



# ANTIQUE RADIO CLASSIFIED

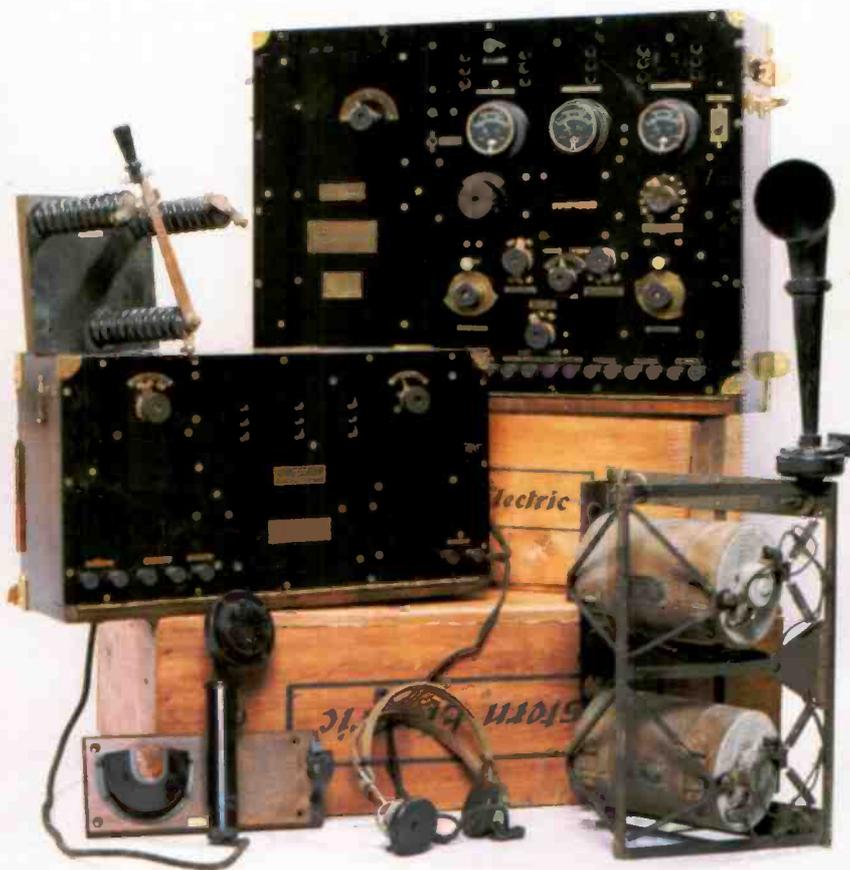


VOLUME 18

SEPTEMBER 2001

NUMBER 9

## W.E. CW-936 System



**Also: Muchow Auction Tops \$1,000,000!**

A.R.C. — THE NATIONAL PUBLICATION FOR BUYERS AND SELLERS  
OF OLD RADIOS AND RELATED ITEMS — PUBLISHED MONTHLY

# RADIO CRAZE

John Sakas P.O. Box 362 Walden NY 12586

Phone (845) 778-4064 ~ Cell (201) 410-0025

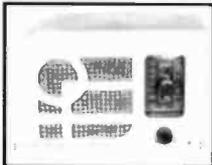
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## WANTED



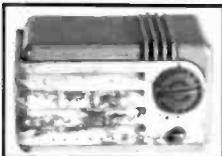
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EMERSON 1190 & BT 245 YELLOW \$1,200.00, GREEN \$2,500.00  
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EMERSON 564 BLACK \$500.00, GREEN \$1,150.00, RED \$1,650.00  
FADA L56, F55, 52, 5F50, 5F60, 136, 53X, YELLOW \$1,500.00, LT GREEN \$1,750.00  
MAROON & YELLOW \$2,200.00, YELLOW & BLUE \$2,500.00, YELLOW & RED \$3,100.00  
EMERALD GREEN & YELLOW \$7,000.00, BLUE & YELLOW \$7,000.00  
FADA 115, 116 & 1000 ALL YELLOW \$700.00, MAROON & YELLOW \$950.00, YELLOW & RED \$1,150.00, PEA GREEN \$1300.00, BLUE & YELLOW \$2,550.00  
GAROD 6AU1 MAROON \$675.00, YELLOW & RED 1,350.00, RED & YELLOW \$1,450.00  
HALSON ANY COLOR \$1,500.00 TO \$5,000.00  
MOTOROLA 50XC ALL YELLOW \$1,750.00, BROWN & TORT \$2,750.00, RED & YELLOW \$6,000.00, GREEN & YELLOW \$6,250.00  
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SONORA KM ANY COLOR \$1,600.00  
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"watch out there's a new guy in town"

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ARVIN 532 ANY COLOR \$2,500.00,  
BENDIX 526 GREEN & BLACK \$625.00,  
DeWALD A501, A502 BROWN \$375.00,  
YELLOW \$425.00, RED \$1,200.00  
EMERSON AU 190 & BT 245 YELLOW \$1,300.00, GREEN \$2,500.00,  
DARK RED \$2,700.00, BLUE \$6,850.00,  
BRIGHT RED \$11,000.00,  
ESPEY MIDGET, YOU NAME THE PRICE I WILL PAY IT!  
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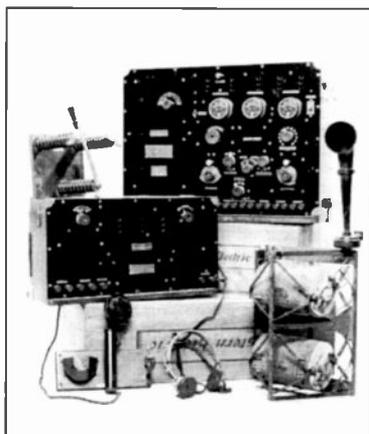
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# ANTIQUE RADIO CLASSIFIED

September 2001 • Volume 18 • Number 9

The National Publication for Buyers and Sellers of Old Radios  
and Related Items — Published Monthly

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## ANTIQUE RADIO CLASSIFIED

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# ANTIQUE RADIO CLASSIFIED

## EDITOR'S COMMENTS

The anticipation of the past year reached its zenith at last. The Ralph Muchow estate auction has become history, and to say that it was a success would certainly be an understatement. More than 300 collectors came to lay over a million dollars on the table for the enrichment of their own collections. The numbers speak for themselves — 177 items exceeded \$1,000, 15 of which brought \$10,000 or more. This auction will be the talk of the radio community for a long time to come.

These collectors also came just to view Dr. Muchow's legacy — a meticulously maintained collection that was his contribution to the preservation of radio history. He would have been pleased to know that his efforts were much admired and valued. We could do no less than give you a preview in this issue of the proceedings of the 3-day event, with a promise of a definitive report next month.

Some have criticized the frequency of auctions appearing on our pages; however, there is no question that auctions are where the action is. The interest in the Muchow auction and in auctions by Estes, Harris, eBay, and at meets makes it obvious that auctions will continue to play a significant role in antique radio collecting.

But, without intrepid reporters like Ray Chase, and his wife Edith, who recorded 68 pages of listings, we would be unable to report fully on these events. Edith, incidentally, is the perfect "radio-wife." Not only does she spell Ray in note-taking, but she also supplies him with sustenance as he pursues their joint task. Our sincere thanks to them for the excerpts presented in this issue and the complete report to come.

An unexpected connection to the Muchow auction became evident when Dave Crocker contributed an article about a recent find — a Western Electric CW-936. A similar set sold in the Muchow auction for \$7,000. Finding two such sets in almost complete condition is certainly unusual and worth noting.

Articles sometimes just evolve over a long period — a bit like Art Kingsley's elongated radio. A year ago at the annual AWA Conference in Rochester, New York, I happened to meet Art, and he showed me a photo of his 20-foot long radio. The photo corroborated what might otherwise have sounded like what we used to call a "fish story." There it was — all 20 feet — with its creator at the helm. It was obvious that a significant story was in the offing, and Art agreed to tell it in an A.R.C. article.

*Photo Review* this month triggered a bit of personal nostalgia. The "foxhole" crystal set repro made with razor blades and pencil lead reminded me of a similar project I had undertaken at about age eleven. How many others out there also spent their childhood leisure

hours jamming razor blades into wood and whittling pencils down to the lead in order to listen to local radio stations in the wee hours of the morning?

Although the Houston Vintage Radio Association did not provide us with a report on its nearly \$20,000 auction, we were able to put together an account from its club publication and Web site. An interesting aside is that this convention was an excellent example of club collaboration. George Potter, active in the Dallas VRPS and faithful reporter of their auctions for A.R.C., presented a seminar on his extensive display of De Forest receivers.

Even short reports are valuable. Anthony Patti sent an account of the Mapes Gallery auction of the Al Battison estate. This auction house in Vestal, New York, is worth watching for announcements about the inclusion of radios in future auctions.

The excitement about John Slusser's publication of the fifth edition of the *Collector's Guide to Antique Radios* prompted last month's cover. We then asked Dick Desjarlais to review the book, which has 40 more pages and describes and prices 9,000 models. All new photos added to Dick's enthusiasm for the book.

Obtaining a quality replacement for grille cloth is problem enough, but when the surface to be covered is curved, most of us are in trouble. Ted Rogers attacked the problem and won the battle. He shares with us a step-by-step process with clear illustrations — the kind of repair article we all appreciate.

*Radio Miscellanea* provides corrections by careful readers — welcome input that improves the accuracy of our reports. We're also glad to report that antique radio has become a theme even for B & B's.

The Internet. There's always more to see on our Web site. We like to think it is a reliable source of information about the activities of the world of antique radio collectors.

Coming Radio Events. The fall radio season is upon us, with over 50 meets scheduled for this month. Not-to-be-missed is the annual AWA Conference in Rochester, New York. Other events include the Military Radio Collector's Association annual meet in Tobyhanna, Pa.; the Southeastern Antique Radio Society's Swap Meet in Alpharetta, Ga.; the A.E.A. event in France; the National Vintage Communication Fair in England; and the Australian Radio/Phono Fest. There's a world of collecting out there — join in!

Happy Collecting!

John V. Terrey, Editor

## OOPS!

In John Leming's article "Glass's Electric Shop — 1926," which appeared in the August 2001 issue, we mistakenly said that the author had worked in the shop for several years. Certain edits, including the last two sentences, were not Mr. Leming's own words.

## ON THE COVER

Our cover features a World War I Western Electric CW-936 radio telephone system, found recently by Dave Crocker. The system includes the following, clockwise: transmitter/receiver, horn speaker, dynamotors, headphones, microphone with holder, amplifier, and transmit/receive switch. The two units were found in the original crates. The set is similar to one in the Muchow auction and is the subject of Dave's article in this issue.

# AUCTION HIGHLIGHTS

## Ralph Muchow Estate Auction Tops \$1,000,000! Auction Highlights

BY JOHN V. TERREY & RAY CHASE

*Time was too short before our press deadline for more than this cursory report of the recent Muchow auction. For the October issue, we will have done our usual comparison of prices from various sources and will present a definitive report. (Editor)*

The heat was on in Elgin, Illinois, August 3-5 — both inside and out. While temperatures soared outside, the excitement mounted inside the Hemmens Convention Center, as Auctioneer Richard Estes mounted the podium. At the peak on Saturday, a standing-room-only crowd of over 300 registered bidders had gathered for what well may be the radio auction of the decade.

The numbers speak for themselves — 1,733 items passed the block for a total of \$985,158. Adding the 5% buyer's premium made a grand total of \$1,034,416. This is the first antique radio auction on record — at least, to my knowledge — to exceed a million dollars. Note: All prices reported here subsequently will not include the buyer's premium.

Unfortunately, our deadline for the September issue of A.R.C. would not allow for more than a snapshot of this remarkable event, including the \$1,000+ items we have extracted from Ray Chase's 68-page hand-tabulated report. However, the October issue will have a detailed report from Ray Chase, Estes Auctions, and others. Our hats are off to Ray and his wife Edith who



*The attentive crowd waits for the bidding to start. Edith and Ray Chase will soon begin recording the auction for A.R.C. in the front row, left.*

deserve special accolades for their recording of all items during the whole 25½ hours of heavy bidding.

Most interesting was the fact that, throughout the three days, the level of intensity was maintained. On Friday, the 437 lots of tubes, paper, and advertising sold for \$101,000 — an amount far exceeding that for all the items in the usual auction sales at meets. Highlights included the two Orson Welles "War of the Worlds" transcription disks, selling at \$14,000, and a very rare Wireless Specialty Apparatus Co. Audion tube, which drew the top price of \$3,200.

It's doubtful that many there had ever seen such a wonderful array of advertising items, wall hangings and stand-up displays. Eleven of them sold for over \$1,000 each.

Saturday and Sunday saw the same level of intensity with 1,300 lots selling for a total of \$884,000. In all, I would categorize three groups of offerings: unique, one-of-a-kind items; rare items; and items usually seen at flea markets and auctions. Many of the latter were picked up at market prices, especially by those who stayed until the end. And remember, everything, whether rare or common, was in good to excellent condition.

Though complaints were heard about the "astronomical" prices paid for some items, it's worth reflecting on that phenomenon. Yes, some prices did seem out of line, but how can you begin to put a price on such



*Just a few of the consoles, horns and cathedrals sold.*

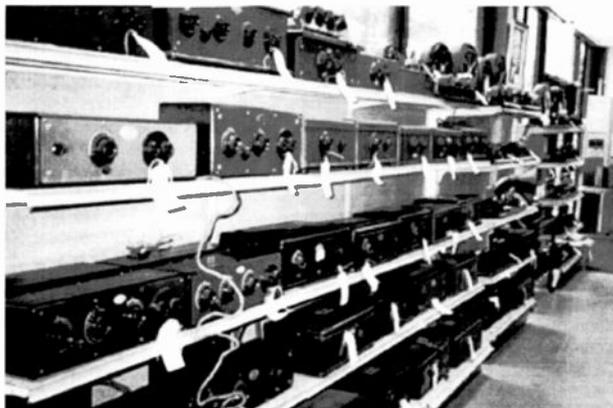
items as the receiver Admiral Byrd took to the North Pole? The \$33,500 paid by an organization planning to take it on a trip that recreates his voyage to the Pole becomes reasonable in that light.

Is \$26,000 too much for a Collins Wireless telephone from 1906, a rare and important piece in radio history? This one could be the only one in existence. How about the Marconi 106D selling at \$15,000? Here is an example of a typical going rate, as two others have sold in recent years for about the same price. There is really no way to name a "right" price, as value, like beauty, is in the eye of the beholder. And after all, the prices were no crazier than those seen often in eBay auctions.

And there was certainly much to behold. I can't remember ever seeing 12 Atwater Kent breadboards, 6 Leutz and 9 E. H. Scott receivers in one auction. A total of 177 items went for over \$1,000 each. The high prices seem justified when you realize that the rare, quality items were there, and people had come from all over the world with money in their pockets to spend on them.

Just to give you a taste of the whole, the following is a quick overview of the items sold for over \$1,000. Prices are not guaranteed to be accurate. Tune in next month for a complete report with many more photos.

Admiral Byrd receiver, 1928 .....	\$33,500
Ampleflex folding loop antenna .....	1,700
Amplion theater horn, large, 4' x 4' opening .....	1,500
Apex speaker lamp .....	1,500
Atwater Kent "technician" breadboard .....	1,300
Atwater Kent 3-panel display, 3' x 18" h .....	1,050
Atwater Kent 5 breadboard, reproduction .....	8,000
Atwater Kent 8 breadboard, prototype .....	2,050
Atwater Kent 9 breadboard .....	1,900
Atwater Kent 9 breadboard, w/BB tubes .....	5,000
Atwater Kent 10 breadboard .....	2,800
Atwater Kent 10 breadboard, w/5 tubes .....	1,600
Atwater Kent 10 breadboard, w/5-good tubes .....	1,000
Atwater Kent 10, Poolley board .....	1,000
Atwater Kent 70, console, ornate .....	2,000
Atwater Kent 84 grandfather clock radio .....	2,500
Atwater Kent 90, radio in fountain .....	6,250
Atwater Kent 4052 breadboard, w/tubes .....	1,325



Row after row of Atwater Kent box and metal sets with breadboards in the distance.

Atwater Kent 4120 breadboard .....	1,300
Atwater Kent advertising lamp, 14" .....	1,900
Atwater Kent advertising, artist signed, 14" x 3' .....	2,600
Atwater Kent advertising, motorized .....	2,200
Atwater Kent banjo used at convention .....	1,000
Atwater Kent edge-lit sign, 12" x 12" .....	1,100
Atwater Kent foldout sign, 4' x 3' .....	1,800
Atwater Kent photo album, 1927 convention, (2) ...	2,600
Atwater Kent prototype breadboard, 3 tubes .....	1,000
Atwater Kent stand-up advertising display, 14" .....	2,200
BC-611 WWll walkie-talkie, w/display, (2) .....	1,300
Bigelow loose coupler crystal receiver, 1910 .....	1,600
Bonzo figurine, 8" .....	1,300
Brandes woman's head, w/headphones .....	1,400
Brunswick Panatrope console, large .....	13,000
Canadian Ind. Tel. 3-tube receiver .....	2,000
Celluloid horn speaker .....	1,100
Chicago Radio Labs, early Zenith prototype .....	2,050
Clapp Eastham loose coupler .....	1,100
Cleveland Radio Mfg., 3-unit set .....	3,000
Colby tuner .....	1,050
Collins wireless telephone, 1906 .....	26,000
De Forest 15-panel set .....	14,000
De Forest cone speaker, 30", ornate .....	1,400
De Forest D10, w/loop .....	2,000
De Forest D17, w/tubes & loop .....	1,000
De Forest LS300 horn speaker .....	1,200
De Forest P-200 amplifier, w/2 tubes .....	2,300
De Forest single-wing, spherical Audion, open fil ..	1,450
De Forest T300, CF-122, CF-185 .....	23,000
Decretet receiver, French .....	1,800
Deutch loop antenna, folding .....	2,300
Display case, oak, curved glass .....	1,100
Edison concert 4" cylinder phonograph .....	3,000
European receiver, w/spherical audion, 1912 .....	9,000
Federal 59, w/tubes .....	1,500
Federal 61 .....	1,900
Firth Vocaloud speaker, wood case .....	1,100
Floratone sea shell speaker, 18" tall .....	1,700
GE for RAF, aircraft set .....	2,200
GE GG140 transmitter, early .....	4,900
GE Type P military receiver, 1917 .....	1,300
Gilbert crystal set & transmitter .....	2,400
Great Lakes Naval spark transmitter .....	3,750
Grebe 3-panel advertising, 3' w x 2' h .....	1,700
Grebe Clarifier .....	1,300

(Continued on following page)

**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.**

*(Mchow Estate Auction Highlights, continued)*

Grebe CR-3 Special .....	1,600
Grebe RORK amp .....	1,600
Home Brew crystal receiver w/loose coupler, 1 .....	1,050
Home Brew receiver, large, 3' w x 14" h .....	2,100
Horn speaker, metal, wood base .....	1,000
Howard console .....	3,100
Japanese "Zero" aircraft receiver/transmitter .....	1,100
Japanese WWII Naval receiver .....	1,600
Kellogg "technician" set, w/3 Moorehead tubes .....	1,400
Kelvert 3-tube amp, w/3 red-top tubes .....	1,000
Kennedy 110, w/tubes .....	1,800
Kennedy 220 receiver .....	2,100
Kennedy 281, w/amp .....	1,100
Kennedy 525 amplifier .....	1,700
Kennedy horn speaker .....	1,800
Lenzola speaker, marble, German .....	2,200
Leutz Armstrong superhet .....	3,000
Leutz C10, w/10 tubes .....	1,125
Leutz Model C .....	1,500
Leutz Model J, RF amp .....	1,000
Leutz Trans-Oceanic .....	1,400
Leutz Universal super 8, no tubes .....	2,100
Magnavox 6-tube amplifier in wood case .....	2,400
Magnavox A-3 amplifier, w/3 tubes .....	1,100
Magnavox A1R horn/amplifier .....	1,500
Magnavox R-1 horn speaker, small .....	2,300
Magnavox R-2 horn speaker, large bell .....	1,200
Magnavox R-3 horn, small bell .....	1,300
Marconi 106D .....	15,000
Marconi SE 1444 receiver .....	1,000
Martin 3-valve French receiver, w/BTH tubes .....	4,300
Master Radio horn, French, wooden bell .....	2,300
McIntosh triple-detector .....	1,200
McMurdo Masterpiece VI, 3-units, no cabinet .....	3,100
McMurdo Silver Masterpiece, 3-pieces, no cabinet ..	1,250
Mesco ornate wooden speaker .....	1,700
Michigan 3-tube battery set .....	1,300
Michigan MRC-3 .....	1,100
Mo. Technical Institute sphenical Audion receiver ..	27,000
Murdock-Mesco spark transmitter, 1912 .....	3,600
Music Master horn, very large wooden bell .....	1,000
Nesco AMS 5 receiver (looks like IP501) .....	2,200
Nesco BC-131 receiver .....	1,600
Nesco SE, 1950 compass receiver .....	1,100
Nesco SE-2512 w/coils .....	1,000
Norden-Hauch super 10 w/coils & tubes .....	3,750
Northern Electric R11, R15, R15, 3-units .....	2,000
Orson Welles "War of the Worlds" transcription disks .....	14,000
Parrot speaker, white .....	1,600
Penn. Wireless tuner & amp., 2-units .....	2,500
Pickerill dual-detector receiver, 1908 .....	19,000



*A few of the splendid advertising items offered.*

Pierson-Rockford console, large, sliding doors .....	2,900
Pilot Super-Wasp w/coils, no cabinet .....	1,750
Pittsburgh SP-2 .....	1,200
Pliodyne Model 9 Universal, w/tubes .....	1,600
Pocket Radio .....	1,050
QST 15 years including first issue, bound .....	1,300
Queen & Co. spark coil, large .....	2,500
Radio Apparatus Co. hi-freq. amp, 4/tubes .....	6,400
Radio Apparatus Co. loose coupler, vertical .....	3,600
Radiola IIIA, Canadian Westinghouse, in cabinet ..	1,300
Radiola radio/phonograph console, early .....	2,800
Radiola X, w/tubes .....	1,900
RCA 44 desk microphone, WROK .....	3,150
RCA tube tester, early, wood case .....	2,500
RCA wall tapestry, 8' x 4' .....	1,050
RJ-5 w/double-wing Audion, open fil. .....	2,100
Saal floor-standing horn speaker, 3' tall .....	1,050
Samoff horn speaker, curved .....	4,300
Samoff horn speaker, straight .....	4,900
Scott "Baby" Quaranta .....	24,000
Scott 6T11 projection TV, table .....	1,800
Scott 18, w/remote, (2), chassis only .....	4,100
Scott 23-tube chassis, speaker .....	1,100
Scott Allwave 15, in secretary cabinet .....	1,400
Scott Imperial, roslin cabinet .....	4,700
Scott Phantom console .....	3,000
Scott Philharmonic console, early .....	12,000
Scott Philharmonic, Warrington .....	2,000
Scott Philharmonic, Waverly Grand cabinet .....	4,000
SE-143 Audion control box .....	8,000
SE-1440C compass receiver .....	1,200
Spark transmitter, home brew, helix coils .....	2,600
Spy radio, WWII, 3-units & display .....	3,200
Stoelting crystal set, 1912 .....	11,000
Stratosphere transmitter from balloon, 1935 .....	11,000
Stromberg-Carlson wall tapestry, 4' x 8' .....	2,600
T.E. Clark coherer receiver .....	16,000
T.E. Clark electrolytic detector display .....	1,300
T.E. Clark spark transmitter .....	13,000
Tecla crystal set, 1915 .....	1,400
Victor disk phonograph w/horn .....	1,150
WE 1C loop .....	1,000
WE 3A receiver .....	2,500
WE 3B receiver .....	1,200
WE 4B receiver .....	2,250
WE 25B amplifier, no tubes .....	1,400
WE amplifier w/3 tubes .....	1,050
WE CW-936 transmitter/receiver .....	7,000
WE fan, brass blades .....	1,000
Western Television, scanning disk receiver .....	9,500
Westinghouse "station monitor," 2-pieces .....	8,000
Williams loop antenna .....	1,450
Wireless Appliance CF-3, w/3 DV-5 tubes .....	1,600
WLF brass creed plaque .....	1,225
WSA Audion .....	3,200
Zenith 1R & 2M amplifier, 1R panel modified .....	1,600
Zenith 7T tombstone, export model .....	1,000
Zenith 15-tube shutter dial .....	1,900
Zenith 1928 console, ornate, Spanish .....	4,100
Zenith phonograph panel receiver, 4-tubes .....	2,300
Zenith portable, 1925 .....	6,750
Zenith Stratosphere, no cabinet .....	8,000

*(John V. Terrey, c/o A.R.C., P.O. Box 2, Carlisle, MA 01741. Ray Chase, 1350 Marlborough Ave., Plainfield, NJ 07060. Estes Auctions, 7404 Ryan Rd., Medina, OH 44256; (330) 769-4992; estesauctions@aol.com.)*

# WITH THE COLLECTORS

## A West Point Teaching Tool A 20-Foot Long Radio?

BY ART KINGSLEY

*As one of ten Civil Service employees who joined with 25 Army officers in the Department of Electrical Engineering at West Point, Art Kingsley helped to replace a major teaching tool of the vacuum tube era with a comparable state-of-the-art device. The story is an interesting one that led to his creation of a 20' long radio. (Editor)*

In the mid-1960s, each classroom in the Department of Electrical Engineering at the U.S. Military Academy, West Point, New York, had a large steel console containing a dynamic demonstrator as one of the training aids. It was a vacuum tube superheterodyne radio consisting of eight individual modules each 20" wide and 15" high. Each panel or module contained a stage from a superhet radio.

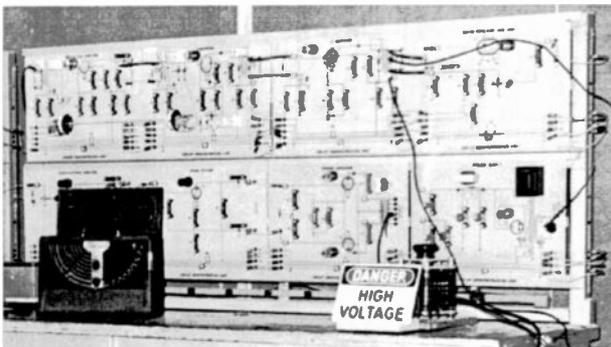
In addition to these eight radio modules, the console also contained enough extra panels to build a 1.5 MHz transmitter. In this way, one class could build a transmitter and another could assemble a receiver, and they could communicate with each other. Figure 1 shows this console.

Since these consoles were manufactured by the Philco Radio Corporation, they were called "Philco consoles." We had 20 of them, and they served the Department well for many years. However, with the advent of solid-state technology, their days were numbered.

In early March of 1972, the Department let it be known that a solid-state replacement was being sought to replace the vacuum tube demonstrators. We started contacting manufacturers and vendors for their input to our requirements, and, of course, Philco was high on our list.

### SPECIFICATIONS

Besides being a superhet radio, what other capabilities did these units require? Our specifications included flexibility and the ability of a unit to parallel closely the course material as it was being taught at the time. The solid-state components had to be discrete rather than integrated circuits. Connecting external test equipment to the radio could not adversely load it down. And, of course, cost was a big consideration.



*Figure 1. An example of a "Philco console," the vacuum tube version of the dynamic demonstrator superhet radio. It is comprised of 8 panels or modules consisting of an RF amplifier, converter, IF amplifier, diode detector/AVC, audio amplifier, phase splitter, power amplifier, and power supply. Unfortunately, the portable in the lower left obscures the audio amplifier.*

As the responses from the vendors started to come in, we knew we were in big trouble. The individual cost of these units varied from about \$1,500 to \$5,000 each, and we needed 20 of them. Also, they in no way paralleled the course material as it was being taught at that time.

### BUILDING A DYNAMIC DEMONSTRATOR PROTOTYPE

So, it was back to the drawing board to figure out how to acquire 20 dynamic demonstrators at a reasonable cost. Our final solution turned out to be the best of all worlds. We decided there was perhaps enough expertise present in the department to design and build our own.

We had 20 electrical engineers, our instructors, a highly qualified technical support crew, and a completely operational machine shop. Yes, we were already busy with the everyday needs of running an electrical engineering course for the cadets at the United States Military Academy; however, we thought that with careful job assignments, this course of action was quite feasible.

The original design and planning for this new training aid was turned over to Major Don Voss, one of our instructors, and me, a member of the technical support crew. Don was to come up with the original circuit design, and I, with support from our machine shop, was to build and test a prototype.

*(Continued on following page)*

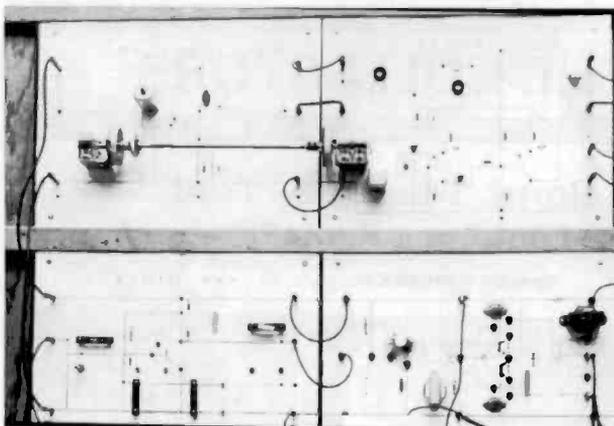


Figure 2. This partial view of the prototype of the solid-state dynamic demonstrator shows the RF amplifier, mixer/oscillator, audio amplifier, and driver/push-pull amplifier modules.

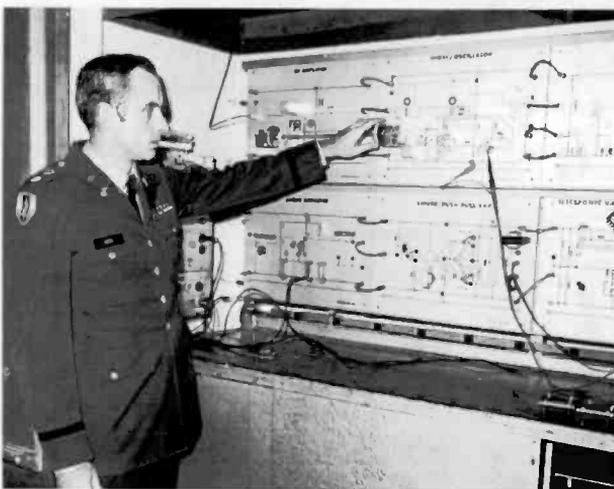


Figure 3. Major Don Voss tunes a production model of the solid-state demonstrator. Note the nice silk-screened panels courtesy of the Tobyhanna Army Depot.

(20-Foot Long Radio, continued)

The size of this device was to be the same as the old Philco console, with all components except transistors and IF cans to be of the plug-in type. We decided that the power supply had to be heavy enough so that, besides supplying the required voltages for the dynamic demonstrator, it could supply all voltage requirements for other experiments at 20 positions in each classroom.

We had very little time in our daily schedules for this large task. Don was still carrying a full instructor's load, and was helping to handle the daily chores inherent in teaching an electrical engineering course. Dynamic lectures were also a large part of this workload, with a new lecture

required every Saturday. New training aids were being built continuously, as we went from the vacuum tube era into the new world of solid-state.

Needless to say, things were really humming, and nobody sat around twiddling his thumbs. I was deeply involved in helping to design and build some really crazy devices too numerous to describe here. As busy as I was at the time, whenever I look back at it, I always feel that the experience was part of the best time of my life. I used to call my work world my "toy shop."

Monthly meetings were held with the Department Executive Officer so that everybody was on the same page. To retain the old steel console was an early decision at one of these meetings, thereby saving many thousands of dollars.

With the assistance of the machine shop, I built eight panels made of  $\frac{1}{4}$ " Masonite. Covered with white paper, they were fabricated so that we could draw the circuit on the front of each panel, showing the locations of all parts and their values. It was on these panels that we built the original prototype. A partial view of the prototype is shown in Figure 2.

After much testing and tuning, we finally settled on what appeared to be a decent looking and playing radio. At this time, we turned this prototype over to the rest of the instructors for their feedback and suggestions. After about three weeks of this testing and probing, we settled on a final circuit. It was with this circuit that we planned to move forward.

#### REPRODUCING THE PROTOTYPE IN QUANTITY

As money was very tight during this time frame, Don and I used to travel to Tobyhanna Army Depot in Tobyhanna, Pennsylvania, on what we called our "scavenger hunts." This depot was a property disposal base. It also contained not only a full electronic service facility, but also a machine shop capable of design and construction of major parts and components of many of these systems. It was the latter that was to stand us in good stead in the plans for our new classroom receivers.

While we were there on one of these scrounging missions, we mentioned to them quite by accident our plans for the new solid-state, dynamic demonstrator radios. They then let it be known that they also had a printed circuit facility, capable of producing rather large circuit boards.

In addition, on one side of the board, they could print the circuit, while on the other side they could silk-screen a complete 4-color pictorial of what each board represented. We thought we had died and gone to heaven!

Things got even better: Not only could they do all this for us, but it would be at no cost to us. This involved 200 boards. Wow!

Now it was time to start looking for the individual components: resistors, capacitors, transistors, controls, etc., and all these in large quantities. All during this time, Don and I continued our scrounging missions and eventually came away with all the transistors required for this large project. We also found many of the resistors and capacitors. How could you beat that!

By the winter of 1974-75, the first set was completed. After some tweaking here and there, the design was frozen, and full production started shortly thereafter.

However, the problem of acquiring suitable tuning capacitors loomed. We called all over the country but had no luck. This problem threatened the whole project. But, sometimes things happen over which we have no control — a stroke of genius offered a solution.

Why not use field-effect transistors in the RF and local oscillator stages, thereby allowing us to use the tuning circuits from the old vacuum tube demonstrators? This idea not only solved a serious problem, but gave us another teaching tool — the field-effect transistor. Now we knew we were going to have a wonderful teaching tool that we had designed ourselves — one that would make us all very proud. In addition, the monetary savings to the Department were inestimable.

Figure 3 shows Major Don Voss tuning a production version of the solid-state dynamic demonstrator. A closeup of a typical panel of the production sets is shown in Figure 4.

Getting back to the 20' transistor radio: As a sort of joke, I set these panels up horizontal-

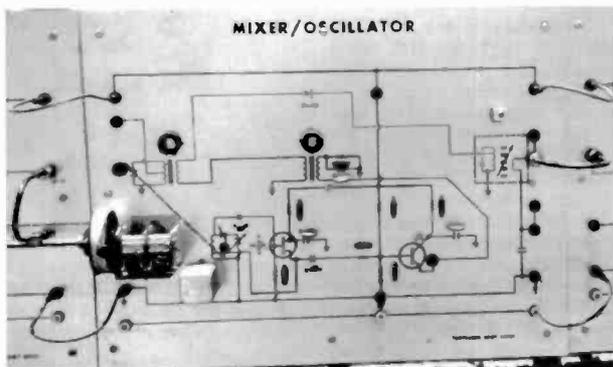
ly instead of vertically. Using the two regulator panels and a separate speaker panel, the total length of the radio is now 20' long, as Figure 5 shows. I wish I could have done this with the vacuum tube radio as well, and I would have the satisfaction of having a 20' vacuum tube radio, as well as a 20' solid-state radio.

Incidentally, we called these radios D.E.E.R. radios, or Department of Electrical Engineering Radios.

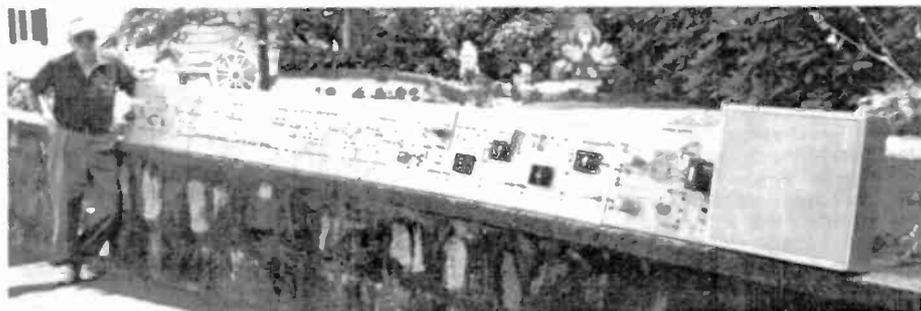
*Photo credit: Post Photo Lab*

*(Art Kingsley, 9 Glen Road, Highland Falls, NY 10928)*

*Art Kingsley's long career in radio began with school for radio and TV after World War II and continued to running his own shop, and later, to being a TV serviceman in Newburgh, New York. Finally, he spent many years in the Electrical Engineering Department at West Point. Now retired, he devotes his time to a large radio collection of mostly battery sets and to membership in AWA and NJARC.*



*Figure 4. The mixer/oscillator stage shown in this closeup is typical of the panels used in the production sets. The panel is used to mount the circuit's components and to display its schematic diagrams. Connections to the preceding and following stages are made by the jumper wires shown at the left and right sides of the panel.*



*Figure 5. Art Kingsley views his creation — the 20-foot long radio.*



## EARLY WIRELESS

# The Western Electric CW-936 Radio Telephone System

BY DAVE CROCKER

*The CW-936 system is featured on our cover. One of the highlights of the much anticipated Muchow Auction in August was a Western Electric CW-936 Radio Telephone system. A few months earlier, Dave Crocker found this radio for sale in Foxboro, Mass., with almost all its components intact. Here Dave shares detailed information about this rarely seen system. (Editor)*

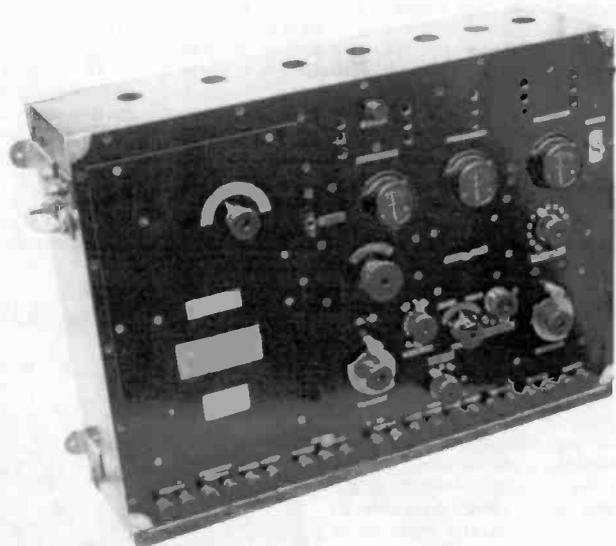
When the U.S. entered World War I in 1917, the U.S. Navy was in need of a more modern method of communications for its warships other than the telegraph. Western Electric answered this need with the introduction of the CW-936 Radio Telephone System.

Existing radio patents did not apply here since the system had been ordered by the government in war emergency times. The CW-936 system was designed for use on U.S. Navy World War I subchasers, and whether or not it was used on other warships of the time is not clear. However, it is generally considered to be the first commercially produced radio telephone and telegraph transmitter.

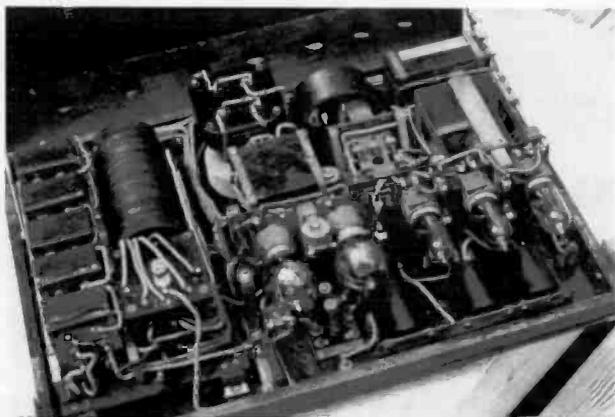
### THE CW-936 TRANSMITTER/RECEIVER

The entire CW-936 system consisted of eight major components, plus two pairs of Western Electric headphones and a push-button handle device for the extension box. The largest piece is the CW-938 transmitter/receiver, shown in Figure 1. It is a massive component measuring 24½" x 18½" x 6½" and weighing in at a hefty 60 pounds!

Outside its box-jointed, walnut cabinet (nothing too good for the U.S. Navy) is a plethora of brass. This includes all the



*Figure 1. The massive Western Electric CW-938 Radio Telephone receiver and transmitter. The set as found was missing two meters; however, for the photos in this issue, the existing meter was copied in the position of the missing two. Dave has since acquired the meters and the set is complete.*



*Figure 2. The interior of the CW-938. The front panel and chassis are unlatched and lowered to show the heavy construction and tight constraints of the component. You can see the layout of the two Type VT-2 and three Type VT-1 tubes.*

heavy hardware used throughout the construction. All the other brightwork, such as the nameplates, corner protectors, dials and switches, are gold-plated.

There is a total of 22 binding post terminals on the panel. The left-hand panel section can be removed to expose the transmitter for adjustment purposes. All the internal parts are attached to the back of the front panel, which, when unlatched, pulls down for service.

Figure 2 shows the CW-938 opened to reveal

its tube complement, consisting of two Type VT-2 (tennis ball) tubes and three Type VT-1 tubes. The transmitter is a self-excited oscillator type. The receiver, in all probability, has a regenerative circuit. The set tunes from 256 to 600 meters.

#### THE CW-926A AMPLIFIER

The second major piece of the system is the matching CW-926A amplifier, shown in Figure 3. This audio amplifier measures 20" x 11" x 6½" and weighs 30 pounds. It, too, has a walnut cabinet adorned with similar brass fixtures, but only 7 binding post terminals. Figure 4 shows the front panel and chassis pulled down to expose the three Type VT-1 amplifying tubes

#### THE ENTIRE SYSTEM

The entire CW-936 system is shown in the diagram in Figure 5. Besides the CW-938 transmitter/receiver and the CW-926A amplifier, previously described, you can see in the lower left the CW-928 switchboard, connecting the twin dynamotors to the receiver/transmitter. It, too, is housed in a walnut cabinet having 16 terminals.

The dynamotor unit (CW-927), at the lower center of the diagram consists of two motor generators, each producing 350 volts, which are spring-mounted inside a triangular metal frame. These dynamotors were manufactured by the Westinghouse Company.

In the upper portion of the diagram is the CW-1052 extension box, a cast metal, waterproof housing with a pull-down front panel. Connected to this unit is a push-button switch on a handle (CW-1054), a 13" metal horn loud speaker (CW-929), a waterproof metallic microphone (CW-1053) and a pair of Western Electric headphones (CW-834). All of these items, including the extension box, were mounted in the pilot house of the vessel. Everything else was situated in the ship's radio room.

In the middle right of the Figure 5 diagram is shown the Western Electric antenna knife switch (CW-969) with its three insulators mounted on a wooden base. At the lower right of the diagram is a second pair of WE phones, and the unique hand-held microphone and hanger (CW-930), both of which were made by Western Electric.

Figure 6 shows some of the aforementioned components. However, included, but not men-

(Continued)

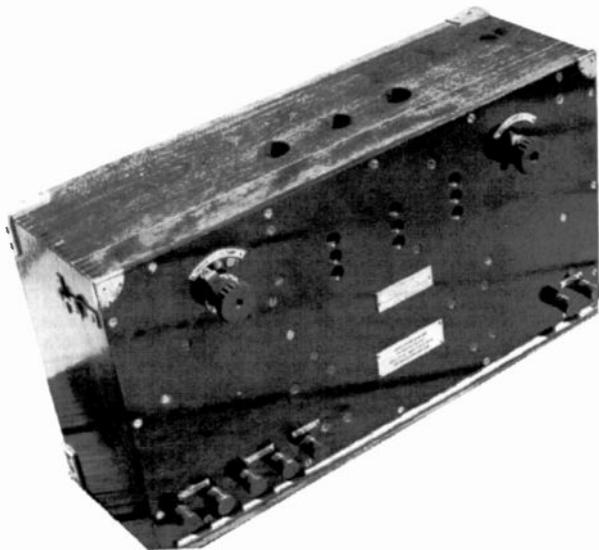


Figure 3. The matching 3-tube CW-926A amplifier.

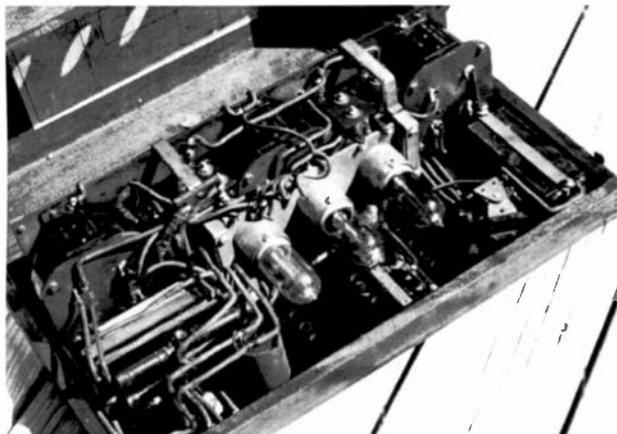


Figure 4. The interior of the CW-926A with its front panel and chassis unlatched and lowered. It operates using three Type VT-1 tubes.

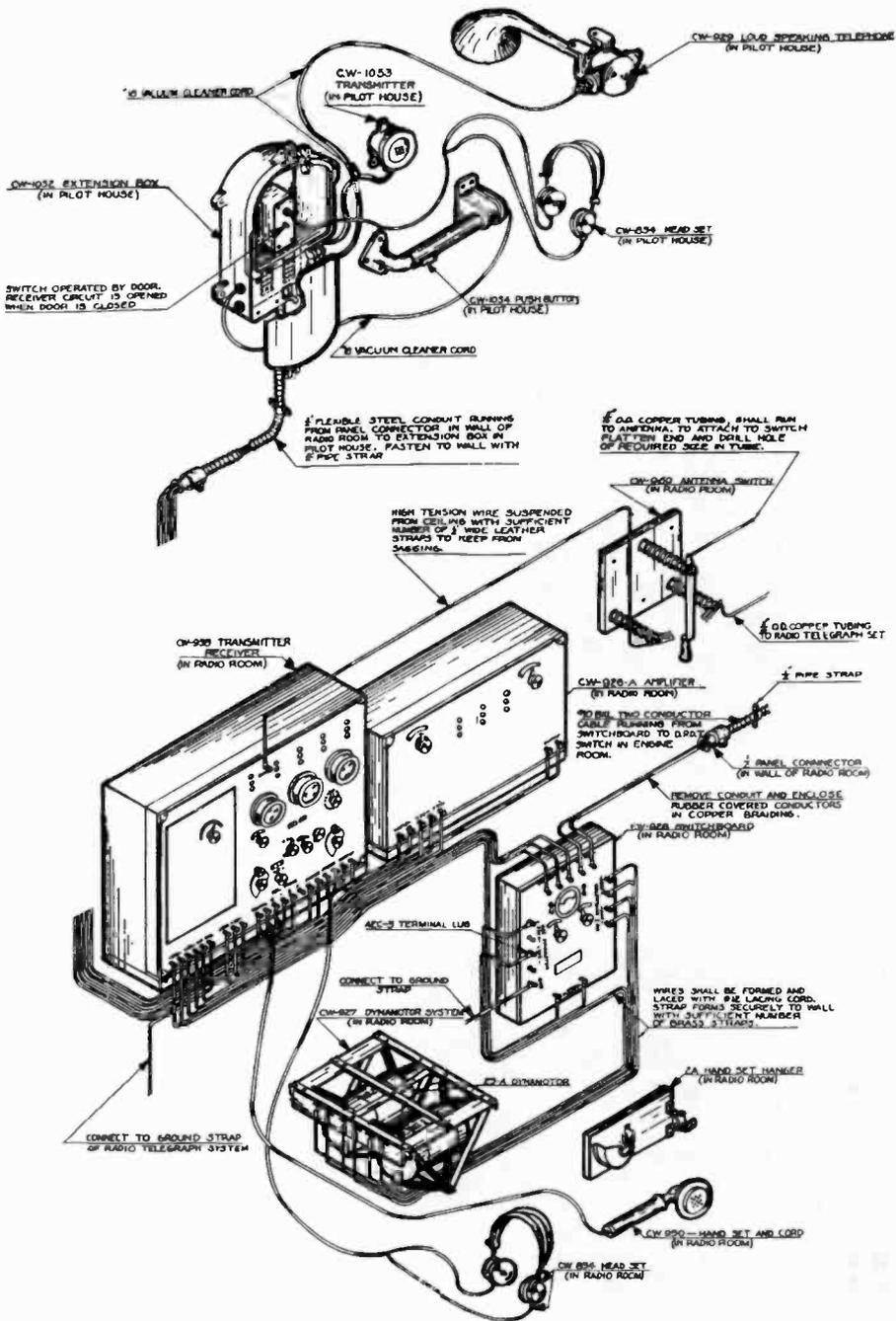


Figure 5. Diagram of the entire CW-936 Radio Telephone system with all components and wiring. (From "Robinson's Manual of Radio Telegraphy and Telephony for the use of Naval Electricians.")

(WE CW-936, continued)

tioned before, is the emergency battery box in the upper right, for which I do not have the CW number.

I found the transmitter/receiver and its matching 3-tube amplifier in their original crates, (see Figure 7), which kept them in practically unused condition. A cleaner, some wax, and lots of elbow grease removed 80 odd years of dirt and grime and brought the set back to near-original condition.

As I have said, these pieces were over-built to rigid U.S. Navy specifications to insure their survivability. "Built like a battleship" certainly applies here. Figure 8 shows the upper right corner of the receiver/transmitter. You can see the use of heavy brass construction. This system was truly built to last, and it did just that!

#### Reference:

Robinson, S.S., Captain, U.S. Navy. "Robinson's Manual of Radio Telegraphy and Telephony for the use of Naval Electricians." Annapolis, Md.: the United States Naval Institute, 1919.

(Dave Crocker, 35 Santuit Pond Rd., #4B, Mashpee, MA 02649)

Dave Crocker, a member of the A.R.C. staff, lends his skills as a graphic artist to the layout of the magazine. He has been actively collecting radios for over 25 years. Many of these years have been spent researching and collecting sets manufactured by the Crosley Radio Company.

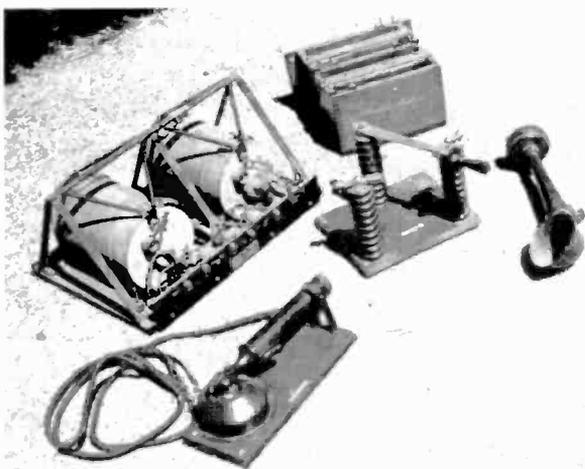


Figure 6. Some of the CW-936 system components. Clockwise from top left: the twin dynamotors, the emergency battery box, the antenna knife switch, the horn loud speaker, and the hand-held microphone and holder.



Figure 7. The original wooden crates for the amplifier (at top) and for the radio/transmitter (at the bottom).

### CW-936 Sells For \$7,000 at Muchow Estate Auction

Coincidentally, just a few months after Dave Crocker found his CW-936 in a garage, a comparable CW-936 system was offered for sale at the Muchow estate auction bringing \$7,000. A number of individuals participated in the bidding, the first dropping out at \$3,000, the second at \$5,000, and the third when \$7,000 was reached.

Whereas Dave's system was found with the shipping boxes, the Muchow system, instead, had the switchboard panel. Condition was similar since the Muchow system was in "contest" condition along with a Blue ribbon it had won to prove it. (Editor)



Figure 8. Detail showing the heavy brass construction of the latch, bracket and handle.



# PHOTO REVIEW



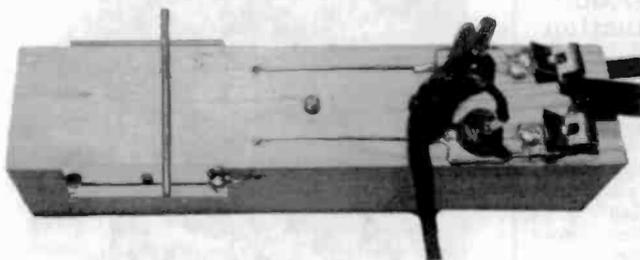
This column presents in pictorial form many of the more unusual radios, speakers, tubes, advertising, and other old radio-related items from our readers' collections. The photos are meant to help increase awareness of what's available in the radio collecting hobby. Send in any size photos from your collection. Photos must be sharp in detail, contain a single item, and preferably have a light-colored background. A short, descriptive paragraph **MUST** be included with each photo. Please note that receipt of photos is not acknowledged, publishing is not guaranteed, and photos are not returned.



**MURDOCK MODEL 200** - This 5-tube receiver, manufactured by the William J. Murdock Co. of Chelsea, Mass., sold for \$100 in 1924. Its unique feature is that the price included a Murdock adjustable horn speaker that fits into the receiver's top cover lid. (Ross Mason - Mason City, IA)



**RCA DEALER DISPLAY SIGN** - This very colorful, all-metal, stand-up sign advertises RCA Radiotron tubes. Pictured are a 4-pin tube and an early 5-pin, globe-style tube, dating around 1927. (Dave Crocker - Mashpee, MA)

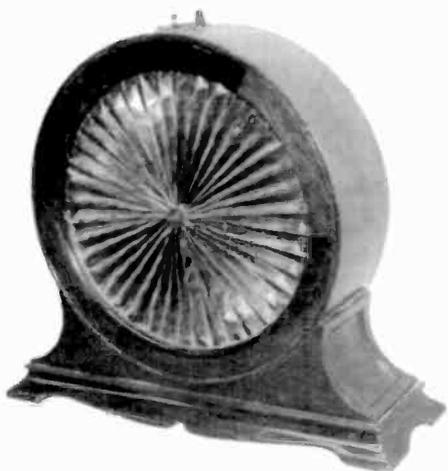


**FOXHOLE RADIO** - This reproduction is based on construction information provided by some U.S. Infantry men who served in World War II. Detection is accomplished by using two single-edged razor blades and a short length of No. 2 pencil lead. Local broadcast is received with a pair of Hi-Z headphones and a 50' antenna. Reception is not hi-fi, but audible. (James Mallory, Jr. - Aurora, CO)

## PHOTO REVIEW



**DKE ADVERTISEMENT** – A sensation when it appeared on the cover of this 1938 radio magazine, this German receiver was the start of the long production of the "Deutsche Kleingmpfänger," which was in a Bakelite cabinet. (Erwin Macho – Vienna, Austria)



**VICTOR LUMIERE SPEAKER NO. 1** – Made by the Victor Talking Machine Co. in 1925, this accordian-folded cone speaker is 13" tall in a mahogany mantel-type cabinet. At the top is a diaphragm adjustment, which includes a picture of Nipper, the Victor Phonograph Co. mascot and trademark. (Wally Worth – Wollaston, MA)



**SILVERTONE MODEL 1954** – This 6-tube tombstone receiver was sold by the Sears Roebuck Co. in 1935. It has AC operation and tunes both broadcast and shortwave bands. (Michael G. Comer – Haslett, MI)



**ECHOPHONE MODEL A** – This set is a 3-tube regenerative receiver with a detector and two stages of transformer-coupled audio. It may have originally used Type 12 tubes, as it has a large battery compartment, big enough for a couple of No. 6 dry cells, plus a couple of B batteries and a C cell. It was found with Type 201-A tubes in all three sockets. (George Hausske – Wheaton, IL)

# MEET & AUCTION REPORT

## HVRA-AWA 22nd Annual Convention - 2001 Houston, Texas — February 2-4, 2001

COMPILED FROM REPORTS IN THE HVRA GRID LEAK AND ON THE HVRA WEB SITE

The 22nd annual Houston Vintage Radio Association (HVRA) and Antique Wireless Association (AWA) Convention was held on February 2-4, 2001, at the Hobby Airport Hilton in Houston, Texas. The weekend included a full program of auctions, exhibits, contests, and technical seminars. And for family members not involved in radio, there are always many interesting things to do in Houston.

Collectors arrived on Friday from around the city, countryside and surrounding states, bringing the total to 110 registered bidders. Equipment for the auction began arriving before the doors were opened.

Club rules for the Friday auction called for a \$10 minimum opening bid. The first part of this auction was designated for tubes and collectible paper items. An estate from a local family brought in over 20 tube caddies full of tubes, plus many assorted parts and test gear. One particular tube caddy had a number of 01-As and sold for \$250. Rider's manuals were plentiful.

After the tube and paper items were sold, radio items, such as the small wood and Bakelite sets, were moved along. The Friday night auction lasted until about 10:30 PM., and by the time everyone got checked out and their purchases removed, it was approaching midnight.

Auctioneer Bill Wertzner, with the assistance of VRPS president and auctioneer Jim Sargent, kept



*This tube caddy full of 01-As is about to be sold.*

the auctions moving at a rapid pace. Many of the items that did not sell on Friday were auctioned at the end of the Saturday's auction.

The Saturday auction, offering cathedrals, tombstones, consoles and telephones, got started with the \$20 minimum-bid items. Highlights included an Atwater Kent 35 with power supply, an E4 speaker and an advertisement selling at \$200; a Grebe MU-1 syncrophase at \$200; a very heavy, World War II, German, vintage brass resistance box at \$270; a National HRO-50 at \$200; a Shure 5B microphone on a floorstand at \$300; and an Atlas battery radio in its original box at \$340.

The Friday night and Saturday afternoon auctions brought a total of \$19,665, with 683 lots passing through the auctioneer's hands.

The old equipment contest had 70 entries in 22 categories, and the quality of the equipment was excellent. Billy Richardson's Pressley Hypower receiver won "Best of Show." There was also a large display of De Forest receivers, entered by George Potter. This display was honored with both the President's Award and People's Choice Award.

Four students working on a project for the National High School History Contest attended Saturday's session. Their topic was David Sarnoff, and the convention gave them the opportunity to see related vintage equipment and to interview many knowledgeable "old timers."

A technical talk by Bob Wood on "Hot Dog

**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.

Radiolas" was well attended, as was George Potter's talk on "Lee de Forest Father of Radio." This talk provided a superb prospective on the early history of radio and the litigious times of the early inventors who were trying to protect their patent rights. George illustrated his talk with early De Forest radio equipment, including a single wing Audion.

The awards banquet featured an Italian buffet and bluegrass band. Paul Wishnow as banquet speaker spoke about his vintage radio experiences, trends in antique values, and memorable moments at HVRA banquets. Paul is a licensed appraiser and hosts a local radio show entitled *The Antique Man*. He gave many helpful tips on protecting your investments (radio collections). He also repeated many funny accounts of incidents occurring on the air and in the appraisal field. Special recognition was presented to David Moore for his many years of "behind the scenes" planning and organizing activities.

PS=power supply, WT=with tubes

Admiral console, huge .....	\$45
Atlas battery radio .....	85
Atlas battery radio, w/original box .....	340
Atwater Kent 35, E-4 speaker, PS, sign .....	200
Atwater Kent 36, PS .....	45
Atwater Kent 40, WT .....	23
Atwater Kent 41 metal can radio .....	30
Atwater Kent 46 table .....	45
Atwater Kent 60 table .....	20



An Andia, Ltd., Confucius horn speaker, which won the New Contestant Award.



A display of cathedrals and wooden table radios ready to go on the block.

Atwater Kent 70 console .....	20
Atwater Kent E speaker .....	40
Atwater Kent E-2 speaker .....	30
Crosley 5 50 battery set .....	20
Crosley 5M3, wood .....	60
Crosley 11-109 .....	35
Crosley 515, WT .....	85
Crosley AW/FM phono console .....	35
Crosley cathedral, battery set .....	80
Crosley Fiver tombstone .....	80
Dynaco amp .....	40
Eico 664 tube tester .....	55
Eico 667 tester .....	20
Eico tuner .....	20
Electro-Voice 664 microphone .....	40
Eveready TRF metal coffin battery set .....	180
Field telephone .....	50
Firestone wood radio .....	45
Ford radio, 1949 .....	18
GE cathedral radio, 1932 .....	110
GE S-22C tombstone radio .....	120
German multiband wood radio .....	60
German WWII resistance box .....	270
Gloriton 47 tombstone radio .....	50
Grebe MU-1 Syncrophase .....	200
Grundig transistor radio .....	10
Hallicrafters S-72-1 .....	90
Hallicrafters S-20R .....	30
Hallicrafters S-210 .....	10
Hallicrafters SX-101 .....	100
Heathkit 102 transceiver .....	100
Heathkit grid dip meter .....	18
Hickok VTVM .....	12
Homebrew, 3-tube battery set, 1924 .....	45
Juliette pink plastic radio .....	45
KLH console .....	55
KLH speakers, pair .....	60
Knight transmitter .....	50
Kolster 7A, 1926, wood .....	70
Majestic 30 tombstone, restored .....	180
Majestic 71 table .....	45
Majestic 491 farm cathedral, 32v .....	75
Majestic 7420 portable .....	70
Mantola battery set .....	24
Millen grid dip meter .....	12
Musicaire table .....	55
National HFS .....	80
National HRO-50 .....	200

(Continued on following page)



*HVRA Vice-President and auctioneer Bill Werzner asks for a bid.*

*(HVRA Convention, continued)*

National NC121 .....	40
Northern Electric earphones .....	10
Pepsi Cola radio .....	50
Philco 48-61, wood .....	20
Philco 60 cathedral, (2) .....	20, 24
Philco cathedral, restored .....	190
Philco Predicta TV .....	250
Puritan table radio/phone .....	20
Radionette .....	40
RCA 18, WT .....	85
RCA 33, WT .....	70
RCA 51 tombstone .....	55
RCA 66X7 Catalin .....	350
RCA P5 cathedral .....	210

RCA Radiola 17 .....	28
RCA Radiola 60 .....	20
RCA Radiola 61-5, wood .....	22
RCA shop cloth, (3) .....	30, 40, 40
RCA Victor R70 cathedral .....	160
Realistic DX 100 .....	22
Saba table .....	35
Scott Allwave chassis, PS .....	180
Ship speaker frame .....	80
Shure 5B microphone, w/stand, very old .....	300
Silvertone 70545 TV .....	55
Sonora radio, wood .....	130
Sony tape deck .....	100
Stromberg 420-I, 1939 .....	120
Stromberg-Carlson 320H, wood .....	55
Studio microphone & extra element .....	250
Truetone 585 tombstone .....	60
Turner 99 microphone, w/stand .....	65
U.S. Apex cathedral .....	90
Watterson transistor radio .....	40
WE telephone and ringer box .....	160
Wollensak recorder .....	12
Zenith 5R31, wood .....	80
Zenith K731, wood .....	24

**Photo Credit: Frank Cooper**

*The Houston Vintage Radio Association (HVRA), PO Box 31276, Houston, TX 77231-1276, holds monthly meetings and special regional events. It also publishes "The Grid Leak" monthly. Dues are \$20. For membership information, contact David Moore, 3213 Regal Oaks, Pearland, TX 77581.*

## **Mapes Auction Gallery — The Battison Estate Auction**

### **Vestal, New York — February 16, 2001**

**REPORTED BY ANTHONY PATTI**

On February 16, 2001, the Mapes Auction Gallery of Vestal, New York, held an auction of thousands of general items from the estate of Al Battison, W1HE. About 100 of the 450 items sold were radios or radio-related. Battison was an avid collector of early radios and anything closely related to the subject. In fact, he could be called the original pack rat of the radio world!

After many days of sorting and boxing the thousands of items collected from Mr. Battison's house, Mapes Auction Gallery sold the choice pieces of the collection on Friday, February 16. The audience consisted of over 200 potential buyers. The hottest items included large vacuum tubes, telegraph keys and a stack of Collins 32V-3 radios. Early *QST* and *Radio News* magazines also did very well.

Some of the more interesting items were a lot of military boxed tubes, selling at \$270; four Collins 32V-3s, at \$1,240; a small lot of General Radio catalogs, at \$300; an Aztec microphone, at \$200; an Easton telegraph key, at \$210; *Radio News* magazines, at \$250; and *QST* magazines, at \$275. Early

radios by Grebe, Browning Drake, Stromberg-Carlson, and Atwater Kent sold for between \$70 and \$200. A telegraph key by Lionel in the original box sold for \$90.

The radio section of the auction totalled approximately \$7,000. Interestingly, many of our buyers contacted us via the Internet on our Web site, [mapesauction.com](http://mapesauction.com), which allows us to meet the needs of far off clients who could not make the actual auction.

Mapes Auction Gallery has about two radio and electronic equipment auctions per year, but we often have radios and related equipment in our weekly auctions. We generally mention the fact that radios and the like will be offered at our auctions, and many times will post photos of the items on our Web site.

*(Anthony Patti, Auction Manager, David W. Mapes, Inc., 1729 Vestal Pkwy. W. Vestal, NY 13850. (607) 754-9193. Fax: (607) 786-3549. [www.mapesauction.com](http://www.mapesauction.com))*



## Collector's Guide to Antique Radios, 5th Ed. By John Slusser and the Staff of Radio Daze

REVIEWED BY DICK DESJARLAIS

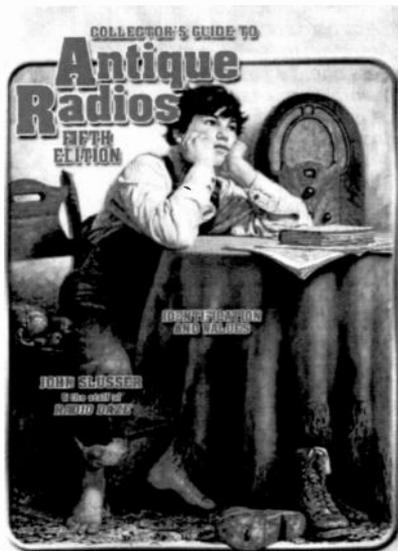
In 1987, the founders of the New England Antique Radio Club, Marty and Sue Bunis, published the first of a series of reference and price guides, entitled *Collector's Guide to Antique Radios*. By popular demand, other editions followed, with the fourth and last edition published in 1997. Those of us who still appreciate hard copy, as well as or in place of the Internet and CDs, longed for a fifth edition of the Bunis series.

Fortunately, this longing has now been fulfilled with the publication of the fifth edition of the *Collector's Guide to Antique Radios* by John Slusser and his staff at Radio Daze. Although very similar in format to the earlier Bunis editions, the fifth edition adds more diversity with the inclusion of more photos and listings for battery radios and consoles. It also has a special section on E.H. Scott radios, featuring 28 listings and 20 photos.

The author's stated goal is "to provide the radio style (console, table, etc.), year of initial market introduction, case material (wood, plastic, etc.), an identifying description, the number of knobs, type of reception (AM broadcast band, FM, etc.), the number of tubes, and the type of power utilized (AC, battery, etc.) for each listing." Clearly, this book is intended to guide the reader in identifying old radios, as well as to provide current pricing information.

The author gives a candid and realistic explanation of pricing, and the price ranges represent an average of various pricing sources. Price ranges, as first utilized in the fourth edition, have been reviewed, and, where appropriate, updated to reflect current market values.

In the four year period from 1997 to 2001, most of the radios listed have experienced a modest increase in price, ranging usually from \$25 to \$50. Some examples include the Federal Model 110, increasing from \$700-\$750 to \$750-\$800; the Tuska 222, from \$700-\$800 to \$750-\$850; and the Guild Grafanola 785, from \$125-\$150 to \$140-\$170. The Sparton Model 557 Blue Mirror radio remained at \$2,000 plus. The Zenith Model 12S232 "Walton" tombstone also remained unchanged, at \$1,200-\$1,300; but the Zenith 9S232 increased from \$900-\$1,000 to \$1,000-\$1,100. The Zenith Trans-Oceanic Model B-600 (6A40 chassis) increased from \$75-\$85 to \$90-\$120. A very



few radios are listed at a lower value than in the fourth edition.

Typographical errors are hard to find, but one example worth noting is on page 161, where the Philco Model 18L is listed as Model "8L." A glossary of radio terms, especially suited to the novice collector, is presented at the beginning of the book.

All in all, this fifth edition is a worthy and welcome extension of the Bunis tradition.

*"Collector's Guide to Antique Radios, 5th Edition" is available from A.R.C.; Collector Books, P.O. Box 3009, Paducah, KY 42002-3000; and other A.R.C. advertisers for \$19.95. Be sure to check suppliers for shipping information.*

*(Dick Desjarlais, P.O. Box 690, Littleton, MA 01460)*

*"Collector's Guide to Antique Radios" is already a bestseller. Kudos to our staff for shipping out over 100 advance orders on the day that FedEx dropped the books at our door. (Editor)*



## Installing Grille Cloth on Curved Surfaces

BY TED ROGERS

*Replacement of a radio grille cloth can be a challenging task even if its mounting surface is flat. A curved surface can make the job even more difficult. Ted Rogers offers an approach that can simplify this task and produce a wrinkle-free grille cloth. (Editor)*

Several radios in my collection have curved or angular surfaces where the grille cloth is installed. How do you get the new grille cloth to fit without wrinkles and without getting glue on the visible areas? When these radios were built, the grille cloth was glued directly to the grille work, but the manufacturers probably used an elaborate gluing fixture. I have developed a method that is fairly easy to do, and the results are very good. The secret is to glue the new grille cloth to a piece of screen wire.

### THE PROCESS

First, get a piece of old-fashioned wire screen painted black. This is the best kind to use because it is the stiffest. In addition, the black paint tends to lock the joints of the screen wire together, making it less likely to unravel. Aluminum screen wire will work, but it is not as stiff. Plastic screen will not work at all because it is too flimsy.

Carefully measure the grille area, and then cut a piece of screen wire to that size. Test fit it in the cabinet to be sure of an exact, snug fit.

Next, cut a piece of  $\frac{3}{4}$ " plywood 4 inches longer and 4 inches wider than the screen wire. The extra width and length is to provide a 2-inch margin.

Select your new grille cloth and cut a piece 8 inches longer and 8 inches wider than the screen wire. The extra width and length give you something to pull on when you install the grille cloth. Most grille cloth has some kind of a pattern, so take this into consideration before cutting the cloth. In this way, the pattern will look right on the finished product.

Wait until your wife goes shopping, and then use her steam iron to iron the grille cloth. Iron it

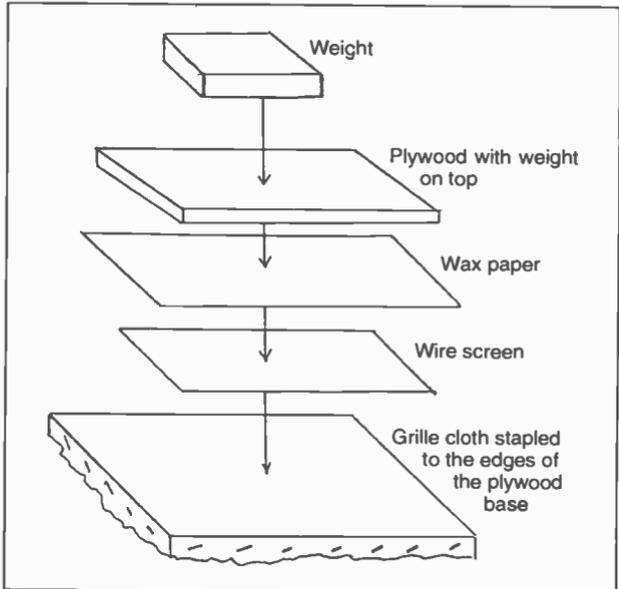


Figure 1. This simplified diagram shows the order in which a replacement grille cloth and its wire-screen backing are assembled.

on the back side until all the wrinkles are gone.

Nearly all grille cloths have a front (face) side and a reverse side. Lay the grille cloth face down on the plywood base. Staple one side of the cloth to the plywood, stapling into the edge (not the face) of the plywood, as shown in Figure 1. Then, staple the other side of the cloth to the other edge of the plywood, stretching the cloth as you staple it. Repeat this procedure for the ends. You should now have a panel with the grille cloth stretched tightly over the plywood, face down, with no wrinkles.

Now, check the pattern. If you have distorted it by unevenly stretching the cloth, remove staples and restaple as necessary to correct the problem. Take your time doing this and get it right. What you see here is what you get on the finished job.

Next, lay the wire screen on an old newspaper and spray it on one side only with a spray adhesive, such as 3M Super 77. You can find this product in most hardware stores. Be sure all of the screen wire is covered with adhesive, but do not put on a heavy coat. You do not want it to



Figure 2. This Midwest Model 18-37 is an example of a radio cabinet in which the grille cloth must fit the angular shape of the cabinet's grille.

bleed through the screen wire or clog the openings. Let it dry for a few minutes until it is tacky.

Pick up the wire screen, turn it over so the sticky face is down, and hold it about an inch above the grille cloth. Move it around until you are satisfied that it is properly centered on the grille cloth pattern, and then lower it onto the grille cloth. Smooth it out with your hands.

### THE FINAL STEP

The only remaining step is to weight the screen wire down to hold it flat against the grille cloth until the adhesive dries. Cut a piece of  $\frac{3}{4}$ " plywood to the same size as the wire screen. Before placing this plywood on the wire screen, place a layer of ordinary kitchen wax paper on the screen wire. This will prevent any adhesive that has bled through to the top of the screen wire from sticking to the plywood.

After laying the plywood in place, put some kind of weight, like a can of paint, on top of it. Wait until the adhesive has dried before removing the weight. I usually just let it stand overnight. Figure 1 shows the stack-up described above.

After removing the weight, the top plywood and the wax paper, carefully remove the staples to release the grille cloth from the base. Do not try to remove the grille cloth by using a knife or a razor blade; grille cloth should be cut only with scissors.

After you have removed all of the staples, carefully trim the grille cloth to the edge of the screen wire. Again, use only a good pair of sharp scissors.

You now have in your hands a panel of wrinkle-free grille cloth glued to a stiff screen-wire backing.

### INSTALLING THE GRILLE CLOTH

Place the grille cloth in the cabinet, molding it to fit the contours of the cabinet's grille area. In some cases, the grille cloth and screen will snap into place and stay there without any fastening at all. In most cases, it will require fastening around the edges.

If the cabinet is strong enough and thick enough, you can run a row of staples around the edges of the panel. If the cabinet is too thin or fragile for stapling, the panel can be held in

*(Continued on following page)*



Figure 3. This close-up of the Midwest 18-37 shows the angular construction of its cabinet.

*(Grille Cloths, continued)*

place with a bead of glue or sealant around the edges. On some large grille areas, you may have to use some small tacks or brads to hold the panel tightly against the center areas of the grille.

Caution: Do not put any glue on the cabinet before installing the panel. It is not necessary, and you would surely get some glue on the grille cloth where it would show.

## TWO SUCCESS STORIES

I have recently used this method to install new grille cloth in two consoles. The first one is a Midwest Model 18-37. As shown in Figure 2, the grille area is V-shaped from top to bottom. The replacement grille cloth measures 10 inches wide and 27 inches high and is held in place by staples around the edges.

Three small brads in the center were needed to hold the grille panel firmly against the vertical center rail. The closeup in Figure 3 provides a view of the angled grille cloth. The speaker is mounted on a flat plywood baffle several inches behind the grille cloth.

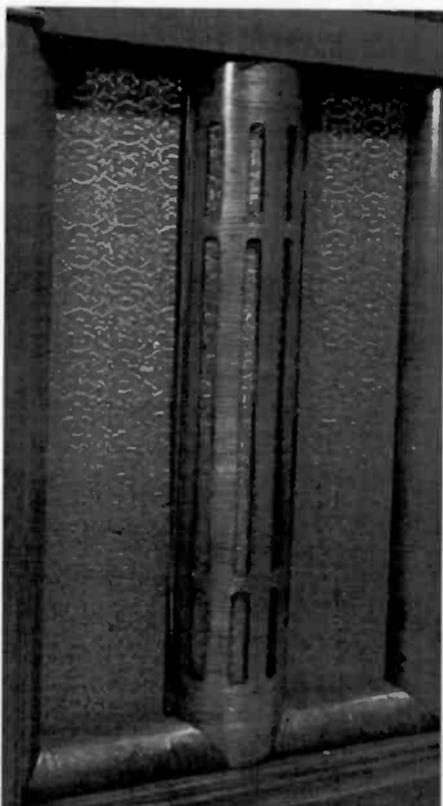


Figure 5. This close-up of the Airline console shows the difficult task that awaits the installer of new grille cloth.

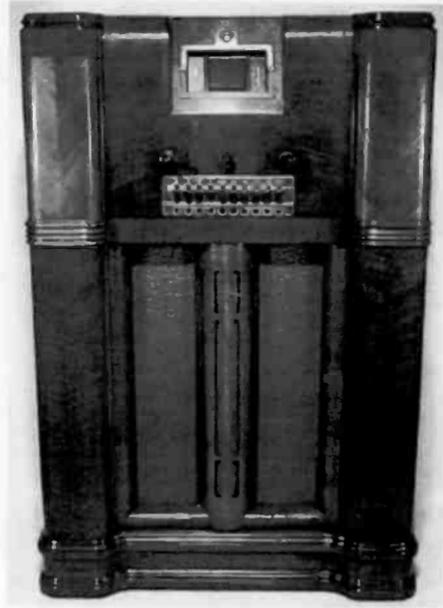


Figure 4. This Airline Model 62-403 has an unusual grille cloth configuration. In addition to the flat surfaced grille cloth at the rear, this set utilizes a curved grille cloth in its center grille.

The other console, shown in Figure 4, is an Airline 62-403 "Movie-Dial" model. This radio has two grille cloths. The first one measures 5 inches wide and 19 inches high. It fits inside the hollow, half-round vertical post in the center of the radio. In this case, it simply snapped into place and required no fastening. The main grille cloth fits over the flat speaker baffle, and is installed by stretching and stapling it over the baffle. A detailed view of the grille cloths is provided in Figure 5.

After you have completed the job, ask your wife to come to the shop and tell you how nice the new grille cloth looks. She can also take this opportunity to tell you that you forgot to unplug her iron after you ironed the grille cloth.

*(Ted Rogers, 6938 East Waco Dr., Syracuse, IN 46567)*

*Ted Rogers became hooked on radio at age 14 when he built a 1-tube shortwave set and his first reception was from Rome, Italy. At 50 cents an hour, he worked his way through high school and college during the Depression years at the Slagle Radio Repair Shop in Fort Wayne, Indiana. After service in the Signal Corps in World War II, he started his own radio repair shop, which expanded into TV, and finally into electronics. Now retired, he has come round full circle — back to collecting and restoring old radios, enjoying every minute spent on them.*



## RADIO MISCELLANEA

"Radio Miscellanea" includes items of general interest selected from A.R.C.'s incoming correspondence. "In The Marketplace" items are based on information submitted by the businesses themselves. "From The Internet" items are obtained from internet newsgroups and other internet resources. Submitted items should be verified for accuracy; items may be edited by A.R.C. for publication, and publication is not guaranteed. See the masthead for more details.

### Vintage Tube ID

Dear Editor:

Thank you for the article "Vintage Ham Photo Treasure" in the July issue of A.R.C. The tube C.R. Spicer holds in his left hand in the photo on page 13 is a Radiotron UV-204A, a triode with a thoriated tungsten cathode, which is rated at 230 watts. I have one. I can't help to identify the other tubes.

Claude J. Dellevar, Sylmar, CA

### More on Tower House Radio

Dear Editor:

The Tower House radio in the June 2001 issue of A.R.C., p. 17, is apparently the same radio with a different clock, shown in the December 1998 *Photo Review*, and listed as an "Ingraham Clock Radio, Model Unknown." Its tube complement is the following: 224, (3); 47 output, (1); and an 80 rectifier.

The wording of the metal tag on the Tower House set seems to indicate that the set is a house brand sold by the H.M. Tower Corp. "Distributor American Bosch Radio" could indicate that the set was manufactured by Bosch for the Tower Co. The knobs/dial placement, the general shape of the cabinet and grille, and the overall look of the set are reminiscent of the Bosch table sets of the period, although without the clock. 1931 would seem to be a good guess as to manufacturing date. A cruise through the first three or four volumes of John F. Rider might produce a schematic to match the set.

Dale Davenport, Fort Smith, AR

### Tennessee Radio B & B

From a news release:

The Historic Main Street Inn B & B in Wartrace, Tennessee, features antique and reproduction radios in each guestroom, the dining room, and on the porches. Innkeepers Janet and Jerry Fox "broadcast" music from the early 1920s to the mid-1950s, network shows from the 1930s to the early 1950s, and vintage commercials, and newscasts via a closed circuit "pantry radio station." With old radios, antique furnishings, and books and magazines, they have "created the atmosphere of your Grandma's house of 50 to 70 years ago."

The Inn is located about an hour south of Nashville and ten minutes off I-24. Check out the guestrooms on its Web site at [www.historicmainstreetinn.com](http://www.historicmainstreetinn.com) or call (931) 389-0389 for a brochure.

Jerry Fox, Wartrace, TN

### A.R.C. — Vital Link

Dear Editor:

I appreciate A.R.C.'s persistence in keeping the latest info, references, and suppliers coming each month. You are still a vital link in the radio collecting community.

Eric A. Miller, Linn, MO

### It is not a Tuska

Dear Editor:

I've just been rereading the July 2001 issue of A.R.C., and the pictures at the top of page 24 stopped me cold. I can't know if anyone else picked up on this, but the radio in the two pictures is no Tuska! The case, front panel, and possibly one knob are Tuska, but that's it! I owned a Tuska 301 for a while, and I know. The 301 is a 3-tube reflex set. A look at the Model 301 in Alan Douglas' *Radio Manufacturers of the 1920's* will confirm this. From the look of the coils in the picture, someone stuck a clone of a Freshman Masterpiece in there. It is true that the buyer should beware, but this is really out of line!

John G. Bayusik, Wallingford, CT

*I currently own a Tuska 301 and compared the photo (the original one supplied with the article) to my set and I agree. The panel, the center knob, and the cabinet are Tuska, but the rest is not. The VRPS crew, being 1,500 miles from where the Tuska set was built, Connecticut, can be excused from the error, but your editor, in the next state, and with 10 Tuska sets in his collection cannot.*

*However, this is why it is important to preview an auction and to be expert in what you choose to collect. (Editor)*

### Speaker ID Error

Dear Editor:

There appears to be an error in the identification of the loudspeakers on page 23 of the July 2001 issue. The speaker on the left, while it looks very much like an Atwater Kent E3, is probably a Crosley Type F Dynacone.

The dead giveaway is the pattern in the ornate grille. The speaker shown has the six small diamonds like my Crosley Dynacone, while my Atwater Kent speaker has six much larger, petal-shaped cutouts.

Both speakers are "magnetic" and use rigid "voice" coils to cause a magnetized bar to move and vibrate the cone. Mos: vintage magnetic speakers use a horse-shoe, permanent magnet as did the Atwater Kent speakers and the RCA 100 and 100A. However, the Crosley Dynacone used an electromagnet excited by the radio receiver, such as the Crosley Showbox.

An implication would be that the Crosley Dynacone speaker had to be used with a receiver that could supply 22 Vdc at 40 mA for the field, while the Atwater Kent speaker could be used with any radio wired for a magnetic speaker.

Bill Thomas, Warner Robins, GA

*Thanks for the correction. The caption should read: A Crosley Dynacone speaker (left); a Magnavox R3B horn, which, though scruffy, sold for \$150 (center); and a Baldwin speaker (right). It was our error; we misinterpreted the furnished caption. (Editor)*



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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. Since artwork is reduced to 63% in the printing process, originals must be the artwork size listed below. Do not send in artwork on art board or send negatives. Ads should be typeset or typed neatly with a carbon ribbon, black ink (not pencil) on white. 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.

Photos should be at an 85-line screen; otherwise, add \$16.00 per photo for screening. Do not cut or trim photos or glue photos to artwork; submit separately.

If you are confused by these requirements and terms, please

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 1/8-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.

Page	ARTWORK SIZE (SEND IN THIS SIZE)		As Printed (size in magazine)		Cost for 1-month	Cost for 3-months	Cost for 6-months	Cost for 12-months	One Time to make up Ad
	H x W (inches)		H x W (inches)						
Full	12 7/16 x 7 1/2		7 3/4 x 4 3/4		\$289.00	\$769.00	\$1329.00*	\$2325.00**	\$69.00†
1/2 H	5 1/4 x 7 1/2		3 5/16 x 4 3/4		146.00	389.00	675.00*	1175.00**	37.00†
1/2 V	12 7/16 x 3 9/16		7 3/4 x 2 1/4		146.00	389.00	675.00*	1175.00**	37.00†
1/4	5 1/4 x 3 9/16		3 5/16 x 2 1/4		74.00	197.00	342.00	595.00	19.00†
1/8	2 5/8 x 3 9/16		1 5/8 x 2 1/4		38.00	101.00	177.00	305.00	9.00†
Business Card (1st)	2 x 3 3/4		1 1/4 x 2 3/8		not avail.	53.00	90.00	159.00	7.00†
Business Card (2nd...)	2 x 3 3/4		1 1/4 x 2 3/8		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.



## CLASSIFIED ADS • DETAILS AND RATES

**ONE FREE 20-WORD AD** for subscribers in each issue, additional words are 29c 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. Stamps or cash are 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 two months) 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, r and n; 6, b and G; V, U, u, v and Y; A and R, S, 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].

Advertising is accepted only for early items related to radio, communication, etc. All items must be described fairly; reproductions, reprints and non-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.

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 DETAILS

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

Classified ads must have a standard heading such as **WANTED, FOR SALE, FOR TRADE, FOR SALE/TRADE, SERVICES, MESSAGE, HELP, AUCTION, MEET**, etc. 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.

To encourage varied content of the ads, the same classified ad may be run only once per issue and for only two consecutive months. (To run an ad longer, use a boxed classified or display ad.)

### Classified Ad Rates per Month

Subscribers:

- First 20 words: **FREE\***
- 29c per word for extra words over 20 **plus**
- 10c 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:

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

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

### BOXED CLASSIFIED AD DETAILS

**Deadline: 1st of the month!**

Boxed classified ads can run unchanged for three months or more. No words are free. Ads may be shaded and may include bold and all-capitalized words freely. The ad need not begin with "For Sale," etc. Minimum run is 3 months, prepaid. Discount: 10% for 6 months; 20% for 12 months.

### Boxed Classified Ad Rates per Month

Nonshaded ads:

- 40c per word for all words, \* none free, plus
- 10c per word for each bold word **plus**
- 10c per word for each all-caps word.

Shaded Ads (All words are bold at no charge):

- 50c per word for all words\* **plus**
- 10c per word for each all-caps word.

Non-Subscribers:

- Add 20c per word to above costs.

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

### 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:** Vintage Hallicrafters manuals on CD. 88 models high quality - \$15 ppd. Levy, 8 Waterloo, Morris Plains, NJ 07950. (201) 285-5321

**FOR SALE:** Complete repro'd set: Radio Retailing & Jobber, 1923-1929 (some 2,000 pages) - \$200. F.A. Paul, 1545 Raymond Ave., Glendale, CA 91201. (818) 242-8961

**FOR SALE:** Johnson isolantite sockets, transmitting, receiving - 50¢ to \$5. Plus postage. List SASE. Bill Riley, 863 W. 38th Ave., Eugene, OR 97405-2375. (541) 345-2169

**FOR SALE:** Vacuum tubes all kinds. 92,000 on hand. Send want list & SASE for prompt response. Tom Ivas, 2932 W. 99th St., Evergreen Park, IL 60805. Ph./fax: (708) 423-0528. E-mail: tivas@xnet.com

**FOR SALE:** Several small cabinets of capacitors & resistors, all values. Paul Ares, 45 Washington St. #612, Plainville, MA 02762. (508) 643-7317. E-mail: paul\_claire\_ares@hotmail.com

**FOR SALE:** 1941 & 1942 Philco escutcheon reproductions now available. Other various knobs and pushbuttons also available. Contact us for specific model numbers on escutcheons. Old Time Replications, 5744 Tobias Ave., Van Nuys, CA 91411. (818) 786-2500. E-mail: oldtimerep@aol.com. Web: <http://www.antiqeradioknobs.com>

**FOR SALE:** Heathkit Apache/Mohawk dial drum reproductions. E-mail for details. Ron Eisenbrey, 115 First St., Sugar Land, TX 77478. (281) 491-7823. E-mail: ab5wg@linuxisp.com

**FOR SALE:** Basic Electronics, Rider Navy Course - \$50. Elements of Radio, Marcus, War Department - \$25. Rich Yoch, 22410 Barlett Dr., Rocky River, OH 44116. Ph./fax: (440) 331-9206

**FOR SALE:** Signal Corps manual for BC-312-M/341-M - \$15. 1966 and 1968 Mosley catalogs - \$10. Don Behrens, 2417 W. Acacia Rd., Glendale, WI 53209. (414) 228-1980

**FOR SALE:** Rider's Perpetual Troubleshooting Manuals volume 6 through 13 - \$21 each plus shipping. Philco Model 39-6 excellent inside and out - \$55 plus shipping. Gary Haberman, 29 Woodway Rd., Plainview, NY 11803. E-mail: seniormang@aol.com

**FOR SALE:** New WD-11, #199, 1L6, 6E5, 6U5, 6G5, 6T5 and #45 equiv. Glass and plastic dial covers, phono idlers retired. SASE for four page catalog. Bill Turner, WAOABI, 1117 Pike St., Saint Charles, MO 63301. Ph./fax: (636) 949-2210

**FOR SALE:** Axial electrolytics, large quantity available, 22 Mfd 450 Vdc 105 degrees, bag of 35 - \$25; box of 210 - \$150; and master carton of 840 - \$420. Plus shipping. Steve Slater, Apex Jr., 3045 Orange Ave., La Crescenta, CA 91214. (818) 248-0416. Web: [www.apexjr.com](http://www.apexjr.com)

**FOR SALE:** I-177-B Hickok mutual cond. tube tester, manual, oak case, exc cond. - \$150 + S&H. Radio Relics, Charles Kirsten, 15556 Sandra Ln., Sylmar, CA 91342. (818) 364-0491

**FOR SALE:** B&K Model 445 picture tube tester in mint condition, manual and adapters - \$40. Harry Cap, 190 Beech St., Bridgewater, MA 02324. (508) 697-8648

.....  
**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; reproduc-  
 • tions, 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:** Vintage tube CB's, classic microphones, Ham-CB-audio manuals. LSASE for lists (specify) C. Zafonte, N1FRX, 364 Charette Hill Rd., Fort Kent, ME 04743. (207) 834-6273, eves./weekends

**FOR SALE:** 1930 Zenith 53 w/early push button tuning, Pathe Actuelle, Lincoln vacuum 3-speed record changer. James Burnett, 622 Edgewater Blvd., 101, Foster City, CA 94404. (650) 703-4053

**FOR SALE:** 7 and 9 pin miniature tubes, our choice, 100 for - \$15. Pull outs + \$5 shpg. James Fred, 5355S 275W, Cutler, IN 46920

**FOR SALE:** Zenith 8G005BT Trans-Oceanic rare overseas model with built-in power converter - \$449. 1000D leather rare - \$249. H500 mint condition - \$479. Royal 500H 5x3 speaker - \$195. Ted Demski, 5806 225 Pl. SW, Mountlake Terrace, WA 98043. Ph./fax: (425) 778-7100

**FOR SALE/TRADE:** Outstanding Zenith, RCA, Stromberg-Carlson, Delco, Majestic & Sparton consoles. Delivery Rochester! **WANTED:** Kadettes & St. Regis. Ken Nevins, C.R. Nevins Museum of Radio, 406 Jipson St., Blissfield, MI 49228. (517) 486-3019, evenings please. E-mail: [knevins@tc3net.com](mailto:knevins@tc3net.com)

**FOR SALE:** 65-year collection: radios, instruments, transmitter parts, tubes, gadgets. Come; see; take. Francis H. Yonker, P.E., W2IBH, 1229 Inverary Pl., State College, PA 16801. (814) 867-1400. E-mail: [yonker1229@home.com](mailto:yonker1229@home.com)

**FOR SALE:** Globe 80, used - \$20 ppd. Free list e-mail or LSASE. **WANTED:** Restorable Westinghouse WR15 chassis with/without speaker, reasonable price. Stan Lopes, KB6LGV, 1201 Monument Blvd. Space 74, Concord, CA 94520. (925) 825-6865. E-mail: [slopes@aol.com](mailto:slopes@aol.com)

**WANTED:** Kodak Radio Corporation homchargers, battery eliminators, radios and paper items, anything associated with Kodak. John Leming, 5 Sturbridge Dr., Cold Spring, KY 41076. (859) 441-9184 E-mail: jonlem1@hotmail.com

**WANTED:** Photocopy of instructions for Micronta Dynamic transistor checker (Radio Shack cat. # 22-025) or similar. Thank you. Alexander Kruedener, 161 East 89 St. Apt. 4E, New York, NY 10128. E-mail: Kruedener@Juno.com

**Classified Ad Deadline Noon**

**Sep. 10 for Oct. 2001 Issue**

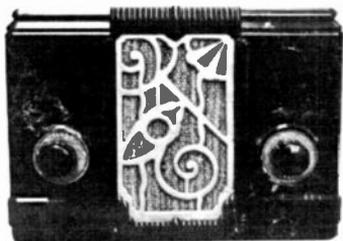
**Oct. 10 for Nov. 2001 Issue**

Boxed, Photo, & Display Ads - 1st

**WANTED:** Any European radio must have SW Table model. Richard Brill, PO Box 5367, Old Bridge, NJ 08857. (732) 607-0299. E-mail: Rgbent@aol.com

**WANTED:** Electron tubes, ball bearings, radio & aircraft, receivers & transmitters, connectors, lamps, relays, switches breakers. Hy Ness Company, 709B Delair Rd., Cranbury, NJ 08512-4212. (609) 395-1116. Fax: (609) 395-1117

**WANTED:** Any Vector item that has a 7 or 9 pin header on 1 end. Will pay - \$1 each. James Fred, 5355S 275W, Cutler, IN 46920



**WANTED:** Kadette pictured, Detrola, RCA, Air King, etc. prewar plastics. I am new to the field of collecting but have plenty of money to live with big mistakes. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

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

**WANTED:** Chassis for 1932 Airline 62-51, 12-tube superhet. Please check your inventory. Gordon Ormsby, 1855 N.W. Circle Pl., Corvallis, OR 97330. (503) 753-6398. E-mail: gormsby@trixiseng.com

**WANTED:** Vertical station selector dial for 1931 Crosley Model 58 Repwood Buddy Boy. Any help will be greatly appreciated. Original or reproduction okay. Will consider a junker chassis to get my part. Bill Wieczorek, 1116 Cummings Dr., Boulder City, NV 89005. (702) 293-2548. E-mail: swieczo101@aol.com

**WANTED:** Any 1920s Western Electric radio receivers, tuners, filters, loops. Igor Golio, 17 Addison Dr., Fairfield, NJ 07004. (973) 884-6468. E-mail: golio@lucent.com

**WANTED:** I need information on the Electronic Corporation of America. Thank you! Richard Arnold, PO Box 275, Lone Grove, OK 73443. (580) 657-3319



**WANTED:** Pilot set pictured and similar, also Pilots with drum-type dials. Pay to \$1,500 or have trades. Pay finders fee for information leading to purchase. Shipping from anywhere no problem. Thanking everyone in advance. Bill Moore, 1901 Spanish Oaks, Huntsville, AL 35803. (256) 885-0068. E-mail: bmoore2nd@aol.com

**WANTED:** Naval radio gear. Museum at oldest base in West. Non-profit Mare Island Historic Park. Kenneth Zadwick, 328 Seawind Dr., Vallejo, CA 94590. E-mail: kenz@atdia.net

**WANTED:** Wood or plastic knobs with 1-1/8 inch base. See photo at: [www.lodine.com/r/russ/oldrad](http://www.lodine.com/r/russ/oldrad). Ron Russell, 2839 Bristol Ln., Lodi, CA 95242. (209) 367-5819

**WANTED:** David Grimes table radio slant front Model 3XP. Mike Grimes, K5MLG, 3805 Appomattox Cir., Plano, TX 75023. (972) 867-6373. E-mail: grimesm@flash.net

**WANTED:** RCA 621TS television or CRT (7DP4), any pre-war television kit or factory made. John Folsom, 450 Golden Dove Ave. NE, Palm Bay, FL 32907. (321) 727-8559, after 5:30 pm, weekdays

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**Phone: (215) 540-8055**

**Fax: (215) 540-8327**

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**FOR SALE:** Two Jensen corner horns for 12-inch (or 15) woofers. Used but excellent condition - \$75 each. Can ship but Northeast best. Request drawing, further specs. Charles Graham, 4 Fieldwood Dr., Bedford Hills, NY 10507. (914) 666-4523

**FOR SALE:** Western Electric 100F loudspeaker unit & 330 telephone set - \$350. Paul Recupero, 265 Union St., Portsmouth, RI 02871-2209. (401) 847-8589

**FOR SALE:** Go ahead ... make your day!!! Lafayette sales catalog, 1940, nice condition - \$7. Martin Copeland radio speaker (Providence, RI manufacturer), very nice condition, with tag - \$35. Sonochorde cone speaker, large model, works - \$40. Small straight-neck horn speaker, no name, very decorative base - \$45. Radiola 100-A mantle type speaker, nice, works - \$35. Atwater Kent Type F4 dynamic speaker - \$30. Atwater Kent Type E large cone speaker, needs cord replacement - \$30. Newcomb Hawley large round table speaker, well-known manufacturer, works - \$30. Magnavox Type M-20 inside horn speaker - \$25. Philco parts & service book, covers all the early models - \$25. Ghirardi service data book - \$15. National NC-44 receiver, totally restored and working - \$155. GE Model L-640 (1939-1940) wood, 6-tubes 3-band, push-buttons - \$25. Philco Model 40-120, small wooden table set, with wood handle, cute set - \$25. Zenith Model F510, decent condition - \$15. Freed-Eisemann Model 50, very nice looking wooden panel, 2-dials, complete chassis - \$20. Echophone Model 40 small cathedral, missing speaker - \$30. Home brew 1-tube in portable case, uses 199 tube, nice circuit - \$20. Crosley (Model 124?) small cathedral, cabinet only, nice - \$25. Diamond shape loop antenna, manufacturer unknown - \$35. Astatic desk mike - \$15. General Radio wave meter - \$10. United Motors early style tester, Jewel type design, nice - \$15. Chelsea (Boston) adjustable grid leak, Bakelite, early - \$10. Dave Crocker, 35 Santuit Pond Rd., #4B, Mashpee, Cape Cod, MA 02649. (508) 477-1578, before 9 pm please

**FOR SALE:** PJ 068 plugs, marked Pomona 4798-0 PJ068 (WE309) new bagged 4 section plug for Collins - \$5 ea postpaid. Steve Slater, Apex Jr., 3045 Orange Ave., La Crescenta, CA 91214. (818) 248-0416. Web: www.apexjr.com

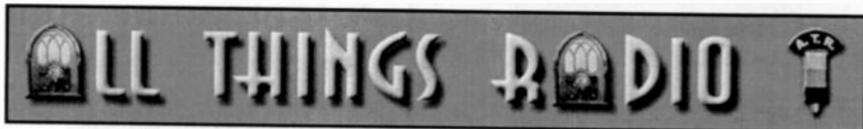
**FOR SALE:** Hallicrafters HA-2 & HA-6 with power supply & manuals - \$375. **WANTED:** Drake TR-7. Robert Braza, W1RMB, 34 Beverly Cir., Attleboro, MA 02703. (508) 222-5553

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

**FOR SALE:** Clear plastic dial covers for over 500 different old radios, some are: Addison 2; Arvin 522; Emerson 375, 400, 520, AU190; Fada 1000; Fairbanks Morse 6A; Hallicrafters S-38; Kadette 66; National 240D; Zenith 7G605, 8G005 - \$15 ea. ppd; those in bezel (frame) - \$22.50; +2.50 shipping. Schematics - \$3 ea ppd. Doyle Roberts, 6251 Hwy. 110, Clinton, AR 72031. (501) 745-6690. E-mail: drob@hypertech.net

**FOR SALE:** A great selection of books on radio, wireless, telegraphy, telephony, radar, medical electricity, etc. Come and see us at the Book Fair at AWA Rochester! Web site: <http://www.abebooks.com/home/oldauthors>, access the Electro-Technology catalog. Roger Hart, VA3OA, Old Authors Bookshop, PO Box 1176, Ogdensburg, NY 13669. (Or PO Box 403, Morrisburg, Ontario, Canada K0C 1X0.) (613) 543-3337. E-mail: authors@mor-net.on.ca

**FOR SALE:** Parting out Atwater Kent 60C. What do you need? K. Owens, 478 Sycamore Dr., Circleville, OH 43113. (740) 474-3408. E-mail: radio199@hotmail.com



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**Fax: (978) 371-7129 – E-mail: [ARC@antiqueradio.com](mailto:ARC@antiqueradio.com) – Web: [www.antiqueradio.com](http://www.antiqueradio.com)**



(Sep-01)

**FOR SALE:** 8-tracks, Eversonic, Continental, & RCA. GE #7-266OB portable radio. Bendix 736B. TCM, PO Box 363, Rotterdam Junction, NY 12150-0363

**FOR SALE:** Heathkit cantenna dummy load. Navy field strength meter. Grey National speaker. National knob pots. Western Union sounder. PM2 power transistors. Two bugs. Bill Coolahan, 1450 Miami Dr. NE, Cedar Rapids, IA 52402-2933. (319) 393-8075

**RATE FOR ADDITIONAL WORDS:**

29¢ per word

**FIRST 20 WORDS FREE!**

*Cash or stamps OK for small amounts.*

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

**FOR SALE:** RCA Victor Model 45J record changer (45 rpm) in unbroken Bakelite cabinet, as found - \$25 + postage. Radio sale web site <http://members.aol.com/dmradios/tube.html>. Donald M. Maurer, 29 S. 4th St., Lebanon, PA 17042. (717) 272-2481. E-mail: [dmradios@aol.com](mailto:dmradios@aol.com)

**FOR SALE:** Tubes tested good: 6V6G + - \$3; 12AX7 - \$5; N.O.S. JAN6L6GA - \$8; 5691 - \$30. Others. James Wright, 4307 Hwy. 166N, Maynard, AR 72444. (870) 647-2913

**FOR SALE:** 90 volumes of A.R.C 1993 thru 2000 - \$35 prepaid. M.B. Gaskins, 227 Risen Ave., Campbellsville, KY 42718. (270) 465-3755. E-mail: [mbgaskins@msn.com](mailto:mbgaskins@msn.com)

**FOR SALE:** High inductance (40 HY min.) audio chokes for regen. rcvr detector loads - \$20 ea. ppd. Joel Ekstrom, W1UGX, Box 391, Cabin John, MD 20818. (301) 469-6562

**FOR SALE:** Astatic D-104 microphone with G stand, excellent - \$40 plus UPS. Ernie Nagy, PO Box 822, Elk Rapids, MI 49629. (231) 264-9412. E-mail: [elnagy1599@webtv.net](mailto:elnagy1599@webtv.net)

**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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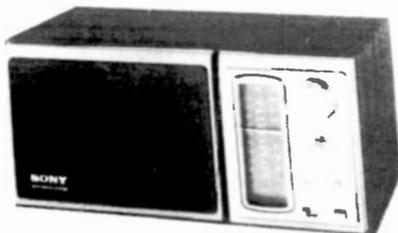
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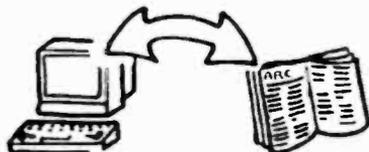
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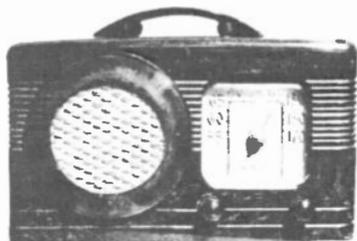
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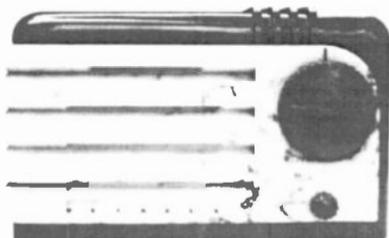
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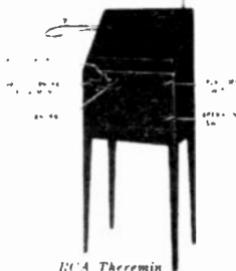
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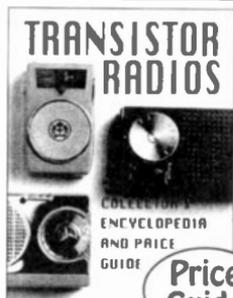
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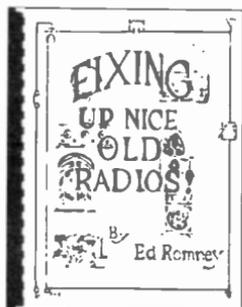
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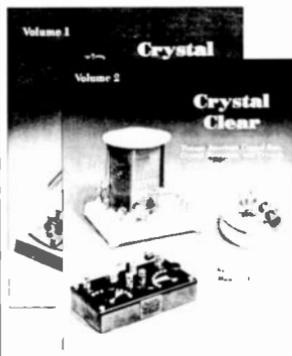
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(Sep-21)

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**FOR SALE:** Philco 46-200 - \$25. Zenith 5D011 - \$39. Emerson 653B - \$30. Emerson 268 - \$60. Others. Tom Guastella, 1633 W. 11th St., Brooklyn, NY 11223. (718) 256-8367. E-mail: [radioart223@msn.com](mailto:radioart223@msn.com)

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**FOR SALE:** Radio Rentals Model 204 English miniature tube large table radio; dial glass cracked otherwise nice; plays with included 110-220 transformer - \$35. Bell RT-65B, 3 speed r-to-r tape recorder; cosmetically good, nice mike, does not play - \$30. Go Video GV-2030X dual deck VHS recorder; recently serviced, very nice, no remote - \$90. Add shipping to prices. Cyril G. Brennan, 661 Horseshoe Curve, Pike Road, AL 36064. (334) 272-0692

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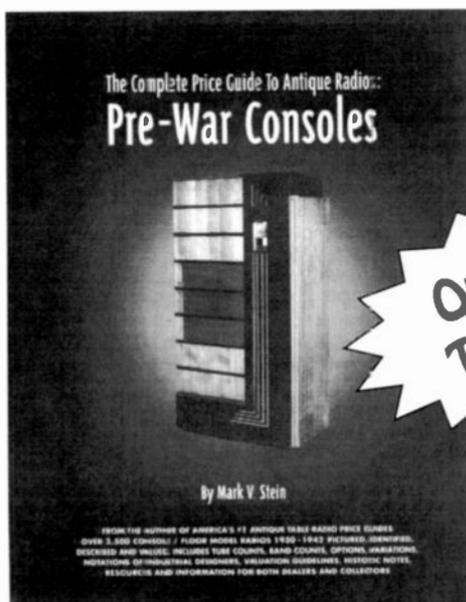
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(May-01)

**FOR SALE:** 5 amp Variac - \$35. Hammarlund HQ129X - \$175. DX-100 - \$175. Viking I - \$175. Hammarlund Super Pro - \$275. Ernest Odeneal, K5QJF, 2710 Lee, Greenville, TX 75401. (903) 455-2113 or 5788. E-mail: odeneal@pulse.net

**FOR SALE:** Hammarlund HQ145X or HQ170 meter and cover - \$35. (2) Surveyor 23-channel CBs Mod 2400 w/mics - \$50 each; for both - \$90. Hallicrafters S19 and S20R - Call. 1956 Ford car radio, has push buttons, no knobs - \$40. Mopar Dart radio, All tran. Mod 223 - \$35. Stewart Warner R180 - \$60. Zenith Royal 20 - \$35. Universal 6-transistor, Model PTR-62B, nice - \$50. Hallicrafters S120 - \$70. Raleigh transistor Model 8TR - \$15. Panisonic R-1014 - \$25. Juliette, Model APR256A - \$14. Sharp Mod TR202 - \$30. Polaroid Polavision Land Camera w/light and AC hookup w/ player & case, circa 1978, as is - \$120. Disney Pinocchio TransRadio - \$18. Snoopy TransRadio, w/paw for station pointer, no mic - \$28. Sony Triniton 9 in. color TV, Mod KV9000U, working - \$50. Stewart-Warner Military URR392, complete w/power supply and speaker, good working condition - \$215. Shure stereo preamp, Mod 64 - \$35. RCA BP10 - \$45. Heathkit condenser checker w/eye - \$35. Channel Master 6246, AM/FM/Police/MW/SW, no battery cover, has cord, plays, wooden handle - \$25. Silvertone Mod 4569 - Call; Radios for the Millions, 1943 - \$30. Pictorial History of Radio, 1967 - \$30. Classics of the Silver Screen, 1959 - \$35. Complete Encyclopedia of TV Programs, 1947-76, Vol. 1 & 2 - \$20 each; others - Call. Hallicrafters parts; radio dial belts; radio books, call or e-mail for list. All above + S&H. Also see my ad on pg. 36 of the July A.R.C. for reduced prices. Ron Crowe, PO Box 117, Handley, WV 25102. (304) 442-8179. E-mail: rcrowe@wvutec.edu

**FOR SALE:** GE octal, 6/12 volt crystal oven w/two crystals - \$4 or all six - \$22 shipped. Leroy Marshall, 1178 Foxboro Ln., Bartlett, IL 60103. (630) 483-8833



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**FOR SALE:** Zenth 8 tube radio chassis 8C21 from Model 9H081 w/tubes, bezel, loop antenna, and speaker - \$65. Sams Photofact folders, about 3,000 available, buy the entire lot or individually, call for model look-up - \$3 ea. Stromberg-Carlson Model 1121, 11-tube radio chassis, about 1942 or 1943 - \$60. Philco misc. service manuals 1960 & 1961 - \$20. Sams TSM (transistor radio service) manuals, about 40 - \$6 ea. Cornell-Dubilier AR-22 bell shaped heavy duty antenna rotors with control boxes, rebuilt - \$65 each set. Panel meters, mixed styles - \$10 for - \$20. Victor RE-45, radio with Electrola, (1929) mint original condition with original tubes and owners manual; see story A.R.C. Dec. 2000 p. 18 - \$1,200. Phono needles: about 1,000 N.O.S. call for needle number look-up. All prices plus UPS. Bob Lynn, 26 E. Orchard St., Somerville, NJ 08876. (908) 685-9070

**FOR SALE:** GE Super DX radio Model 7-2887 - \$40 BO. Also copy of Panasonic RF-4800 owners manual - \$7.50 ppd. Steve Treston, 68 Columbia St., So. Hadley, MA 01075. (800) 947-2267, ext. 315

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**WANTED:** Good working Model H speaker for a Philco 96. Dwight Hill, 1209 Royal Pointe Dr., Bloomington, IL 61704. (309) 663-7599. E-mail: hill.fam@gte.net

**WANTED:** Philco Model 51 or 52 chassis and speaker. Philco Model 80B chassis and speaker. Majestic Model 50 chassis and speaker. Lester Hobbs, 320 Herrmann, Ottumwa, IA 52501. (641) 684-6403

**WANTED:** Chassis 21/Kennedy #30/32 (ref. A.R.C. Sep. 1998, p. 9). **FOR SALE:** Tube and transistor/novelty radios, books, part, tubes and more. LSASE. Bill Horn, 13110 Marsh Rd., Bealeton, VA 22712. E-mail: wehcoll@earthlink.net

**WANTED:** On-Off volume-tone control for RCA Model 97 KG. Chassis Philco 42-395. Ray L. Mayeux, 520 Gladstone Blvd., Shreveport, LA 71104. (318) 868-1202

**WANTED:** Regency ATC-1 transistorized amateur band converter as advertised in August 1956 CQ, p. 16. Charles Combs, 508 E. Daniel St., Albany, MO 64402. (660) 726-3038

**WANTED:** Zenith 25-tube Stratosphere or cabinet, any condition. Will trade from vast supply of fine radios or buy. Will pick up. Alan Jesperson, PO Box 17338, Minneapolis, MN 55417. (612) 727-2489, 8 am-5 pm Tues.-Fri., Sat. 10-3. Fax only: (612) 824-3600. E-mail: mte612@aol.com

**WANTED:** Dynamic spkr 5" for Model 1105 (1935) Delco or complete chassis. Leon H. Baumin, 129 Azalea Dr., Harwich, MA 02645. (508) 430-0197

**WANTED: CAPEHART 111-N radio/phono console or similar, circa 1947. Contains radio and Capehart 41-E-MP record changer that automatically plays both sides of 78 rpm records. Other model Capeharts with same setup acceptable. Dan Horst, 4608 Roseville Rd., Ste. 105, N. Highlands, CA 95660. (800) 466-5311, ext. 14. Fax: (916) 331-9199. E-mail: dragon-dan@worldnet.att.net**

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**WANTED:** Air King Skyscrapers, wealthy extraterrestrial seeks examples of this architectural marvel for new intergalactic communications museum. Please write or call collect: Rain Buttignol, 214 State St., #7, Portsmouth, NH 03801. (603) 427-1384

**WANTED:** Tubes, N.O.S. I will pay the following prices for these tubes. RCA, Tung-Sol 12AX7A: \$15. Tung-Sol brown base 5881-6L6WB: \$25. RCA, GE, Tung-Sol 6L6GC: \$20. British 5AR4: \$35. RCA, GE, EL-84: \$10. EL-34: \$27. RCA, Tung-Sol, 6V6GT/A: \$10. RCA, GE 5751: \$5. Tubes must be N.O.S. in original boxes. And must pass testing and inspection. Steve Harrell, 817 Manteo St. #1, Norfolk, VA 23507. (757) 636-1996. Fax: (757) 624-3735

**WANTED:** Catalogs: Meissner, Stanwyck, Meissner, Stanwyck, Meissner, Stanwyck. They are long lost relatives, I think. Thank you and please. Noel S. Ilg, Ye Olde Radio Shoppe, 228 Beck Rd., Avon Lake, OH 44012. (440) 933-5668. Fax: (440) 933-8864

**WANTED:** CBS FM Volumax 4110. AKG BX15. Pacific recorder. FM multimiters. **FOR SALE:** Betamax tapes cheap. John Sampson, 75 Glenwood Dr., Leominster, MA 01453. (978) 537-0092. E-mail: sampsonj@massed.net

**WANTED:** Broadcast-type MICROPHONES. Early carbon, condenser, ribbons, etc. Cash or trade. James Steele, P.O. Box 620, Kingsland, GA 31548-0620. (912) 729-2242. E-mail: JSteele@k-bay106.com. Microphone collectors Internet site: <http://www.k-bay106.com/mics.htm>.

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**FOR SALE:** Stromberg-Carlson 1937 Model 240-R, 11 tubes, 3 bands; excellent condition, plays well, very collectible radio; appraised in Pre War Consoles by M.V. Stein at \$2,500 - \$2,000 pick-up only. Arnie Sanchez, 9615 Rockhurst, Houston, TX 77080. (713) 939-9221

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**FOR SALE:** Fada H-55 - \$110. Fada 263W? ivory - \$200. Freshman Masterpiece w/built-in speaker - \$125. Freed-Eisemann FE-15 - \$125. NR-5 - \$125; NR-6 - \$125; NR-7 - \$125. Grunow 670 cathedral - \$195. GE 5-22X - \$175. Graybar 310 - \$150. Philco 44 cathedral - \$225; 70 cathedral - \$295. Seinite 700? cathedral - \$210. Radiola 133S horn speaker - \$150. Radiola AR-812 w/tubes - \$200. J. Gary Cameron, 824 Andrews St., Southington, CT 06489. (860) 276-9200. E-mail: j.g.cameron@snet.net

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**FOR SALE:** 24 empty RCA Redbook literature binders; put your service notes in order; all for - \$75 plus postage. Maurer Television, 29 South 4th St., Lebanon, PA 17042. (717) 272-2481. E-mail: radiobks@aol.com

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**FOR SALE:** Motorola AC-DC Model 5M2U in a metal case - \$35. Novelty knights helmet - \$45. Norman Landis, 1315 Marbendale Ct., Kirkwood, MO 63122-6932. (314) 821-7933

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(May 01)

**FOR SALE:** (200) radio magazines, (35) radio books, (12) loose-leaf binders, 2-1/4" rings, holding Philco, Scott, Fada, RCA, etc. 1-20 Rider's manuals, Rider's index 1 thru 14, SASE. Ray Miner, 1215 Ave. B, Ft. Madison, IA 52627. (319) 372-1271

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**FOR SALE:** Collectors Encyclopedia Price Guide, Transistor Radios, Lane, 170 pp., half price - \$10. Ellsworth O. Johnson, 364 S. Coeur Dalene St., Spokane, WA 99204-1063. (509) 838-2161. E-mail: eojohnsonww2@home.com

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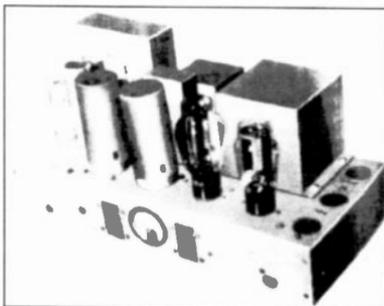
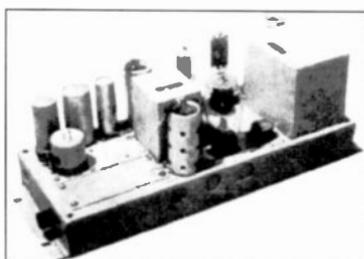
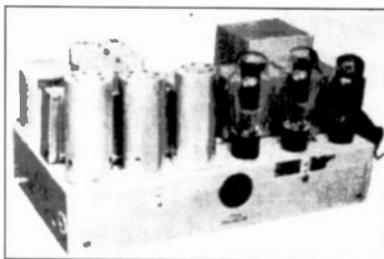
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(Jan-01)

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**SERVICES:** Hickok factory authorized contact person offering affordable, professional service, calibration, technical manuals, and assistance. Service that satisfies for 55+ years. **FOR SALE:** Put your Hickok tube tester doll in a beautiful new dress: custom built, furniture quality, natural finished, solid wood, carrying cases with all new hardware, most models for under - \$200. We offer custom fabrication of electronic accessories and parts. Pre-punched cards for Hickok, Military and W.E. Cardamatics. Manuals, manuals, manuals, for Hickok, Military, and other major makes of test equipment. We repair vintage VTVMs, signal generators, condenser testers, etc., not just tube testers. We also can provide qualified technical assistance. Where else can you get this service? Are you a serious radio collector who drives miles, waits forever, and pays big bucks for repairs that you could have the satisfaction of performing yourself? If you think collecting is fun you should try fixing. Eliminate unnecessary time wasting voltage measurement. Learn to service and align radios like the pros by using this 100 pp. copy of Service By Signal Substitution originally published by Precision Apparatus Co. to enhance the use with their model E200 RF signal generator; if you have tried to repair radios by hit or miss voltage measurements you can cut your service time by as much as 90%; the only instruments you need are a good tube tester, VTVM and last but not least a good signal generator; a diagram of the radio, hand tools, a soldering iron, and the willingness to have fun learning to service and align radios efficiently by signal substitution; I have used this principle professionally for over 55 years. I would like to share my experience and personally pass this 100 pp. copy on to you for - \$15 including S/H. Due to the previous response I am sorry to say I am out of the \$99.95 combos. I have some VTVM and signal generators left. **MESSAGE:** Warning. Learning Service By Signal Substitution can become somewhat addictive. Enjoy yourself but try not to neglect your family and friends. What started out to be a hobby became a life long vocation for many of us. **WANTED:** Dead or alive: repairable, Hickok, Precision, B&K, RCA, Triplett and Military test equipment. Need TV 71AU parts unit. Wendell E. Hall, 3 Mockingbird Cir., Jeffersonville, IN 47130 (812) 282-9709. E-mail: hickok@bellsouth.net

**SERVICES:** Antique TV repair and restoration. Also Predicta repairs. Most parts available. 40 years experience. Guaranteed work. Tom's Antique Radio & TV, 8 Howe Ln., Millbury, MA 01527. (508) 865-6293

**SERVICES:** Radio schematics/service data. 1920s to 1970s \$2.50 plus a #10 SASE. Steve Rosenfeld, PO Box 418, Manahawkin, NJ 08050. E-mail: srosenfeld@ems.att.com

**SERVICES:** Repair/replacement meters prior 1936.  
**WANTED:** Meters before 1900 as is your price. Len Cartwright, Ye Olde Meter Cellar, 23453 Rolling Hills Ct., Auburn, CA 95602. (530) 268 9170. E-mail: lencartwright@msn.com

**SERVICES:** Quality radio schematics. Rider/Sams 1920-70. 53 ppd. Give make/model. Richard A. Lerche, 1561 Bluebell Ct., Livermore, CA 94550. (925) 447-9365. E-mail: lerche@home.com

**MESSAGE:** Lost: Magnavox R-3 driver left on truck bumper at DeWitt, Iowa auction July 14. Please contact: Richard Sage, 1400 S.E. 2nd Ave., Aledo, IL 61231. (309) 582-2967. E-mail: dicklinda@mccl.net

**MESSAGE:** Send now for the World's Premier 78 rpm & Cylinder Record Auction Catalog. Nauck's Vintage Records, 6323 Inway Dr., Spring, TX 77389. E-mail: nauck@78rpm.com

**MESSAGE:** The New Jersey Antique Radio Club has a new web site: www.njarc.org. Dave Sica, 22 Oak Dr., Lansdale, PA 19446. (732) 382-0618

**HELP:** Wells-Gardiner Arcadia 72 (manufacturer). Need picture of the top escutcheon of this (1930?) small chairside radio. Call collect: Bruce C.E. Russell, 220-4411 Hastings Street East, Burnaby, British Columbia, Canada V5C 2K1. (604) 298-1038. E-mail: russellradio@telus.net

**HELP:** Need a source for alignment, schematics for German radios. Thanks! Michael K. Tremper, KC2HFR, 110 Lyncrest Ter., Cheektowaga, NY 14225. E-mail: mike.tremper@aldenscientific.com

**HELP:** Sony ICF-2001 cover screws out. How does back come off? Gabe, 485 Main, Glen Ellyn, IL 60137. (630) 469-4477, days

**HELP:** Desperately need a schematic for a home brew 1-3 tube radio utilizing a tuning eye tube in circuit. Duffy Edwards, 5616 Roe Blvd., Roeland Park, KS 66205. (913) 384-2752

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**FOR TRADE:** I would like to trade my good Amplion AR-19 metal speaker driver for your good Bakelite Amplion driver. Thanks. Jim Peters, 983 Chapel Ct. South, Glen Ellyn, IL 60137. (630) 790-9699. E-mail: akradio@compuserve.com

**FOR TRADE:** My Bendix 526 wth crack for (6) Rider's CD-ROM. Larry Brososky, 15514 Windover Trl., Ft. Wayne, IN 46845. (219) 637-5339

## ABBREVIATIONS USED IN CLASSIFIED ADS

### MISCELLANEOUS

**amp** = amplifier  
**BC** = broadcast  
**BO** = best offer  
**ca.** = circa (approx. date)  
**ea.** = each  
**F.O.B.** = free 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  
**g** = good  
**exc** = excellent  
**f** = fair  
**vg** = very good

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.



### CALIFORNIA - Sep. 1

CALIFORNIA HISTORICAL RADIO SOC.  
SWAP MEET/POT LUCK PICNIC  
Fairfield, CA - Western Railway Museum  
State Route 12

9 am

Info: CHRS Hotline - (415) 821-9800  
www.californiahistoricalradio.com

### WASHINGTON - Sep. 1

RADIO ENTHUSIASTS OF PUGET SOUND  
MEETING - 2 pm  
Seattle, WA - Queen Anne Library  
400 W. Garfield

Info: REPS, 9936 N.E. 197th Street Bothell, WA  
98041 - (206) 488-9518 - www.repsonline.org

### NEW YORK - Sep. 2

GREATER NEW YORK VINTAGE  
WIRELESS ASSOC. - SWAP MEET  
Lake Ronkonkoma, NY - 367 Hawkins Ave.  
8 am-Noon

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

### OHIO - Sep. 4

ANTIQUA RADIO COLLECTORS OF OHIO  
MEETING - 7 pm  
Dayton, OH - 2929 Hazelwood Ave.

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

### ONTARIO - Sep. 5

OTTAWA VINTAGE RADIO CLUB  
FLEA MARKET - MEETING  
Ottawa, Ont. - The Ottawa Citizen  
Conference Room, 1101 Baxter Rd.

7 pm: Flea Market - 8 pm: Meeting

Info: OVRC - (613) 832-3097 - www.ovrc.org

### VIRGINIA - Sep. 5

TIDEWATER ANTIQUE RADIO ASSOC.  
MEETING - 7 pm

Call for location & directions

Info: Vic Johnston - (757) 825-0757, eves.  
Scott Balderston - (757) 549-0449, eves.

### NEW YORK - Sep. 5-8

ANTIQUA WIRELESS ASSOCIATION  
40TH HISTORICAL RADIO CONFERENCE  
Rochester, NY - Thruway Marriott Hotel  
Easy access from New York State Thruway  
(I-90), I-390, or Rochester Airport  
(716) 381-8230 or (716) 389-8300

Theme: Stromberg-Carlson

4-day, 3-acre Antique Radio Flea Market

Sep. 5 - Wed.

6 am: Flea Market

8 am-5 pm: Conference Registration

8 am-5 pm: Book Fair

11 am-Noon: AWA Member's Forum

2 pm: News for the Shortwave Listener, Bart Lee

2-4 pm: Ladies Tea

4 pm: Key & Telegraph Seminar, Tom Perera

7-9 pm: AWA Museum & Annex

7:30 pm: Moonlight Restoration Forum, Marc Ellis

Sep. 6 - Thu.

6 am: Flea Market

8 am-5 pm: Conference Registration

8 am-5 pm: Book Fair

9 am: Communication Equipment Auction

10:30 am: Vacuum Tubes: History & Discussion, TCA

Noon: Ladies Lunch

1 pm: History of the Stromberg-Carlson Co., Lud Sibley

3-4:30 pm: Main Auction Bidder Registration

4:30-6 pm; 7:30-8 pm: Auction Preview

8 pm: Vacuum Tube Auction

Sep. 7 - Fri.

6 am: Flea Market

8 am-5 pm: Conference Registration

8 am-5 pm: Book Fair

8 am: Auction Preview

8:10 am: Annual Sightseeing Excursion

9 am: Paper Collectibles Auction

10 am-Noon; 1-4:30 pm: General Auction

11 am-Noon; 1-5 pm; 9-11 pm: Equipment Contest

3:30 pm: Review of Amateur Operation,

Mike Raide W2ZE & Bob Raide W2ZM

7 pm: Awards Banquet

Sep. 8 - Sat.

6-11 am: Flea Market

8 am: Book Fair

9 am: Stromberg-Carlson Display

10:30 am: Pre-1912 Wireless & Electrical Apparatus,

Lauren Peckham

Noon: Finale Luncheon

2-4 pm: AWA Museum Open

Info: AWA, Box E, Breesport, NY 14816

Secretary's phone - (607) 739-5443

www.antiquewireless.org

[If you can go to only one meet, make it to this one. Editor]

## **ARKANSAS – Sep. 6**

### **ANTIQUÉ RADIO COLLECTORS CLUB OF FORT SMITH – MEETING**

Fort Smith, AR – St. Luke Lutheran Church  
Waldron Road, at Free Ferry

7:30 pm

Info: Paul Tucker, 4700 N. "N" St.,  
Fort Smith, AR 72904 – (501) 782-8178

## **OHIO – Sep. 9**

### **BUCKEYÉ ANTIQUÉ RADIO & PHONO. CLUB MEETING**

Brunswick, OH – Brunswick Public Library  
3649 Center Rd.

1:30-4:30 pm

Info: Kevin Grimm – (330) 928-8341

## **OKLAHOMA – Sep. 8**

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

Oklahoma City, OK – Hometown Buffet  
1012 S.W. 74th

6 pm: Dinner – 7 pm: Meeting

Info: Jim Collings - (405) 755-4139 - jrcradio@home.com  
Frank Karner - (405) 769-4656 - fkarner@mmcable.com  
<http://members.home.net/okvrcl>

## **FLORIDA – Sep. 10**

### **JACKSONVILLE ANTIQUÉ RADIO SOCIETY MEETING – 7:30 pm**

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

Info: Sean Olin – (904) 386-8332 – radiofan@bellsouth.net  
<http://community-2.webtv.net/jarsclub/JACKSONVILLEANTIQUÉ>

## **OREGON – Sep. 8**

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

Oregon City, OR – Abernethy Grange Hall  
15745 S. Harley Ave.

8:30 am: Swap – 10 am: Meeting

Info: Ed Charman – (503) 654-7387 – <http://nwvrs.org>  
PO Box 82379, Portland, OR 97282-0379

## **GEORGIA – Sep. 10**

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

Norcross, GA – Picadilly Cafeteria  
3400 Holcomb Bridge Road

6:30 pm

Topic: Radio Apparatus

Info: Gordon Hunter – (770) 475-0713  
SARS, PO Box 1055, Tucker, GA 30085-1055

## **COLORADO – Sep. 9**

### **COLORADO RADIO COLLECTORS AUCTION – 1 pm**

Denver, CO – Museum of the Americas  
Rear Parking Lot, 863 Santa Fe Ave.

Info: Larry Weide – (303) 758-8382

## **MISSOURI – Sep. 11**

### **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 (earlier for conversation)  
Show & Tell, Swap Table

Info: Joe Tauser – (636) 677-4973 – joetauser@cs.com  
2206 Hoppe Hill, High Ridge, MO 63049

## **NEW MEXICO – Sep. 9**

### **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 – Basic Troubleshooting and  
Repair Hints, Show & Tell and Auction

Info: Chuck Burch, 39 Chaco Loop, Sandia Park,  
NM 87047 – (505) 286-9674 – [ChuckBurch@aol.com](mailto:ChuckBurch@aol.com)  
<http://members.aol.com/NMRCC>

## **N. CAROLINA – Sep. 11**

### **EAST CAROLINA ANTIQUÉ RADIO CLUB MEETING**

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

7 pm

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

## **NEW ZEALAND – Sep. 9**

### **NEW ZEALAND VINTAGE RADIO SOCIETY WELLINGTON MEETING – 1 pm**

Wellington – Tireti Hall, Te Pene Ave., Titahi Bay  
Info: Bob Hatton, 40 Rose St., Wadestown – 04-4728788

## **OHIO – Sep. 11**

### **SOC. FOR PRESERVATION OF ANTIQUÉ RADIO KNOWLEDGE – MEETING**

Kettering, OH – Party Room at Cassano's  
Pizza, 1700 E. Stroop Rd.

7:30 pm

Info: John Pansing – (937) 299-0210, PO Box 29211,  
Kettering, OH 45429 – [sparkinc@juno.com](mailto:sparkinc@juno.com)  
[www.antiqueradios.com/spark](http://www.antiqueradios.com/spark)

**MENTION A.R.C. WHEN CONTACTING CLUBS!**

## MARK YOUR CALENDAR

Sep. 1 - CA, Fairfield - CHRS Swap Meet  
Sep. 1 - WA, Seattle - REPS Meeting  
Sep. 2 - NY, Lake Ronkonkoma - GNYVWA Swap  
Sep. 4 - OH, Dayton - ARCO Meeting  
Sep. 5 - Ottawa, Ontario - OVRC Flea Market/Mtg.  
Sep. 5 - VA, TBA - TARA Meeting  
Sep. 5-8 - NY, Rochester - AWA Conference  
Sep. 6 - AR, Fort Smith - ARCCFS Meeting  
Sep. 8 - OK, Oklahoma City - OKVRC Meeting  
Sep. 8 - OR, Oregon City - NWVRS Meeting  
Sep. 9 - CO, Denver - CRC Meeting  
Sep. 9 - New Zealand, Wellington - NZVRS Meet  
Sep. 9 - NM, Albuquerque - NMRCC Meet  
Sep. 9 - OH, Brunswick - BARPC Meeting  
Sep. 10 - FL, Jacksonville - JARS Meeting  
Sep. 10 - GA, Norcross - SARS Meeting  
Sep. 11 - MO, Kirkwood - ARCH Meeting  
Sep. 11 - NC, Greenville - ECARC Meeting  
Sep. 11 - OH, Kettering - SPARK Meeting  
Sep. 11 - PA, Telford - DVHRC Meet & Auction  
Sep. 11 - TX, TBD - HVRA Meeting  
Sep. 13 - AR, Little Rock - AARC Meeting  
Sep. 13 - NV, Las Vegas - NEAR Meeting  
Sep. 13-16 - PA, Tobyhanna - MRCA 2nd Annual Meet  
Sep. 14 - NJ, Freehold - NJARC Meeting  
Sep. 15 - Australia, Melbourne - HRSA Swapmeet  
Sep. 15 - CT, E. Hartford - VRCM Swap Meet  
Sep. 15 - IN, Noblesville - IHRS Operating Radio Meet  
Sep. 15 - TX, Irving - VRPS Swap Meet  
Sep. 15 - TX, Kyle - TARC Meeting  
Sep. 15-16 - France, Sancerre - AEA Flea Market & Exhibition  
Sep. 16 - Australia, Melbourne - HRSA Meeting  
Sep. 16 - Australia, Nambucca Heads - HRSA Meeting  
Sep. 16 - MD, Burtonsville - MAARC Meeting  
Sep. 16 - MO, St. Louis - ARCH St. Louis Radiofest  
Sep. 16 - WA, Seattle - PSARA Meeting  
Sep. 17 - New Zealand, Auckland - NZVRS Meeting  
Sep. 18 - CA, Sacramento - CHRS-Sac. Meeting  
Sep. 19 - OH, Columbus - COARA Meeting  
Sep. 19 - OH, TBD - CARS Meeting  
Sep. 20 - NY, Goshen - HARPS Meeting  
Sep. 20 - OK, Tulsa - OKVRC-GCC Meeting  
Sep. 23 - British Columbia, Richmond - CVRS Mtg.  
Sep. 23 - NY, Schenectady - SARC Meeting  
Sep. 23 - UK, Birmingham - NVCF  
Sep. 24 - AL, Birmingham - AHRS Meeting  
Sep. 25 - OH, Kettering - SPARK Meeting  
Sep. 28-29 - GA, Alpharetta - SARS Fall Swap Meet  
Sep. 29 - Ontario, London - LVRC Swap Meet  
Sep. 29-30 - Australia, Canberra - Radio & Sound Fest  
Sep. 30 - France, Portet sur Garonne - AEA Flea Market  
Oct. 2 - OH, Dayton - ARCO Meeting  
Oct. 3 - Ottawa, Ontario - OVRC Flea Market/Mtg.  
Oct. 3 - VA, TBA - TARA Meeting  
Oct. 4 - AR, Fort Smith - ARCCFS Meeting  
Oct. 6 - Australia, Sydney - HRSA Swap Meet  
Oct. 6 - CA, Pismo Beach - CHRS/SCARS Swap Meet  
Oct. 6 - France, Saint-Fargeau - AEA Annual Assembly  
Oct. 6 - KY, Lexington - MSARC Meeting  
Oct. 6 - TN, Nashville - NVRC Swap Meet & Auction  
Oct. 6 - WA, Seattle - REPS Meeting  
Oct. 7 - NY, Lake Ronkonkoma - GNYVWA Swap  
Oct. 7 - WI, Hubertus - WARC Swap Meet  
Oct. 8 - GA, Norcross - SARS Meeting  
Oct. 9 - MO, Kirkwood - ARCH Meeting

## MARK YOUR CALENDAR

*(Continued from bottom left column)*

Oct. 9 - NC, Greenville - ECARC Meeting  
Oct. 9 - PA, Telford - DVHRC Meet & Auction  
Oct. 11 - AR, Little Rock - AARC Meeting  
Oct. 11 - NV, Las Vegas - NEAR Meeting  
Oct. 12 - NJ, Freehold - NJARC Meeting  
Oct. 13 - FL, Jacksonville - JARS Sale & Swap Meet  
Oct. 13 - IN, Greenfield - IHRS Fall Foliage Meet  
Oct. 13 - OK, Oklahoma City - OKVRC Meeting  
Oct. 13 - OR, Oregon City - NWVRS Meeting  
Oct. 14 - France, Clermont Ferrand - A.E.A. Radiomania 2001  
Oct. 14 - IL, Elgin - ARCI Swap Meet  
Oct. 14 - New Zealand, Wellington - NZVRS Meet  
Oct. 14 - NM, Albuquerque - NMRCC Meet  
Oct. 15 - New Zealand, Auckland - NZVRS Meeting  
Oct. 18 - Australia, Melbourne - HRSA Meeting  
Oct. 19-21 - TX, Dallas - 2001 Collins Users Conf.  
Oct. 20 - WV, Huntington - Show & Auction  
Oct. 21 - Alberta, Edmonton - CVRS Meeting  
Oct. 21 - France, Saint-Fargeau - AEA Science Day  
Oct. 21 - TX, Schertz - TARC Meeting  
Oct. 27 - KS, Leawood - MAARC Meeting  
Oct. 27 - NC, Greensboro - CC-AWA Fall Swap Meet  
Oct. 27 - NH, Nashua - NEARC Swap Meet  
Oct. 28 - IL, Olney - Auction  
Nov. 9-11 - TX, Mesquite - VRPS Convention  
Nov. 11 - NY, Rochester - AWA Membership & Board Mtg.  
Nov. 16-17 - CA, Carlsbad - SCARS Annual Meeting  
Nov. 17 - France, Venejan - A.E.A. Flea Market & Exhibition

## 2002

Feb. 1-3 - TX, TBD - HVRA Convention  
Feb. 16 - IN, Indianapolis - IHRS Winter Meet  
Feb. 17 - MA, Westford - GBARC Radio XXXIII  
May 5 - England, Birmingham - NVCF  
May 10-11 - IN, Greenfield - IHRS Spring Meet  
May 17-19 - OH, Dayton - Hamvention  
Sep. 29 - England, Birmingham - NVCF

*See expanded listing for many of these events*

## PENNSYLVANIA - Sep. 11

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

Telford, PA - Telford Community Bldg.  
Hamilton & Hamlin

7:30 pm

Info: Bill Overbeck, PO Box 847, Havertown, PA 19083  
<http://pw2.netcom.com/~firststake/dvhrc.htm>

## TEXAS - Sep. 11

HOUSTON VINTAGE RADIO ASSN.  
MEETING - 7 pm

Location TBD

Info: Bill Werzner - (713) 721-2242  
[mingqi53@earthlink.net](mailto:mingqi53@earthlink.net) - [www.clarc.org/HVRA/hvra.html](http://www.clarc.org/HVRA/hvra.html)

## Publicize Your Event

Submit your listing to A.R.C.  
[arc@antiqueradio.com](mailto:arc@antiqueradio.com) or fax: (978) 371-7129  
Or mail to: PO Box 2, Carlisle, MA 01741

### **ARKANSAS – Sep. 13**

**ARKANSAS ANTIQUE RADIO CLUB  
MEETING – 7 pm**

Call for Location and Directions  
Info: Tom Burgess – (501) 455-0773

### **NEVADA – Sep. 13**

**NEVADAN ENTHUSIASTS FOR  
ANTIQUERADIOS – MEETING**

Las Vegas, NV – Green Valley Library  
Corner of Green Valley Pkwy. & Sunset Rd.  
7 pm

Info: Cort & Eileen Ancman – (702) 312-7110  
ancman@juno.com – <http://u2.lvcm.com/radio/near/>

### **PENNSYLVANIA – Sep. 13-16**

**MILITARY RADIO COLLECTORS ASSN.  
SECOND ANNUAL MEET**

Tobyhanna, PA – Tobyhanna Army Depot  
8 am-5 pm

Info: Pete Hamersma – PO Box 467, Holderness, NH  
03245 – [pehamers@worldpath.net](mailto:pehamers@worldpath.net) – [www.milradio.org](http://www.milradio.org)

### **NEW JERSEY – Sep. 14**

**NEW JERSEY ANTIQUE RADIO CLUB  
MEETING**

Freehold, NJ – Grace Lutheran Church  
West Main St. & Park Ave. (Old Rt. 33)  
7 pm

Info: Marv Beeferman – (609) 693-9430  
Phil Vourtsis – (732) 446-2427  
[www.njarc.org](http://www.njarc.org)

### **AUSTRALIA – Sep. 15**

**HIST. RADIO SOC. OF AUSTRALIA  
MELBOURNE GROUP - SWAP MEET**

Glen Iris – St. Andrew's Uniting Church Hall  
Malvern Rd. near Burke Rd.  
1 pm

Info: Doug Ellis – (03) 9802 0577  
[www.cs.rmit.edu.au/~dnl/hrsa.html](http://www.cs.rmit.edu.au/~dnl/hrsa.html)

### **CONNECTICUT – Sep. 15**

**VINTAGE RADIO & COMMUNICATIONS MUSEUM**

East Hartford, CT – VRCM Parking Lot  
711 Main St.  
6 am

Info: John Ellsworth – (860) 673-0185  
[radioclctr@aol.com](mailto:radioclctr@aol.com) – <http://members.aol.com/radioclctr/>

*Clubs, have you set date(s) for your 2002  
annual major meets/shows/conventions?  
Submit them now for listing in Mark Your Calendar.*

### **INDIANA – Sep. 15**

**INDIANA HISTORICAL RADIO SOCIETY  
OPERATING RADIO MEET**

Noblesville, IN – Forest Park Pavilion  
8 am-2 pm

Info: Mike Feldt – (317) 844-0635 – [feldtm@iquest.net](mailto:feldtm@iquest.net)  
<http://home.att.net/~indianahistoricalradio/>

### **TEXAS – Sep. 15**

**TEXAS ANTIQUE RADIO CLUB  
MEETING – 10 am**

Kyle, TX – Railroad BBQ

Info: Jim Moffett, 218 Shannon Lee, San  
Antonio, TX 78216 – (210) 826-4938  
[www.gvvc.com/~edengel/TARC.htm](http://www.gvvc.com/~edengel/TARC.htm)

### **TEXAS – Sep. 15**

**VINTAGE RADIO & PHONO. SOCIETY  
SWAP MEET/MEETING**

Irving, TX – Senter East Building

1 pm: Swap Meet – 3 pm: Meeting

Info: George Potter – (972) 353-4862  
VRPS, PO Box 165345, Irving, TX 75016  
<http://radioremembered.org>

### **FRANCE – Sep. 15-16**

**ASSOCIATION DES AMIS DU MUSÉE DE L'ELECTRO-  
ACOUSTIQUE LES RADIOPHILES FRANÇAIS (A.E.A.)  
RADIO EXHIBITION & FLEA MARKET**

Sancerre – 18-Cher

Time TBD

Info: P. Thirot – 33(0)2 48 54 08 61  
<http://perso.wanadoo.fr/clubaee/gindex.htm>

### **AUSTRALIA – Sep. 16**

**HIST. RADIO SOC. OF AUSTRALIA  
MELBOURNE GROUP – GEN. MEETING**

Glen Iris – Gardiner Church of Christ Hall  
Malvern Rd. & Scott Grove

7:30 pm

Theme: Crystal Sets

Info: Warwick Woods – 03 9885 1030  
[wwoods@netspace.net.au](mailto:wwoods@netspace.net.au)  
[www.cs.rmit.edu.au/~dnl/hrsa.html](http://www.cs.rmit.edu.au/~dnl/hrsa.html)

*A free\* listing on these pages is available for  
each coming antique radio event. Sponsors  
should provide description of event, date,  
time, place, directions, & information/contact  
person. Since listings are on a "space  
available" basis, no guarantee of listing is  
made. \*Club/museum/non-profit events are  
listed free; other events are obtained from  
advertisements placed elsewhere in A.R.C.  
Sorry, we don't have room for hamfests.*

## **AUSTRALIA - Sep. 16**

### **HIST. RADIO SOC. OF AUSTRALIA NSW NORTH COAST GROUP MEETING**

Nambucca Heads - Ron & Margaret  
Fitzpatrick, 24 Nambucca St.

Call for Time

Theme: Two-Valve Sets

Info: Fitzpatrick - (02) 6568 7863  
[www.cs.rmit.edu.au/~dnl/hrsa.html](http://www.cs.rmit.edu.au/~dnl/hrsa.html)

## **MARYLAND - Sep. 16**

### **MID-ATLANTIC ANTIQUE RADIO CLUB MEETING - SWAP MEET - AUCTION**

Burtonsville, MD - Seventh Day Adventist  
Church, McKnew Rd.

2 pm

Info: Ed Lyon - (301) 293-1773 - [www.maarc.org](http://www.maarc.org)  
11301 Woodland Way, Myersville, MD 21773

## **MISSOURI - Sep. 16**

### **ANTIQUERADIO COLL. & HIST. OF GREATER ST. LOUIS ST. LOUIS RADIOFEST 2001**

St. Louis, MO - Affton Legion Post  
4760 Heege Road

Theme: KS D-Day

7 am-3 pm

2 pm: Auction

Info: Joe Tauser - (636) 677-4973  
[joetauser@cs.com](mailto:joetauser@cs.com)

2206 Hoppe Hill, High Ridge, MO 63049

## **WASHINGTON - Sep. 16**

### **PUGET SOUND ANTIQUE RADIO ASSOCIATION - MEETING**

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

9 am-Noon: Tailgate Swap Meet  
Noon: Meeting, Program, Show & Tell

Info: Pete Petersen - (425) 747-1323

PSARA, PO Box 2095, Snohomish, WA 98291-0125  
(360) 568-2698 - [www.eskimo.com/~hhagen/psara](http://www.eskimo.com/~hhagen/psara)

## **NEW ZEALAND - Sep. 17**

### **NEW ZEALAND VINTAGE RADIO SOCIETY AUCKLAND MEETING**

Auckland - Horticultural Soc. Hall, Chamberlain  
Park Golf Clubhouse, 990 Great North Rd.

7:30 pm

Info: Ian Sangster - [Ian.Sangster@airnz.co.nz](mailto:Ian.Sangster@airnz.co.nz)

**Attend a radio event near you, learn,  
meet others in the hobby, and perhaps  
find an item or two for your collection!**

## **CALIFORNIA - Sep. 18**

### **CALIF. HISTORICAL RADIO SOCIETY SACRAMENTO CHAPTER - MEETING**

Sacramento, CA - 1500 River Park Dr.

7 pm

Info: CHRHS Hotline - (415) 821-9800  
[www.californiahistoricalradio.com](http://www.californiahistoricalradio.com)

## **OHIO - Sep. 19**

### **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 - Sep. 19**

### **CINCINNATI ANTIQUE RADIO SOCIETY MEETING - 7:30 pm**

Call for Location

Info: Kirk Webb - (513) 231-4557

2183 Springwheel Ln., Cincinnati, OH 45244

## **NEW YORK - Sep. 20**

### **HUDSON VALLEY ANTIQUE RADIO AND PHONO. SOCIETY - MEETING**

Goshen, NY - Catawac Fire House

7 pm-9 pm

(Call to confirm details)

Info: Peter DeAngelo - (914) 496-5130

<http://members.aol.com/JBishop701/Harps.html>

## **OKLAHOMA - Sep. 20**

### **OKVRC GREEN COUNTRY CHAPTER MEETING**

Tulsa, OK - Nathan Hale Library  
6028 E. 23rd Street

7 pm

Info: Curt Lutz - (918) 251-4315 - [antigradio@aol.com](mailto:antigradio@aol.com)  
<http://members.home.net/okvrc/>

## **BRITISH COLUMBIA - Sep. 23**

### **CANADIAN VINTAGE RADIO SOCIETY BC CHAPTER - MEETING**

Time: TBA

Richmond, BC - Steveston Hotel

Info: Fred Tutt - (604) 275-2033

**Although non-members are welcome at all  
events, joining may be required at some.  
Admission is charged at some events.**

## NEW YORK - Sep. 23

### SCHENECTADY ANTIQUE RADIO CLUB MEETING

Schenectady, NY - Schenectady Museum &  
Planetarium, Knott Terrace

1:30 pm

Info: David Ellers - (518) 237-2665

Bldg. 20, Apt. 1, Corliss Park, Troy, NY 12182

<http://members.nbc.com/daveellers/homepage.htm>

## UNITED KINGDOM - Sep. 23

### NATIONAL VINTAGE COMMUNICATIONS FAIR

Birmingham, UK - NEC Hall 11 - 10:30 am-4 pm

Info: NVCF, 13 Belmont Rd., Exeter, Devon, England

Ph: (01392) 411565 - [sunpress@eurobell.co.uk](mailto:sunpress@eurobell.co.uk)

[www.angelfire.com/tx/sunpress/index.html](http://www.angelfire.com/tx/sunpress/index.html)

## ALABAMA - Sep. 24

### ALABAMA HISTORICAL RADIO SOCIETY MEETING

Birmingham, AL - Homewood Public Library  
1721 Oxmoor Road

7 pm

Info: Ron Westbrook - (205) 833-8035 - [www.ahrs.org](http://www.ahrs.org)

## OHIO - Sep. 25

### SOC. FOR PRESERVATION OF ANTIQUE RADIO KNOWLEDGE - MEETING

Kettering, OH - Party Room at Cassano's  
Pizza, 1700 E. Stroop Rd.

7:30 pm

Info: John Pansing - (937) 299-0210, PO Box 29211,

Kettering, OH 45429 - [sparkinc@juno.com](mailto:sparkinc@juno.com)

[www.antiqueradios.com/spark](http://www.antiqueradios.com/spark)

## GEORGIA - Sep. 28-29

### SOUTHEASTERN ANTIQUE RADIO SOCIETY FALL SWAP MEET

Alpharetta, GA - Fairfield Inn  
11385 Haynes Bridge Rd. - Exit 9, Ga. Hwy. 400  
(770) 663-4000 - Special rate for attendees

Fri.: 7 pm - "No Host" dinner at a local restaurant

Sat.: 8 am-Noon - Flea Market

Info: Gordon Hunter - (770) 475-0713

## SUBMISSION DEADLINE

Oct. issue is Sept. 5

Nov. issue is Oct. 5

*Please include date, time, place,  
directions, event details &  
information/contact person.*

## ONTARIO - Sep. 29

### LONDON VINTAGE RADIO CLUB MEETING

London, Ontario - JayCees

317 Adelaide St. South

1 pm

Info: Dave Cantelon - (416) 502-9128

[dcantel@city.toronto.or.ca](mailto:dcantel@city.toronto.or.ca)

[www.geocities.com/Athens/Troy/9935](http://www.geocities.com/Athens/Troy/9935)

## AUSTRALIA - Sep. 29-30

### NATIONAL CAPITAL ANTIQUE RADIO/PHONO FEST

Australia, Canberra - Junction of Farrer &  
Fawcner Streets, Braddon

Sat.

7-9 pm: Dinner & Presentations

Sun.

9 am: All Day Market

1 pm: Workshops

3 pm: Speed Auction

Info: Richard Begbie - (02) 6238-2246 - [rbegbie@atrax.net.au](mailto:rbegbie@atrax.net.au)

## FRANCE - Sep. 30

### ASSOCIATION DES AMIS DU MUSÉE DE L'ELECTRO- ACOUSTIQUE LES RADIOPHILES FRANÇAIS (A.E.A.) FLEA MARKET

Portet sur Garonne - 31-Haute-Garonne,  
Suburbs of Toulouse

Time TBD

Info: B. Van der Elst - 33(0)5 61 72 87 00

D. Falgoux - 33(0)4 42 54 22 70

[daniel.falgoux@wanadoo.fr](mailto:daniel.falgoux@wanadoo.fr)

<http://perso.wanadoo.fr/clubaea/gindex.htm>

## OHIO - Oct. 2

### ANTIQUÉ RADIO COLLECTORS OF OHIO MEETING

Dayton, OH - 2929 Hazelwood Ave.

7 pm

Info: Karl Koogler - (937) 294-8960 - [karlkrad@gemair.com](mailto:karlkrad@gemair.com)

## ONTARIO - Oct. 3

### OTTAWA VINTAGE RADIO CLUB FLEA MARKET - MEETING

Ottawa, Ont. - The Ottawa Citizen  
Conference Room, 1101 Baxter Rd.

7 pm: Flea Market - 8 pm: Meeting

Info: OVRC - (613) 832-3697 - [www.ovrc.org](http://www.ovrc.org)

## Always Updating Club List

*Please send A.R.C. the name, address, etc.  
of your club's contact person.*

### **VIRGINIA – Oct. 3**

#### **TIDEWATER ANTIQUE RADIO ASSOC. MEETING**

Call for location & directions  
7 pm

Info: Vic Johnston – (757) 825-0757, eves.  
Scott Balderston – (757) 549-0449, eves.

### **KENTUCKY – Oct. 6**

#### **MID-SOUTH ANTIQUE RADIO COLLECTORS SUMMER MEET**

Lexington, KY – TBD

Contact for Time & Location

Info: Joe Zahnen – (865) 690-5833 –  
joezah@esper.com

### **ARKANSAS – Oct. 4**

#### **ANTIQUERADIO COLLECTORS CLUB OF FORT SMITH – MEETING**

Fort Smith, AR – St. Luke Lutheran Church  
Waldron Road, at Free Ferry  
7:30 pm

Info: Paul Tucker, 4700 N. "N" St.,  
Fort Smith, AR 72904 – (501) 782-8178

### **TENNESSEE – Oct. 6**

#### **NASHVILLE VINTAGE RADIO CLUB SWAP MEET & AUCTION**

Nashville, TN – The Associated Builders &  
Contractors Bldg. (Inside), 1604 Elm Hill Pike  
7 am: Swap Meet

10:30 am: Walking Auction

Info: Larry Chambers – (615) 833-2448

### **AUSTRALIA – Oct. 6**

#### **HIST. RADIO SOC. OF AUSTRALIA SYDNEY GROUP – MEETING/AUCTION**

Sydney – 2WS Carpark

Contact for Time

Theme: Valves

Info: John McIlwaine – 02 4332 6008

Fax: 02 4333 7775 – J.J.MAC@bigpond.com  
[www.cs.rmit.edu.au/~dnl/hrsa.html](http://www.cs.rmit.edu.au/~dnl/hrsa.html)

### **WASHINGTON – Oct. 6**

#### **RADIO ENTHUSIASTS OF PUGET SOUND MEETING**

Seattle, WA – Queen Anne Library  
400 W. Garfield

2 pm

Info: REPS, 9936 N.E. 197th Street Bothell, WA  
98041 – (206) 488-9518 – [www.repsonline.org](http://www.repsonline.org)

### **CALIFORNIA – Oct. 6**

#### **CALIFORNIA HISTORICAL RADIO SOC. SO. CAL. ANTIQUE RADIO SOC. SWAP MEET/OPEN HOUSE**

Pismo Beach, CA – Oceano Airport  
561 Airpark Drive

8 am

Info: CHRS Hotline – (415) 821-9800

Dan Steele – (805) 773-8200

[www.californiahistoricalradio.com](http://www.californiahistoricalradio.com)

### **NEW YORK – Oct. 7**

#### **GREATER NEW YORK VINTAGE WIRELESS ASSOCIATION – SWAP MEET**

Lake Ronkonkoma, NY – 367 Hawkins Ave.

8 am-Noon

Info: Chris Lieppert – (631) 471-9526

Chris Bacon – (516) 437-7106

### **FRANCE – Oct. 6**

#### **ASSOCIATION DES AMIS DU MUSÉE DE L'ELECTRO- ACOUSTIQUE LES RADIOPHILES FRANÇAIS (A.E.A.) ANNUAL ASSEMBLY**

Saint Fargeau – 89-Yonne, near Auxerre  
Time TBD

Info: J.C. Montagné – 33(0)1 46 55 03 33  
f6isc@wanadoo.fr

<http://perso.wanadoo.fr/clubaea/gindex.htm>

### **WISCONSIN – Oct. 7**

#### **WISCONSIN ANTIQUE RADIO CLUB SWAP MEET**

Hubertus, WI – Richfield Chalet  
1271 Hwy. 175

8-11 am

Info: Bill Engaas – (414) 328-0223

[engaas@milwpc.com](mailto:engaas@milwpc.com)

### **GEORGIA – Oct. 8**

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

Norcross, GA – Picadilly Cafeteria  
3400 Holcomb Bridge Road

6:30 pm

Topic: RCA Radios

Info: Gordon Hunter – (770) 475-0713  
SARS, PO Box 1055, Tucker, GA 30085-1055

*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.*

## MISSOURI - Oct. 9

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

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

7:30 pm: Meeting (earlier for conversation)  
Show & Tell, Swap Table

Info: Joe Tauser - (636) 677-4973 - joetauser@cs.com  
2206 Hoppe Hill, High Ridge, MO 63049

## N. CAROLINA - Oct. 9

### 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

## PENNSYLVANIA - Oct. 9

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

Telford, PA - Telford Community Bldg.  
Hamilton & Hamlin

7:30 pm

Info: Bill Overbeck, PO Box 847, Havertown, PA 19083  
<http://pw2.netcom.com/~firstake/dvhrc.htm>

## ARKANSAS - Oct. 11

### ARKANSAS ANTIQUE RADIO CLUB MEETING

Call for Location and Directions

7 pm

Info: Tom Burgess - (501) 455-0773

## NEVADA - Oct. 11

### NEVADAN ENTHUSIASTS FOR ANTIQUERADIOS - MEETING

Las Vegas, NV - Green Valley Library  
Corner of Green Valley Pkwy. & Sunset Rd.

7 pm

Info: Cort & Eileen Ancman - (702) 312-7110  
ancman@juno.com - <http://u2.lvcv.com/radio/near/>

## NEW JERSEY - Oct. 12

### NEW JERSEY ANTIQUE RADIO CLUB MEETING

Freehold, NJ - Grace Lutheran Church  
West Main St. & Park Ave. (Old Rt. 33)

7:30 pm

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

## FLORIDA - Oct. 13

### JACKSONVILLE ANTIQUE RADIO SOCIETY RADIO SALE & SWAP MEET

Jacksonville, FL - Beach Blvd. Flea Market  
11041 Beach Blvd.

8 am-5 pm

Info: Sean Olin - (904) 386-8332 - radiofan@bellsouth.net  
<http://community-2.webtv.net/jarsclub/JACKSONVILLEANTIQUE>

## INDIANA - Oct. 13

### INDIANA HISTORICAL RADIO SOCIETY FALL FOLIAGE MEET

Greenfield, IN - Riley Park, Apple St.

Contact for Time

Info: Glenn Fitch - (765) 565-6911 - glenn.fitch@cnz.com  
Herman Gross - (765) 459-8308 - w9itt@mindspring.com  
<http://home.att.net/~indianahistoricalradio/>

## OKLAHOMA - Oct. 13

### OKLA. VINTAGE RADIO COLLECTORS MEETING

Oklahoma City, OK - Hometown Buffet  
1012 S.W. 74th

6 pm: Dinner

7 pm: Meeting

Info: Jim Collings - (405) 755-4139 - jrradio@home.com  
Frank Karner - (405) 769-4656 - fkamer@mmcable.com  
<http://members.home.net/okvrc/>

## OREGON - Oct. 13

### NORTHWEST VINTAGE RADIO SOCIETY MEETING & TAILGATE SWAP

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

8:30 am: Swap - 10 am: Meeting

Info: Ed Charman - (503) 654-7387 - <http://nwvrs.org>  
PO Box 82379, Portland, OR 97282-0379

## FRANCE - Oct. 14

### ASSOCIATION DES AMIS DU MUSÉE DE L'ELECTRO- ACOUSTIQUE LES RADIOPHILES FRANÇAIS (A.E.A.) A.E.A. RADIOMANIA 2001

Clermont Ferrand - 63-Puy de Dôme  
Time TBD

Info: J.C. Montagné - 33(0)1 46 55 03 33  
f6isc@wanadoo.fr  
<http://perso.wanadoo.fr/clubaea/gindex.htm>

## New Club Forming?

Let A.R.C. Help You Find New Members

Send your information to

[arc@antiqueradio.com](mailto:arc@antiqueradio.com) or fax: (978) 371-7129  
Or mail to: PO Box 2, Carlisle, MA 01741

## **ILLINOIS - Oct. 14**

### **ANTIQUÉ RADIO CLUB OF ILLINOIS SWAP MEET**

Elgin, IL - Ramada Inn, West Parking Lot  
345 River Rd.

7-11 am

Info: ARCI, PO Box 1139, LaGrange Park, IL 60526  
Art Bilski - (630) 739-1060 - arci31280@aol.com  
<http://members.aol.com/arci31280/arci.htm>

## **NEW MEXICO - Oct. 14**

### **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 - Unusual Tube/Radio Parts &  
Their Boxes, Show & Tell and Auction

Info: Chuck Burch, 39 Chaco Loop, Sandia Park,  
NM 87047 - (505) 286-9674 - ChuckBurch@aol.com  
<http://members.aol.com/NMRCC>

## **NEW ZEALAND - Oct. 14**

### **NEW ZEALAND VINTAGE RADIO SOCIETY WELLINGTON MEETING**

Wellington - Tireti Hall, Te Pene Ave., Titahi Bay  
1 pm

Info: Bob Hatton, 40 Rose St., Wadestown - 04-4728788

## **NEW ZEALAND - Oct. 15**

### **NEW ZEALAND VINTAGE RADIO SOCIETY AUCKLAND MEETING**

Auckland - Horticultural Soc. Hall, Chamberlain  
Park Golf Clubhouse, 990 Great North Rd.

7:30 pm

Info: Ian Sangster - [ian.Sangster@airnz.co.nz](mailto:ian.Sangster@airnz.co.nz)

## **AUSTRALIA - Oct. 18**

### **HIST. RADIO SOC. OF AUSTRALIA MELBOURNE GROUP - GEN. MEETING**

Glen Iris - Gardiner Church of Christ Hall  
Malvern Rd. & Scott Grove

7:30 pm

Theme: Early Transistor Radios  
Talk: First Aid

Info: Warwick Woods - 03 9885 1030  
[wwoods@netspace.net.au](mailto:wwoods@netspace.net.au)  
[www.cs.rmit.edu.au/~dnl/hrsa.html](http://www.cs.rmit.edu.au/~dnl/hrsa.html)

## **Does your Club have a Web Site?**

Send it to: [ARC@antiqueradio.com](mailto:ARC@antiqueradio.com)  
or fax to: (978) 371-7129  
or mail to: PO Box 2, Carlisle, MA 01741

## **TEXAS - Oct. 19-21**

### **THE DALLAS POSSE 2001 COLLINS USERS CONFERENCE**

Contact for Location & Time

Info: The Dallas Posse, PO Box 1367,  
Addison, TX 75001 - [www.dallasposse.org](http://www.dallasposse.org)

## **W. VIRGINIA - Oct. 20**

### **MUSEUM OF RADIO & TECHNOLOGY SHOW & AUCTION**

Huntington, WV - 1640 Florence Ave.

Contact for Time

Info: MRAT - (304) 525-8890  
<http://oak.cats.ohioedu/~postr/MRT>

## **ALBERTA - Oct. 21**

### **CANADIAN VINTAGE RADIO SOCIETY ALBERTA CHAPTER - MEETING**

Edmonton - Mayfield Road Save-On Store  
Community Room

2-5 pm

Info: Gordon Wilson  
[wilsons@freenet.edmonton.ab.ca](mailto:wilsons@freenet.edmonton.ab.ca)

## **FRANCE - Oct. 21**

### **ASSOCIATION DES AMIS DU MUSÉE DE L'ELECTRO- ACOUSTIQUE LES RADIOPHILES FRANÇAIS (A.E.A.) SCIENCE DAY**

Saint Fargeau - 89-Yonne, near Auxerre

Time TBD

Info: J.C. Montagné - 33(0)1 46 55 03 33  
[f6isc@wanadoo.fr](mailto:f6isc@wanadoo.fr)  
<http://perso.wanadoo.fr/clubaea/gindex.htm>

## **TEXAS - Oct. 21**

### **TEXAS ANTIQUÉ RADIO CLUB MEETING**

Schertz, TX - VFW Hall

2:30 pm

Info: Jim Moffett, 218 Shannon Lee, San  
Antonio, TX 78216 - (210) 826-4938  
[www.gvtc.com/~edengel/TARC.htm](http://www.gvtc.com/~edengel/TARC.htm)

## **KANSAS - Oct. 27**

### **MID-AMERICA ANTIQUÉ RADIO CLUB SWAP MEET**

Leawood, KS - Leawood Park

8 am

Info: John Mallery - (913) 268-7135 - [jmallery@kc.rr.com](mailto:jmallery@kc.rr.com)  
[www.geocities.com/maarc1974/index.html](http://www.geocities.com/maarc1974/index.html)

**Attend a radio event near you,  
learn, meet others in the hobby.**

## NEW HAMPSHIRE - Oct. 27

### NEW ENGLAND ANTIQUE RADIO CLUB SWAP MEET

Nashua, NH - Resurrection Center

Rt. 3 (Everett Turnpike) Exit 6

1 1/2 miles West on Rt. 130, 449 Broad St.

7:30-8 am: Real Early Admission

8-9 am: Early Admission

9 am-1 pm: General Admission

Over 100 tables - 50/50 Raffle - Catered

Old Equipment Contest

Reservations required to sell

Info: Joe Coco - (978) 343-5726

PO Box 2382, Fitchburg, MA 01420

www.oldradios.com/clubs/nearc.htm

**SUBMISSION DEADLINE: 5th OF MONTH**

## N. CAROLINA - Oct. 27

### CAROLINAS CHAPTER-AWA FALL SWAP MEET

Greensboro, NC - City Lake Park

8 am-Noon

Info: Ron Lawrence - (704) 289-1166

kc4yoy@trellis.net - www.cc-awa.org

## ILLINOIS - Oct. 28

### ERIC'S AUCTION BARN 12TH ANNUAL RADIO CONSIGNMENT AUCTION

Olney, IL - Eric's Auction Barn

1000 South-west (1 mile North of Rte. 50)

10 am

Info: Wayne Martin - martinwm@brick.net

(573) 547-4292 - 701 Northdale Dr., Perryville, MO 63755

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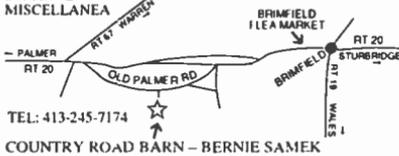
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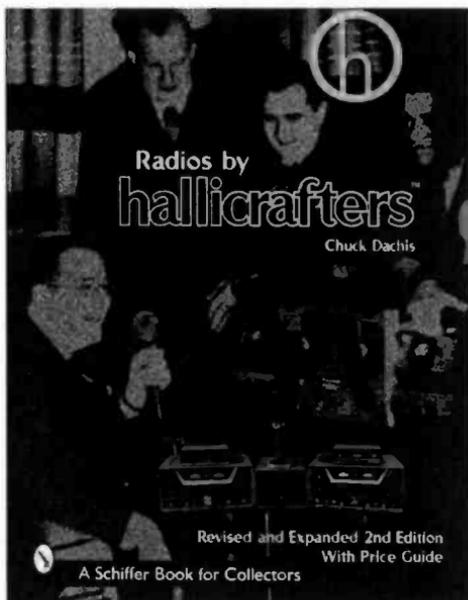
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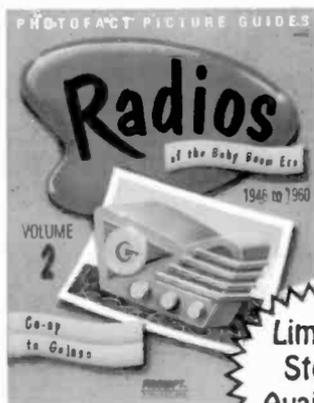
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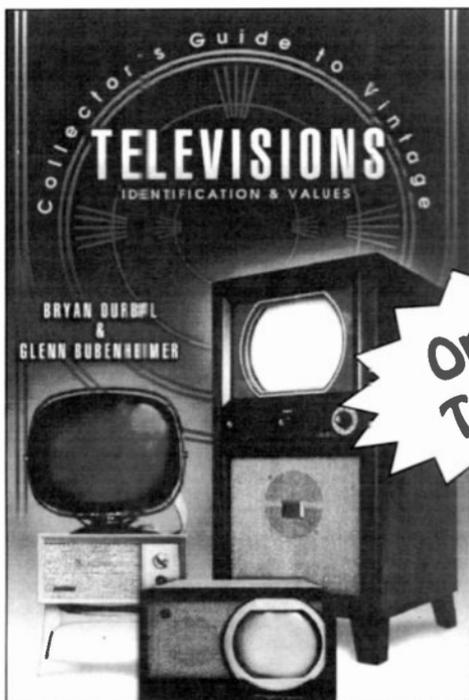
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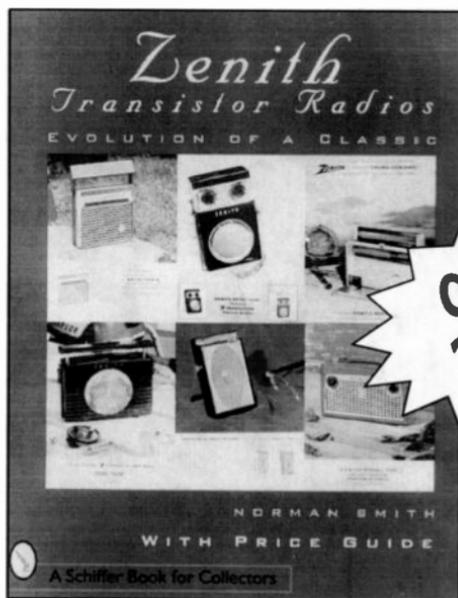
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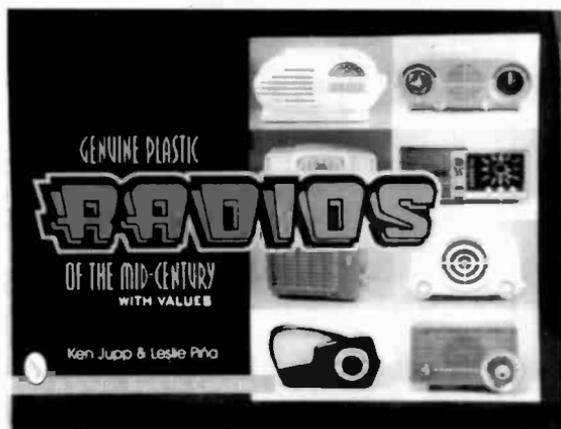
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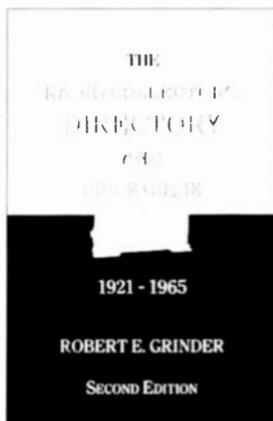
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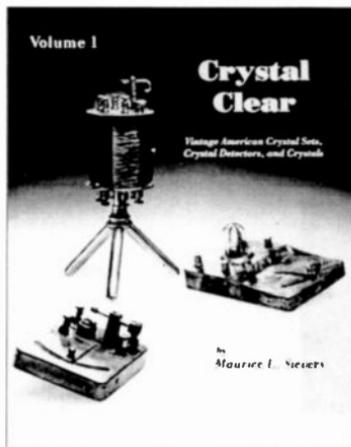


(Jan-01)

# CRYSTAL CLEAR

By Maurice L. Sievers

## Volume 1



750 Illustrations – 570 Crystal Sets  
341 Detectors – 207 Crystals  
Perfect for the beginning collector!  
Useful for the experienced too!

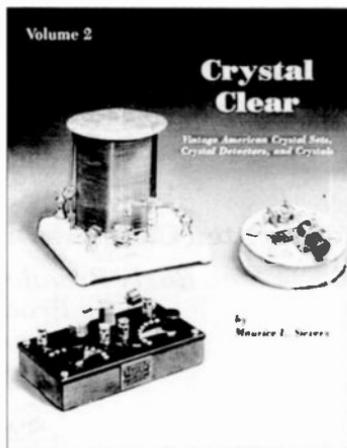
*Crystal Clear* is the most comprehensive reference for collectors, historians and anyone interested in early radio. In addition to the many excellent photos and reproductions of ads, *Crystal Clear* includes lists showing all sets by manufacturer, set name, selling price and date of manufacture. 8 1/2" x 11", 282 pages.

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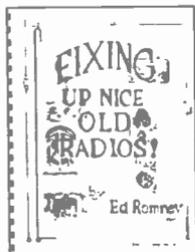
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(Jan-01)

# Restoration & Repair



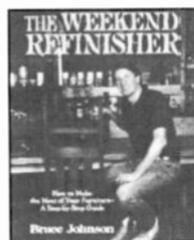
**Fixing Up Nice Old Radios, Romney.** Written by a retired radio instructor, this book covers Ohm's law, through battery sets, superhets and communications receivers. 300+ figures, 185 pgs — \$35.00

**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



**Antique Radio Restoration Guide, 2nd Ed., Johnson.** Beginner's introduction to trouble shooting and repairing AC table model radios. 1992. 145 pgs — \$14.95

**Refinishing Old Furniture, Wagoner.** Written by a furniture restoration instructor. A step-by-step guide to furniture (or radio) restoration, from removal of finishes right up to the final polish. 178 pgs — \$14.35



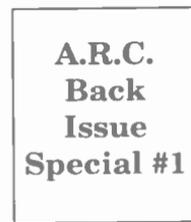
**The Weekend Refinisher, Johnson.** A complete guide to stains and finishes and tips for setting up your own workshop. A handy furniture "first aid" kit for quick repairs. Illustrated. 296 pgs — \$12.00

**Radio Diagram Sourcebook, Gray.** Valuable tool for identifying radios. Tubes used, replacement dial lamps, and I.F. frequency. Reprint of Sylvania's tube complement guide is included listing almost 10,000 radios. 290 pgs — \$18.95



**Most Often Needed 1926-38 Radio Diagrams and Servicing Information (reprint)** 600+ diagrams for mostly AC radios from '26-'38. 240 pgs. — \$18.50

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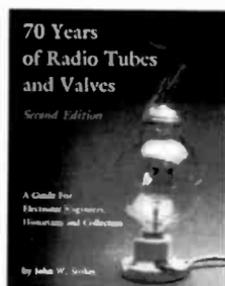
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(Feb 01)

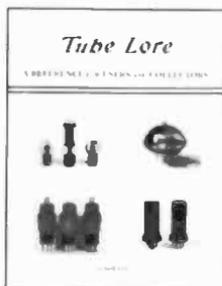
# Books About Tubes



**70 Years of Radio Tubes and Valves.** 2nd Ed., Stokes. *The thermionic vacuum tube story from 1883 through 1960. New chapter on audio application tubes, more photos, magazine ads and a new index by tube number.* 264 pgs. — \$29.95



**75 Years of Western Electric Tube Manufacturing.** Magers. *A log book history. 750+ WE tubes. Illustrated.* 133 pgs. — \$16.95

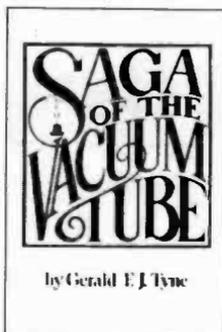


**Tube Lore,** Sibley. *Trends in tube design, receiving and audio tubes, special-purpose and transmitting tubes, military types, tips on testing, repairing, adapting various tubes, auction prices from six major sales.* 186 pgs. — \$19.95



**Radio Tubes and Boxes of the 1920s,** Fathauer. *A pictorial presentation of radio tubes of the 20s, including packaging and advertising. Over 400 color photos and illustrations.* 105 pgs. NEW — \$26.95

**NEW**



**Saga of the Vacuum Tube,** Tync. *The development of vacuum tubes - 1880 to 1930. From Edison, Thomson and Fleming to DeForest, Philips, Siemens and many more.* 100+ tube photos. 495 pgs. — \$18.95



**TubeData,** Holm. *The most comprehensive list of vacuum tubes and data in an easy-to-use program for PCs. 27,000+ tubes, includes receiving and transmitting tubes. Lists function, manufacturer, technical data, & more.* CD-ROM. — \$39.95

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(Apr-01)

# Transistor Radio Books



**The Collector's Guide to Transistor Radios 2nd Edition** by Marty & Sue Bunis. *This book will help you identify the most sought-after vintage transistor radios. Over 2,900 models listed, all with current prices. Includes radio club listing. 375 all new color photos. 5 1/2" x 8 1/2". 320 pgs. 1996. Softcover. - \$16.95*

Price Guide

**Transistor Radios: 1954-1968** by Norman Smith. *Over 1,000 transistor radios identified by manufacturer, marketing organization, type, and style. 460+ color photographs and price guide. 8 1/2" x 11". 160 pgs. Softcover - \$29.95*



Price Guide



**Transistor Radios, A Collector's Encyclopedia and Price Guide** by David Lane & Robert Lane. *Identification & price guide to over 2,500 transistor and novelty radios. History & key to collecting chapters. 8 1/2" x 11". 170 pgs. Softcover. - \$19.95*

Price Guide

**Collector's Guide to Novelty Radios** by Marty Bunis & Robert Breed. *This book is the source for novelty transistor radios in all shapes and sizes. Radios are described in detail with current prices. Over 600 color photographs. 8 1/2" x 11". 224 pgs. Softcover - \$18.95*



Price Guide



**Collector's Guide to Novelty Radios, Book II** by Marty Bunis & Robert Breed. *All new second volume takes up where the first book left off. New radios are described with current prices. Over 600 all new color photographs. 8 1/2" x 11". 208 pgs. Softcover - \$19.95*

Price Guide

**Zenith Transistor Radios, Evolution of a Classic** by Norman Smith. *A complete listing of all transistor radio models created by Zenith during the Magic Years from 1955-65. 200+ color photographs and price guide. 8 1/2" x 11". 160 pgs. Softcover - \$29.95*



Price Guide



**The Portable Radio in American Life** by Michael Schiffer. *Approximately 50 pages on transistor radios, beginning with the Regency TR-1 through to the later sets made overseas. 450 photographs, 193 transistor radios pictured. 8 1/2" x 11". 259 pgs. Softcover - \$26.95 Hardcover - \$45.00*

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(Jan 01)

# Amateur Radio Books



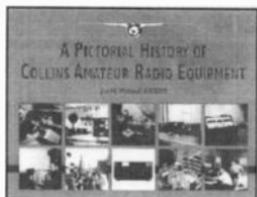
**Communications Receivers 4th Edition** by Raymond S. Moore. A comprehensive guide to 750, 1932 to 1981, vacuum tube receivers by 66 manufacturers. Three pages of military receivers. 448 radios pictured! Sharper, clearer photographs. 8 1/2" x 11", 136 pages. Softcover. — \$19.95

**Heathkit, A Guide to the Amateur Radio Products** by Chuck Penson. Documentation of all Heathkit's amateur products. 200+ sharp photos. Most products are pictured with a full-page description. 8 1/2" x 11", 256 pgs. Softcover. — \$24.95



**Radios by Hallicrafters, 2nd Ed.** by Chuck Dachis. This book includes over a thousand photographs (b/w & color) of radio receivers, transmitters, electronics accessories and advertising material. Technical descriptions are provided for every known Hallicrafters model, including dates of production, model numbers, accompanying pieces and original prices. This 2nd edition includes additional coverage of receivers and updated pricing. 8 1/2" x 11", 225 pages. Softcover. — \$29.95

**A Pictorial History of Collins Amateur Radio Equipment** by Jay Miller. The most complete story of Collins. Told in hundreds of photos & in the words of the men who made it happen. NEW. — \$39.95



Price Guide



**Shortwave Receivers Past & Present Communications Receivers 1942-1997, 3rd Edition** by Fred Osterman. This book is designed for the radio collector, the informed receiver buyer or anyone interested in the history and development of shortwave radios. Over 770 receivers from 98 manufacturers. 8 1/2" x 11", 473 pages. Softcover. — \$24.95

**Ham Price Guide, 2nd** by Eugene Rippen. Prices for over 3,800 transceivers, receivers, tuners, transmitters, amplifiers, antennas, test equipment, books, tubes and catalogs. Small print. 8 1/2" x 11", 81 pages. Softcover. — \$10.95



Price Guide



**Tube Type Transmitter Guide** by Eugene Rippen. Provides a wealth of information on transmitters and transceivers. Includes ancillary items such as linear amplifiers, converters, modulators and VFOs. Over 500 illustrations. 8 1/2" x 11", 145 pages. Softcover. — \$17.95

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(Jan-01)

# New Books for the Collector



Price  
Guide

**The Complete Price Guide to Antique Radios: Pre-War Consoles** by Mark Stein. *Identifies, grades, values & pictures 3,500 models. Tube & band count information & variations. Resource section.* 8 1/2" x 11", 240 pages. Softcover. — \$29.95

**Tube Testers and Classic Electronic Test Gear** by Alan Douglas. *Overview of pre-1970 radio test equipment. Discusses tube testing and use of testers. Compares emission, dynamic & mutual conductance testers. Tabulates and pictures testers from 23 different manufacturers. Over 300 photos & illustrations.* 8 1/2" x 11", 163 pages. Softcover. — \$25.95



**Machine Age to Jet Age** by Mark Stein. *Vol. 1, 1,400 radios, b&w photos, 8 1/2" x 11, 268 pgs., softcover. Vol. 2, 2,700 radios, b&w photos, 16 pg. color insert, 8 1/2" x 11, 372 pgs., softcover. Vol. 3, 3,000 radios, b&w photos, tube & band count info., 8 1/2" x 11", 256 pgs., softcover. Vol. 1 — \$24.95 Vol. 2 — \$28.95 Vol. 3 — \$29.95*

**The Complete Price Guide to Antique Radios: Sears Silvertone Catalogs 1930-1942** by Mark Stein. *1,000+ radios. Original advertising, options, specs & pricing. Full model cross reference matrix with tube & band counts, variations, cabinet materials & colors.* 8 1/2" x 11", 240 pages. Softcover. — \$34.95



Price  
Guide



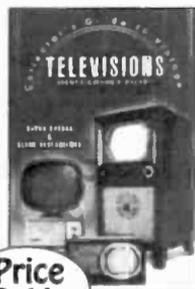
Price  
Guide



Price  
Guide

**Zenith Radio: The Early Years 1919-1935** by John Bryant and Harold Cones. *The first of a planned 3-book series explains the Zenith story. Never published photos, documents, and information. 300 photos and illustrations, 120 in color.* 8 1/2" x 11", 224 pages. Softcover. — \$29.95

**Collector's Guide to Vintage Televisions** by Bryan Durbal and Glenn Bubenheimer. *Includes information about the size of the screen, year of manufacture, cabinet composition, and current value for over 1,400 vintage TVs from 1945-1960 and transistor sets through 1980. 200+ full color photos.* 5 1/2" x 8 1/2", 176 pages. Softcover. — \$15.95



Price  
Guide



Price  
Guide

**Genuine Plastic Radios of the Mid-Century** by Ken Jupp and Leslie Piña. *Illustrates mid-century table radios made of plastic as examples of industrial design and pop-culture. Vintage B&W photos and advertisements. 439 color photos.* 8 1/4" x 11 1/4", 208 pages. Hardcover. — \$39.95

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(May-01)

# COLLECTOR BOOKS AVAILABLE FROM A.R.C.

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- Antique Radio Restoration Guide, 2nd Ed., Johnson. *Beginner's intro. to troubleshooting & repairing AC table radios.* 145 pgs. \$14.95
- The AWA Review. Vol. 6. *Hawaitan Wireless, U.K. TV, SCR-RC-BC Dir., NYC Wireless.* Vol. 7. *Polulu xmitters, Navy equipment, Arc smiters.* Vol. 8. *Keys, Federal Co., KFS-Federal-Mackay story, Nat'l Electrical Supply Co., Navy Electronics Dir.* Vol. 9. *Marconi, The Int'l Contest for Radar, Magnetron Story, F. Lowenstein, Ham Licensing.* Vol. 10. *Atwater Kent, Race for Radiotelephony, Radio Central 75th Anniversary, The Heintz and Kaufman Story, Collins Radio Co.* Vol. 11. *Scott Radio Products, National sliding coil receivers.* Vol. 12. *The Atwater-Kent Radios.* Vol. 13. *Northern Electric Co., Marconi, Radio Direction Finding, Radio Station WBT, Early Radio Stations.* Vol. 6-8, ea. \$10.00; Vol. 9-11 & 13, ea. \$20.00
- The Antique Radio Boys and the Garrulous Grebe, Dryer. *Adventure story written in the style of the '20s & '30s.* 51 pgs. \$4.95
- The Auto Radio, Matteson. *Info., photos & ads of the auto radio through the 1950s.* 316 pgs. (hardcover) \$34.95
- Audio! Audio! Hill. *A comprehensive directory of classic audio amplifiers and control units. Details of over 850 models from nearly 150 British manufacturers from the 1940s to the 1970s. Signed and numbered.* 95 pgs. \$19.95
- Behind the Front Panel, Rutland. *Reviews radio circuits and radio history. Easy descriptions.* 25 pics. 158 pgs. \$18.95
- Blast from the Past, A Pictorial History of Radio's First 75 Years, Rhoades. *The performers, programs, & technology that made radio a part of everyday life. 100s of never-before-published photos.* (hardcover) \$39.95
- Broadcasting's Forgotten Father, (Videotape, VHS), The Charles Herold story \$29.95
- Classic TVs, 2nd Printing, Wood. *Prewar to 1950s: Revised price guide. 140+ color photos, repros of catalogs & ads.* 86 pgs. \$18.95
- Collector's Guide to Antique Radios, 5th Edition, Slusser. *This price guide covers the 1920s to the 1950s. Over 9,000 models. Color photos. Updated pricing.* 264 pgs. **AVAILABLE NOW \$19.95**
- The Collector's Guide to Novelty Radios, Bunis & Breed. *Descriptions with prices.* 600+ color photos. 1994. 224 pgs. \$18.95
- The Collector's Guide to Novelty Radios, II, Bunis & Breed. *New radios & prices.* 600+ color photos. 1998. 208 pgs. \$19.95
- The Collector's Guide to Transistor Radios, 2nd Ed., Bunis. *Identifies the most sought-after vintage transistor radios. Includes club listing. Over 2,900 models, 375 all new color photos, with current prices.* 1996. 320 pgs. \$16.95
- The Collector's Guide to Vintage Televisions, Durbal & Bubenheimer. *Includes information about the size of the screen, year of manufacture, cabinet, and current value for over 1,400 vintage TVs.* 200+ color photos. 1999. 176 pgs. \$15.95
- Communication Receivers, 4th Ed., Moore. *Information on 750, 1932 to 1981, vacuum tube receivers by 66 manufacturers. 448 radios illustrated. 3 pages of military receivers.* 136 pgs. \$19.95
- The Compleat Talking Machine, 3rd Ed., Reiss. *A guide to antique phonographs. Revised price guide. Covers construction, cleaning and repairing of parts and cabinets. Over 700 pictures.* 249 pgs. \$29.95
- The Complete Price Guide to Antique Radios: Pre-War Consoles, Stein. *Identifies, grades, values & pictures 3,500 models. Tube & band count information & variations. Resource section.* 240 pgs. \$29.95
- The Complete Price Guide to Antique Radios: Sears Silvertone Catalogs 1930-1942, Stein. *1,000+ radios. Original advertising, options, specs & pricing. Full model cross reference matrix with tube & band counts, variations.* 240 pgs. **NEW \$34.95**
- Crystal Clear - Vintage American Crystal Sets, Crystal Detectors and Crystals, Sievers. Vol. 1. *Comprehensive reference with 750 illustrations, 570 crystal sets, 341 detectors, 207 crystals.* 282 pgs. \$29.95
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- Crystal Radio: History, Fundamentals, and Design, Kinzie. *Plus crystals for detectors.* 121 pgs. \$11.95
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- The Crystal Set Handbook, Anderson. *Formulas for coil inductance, a procedure for measuring coil capacitance, circuit matching theory, & more.* Vol. 3 of the Xtal Set Society Newsletter. \$11.95
- Crystal Set Loopers, a 3 Tuber and More, The Xtal Set Society. *Shortwave looper, AM/SW 3 tuber, antenna tuner/AM trap, and more.* Vol. 8 of the Xtal Set Society Newsletter. \$15.95
- Crystal Set Projects: 15 Radio Projects You Can Build, The Xtal Set Society. 160 pgs. \$14.95
- E.H. Scott Radio Collectors Guide, 1925-1946, Clark. *The reference for collectors of Scott radios, cabinets and accessories. Lists original prices of cabinets and accessories. Over 200 photos with descriptions.* 88 pgs. \$29.95
- 1940 E.H. Scott Catalog, King. *Quality reproduction of the custom built receivers. Includes radios & cabinet illustrations.* \$12.95
- Evolution of the Audio Recorder, Van Praag. *Comprehensive guide to the audio recorder.* 1997. 518 pgs. \$39.95
- Evolution of the Radio, L-W Books. *Radios pictured and priced, plus reproductions of catalog pages and ads.* Vol. 1. *Eight-hundred+ radios.* 1991. 227 pgs. 118 pgs. in color. \$22.95
- Vol. 2. *Totally different from volume one with new photos, etc.* 1993. 654 color photos. 226 pgs. \$24.95
- Fixing Up Nice Old Radios, Romney. *Written by a retired radio instructor, this book covers Ohm's law, through battery sets, superhets and communications receivers.* 1990. 300+ figures, 185 pgs. \$35.00
- Flick of the Switch, McMahon. *The classic photo reference guide for '30s - '50s radios.* 1000+ photos. 263 pgs. \$11.95
- Genuine Plastic Radios of the Mid-Century, Jupp & Pina. *Overview of plastic table radios with advertisements, vintage black & white photos.* 439 color photos. 208 pgs. (hardcover) \$39.95
- Guide to Old Radios - Pointers, Pictures & Prices, 2nd Ed., Johnson. *Introduction to radio collecting. Includes hundreds of photos and a price guide.* 1995. 272 pgs. \$19.95
- Ham Price Guide, 2nd, Rippen. *Prices for over 3,800 transceivers, receivers, tuners, transmitters, amplifiers, antennas and test equipment. Additional prices for books, tubes and catalogs.* 1999. 81 pgs. \$10.95
- Healthkit, A Guide to the Amateur Radio Products, Penson. *Documentation of all Healthkit's amateur radio products, a complete history of the company.* 200+ sharp photos. 256 pgs. \$24.95
- Index to A.R.C., 1984-99, Sibley. *Index to articles in Antique Radio Classified from 1984 through 1999.* 76 pgs. \$15.00
- L. A. Radio Manufacturing, Paul. *Radio makers in L.A. from 1922-42. Ectiophone, Gilfilian & others.* Supplement No. 1. 1993. 48 pgs. \$6.75
- Supplement No. 2. 1999. 54 pgs. \$10.90
- Machine Age to Jet Age, Stein. 3 volumes. *Pictorial reference & price guides. Virtually no overlap between volumes.* Vol. 1. *1,400 radios, B&W photos.* 268 pgs. *Updated for 2001 values & 100s of variations not previously included.* \$24.95
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- Old Radio Sets, Hill. *The development of the radio in Britain from the late Victorian era until the late 60s.* 60 photos. 32 pgs. \$4.95
- Old Telephones, Emmerson. *The development of the telephone in Britain from 1878 thru the 80s.* 50 photos. 32 pgs. \$4.95
- Old Television, Emmerson. *The development of the television in Britain until the late 60s.* 50 photos. 32 pgs. \$4.95
- 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
- The Old Timer's Bulletin, AWA. *Back issue library on 2 CD-ROMs.* Vol. 1. *Jan. 1960-Mar. 1985, searchable index.* Vol. 2. *Jun. 1985-Nov. 1996, searchable index.* **NEW \$49.95 each; two volume set \$89.95**
- Philco Condensers and More, Bintliff. *Detailed service data for Philco Bakelite block condensers, metal-cased condensers and tone controls. Pictorial guides show electrical connections and capacitor values.* 300+ illustrations. 68 pgs. \$14.95
- Philco Radio: 1928-1942, Ramirez. *A reference book on Philco. Shows receivers and company history year-by-year.* 464 color photos, 364 black & white photos and drawings. 1993. 160 pgs. \$29.95

- A Pictorial History of Collins Amateur Radio Equipment** Miller. The most complete story of Collins. Told in hundreds of photos and in the words of the men who made it happen. 1990. 175 pgs. \$39.95
- Portable Radio in American Life, 1880-1960** Traces the development of the portable radio and how it affected American culture and society. 450 photos and drawings. 259 pgs. (hardcover \$45.00) \$26.95
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Fada	F55 & 52	Yellow Light Green Maroon & Yellow Yellow & Blue Yellow & Red Emerald Gr/Yellow Blue & Yellow	1,000 1,500 1,500 2,000 3,000 4,000 4,000
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