jul. 29 - OH, Burbank - Estes Auction  
Aug. 1 - OH, Dayton - ARCO Meeting  
Aug. 3 - AR, Fort Smith - ARCC Meeting  
Aug. 3-5 - IL, Bolingbrook - ARCI RadioFest  
Aug. 5 - CA, Los Altos - CHRIS Swap Meet  
Aug. 5 - FL, Sarasota - SARC Swap Meet  
Aug. 5 - NY, Amherst - NFWA Meet  
Aug. 5 - WA, Seattle - REPS Meeting  
Aug. 6 - NY, Lake Ronkonkoma - GNYVWA Swap  
Aug. 8 - MO, Kirkwood - ARCH Meeting  
Aug. 8 - NC, Greenville - ECARC Meeting  
Aug. 8 - OH, Centerville - SPARK Meeting  
Aug. 8 - PA, Telford - DVHRC Meeting  
Aug. 10 - AR, "Call" - AARC Meeting  
Aug. 11 - NJ, Princeton - NJARC Meeting  
Aug. 12 - OK, Oklahoma City - OKVRC Meeting  
Aug. 12 - OR, Oregon City - NWRVS Meeting  
Aug. 13 - NM, Albuquerque - NMRCC Meet  
Aug. 14 - GA, Norcross - SARS Meeting  
Aug. 15 - CA, Shingle Springs - CHRIS-Sac Mtg  
Aug. 16 - OH, Cincinnati - CARS Meeting  
Aug. 16 - OH, Columbus - COARA Meeting  
Aug. 17 - OK, Tulsa - HLARA Meeting  
Aug. 18 - NY, Highland Falls - HARPS Meeting  
Aug. 19 - TX, Irving - VRPS Meeting  
Aug. 20 - TN, Memphis - MARC Meeting  
Aug. 20 - TX, Schertz - TARC Meeting  
Aug. 20 - VA, Chantilly - MAARC Meeting  
Aug. 20 - WA, Seattle - PSARA Meeting  
Aug. 21 - FL, Jacksonville - JARS Meeting  
Aug. 23-26 - NY, Rochester - AWA Convention  
Aug. 27 - NY, Schenectady - SARC Meeting  
Aug. 28 - AL, Birmingham - AHRIS Meeting  
Sep. 2 - CA, Fairfield - CHRIS Swap Meet  
Sep. 3 - NY, Lake Ronkonkoma - GNYVWA Swap  
Sep. 5 - OH, Dayton - ARCO Meeting  
Sep. 7 - AR, Fort Smith - ARCC Meeting  
Sep. 8 - NJ, Princeton - NJARC Meeting  
Sep. 9 - OK, Oklahoma City - OKVRC Meeting  
Sep. 9 - OR, Oregon City - NWRVS Meeting  
Sep. 10 - NM, Albuquerque - NMRCC Meet  
Sep. 11 - GA, Norcross - SARS Meeting  
Sep. 12 - MO, Kirkwood - ARCH Meeting  
Sep. 12 - NC, Greenville - ECARC Meeting  
Sep. 12 - OH, Centerville - SPARK Meeting  
Sep. 12 - PA, Telford - DVHRC Meeting  
Sep. 14 - AR, "Call" - AARC Meeting  
Sep. 16 - OH, Burbank - Estes Auction  
Sep. 16 - TX, Irving - VRPS Swap Meet  
Sep. 16 - TX, Kyle - TARC Meeting  
Sep. 17 - CO, "Call" - CRC Annual Auction & BBO  
Sep. 17 - TN, Memphis - MARC Meeting  
Sep. 17 - WA, Seattle - PSARA Meeting  
Sep. 18 - FL, Jacksonville - JARS Meeting  
Sep. 20 - OH, Columbus - COARA Meeting  
Sep. 21 - OK, Tulsa - HLARA Meeting  
Sep. 22-23 - PA, Kutztown - DVHRC Swap Meet  
Sep. 30 - OH, Seville - Estes Auction  
Oct. 1 - UK, Birmingham - NVCF Comm. Fair  
Nov. 17-19 - TX, Mesquite - VRPS Convention

See expanded listing for many of these events

## CALIFORNIA - Aug. 15

CALIFORNIA HISTORICAL RADIO SOC.  
SACRAMENTO CHAPTER - MEETING  
Shingle Springs, CA - 3755 Durock Rd • 7 pm  
Info: Bob Moore - remoore@cwnet.com  
www.californiahistoricalradio.com

## OHIO - Aug. 16

CENTRAL OHIO ANTIQUE RADIO ASSOC.  
MEETING  
Columbus, OH - DeVry Institute of Tech.  
1350 Alum Creek Rd., I-70 Exit 103B  
7:30 pm  
Info: Barry Gould - (614) 777-8534  
Chuck Davis - (614) 792-6237  
<http://members.tripod.com/~COARA/Index.htm>

## OHIO - Aug. 16

CINCINNATI ANTIQUE RADIO SOCIETY  
MEETING  
Cincinnati, OH - Brecon United Methodist  
Church, 7388 E. Kemper Rd. • 7:30 pm  
Info: Tina Haucke - (513) 247-9406

## OKLAHOMA - Aug. 17

HEARTLAND ANTIQUE RADIO ASSOC.  
MEETING  
See Website for meeting location • 7 pm  
Info: Dan Weilacher - 620 Spunky Rd.  
Catoosa, OK 74015  
www.hlara.org

## NEW YORK - Aug. 18

HUDSON VALLEY ANTIQUE RADIO  
AND PHONO SOCIETY - MEETING  
Highland Falls, NY - Art Kingsley Residence  
7-9 pm (call to confirm details)  
Info: Art Kingsley - (845) 446-4091

## TEXAS - Aug. 19

VINTAGE RADIO & PHONOGRAPH SOC.  
SUMMER SWAPMEET  
Irving, TX - Senter East Building • 9 am - 12 Noon  
Info: George Potter - (972) 353-4862  
vrps@sbcglobal.net - www.vrps.org

## TENNESSEE - Aug. 20

MEMPHIS ANTIQUE RADIO CLUB  
MEETING  
Memphis, TN - St. Timothy United Methodist  
Church, 4105 St. Elmo Ave. • 2 pm  
Info: Ray Eaton - (731) 989-7089  
marc\_memphisantiqueradioclub@hotmail.com

## TEXAS - Aug. 20

### TEXAS ANTIQUE RADIO CLUB MEETING

Schertz, TX - VFW Hall

2:30 pm

Info: Ed Engelken - EdEngel@gvtc.com  
(830) 899-3864  
www.gvtc.com/~edengel/TARC.htm

## NEW YORK - Aug. 27

### SCHENECTADY ANTIQUE RADIO CLUB MEETING

Schenectady, NY - Schenectady Museum &  
Planetarium, Knott Terrace

Flea Market: 1:30 pm - Meeting: 2 pm

Info: David Ellers - (518) 237-2665  
http://dadellers.tripod.com/

## VIRGINIA - Aug. 20

### MID-ATLANTIC ANTIQUE RADIO CLUB MEETING

Davidsonville, MD - Davidson Rec Center,  
1234 Queen Anne Bridge Road  
Tailgate: Noon - Meeting: 2 pm

Info: Geoff Shearer - (703) 818-2686  
www.maarc.org

## ALABAMA - Aug. 28

### ALABAMA HISTORICAL RADIO SOCIETY MEETING

Birmingham, AL - Alabama Power Building  
Parkway East

7 pm

Info: Ron Westbrook - (205) 833-8035  
www.alabmahistoricalradiosociety.org

## WASHINGTON - Aug. 20

### PUGET SOUND ANTIQUE RADIO ASSN. SWAP MEET

Seattle, WA - Shoreline Museum  
749 N. 175th & Linden Ave.

9 am - 1 pm Tailgate Swap

12 pm - Meeting, Program, Show & Tell  
Info: Pete Petersen - (425) 747-1323

## CALIFORNIA - Sep. 2

### CALIFORNIA HISTORICAL RADIO SOC. SWAP MEET & POT LUCK PICNIC

Fairfield, CA - Western Railway Museum  
State Rte. 12

9 am

RSVP to: kushseal@flash.net or  
CHRS Hotline - (415) 821-9800  
www.californiahistoricalradio.com

## FLORIDA - Aug. 21

### JACKSONVILLE ANTIQUE RADIO SOC. MEETING

Jacksonville, FL - Countryside Village Mobile  
Home Park Clubhouse, 10960 Beach Blvd.

7:30 pm

Info: Sean Olin - (904) 386-8332  
www.jarsradioclub.com

## WASHINGTON - Sep. 2

### RADIO ENTHUSIASTS OF PUGET SOUND MEETING

Seattle, WA - Queen Anne Library  
400 W. Garfield

2 pm

Info: REPS - (206) 488-9518  
www.reponline.org

## NEW YORK - Aug. 23-26

### ANTIQUE WIRELESS ASSOCIATION 45TH ANNUAL CONFERENCE

Rochester, NY - RIT Conference Center  
Easy access from the New York State Thruway

Theme: Military Radio

Outdoor Flea Market, Book Fair,  
Old Equip. Contest, Programs,  
Auctions, Awards Banquet  
& Finale Luncheon

More info listed next month  
Info: www.antiquewireless.org

## NEW YORK - Sep. 3

### GREATER NEW YORK VINTAGE WIRELESS ASSN. - SWAP MEET - MEETING

Lake Ronkonkoma, NY - 367 Hawkins Ave.

8 am - Noon

Info: Chris Lieppert - (631) 471-9526  
Chris Bacon - (516) 437-7106

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## **OHIO - Sep. 5**

### **ANTIQUE RADIO COLLECTORS OF OHIO MEETING**

Dayton, OH - 2929 Hazelwood Ave.  
7 pm

Info: Karl Koogle - (937) 294-8960 -  
karlkrad@gemair.com

## **ARKANSAS - Sep. 7**

### **ANTIQUE RADIO COLLECTORS CLUB OF FORT SMITH - MEETING**

Fort Smith, AR - 1st Baptist Church  
1400 Grand Ave.

7:30 pm

Info: Paul Tucker - (479) 782-8178

## **NEW JERSEY - Sep. 8**

### **NEW JERSEY ANTIQUE RADIO CLUB MEETING**

Princeton, NJ - The David Sarnoff Library  
U.S. Route 1

7:30 pm

Info: Marv Beeferman - (609) 693-9430  
Phil Vourtsis - (732) 446-2427  
www.njarc.org

## **CONNECTICUT - Sep. 9**

### **VINTAGE RADIO & COMM. MUSEUM OF CT TAILGATE SWAP MEET**

Windsor, CT - 115 Pierson Lane

Info: John Ellsworth - (860) 673-0518

www.nationalcommunicationsmuseum.org

## **OKLAHOMA - Sep. 9**

### **OKLA. VINTAGE RADIO COLLECTORS MEETING**

Oklahoma City, OK - Hometown Buffet  
3900 N.W. 63rd St.

6 pm: Dinner - 7 pm: Meeting

Info: Frank Karner - fkarner@cox.net  
(405) 769-4656 - <http://members.cox.net/okvrcl>

## **OREGON - Sep. 9**

### **NORTHWEST VINTAGE RADIO SOCIETY MEETING & TAILGATE SWAP**

Oregon City, OR - Abernathy Grange Hall  
15745 S. Harley Ave.

Swap: 8:30 am - Meeting: 10 am  
Info: [www.nwvrs.org](http://www.nwvrs.org)

## **NEW MEXICO - Sep. 10**

### **NEW MEXICO RADIO COLLECTORS CLUB MEET**

Albuquerque, NM - Anna Kaseman Hospital  
8300 Constitution Ave. (W. of Wyoming)

1:30 pm: Tailgate Swap Meet

2 pm: Program, Show & Tell and Auction

Info: Chuck Burch - (505) 286-9674  
chuckBurch@aol.com  
<http://members.aol.com/NMRCC>

## **GEORGIA - Sep. 11**

### **SOUTHEASTERN ANTIQUE RADIO SOC. MEETING WITH SHOW & TELL**

Norcross, GA - Fire Mountain Rest.  
Jimmy Carter Blvd.

6:30 pm

Info: Rich Rodgers - (678) 591-3619  
www.sarsradio.com

## **MISSOURI - Sep. 12**

### **ANTIQUE RADIO COLL. & HIST. SOCIETY OF GREATER ST. LOUIS MEETING**

Kirkwood, MO - Kirkwood Community Center  
111 S. Geyer Rd. Room 201-A

7:30 pm Meeting - Show & Tell - Swap Table

Info: Derek Cohn - (314) 725-2333  
vibroplex@mindspring.com

## **N. CAROLINA - Sep. 12**

### **EAST CAROLINA ANTIQUE RADIO CLUB MEETING**

Greenville, NC - Sheppard Memorial Library  
Meeting Room A, 530 Evans St.

7 pm

Info: Bill Engstrom - (252) 355-8732  
Herman Schnur - (252) 752-2264

## **OHIO - Sep. 12**

### **SOCIETY FOR THE PRESERVATION OF ANTIQUE RADIO KNOWLEDGE - MEETING**

Centerville, OH - Donatos Pizzeria  
7912 Paragon Rd.

7 pm

Info: Edward App - (937) 865-0982  
www.antiqueradios.com/spark

*Attend a radio event near you,  
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## PENNSYLVANIA – Sep. 12

### DELAWARE VALLEY HIST. RADIO CLUB MEETING - SWAP - AUCTION

Telford, PA - Telford Community Building  
Hamilton & Hamlin • 7:30 pm

Info: Delaware Valley Historic Radio Club  
PO Box 5053, New Britain, PA 18901  
[www.dvhr.org](http://www.dvhr.org)

## ONTARIO – Sep. 13

### OTTAWA VINTAGE RADIO CLUB MEETING

Ottawa, Ont. - The Ottawa Citizen  
Conference Room, 1101 Baxter Rd. • 7 pm  
Info: OVRC - (613) 832-3097 • [www.ovrc.org](http://www.ovrc.org)

## ARKANSAS – Sep. 14

### ARKANSAS ANTIQUE RADIO CLUB MEETING

Call for Location and Directions  
7 pm

Info: Tom Burgess - (501) 455-0773

## TEXAS – Sep. 16

### TEXAS ANTIQUE RADIO CLUB MEETING

Kyle, TX - Railroad BBQ • 10:30 am  
Info: Ed Engelken - [EdEngel@gvrc.com](mailto:EdEngel@gvrc.com)  
(830) 899-3864  
[www.gvrc.com/~edengel/TARC.htm](http://www.gvrc.com/~edengel/TARC.htm)

## TEXAS – Sep. 16

### VINTAGE RADIO & PHONOGRAPH SOC. IRVING, TX - SENTER EAST BUILDING

9 am - 12 Noon

Info: George Potter - (972) 353-4862  
[vrps@sbcglobal.net](mailto:vrps@sbcglobal.net) - [www.vrps.org](http://www.vrps.org)

## OHIO – Sep. 16

### ESTESAUCTIONS RADIO AUCTION

Burbank, OH - Expo Auction Center  
8157 Garmon Rd., Exit 204 off I-71 • 10 am  
Info: (888) 769-4992 - Fax: (330) 769-4116  
[estesauctions@aol.com](mailto:estesauctions@aol.com) -  
[www.estesauctions.com](http://www.estesauctions.com)

## COLORADO – Sep. 17

### COLORADO RADIO COLLECTORS ANNUAL AUCTION & BBQ

Call David Boyle for details  
10:30 am BBQ - 1 pm Auction  
Info: David Boyle - (303) 681-3258

## TENNESSEE – Sep. 17

### MEMPHIS ANTIQUE RADIO CLUB MEETING

Memphis, TN - St. Timothy United Methodist  
Church - 4105 St. Elmo Ave.

2 pm

Info: Ray Eaton - (731) 989-7089  
[marc\\_memphisantiqueradioclub@hotmail.com](mailto:marc_memphisantiqueradioclub@hotmail.com)

## VIRGINIA – Sep. 17

### MID-ATLANTIC ANTIQUE RADIO CLUB MEETING

Davidsonville, MD - Davidson Rec Center,  
1234 Queen Anne Bridge Road

Tailgate: Noon - Meeting: 2 pm

Info: Geoff Shearer - (703) 818-2686  
[www.maarc.org](http://www.maarc.org)

## WASHINGTON – Sep. 17

### PUGET SOUND ANTIQUE RADIO ASSN. MEETING

Seattle, WA - Shoreline Museum  
749 N. 175th & Linden Ave.

10 am - 12 Noon: Tailgate Swap

12 Noon: Meeting, Program, Show & Tell

Info: Pete Peterson - (425) 747-1323  
<http://www.eskimo.com/~hhagen/psara.html>

## FLORIDA – Sep. 18

### JACKSONVILLE ANTIQUE RADIO SOC. MEETING

Jacksonville, FL - Countryside Village Mobile  
Home Park Clubhouse - 10960 Beach Blvd.

7:30 pm

Info: Sean Olin - (904) 386-8332  
[www.jarsradioclub.com](http://www.jarsradioclub.com)

## OHIO – Sep. 20

### CENTRAL OHIO ANTIQUE RADIO ASSOC. MEETING

Columbus, OH - DeVry Institute of Tech.  
1350 Alum Creek Rd., I-70 Exit 103B

7:30 pm

Info: Barry Gould - (614) 777-8534  
Chuck Davis - (614) 792-6237  
<http://members.tripod.com/~COARA/Index.htm>

## OKLAHOMA – Sep. 21

### HEARTLAND ANTIQUE RADIO ASSOC. MEETING

See Website for meeting location • 7 pm

Info: Dan Weilacher - 620 Spunky Rd.  
Catoosa, OK 74015  
[www.hlara.org](http://www.hlara.org)

**PENNSYLVANIA - Sep. 22 & 23**  
**DELAWARE VALLEY HIST. RADIO CLUB**  
**MEET**  
 Kutztown, PA - Renningers, 740 Noble Street  
 Friday Noon - Saturday 7 am  
 Info: 570-385-0104  
 www.renningers.com

**PENNSYLVANIA - Sep. 23**  
**PITTSBURGH ANTIQUE RADIO SOC.**  
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 Pittsburgh, PA - Brentwood Presbyterian  
 Church, 3725 Brownsville Rd.  
 10 am  
 www.pittantiqueradios.org

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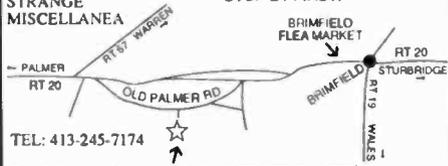
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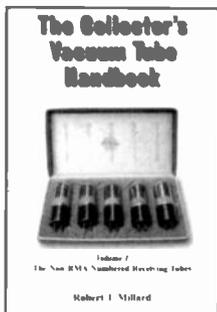
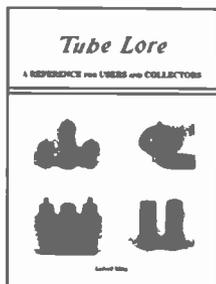
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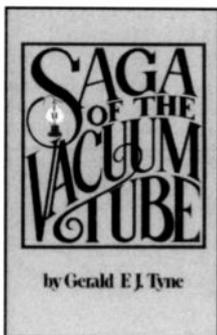
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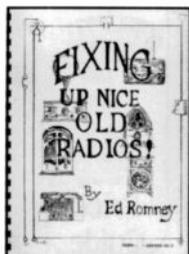


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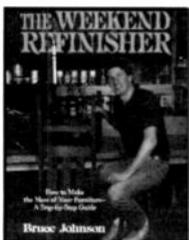
**Old-Time Radios! Restoration and Repair, Carr.** How to repair vacuum-tube and transistor radios. A self-paced training guide. 200 illustrations, 256 pgs. — \$19.95



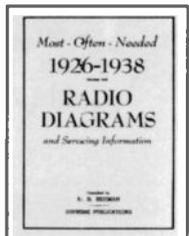
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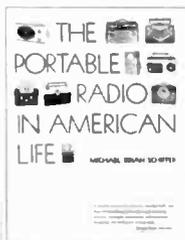
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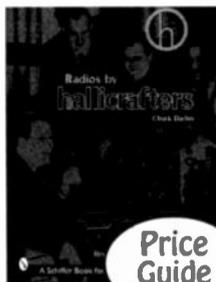
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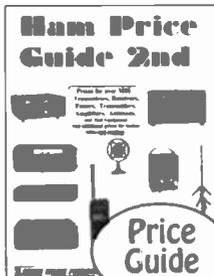


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Emerson	564	Black Green Red	500 1,150 1,650
Emerson	AX-235	Yellow & Black Red & White Dk Red & White Blue & White Black & Orange	900 2,000 2,750 5,000 6,000
Espey	<b>Name</b>	<b>Your</b>	<b>Price</b>
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Fada	L56	Yellow Light Green Maroon & Yellow Yellow & Blue Yellow & Red Emerald Gr/Yellow Blue & Yellow	1,500 2,500 2,200 3,000 3,500 7,000 7,000

MAKE	MODEL	COLOR	PRICE
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Fada	5F50 & 5F60	Yellow Light Green Yellow & Blue Yellow & Red Emerald Gr/Yellow	1,000 1,000 2,500 3,000 4,000
Fada	700	Yellow Maroon Onyx Blue	750 1,000 1,200 2,000
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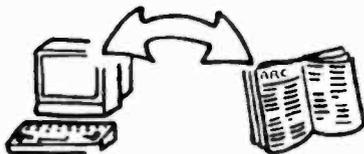
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