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ANTIQUE RADIO CLASSIFIED

October 2002 • Volume 19 • Number 10

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

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ANTIQUE RADIO CLASSIFIED

Antique Radio Classified (ISSN:8750-7471) is published monthly, 12 times per year, by John V. Terrey, 498-A Cross Street, P.O. Box 2, Carlisle, MA 01741. Periodicals postage paid at Carlisle, MA, and additional mailing offices. Telephone: (866) 371-0512, 9:00 AM to 5:00 PM ET weekdays; machine answers phone at other times.

Annual subscription rates within the U.S. are $39.49 by Periodicals mail and $57.95 by First Class mail.

Annual foreign rates. By air: Canada - $61.00; Mexico - $67.00; Other foreign countries - $105.00. Surface mail: Canada - $51.00; Other foreign countries - $58.00. (Surface delivery to countries other than Canada may take two or more months and cannot be guaranteed.)

Two-year subscriptions are twice these rates and receive an extra month. Sample issues are available free on request.

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POSTMASTER: Send address changes to Antique Radio Classified, P.O. Box 2, Carlisle, MA 01741.

Printed in U.S.A.

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

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CONTACTING ANTIQUE RADIO CLASSIFIED. All correspondence should be sent to:
A.R.C., P.O. Box 2, Carlisle, MA 01741.

Only UPS, FedEx, etc. items to street address: 498-A Cross Street. Telephone: (866) 371-0512; Fax: (978) 371-7129
E-mail: ARC@antiquerradio.com
Web: www.antiquerradio.com

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EDITOR'S COMMENTS

Be warned all ye who run your own businesses — don't take a long weekend and leave your staff to engage in a nefarious plot. Remember the old adage, "When the cat's away, the mice will play"? Well, the A.R.C. "mice" had a grand old party while this "cat" was away; for an explanation, please first read "On the Cover" below.

Yes, before I left for a long weekend — in this case, for my son's wedding — my October cover choice had already been mounted on that universally recognized display space — the refrigerator. However, on my return, I found that I had been overruled — "ganged up on" might be a more accurate description. The radio community now knows that I practised what I had preached in the September Radio Miscellanea regarding relationships with women and radios: "Be sure that they 'like' you and 'tolerate' old radios."

Well, my fiancée, Sarah Ford, passed that first test last February at Radio XXXIII, and the wedding is still on. Perhaps she will join the ranks of that group we've written about from time to time — the perfect radio wife. I'll be sure to keep you posted.

To get back to serious radio subjects, the theme of home brews runs through this month's articles. Home brews often engender nostalgia, and, of course, they also have the appeal of always being bargain-priced.

William Corkutt submitted a comprehensive article about home brews using different kinds of grid-leak detectors. He also included a helpful list of references on early vacuum tube radios, and we have added a sidebar on grid leaks as defined by Gernsback in his 1927 Encyclopaedia. We don't just spread gossip as our cover implies, we also do our best to disseminate facts.

On the other hand, we also recognize that home brews can be steeped in nostalgia. In recent years, John Shultz got around to restoring his family home brew that had followed him from his pre-World War II farm days in Texas. John's writing has a definite local flavor that we called "Texas Style" — all very appropriate, you see, since Sarah and I are both Texas natives. Unfortunately, we are publishing John's article posthumously, but his family is happy to have this article as a reminder of him and the old radio so lovingly restored.

Doug Fox describes his restoration of an old home brew piece of test equipment — an oscilloscope that he has added to his test bench. If you have the necessary technical knowledge to begin such a restoration project, Doug's encouragement may be all you need.

At the risk of reinventing the permeability topic of several years ago which generated scores of responses, we've included Alton DuBois' brief description of a complex dial cord used in a Silvertone radio. Anyone who has restrung a dial cord will pray that he doesn't meet a radio with this kind of nightmare arrangement.

Richard Arnold writes about a Philco 859B that has a fairly commonplace chassis housed in an unusual cabinet. The tiger stripes are eye-catching and may be something you want to keep on the lookout for.

Photo Review once again has something for everyone. Battery set collectors' eyes will go to the 1-tube wireless receivers by Kodel and Pennsylvania Wireless, while collectors of later sets will note the Gulbransen and Stromberg-Carlson models. Even the military are represented by a Bendix low-frequency loop.

The Mid-Atlantic Antique Radio Club's annual RadioActivity is a well organized event in every respect. Eric Stenberg's report reveals a serious intent on the planners' part to meet the interests and needs of participants. The flea market flourished pretty much throughout the event; informative seminars were offered; three auctions were featured, with one auction totaling $8,000; the old equipment contest had several highlights; and the Friday night banquet was a sellout. A "walk-around" auction added liveliness to the flea market.

Ray Bintliff succumbed to the temptation of crossing the pond again this year. I myself visited Gerry Wells' museum in Dulwich, England, several years ago, but I had forgotten my camera! Fortunately, Ray's daughter made up for that loss, and has contributed a kind of photo review of the British Vintage Wireless Society's "garden party" at the Wells Museum and the later swap meet at Harpendon.

The Radio Row articles in our September issue inspired many subscribers to write in Radio Miscellanea about the their own youthful trips to that historic, now tragic scene. There they found knowledgeable salesmen ready to teach them what they needed to know. How unlike today's marketplace where mentors are in hard supply. We hope that A.R.C. often fills that gap.

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Coming Radio Events. Three auctions are among the 48 events listed for October. Several swap meets are also on the agenda, so all of you will have the opportunity to get out there and talk firsthand with your fellow collectors.

Happy Collecting!

John V. Terrey, Editor

ON THE COVER

Spread the good word! A.R.C.'s editor John Terrey is getting married at the end of October. His fiancée, Sarah Ford, was introduced to her first radio meet last February at Radio XXXIII where she made her first radio purchase — the postcard on our cover. The card was then used as a prenuptial announcement to family and friends. Welcome to radio collecting, Sarah, and best wishes to John and Sarah from the A.R.C. staff.
Early Home Brews with Grid-Leak Detectors

BY WILLIAM CORKUTT

Early detectors came in various forms, but all had a common shortcoming — poor sensitivity. The DeForest Audion and later triodes, combined with Armstrong's regenerative circuit, produced receivers with greatly improved sensitivity. The following article describes some examples of radios that employ grid-leak detectors. (Editor)

As early as 1916, David Sarnoff, future president of RCA, envisioned a music-box in every home whereby music, news, entertainment, and culture would be received by wireless. The feasibility of radio broadcasting was proved in 1920 when KDKA of Pittsburgh began broadcasting scheduled programs. The broadcast boom finally came in 1922 when everyone wanted to get into radio. Early commercial radios were expensive, so as components became more available, radio amateurs and experimenters built their own.

A TUNED-GRID, TUNED-PLATE RADIO

Figure 1 shows the panel of an early 1920s home-brew regenerative radio that employs a grid-leak triode detector. It is obviously a home brew, for there are no panel markings, no stops on the tap switches, nor any identification as to the maker. The panel measures 7" x 26" and is of varnished wood rather than Bakelite or hard rubber. The panel includes the characteristic peepholes (a hexagonal pattern, in this case) for viewing the filament color. Cherry-red was usually specified as the proper filament rheostat setting.

Figure 2 shows the rear view of the receiver. What attracted me to the panel is the small Bakelite subpanel of its own. The rear view of the receiver is shown in Figure 2. A large variable capacitor and two tap switches on the primary of the antenna coil tune the antenna circuit. The secondary rotates within the primary to provide variable coupling. A large wooden variometer in series with the secondary tunes the grid circuit of the tube. A second variometer in the plate circuit controls regeneration. The grid capacitor and grid-leak resistor are a single unit with the variable grid-leak resistor controlled by a small knob.

I obtained the radio from an A.R.C. contact. It was very dirty but otherwise intact. The wire of one variometer rotor coil had unwound and required a complete disassembly of the unit. This process provided the opportunity to study the construction of wood variometers.

These wood variometers were manufactured by the New York Coil Company and are solidly built of hardwood and heavy wire with strong spring contacts on the rotor shafts to provide good conductivity. Each variometer has a red warning label pasted on the top reading, "Not Sold for Use on Patented Circuits." The label is ironic in that this was exactly what the original builder had done, since the circuit is obviously Armstrong’s.

The radio tunes the low end of the present broadcast band up to about 1200 Kilocycles. The major drawback of the tuned-grid, tuned-plate regenerative receiver was that the plate circuit had to be retuned with each new setting of the antenna controls and grid variometer. This process made for difficult station-finding.

AN EARLY INDUCTIVE FEEDBACK RADIO

Figure 3 shows the panel of an early inductive feedback grid-leak detector. The radio is robust both in size and components. The panel measures 7" x 18" and the large knobs are 4" in diameter. It may have been a kit, for the peephole is screened and it’s doubtful that a home-brewer could craft the screen and associated metal bezel. The tap switch for varying secondary inductance is mounted on a small Bakelite subpanel of its own.

Figure 4 is the rear view. What attracted me to
What Is A Grid Leak?

Compiled FROM S. Gernsback's Radio Encyclopedia 1927

In simple terms, a "grid leak" is the resistor placed in the grid circuit. The figure at right shows typical fixed and variable grid leak resistors.

Why is a grid leak used? In order to function as a detector or amplifier, the grid of vacuum tubes must be a few volts negative, the "grid bias." The combination of a grid leak resistor in parallel with a condenser, as shown in the schematic below, allows the small current flowing to the grid to produce this negative voltage naturally.

Following are excerpts from S. Gernsback's Radio Encyclopedia 1927 to further explain, "What is a grid leak?"

GRID LEAK — A high resistance placed in the grid circuit of a vacuum tube to permit the electrons forming the grid current to leak off after each charge thus preventing their accumulating on the grid in such numbers as to stop the flow from the filament.

The grid leak may have a value ranging from about 250,000 ohms to several million ohms. The value of a grid leak is generally stated in megohms — one megohm being one million ohms. Thus a grid leak of 250,000 ohms resistance would be referred to as a 1/4-megohm leak and, similarly one having a resistance of two million ohms would be referred to as a two megohm grid leak.

Such resistances are furnished in many forms, the most common being a strip of paper impregnated with graphite or some similar high resistance preparation, placed in a glass tube and sealed to prevent moisture from affecting the value. The illustration shows a tubular type of a fixed grid leak.

Variable grid leaks, the resistance of which can be changed at will, are also furnished in an infinite variety of types, one of which is shown in the figure.

For experimental work a fairly satisfactory grid leak can be made by the simple expedient of drawing a line on a piece of cardboard with a soft pencil. — the graphite mark acting as the resistance. At each end of the cardboard is placed a binding post in contact with the graphite, each binding post being connected to opposite sides of the grid condensers.

GRID CONDENSER — A small fixed condenser, generally from 00025 to 0005 microfarad capacity, inserted in the circuit of a detector tube between the tuning coil and the grid member of the tube. The illustration shows the manner of connecting the grid condenser in a conventional detector circuit. This condenser insulates the grid from the filament by breaking the path F to G and permits the tube to act as a rectifier or detector. A resistance (called grid leak) is usually placed across this condenser to allow the accumulated charges on the grid to leak off (and place a negative voltage on the grid.)

GRID BIAS — A potential of a few volts, generally from four to six, applied to the grid of a vacuum tube. The grid bias is usually negative and determines the point of the characteristic curve at which the tube will operate.
Figure 3. The panel of an inductive feedback radio.

Figure 4. A component view of an inductive feedback radio.

A LATER GRID-LEAK DETECTOR

Figures 5 and 6 show the front panel and rear view respectively of what was to be the typical 1-tube radio for some years. It is a big radio with a 19" x 7" panel and 4" knobs for tuning and regeneration control. It is a bit more elegant than most home brews in that metal nameplates identify the function of each binding post.

The two tap switches have stops which were often ignored on home brews. A second set of binding posts, in parallel with the phone binding posts, allows two sets of earphones to be connected simultaneously. A small concentrically mounted knob on the tuning dial controls one plate of the variable capacitor for vernier tuning.

The rear view shows further refinements. The tuning/tickler coil is a commercial unit. To inhibit the effects of hand capacity tuning, tinfoil has been pasted on the rear of the panel in front of the tuning capacitor and the tuning coil. Some of the wiring consists of copper straps which seem pure overkill.

The grid leak is of the variable type. Regeneration is controlled by a rotating tickler. The peephole has been dispensed with since the set was probably meant for the newer UV201-A type tube, a tube requiring only 1/4 ampere of filament current. The radio tunes the lower end of the broadcast band.

EARLY 1920s AMATEUR GRID-LEAK DETECTOR

By 1921, the commercial and amateur services were making the transition from spark telegraphy to vacuum-tube technology. Vacuum tube transmitters produced a pure continuous wave (CW), which was keyed on and off for Morse code transmission. To receive CW, the receiver detector was made to oscillate continuously. The oscillating detector beat against the keyed signal to produce an audio frequency.

John Reinartz, a well-known Amateur, designed a detector circuit that combined capacitive and inductive feedback by using a specially wound spiderweb coil that had tapped primary, secondary and tickler windings.

Figure 7 shows the panel of a typical Reinartz grid-leak detector. It is a big radio, with the panel measuring 20" x 8". The cluster of three tap-switches are typical of Reinartz receivers, and they select the individual windings of the spiderweb coil. The two large knobs control tuning and regeneration on the selected portion. Once the regeneration controls are set, all tuning is via the tuning dial. Since tuning is very sharp, a small knob mounted above
the tuning cial provides vernier tuning.

Figure 8 shows the rear view. The spiderweb coil is mounted on a bracket for stability. The numerous taps are on the unseen side of the coil. The filament rheostat is of the compression type, the fine threads of the compression-screw providing fine filament control. There is a peep-hole; however, the tube is not in line with it. I surmise that the builder may have upgraded his radio to use the more modern Type 201-A tube, and, consequently, remounted the tube near the tuning components for shorter eads.

The radio tunes the entire modern broadcast band up to about 1600 kilocycles. This was adequate in 1921 since Amateurs were restricted to 200 meters (1500 Kilocycles) operation. Although primarily meant for Amateur use, the Reinartz circuit was popular with the public and many were homebrewed for broadcast reception during the radio boom of 1922-1923.

EPILOGUE

What had these early grid-leak detector radios in common? First, one must admire their classic simplicity — there were no extraneous parts or frills — and they performed the task they were designed for well. They were handcrafted and mounted in sturdy cabinets as if meant to last forever.

RECOMMENDED READINGS

For those interested in the history and technology of early vacuum-tube radios, I would recommend the following:

The Legacy of Edwin Howard Armstrong, published by the Radio Club of America, is a collection of articles by and about Armstrong and his inventions. The book contains his original 1915 paper, "Some Recent Developments in the Audion Receiver" and describes in detail the operation of the triode, the discovery of feedback, and early regenerative circuits.

For a detailed history of the radio patent wars which embroiled Armstrong, DeForest, and Sarnoff, there is Tom Lewis's Empire of the Air. In addition to legal and technical aspects, the book contains a wealth of information on the lives and personalities of the men involved.

The Wireless Experimenters Manual of 1920 by Elmer Bucher is a complete presentation of the radio art in 1919 just before the era of broadcasting. It describes how experimenters (usually amateurs) could build their own spark transmitters, crystal detectors, and early vacuum-tube radios. Besides the practical aspects of home-brewing, this manual includes as much radio theory as was known at the time. An interesting read in itself, it has been reprinted by Lindsay Publications Inc.

Henleys’ 222 Radio Circuit Designs of 1924 contains much information on early radio and includes the circuits of the grid-leak detectors presented in this article. It has been reprinted by Lindsay Publications Inc.

The January 1999 issue of Antique Radio Classified contains an article on "Reinartz Home Brews" which includes the Reinartz circuit and pictures of 2- and 3-tube Reinartz receivers.

References:


(William Corkutt, 26 Hillside Avenue, Monsey, N.Y. 10952)

Bill Corkutt has been collecting old radios since he bought a junker 3-dialer at a hamfest in 1993. His interest in radio dates back to the early 1950s when he served as an Army radio operator during the Korean War. He primarily collects and repairs early battery home brews. He is a retired electrical engineer and operates Amateur Radio station W2ZI.
Home-brewnig is still possible, as Doug Fox demonstrates in this article that describes how he restored and improved a home-brew oscilloscope. (Editor)

Oscilloscopes did indeed exist in the mid- to late-1930s, but they certainly do not resemble today's sophisticated instruments. The typical oscilloscope (sometimes called "oscillograph") was very simple, consisting of a power supply, a cathode ray tube (CRT) and its associated circuits, a linear sweep oscillator, and horizontal and vertical deflection amplifiers. Many scopes of this period used a 1" diameter Type 913 CRT, or a 902A 2" diameter CRT. An advantage of working with CRTs of such small size is that the accelerating potential can be fairly low, 300 VDC or less, while still achieving a sufficiently bright trace.

A real treasure trove of information on early oscilloscope CRTs can be found in RCA's booklet *Cathode-Ray Tubes and Allied Types*, Publication TS-2, published in 1935. In this book is a thorough discussion on the safe working conditions for these devices, as well as some practical scope circuits.

**MY HOME-BREW OSCILLOSCOPE**

The home-brew oscilloscope that I acquired is shown in Figure 1. The person that sold it to me had bought it at an estate sale and could...
NEW SWEEP CIRCUIT

After some searching, I found a suitable sweep circuit in an article from the April 1937 issue of Radio-Craft. This article describes the construction of a "Midget Oscilloscope." Figure 2 shows the sweep circuit that I adapted for use in my rebuilt oscilloscope.

The circuit consists of a Type 885 gas-filled thyratron triode, an internal sync control with its take-off at the plate of the vertical amplifier tube, and a switched R-C network to provide six coarse sweep frequency ranges. A fine sweep frequency control is also provided.

After studying the operating characteristics of the Type 885 triode, I realized that I would need a heater transformer with a voltage rating of 2.5 VAC, which I did not have on hand. After consulting the RCA Receiving Tube Manual RC-29, I learned that the Type 884 triode has a heater rating of 6.3 VAC. Therefore, this tube was selected for use.

I cobbled the new circuit together and began testing. I found that the Sync control could lock in fairly complex waveforms (up to about 15 kHz) connected to the vertical input. I increased the Type 884 cathode resistor to 1.5 K to achieve a more stable sawtooth sweep waveform, and I adjusted the values of the coarse frequency capacitors to obtain less overlap of ranges. I also added another 6.3 VAC heater transformer for the Type 884 triode.

The addition of the Type 884 only increased the B+ current by a few milliamperes; therefore, no changes were required for the B+ supply. Other than these changes, the circuit (Continued on following page)
is the same as the one shown in Figure 2.

**FINAL CHANGES**

As mentioned earlier, the Vertical Gain pot was defective and was replaced. Also, the CRT was susceptible to 60 Hz hum pickup from the power transformers. This was evidenced by a "wavy" trace even when the Vertical Gain pot was turned fully CCW. This condition was corrected by wrapping the CRT with 0.002" nickel alloy foil available from McMaster-Carr Supply Co. The shielded CRT can be seen in Figure 3, a bottom view of the oscilloscope.

The black wrinkle paint on the cabinet was touched up with black satin enamel. The front panel was stripped of its old paint and repainted a very dark olive green. New labels were applied to the panel for each of the knobs. Some rusty hardware was replaced and a new line cord was installed. Views of the reworked oscilloscope are shown in Figures 4 and 5.

Although this oscilloscope isn't suitable for RF work, it works perfectly well as a monitor for audio circuits, and it also works well for analyzing audio distortion. Overall, it's a good addition to my test equipment collection.

**References:**

- McMaster-Carr Supply Co., 600 County Line Rd., Elymhurst, IL 60126-2081. www.mcmaster.com

**Figure 5.** The completed oscilloscope with its repainted front panel and new legends.

Doug Fox, an electronics technician for Quantum Data, Inc. in Elgin, Ill., has had an interest in electronics, including old radios since junior high school days. He began to collect radios in earnest in 1989. Among his collecting interests are 1920s battery radios, early AC sets, Philco cathedrals, Bakelite table radios, test equipment, and early hi-fi gear. Doug welcomes correspondence from anyone about home-brewing experiences, or about collecting in general.

**A Complex Dial Drive**

**BY ALTON DUBOIS, JR.**

Here, Alton DuBois describes a complex dial drive used in a Silvertone radio. The February 1998 issue of A.R.C. included an article about permeability tuning that illustrated another complex dial arrangement. (Editor)

Some radios used dial cord tuning arrangements that seem unnecessarily complex. The dial drive arrangement, shown in Figure 1, is used in a Silvertone Model 101-B35, circa 1947. The radio uses permeability tuning — a feature that seems to result in complex dial cord stringing. The most complicated part of this set is the block and tackle type of dial drive that is a nightmare to restrin if the dial cord breaks. The combination of pulleys moves four tuning slugs and the dial pointer. The complexity of the dial drive in this set is about as bad as it gets.

(Alton DuBois, 67 Peggy Ann Rd., Queensbury, NY 12804)
The Philco Model 89B, was a popular model produced in a number of cabinet styles. Richard Arnold tells us why he believes his Model 89 is not all that common. (Editor)

The Philco 89B, produced during the model years 1932-1936, is considered to be one of the more common Philco cathedrals. I got to thinking about that. It seems that the Model 89B may be common, but not the 1933 model in the cabinet style shown in Figure 1.

The front panel veneer on this set is really nice. It has the original tiger stripes and grille cloth. A large metal escutcheon and four rosette style knobs also help to make the good looks of this radio.

Over the years, I cannot remember ever seeing a Philco 89B in any flea market or antique store in either Oklahoma, Texas or Arkansas. I have seen a few at radio auctions, but mostly in a different cabinet style. I began to do a little more research.

A LITTLE RESEARCH

I suppose that most of us early collectors — let’s say from 1985-1992 — will remember Ron Boucher and his “Vintage Radio Services” sales catalog. These sales catalogs were sent out usually monthly and included a number of radios and radio-related items. There was a short description of each item along with the asking price. There was also a nice photo page so that you could see the item you were interested in. He offered a very large selection of vintage radios each month and many of the items were cathedrals.

I went through over forty of his photo pages, looking at radios from radios from the period of 1986 to 1992. I found lots of cathedrals, mostly Philco sets, but only one listing where he offered a 1933 Philco Model 89B in this cabinet design. There were two offered in his March 1986 issue. I purchased the better of the two for $125. I realize that his area on the East Coast and mine here in the South may not be representative of the U.S. market, but the small number of sightings might indicate that the radio is not all that common.

This cathedral cabinet style may seem common because it is also used in such models as the 19, 43, 44 and 60. However, it would seem that the 1933 Model 89B is not all that common.

CHASSIS DESIGNS

The four different cabinet designs of the Model 89B were made from January 1933 to May of 1936. Over the years there were also chassis design changes. This set has a 6-tube chassis consisting of the following types: (2) 44, (1) 36, (1) 42, (1) 75 and (1) 80. Later versions replaced the Type 36 detector/oscillator with the more modern Type 77. The beat or IF is only 260 Kc.

An earlier version of the Model 89B came in a different style cabinet and had three knobs and tuned only the broadcast band. My set has four knobs, tunes the broadcast band along with a short-wave capability of 1.5 to 3.2 Mc.

It might be interesting to find out how many of these 1933 versions are out there in the hands of collectors. If you will contact me and let me know if you have one, I will compile the information and inform ARC at a later date.

References:


(Richard Arnold, P.O. Box 275, Lone Grove, OK 73443. E-mail: arnold@brightok.net)

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

BENDIX CRR-50061 LOOP — This 12" diameter, World War II aircraft, low frequency loop is more often seen in flea markets and auctions than its mate, the rarely found Navy DU-1 direction-finding receiver. It was made by Bendix in 1942, covers 200 to 1600 kHz in three bands, and has two preamplifier tubes. (Ray Chase – Plainfield, NJ)

KODEL MODEL C-11 – This tiny 1-tube radio measures only 6½" tall by 5" wide. It was manufactured in 1924 by the Kodel Mfg. Co. of Cincinnati, Ohio, and was billed as one of the smallest tube radios built. (Wally Worth – Wollaston, MA)

ADMIRAL MODEL 372-5R – This 1940 radio with a "Beetle" plastic cabinet has 5 tubes and features an "Aeroscope" antenna. It has 4 push buttons on the top. (Claude Chafin – Independence, MO)
PHOTO REVIEW

GULBRANSEN MODEL 67 — This rare chairside, manufactured in 1929, has a very ornate dial assembly on the top. It stands about 23" tall. I have not been able to find a lot about this set, but I do have the original paperwork and manual. I believe that the chassis was used in other sets the company made. Known as a maker of pianos, Gulbransen made a few radios over the years. (Tom Zenisek — Cedar Rapids, IA)

PENNSYLVANIA RECEIVER — This very early 1-tube receiver was manufactured by the Pennsylvania Wireless Mfg. Co. of New Castle, Penn. Like most pieces by this company, this one is quite rare. (Merrill Bancroft – Townsend, MA)

STROMBERG-CARLSON MODEL 245-R — This half-round console has beautiful burled walnut veneer, a lot of ornate wood carvings, and ornate round feet. The doors on the front open up to a flat front panel. It has 13 tubes and a tuning eye. (Tom Zenisek – Cedar Rapids, IA)

SATELLITE GR-150 & GR-160 TOY RADIOS — These "space radios," made in Japan in the 1960s, are germanium crystal sets that came with ear-plug phones. I have three types, in red, blue, and green. (Erwin Macho – Vienna, Austria)
John Shultz tells us about how things were down on the farm in the 1930s. His dedication to the preservation of a real symbol of family history is a lesson to us all. (Editor)

I was born on a farm in Rains County, Texas, on July 31, 1925. I had a cousin that tinkered with electronics, and he built the subject of this article in about 1930.

Can you remember the year that Joe Louis fought Jimmy Braddock? The whole community came to our house because we were the only family with a radio. We all got set around the radio ready to hear a big fight, but Joe Louis knocked Jimmy Braddock out in the beginning of the first round. Everybody was very disappointed, and they all just got up and went home.

AM broadcasting was all there was in the 1930s. Chicago was just as clear as could be before daylight, but when the sun came up, it faded out. Grand Ol' Opry from WGN in Nashville, Tennessee, did the same thing. I can still pick up Grand Ol' Opry on Saturday nights.

Some of the stations we would listen to were the following: XERA Coahuila, Mexico; KRLD, Dallas; WFAA, Dallas; WBAP, Fort Worth; WRR, Dallas; and KGKO, Dallas.

Our radio was powered by a 3-volt A battery, two B batteries, and a C battery. The A battery had to be taken to town and recharged when it got weak. We had to have an aerial strung all the way across the top of the house. From the set's four Type 30 glass tubes you could barely see any light or feel any heat at all. In those years, there was a man in Emory, Texas, about seven miles from our house, who could get the old radio going when it failed.

Back then, we just wanted some good "sound" out on the farm. In the morning, we always got up at 4 A.M. to get all the chores done before we went to the field. Dad had programs he would listen to at 6 A.M., such as The Chuck Wagon Gang, and other programs from Dallas. Midday, my dad would always come to the house from the field to eat "dinner," and at night, we had "supper," after which he had certain programs that he wanted to listen to. Every night, we listened to Amos & Andy, Lum & Abner, Gabriel Heater and the News, Lowell Thomas, the Inner-Sanctum with the squeaking door, Jack Armstrong the All American Boy, and Little Orphan Annie.

And that's what we did out on the old farm, from 1925 to 1945 when I returned from the Army, married my wife, and left the farm. The old radio went with us every time we moved, until 1999 when I restored it.

THE RESTORATION

When I started taking A.R.C. in 1999, I found an ad from a man in Corsicana, Texas, who worked on old radios. I went to see him, and he said my radio was a home-brew radio. He got it playing again as it did in 1933. It hadn't played since 1945 when my dad died, and I stored it away. It will still bring in all the AM stations in Dallas, and I still can pick up Nashville's Grand Ol' Opry—700 airline miles from me.

However, I also did a lot of work on the set. Figures 1 and 2 show the sorry state of the radio before I worked on it. I got a new piece of 1/4" Bakelite for the front and bottom of the chassis. Figure 3 shows the chassis after I replaced the Bakelite sheets and rebuilt the radio.

The speaker cone was all broken, but I found a man in Dallas, Texas, who reconed speakers. It took him a while to find a cone for this speaker, as it's a magnet type. Now the set sounds like it used to sound.
I refinished the speaker. When I got the new grille cloth from one of A.R.C.'s ads, I put it on both sides. I also bought a battery eliminator from one of the A.R.C. ads, and it works perfectly. A place in Tempe, Arizona, supplied the 8-conductor, cloth-covered speaker wire that runs from the battery eliminator to the radio. The rebuilt radio and repaired speaker are shown in Figure 4. I put a stranded copper wire across the top of my house and ran it down into the old radio.

Figure 2. View showing how badly the chassis had deteriorated over the years.

Figure 3. The radio chassis after a new Bakelite base and a total rebuilding of the works.

Figure 4. The completely restored family radio and speaker.

You have to operate both tuning dials on the front of the set at the same time to get the station to come in. One of the dials is bad, and the numbers have worn off. I would like to know if any of your readers might have a good used dial similar to the ones I have on my radio.

I still could remember the table that the radio sat on, and what it looked like. Since I have a woodworking shop, I turned out the legs, cut out all the rest, put it all together, and sprayed it with black lacquer. It looks like the original in 1943 when I went off to the armed services.

I also took the cabinet apart, took all the old finish off, put it back together, and sprayed it with black lacquer. I put the works back into it, and, as Figure 5 shows, it looks as it did in 1943 when my dad died. What a big improvement over its unrestored state.

It sits in my den and I play it at different times, though it doesn't have the quality sound of a modern AM-FM radio.

I enjoy every issue of A.R.C. — and "so long until tomorrow," as Lowell Thomas would say back in 1933.

(John K. Shultz, Box 203, Alba, TX 75410)

John Shultz loved everything old and touched with nostalgia. He was a contractor by profession and a woodworker by avocation who could restore radios and clocks with ease. We're sorry to report that he passed away in the last year. (Editor)
RadioActivity, the Mid-Atlantic Antique Radio Club's (MAARC) premier meet, was held at the Sheraton Park Hotel in Beltsville, Maryland, on May 16-18, 2002 — a month earlier this year in an attempt to beat the heat that often accompanies it. In this we were successful, as we had two beautiful days in the mid-80s, which made for enjoyable flea marketing. Rain arrived for Saturday morning, but it had little impact, since the indoor main auction was held earlier in the day than in the past.

As is usual for this meet, the flea marketing got started Thursday morning with many of the 90 or more vendors setting up before the “official” noon start time. Action that morning was lively with additional vendors continually trickling in, causing the occasional “feeding frenzy.”

The quality of the offerings was quite good. Perhaps the tendency to withhold the nicest sets for the on-line auctions is beginning to lose favor. A live flea market does avoid the hassles of listing, shipping, and late or non-paying bidders that can make the on-line experience vexing. And let us not forget the advantages of personal interaction and first hand examination of the merchandise, plenty of which occurred on both days.

The flea market pace did slow down some on Thursday afternoon but picked up again the next morning with the arrival of vendors and buyers who could not make the previous day. Though the action mellowed again that afternoon, it generally stayed stronger throughout the day on Friday.

Several fun and informative seminars were held starting Thursday afternoon with an audience participation style offering on the topic of wood cabinet restoration led by Joe Milano. On Friday afternoon, Ed Lyon held court for his ever-popular class on electrical repair. Then Buford Chidester gave our educational sessions a strong finish with a detailed talk on speaker history and repair. All sessions were well attended.

THE CONTEST

Old Equipment Contest organizer Rod Matzko was quite pleased with the especially strong showing of high quality entries this year. Highlights:

- This interesting group display of the Realtone Comet TR-1088 and the off-brand twins made by the same manufacturer took first place in the “Transistor” category.

- The Old Equipment Contest “Best of Show” display of all 4 variants of Arvin Hopalong Cassidy novelty radios and other “Hoppy” memorabilia.
included a gorgeous display of Arvin Hopalong Cassidy novelty radios and related ephemera entered by Geoff Shearer. It featured all four variants of this set in excellent restored condition. This display won “Best of Show.”

Another impressive entry included all six of the Ampex 600-series of tape recorders sold between 1954 and 1969. Gary Alley won a blue ribbon for this table-spanning display. The fun “Blue Radio” category featured a nice Sparton mirror sled. However, it was beaten out by an equally beautiful, but less valuable, Detrola 219 “Super Pee Wee” Plaskon set, largely due to supporting documentation. The judges keep telling us this documentation stuff is an important contest component.

The theme category of Atwater Kent radios was represented with well preserved Models 5 and 10B breadboards, as well as an excellent Model 627 cathedral. The new Historic Merit Award was presented to Ron Frisbie for his “Atwater-Kent Family Album,” a large scrapbook of photos and other paper memorabilia about this renowned radio manufacturer.

Friday evening’s banquet was a sellout with 75 diners enjoying the food and camaraderie. In keeping with the theme of the meet, Ray Thompson, assisted by his wife Sheri, gave a very interesting talk on the history of the Atwater-Kent Company, complete with slides and other visual aids from his personal collection. Most impressive was the Model 40 with the brass plaque designating it as the two millionth radio set produced by Atwater-Kent. The plaque proclaims that this set was presented to President-elect Herbert Hoover in 1928. What a great piece of history that fantastic antique store find is!

THREE AUCTIONS

This year’s meet featured three auctions. The first, dubbed the “Tube, Parts, and Ephemera Auction,” was held Thursday evening. This has become a popular feature of RadioActivity meets. It is intended to provide an outlet for items of lesser value, as well as for the boxes of tubes and parts implied by the name. A total of 168 lots of such items passed the block that evening.

Higher value and quality items are encouraged for the main auction on Saturday. While no super rare or very high-end sets showed up, the quality and variety of the offerings was quite satisfying. 170 lots were presented Saturday, mostly radios in good to excellent condition. Highest bids went to the Emerson Model 411 Mickey Mouse Repwood novelty set, in fair shape, at $925, a maroon GE Model L570 Catalin set that was a bargain at $725, and a superb Atwater-Kent Model 84 cathedral at $500. Total proceeds for the two indoor auctions were just under $8000.

Shortly after the main auction, our hard working auctioneer, Brian Belanger, went out to the parking lot to call a walk-around auction for low-end and cheap items. This was an experiment to replace our popular silent auction with something that was easier to manage. Fortunately, the rain had cleared out in time and more items changed hands smoothly and quickly. Expect to see this feature at next year’s meet. In the walk-around auction the transaction is handled directly between buyer and seller, and no commission is charged.

All in all we feel we had another highly successful meet with attendees from up and down the East Coast as far as Florida and Massachusetts, and as far west as Wisconsin and Arkansas. Though we had as many vendors as last year, the total attendance, at 222 was down by about 20. We attribute most of this decline to an inadvertent conflict due to the earlier scheduling. When MAARC checked the

(Continued on following page)
The Atwater Kent’s two millionth set, the Model 40, which was displayed at the banquet.

(RadioActivity 2002, continued)

dates for May we tried to avoid other antique radio events but forgot to check the hamfest schedules. Thus, we ended up on the same weekend as the Dayton Hamfest. We do not intend to have this happen again.

It turns out May is a tough month to schedule in between other events and holidays. We also found that the large hotels prefer to cater weddings in May and June rather than host the infinitely more interesting radio events. What are these people thinking?

So, despite our success with the cooler weather we find it more convenient to move back to our familiar mid-June time frame. Look for RadioActivity 2003 on June 12–14 at the same location as this year. Hope to see you there. The theme manufacturer will be that quaint little outfit from the mid-Atlantic region that started out as the Philadelphia Storage Battery Company. Some of you may have heard of it.

Keep reading MAARC’s monthly newsletter, Radio Age, as well as Antique Radio Classified for further details as next June approaches. And we also invite you to our fall mini-meet in Davidsonville, Maryland on Sunday, October 6, 2002.

These items are all from the Main Auction on Saturday. Some box lots and radios without model numbers given were left out. Thanks to Ray Thompson and Domi Sanchez for helping to compile the information.

e=excellent, vg=very good, g=good, f=fair, p=poor, NT=no tubes, WT=with tubes, N.I.B.=new in box

Air King A502, vg ........................................$55
Airline 74BR1501B, vg .............................60
Amplion AR19 horn speaker, vg ..............250
Arbophone 27 battery set, NT, vg ..........55
Army Special Services radio, g .............40
Arvin 544, vg ...........................................75
Arvin Hopalong Cassidy, f ....................240
Astatic crystal microphone, g ..............60
Astatic microphone, g ..........................15
Atwater Kent 165 cathedral, e ..........330
Atwater Kent 20, big box, NT, g ..........50
Atwater Kent 84 cathedral, e ...............500

Belmont 529, vg .........................................80
Bendix 110-W, vg ....................................50
Bulova 6 transistor, w/case, vg ..............30
Continental tube, portable, w/case, g ......20
Crosley 51, vg .........................................75
Crosley 56TU, g .......................................20
Crosley shipping box cover, vg ............40
Crosley Showbox, metal case, WT, f ......50
Eddystone 850/4, g .................................140
Edison R7 console, f ...............................75
Electronic Laboritories 2701, g ............13
Emerson 411 Mickey Mouse, Repwood, g ...925
Emerson 511, ivory, vg ...........................45
Emerson 707B, g ......................................40
Emerson 813B, g ......................................8
Emerson AF163, g ...................................210
Emerson BA199, vg ...............................95
Emerson DP332, f ....................................25
Emerson FG-330, crack, g .....................30
Emerson Patriot Catalin, g ....................425
Emerson portable, white plastic, g ........20
Emerson portable, wood, g ....................25
Emerson small tombstone, vg ...............85
Emud Rekord Senior 60, vg .................40
Excel XL-45, N.I.B. vg ...........................20
Fada 790, f .............................................24
Fada 855, g .............................................50
Fairbanks Mørse 5C, g .........................50
Farnsworth ETO61, e .............................40
Federal 1040T, vg ..................................40
Ferguson 314XL, g ..................................15
GE E-52, e .............................................55

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.

Two Millionth Set
Produced by Atwater Kent Mfg. Co.
Philadelphia, Penna.
October 24th, 1928
Presented to Herbert Hoover
President-Elect of
The United States.

A close-up of the brass plaque on the Model 40, the two millionth Atwater Kent set.
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<td>Zenith H725, f</td>
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<tr>
<td>Zenith J665, g</td>
<td>5</td>
</tr>
<tr>
<td>Zenith Royal 2000, vg</td>
<td>30</td>
</tr>
</tbody>
</table>

(Eric Stenberg, 8700 McNair Dr., Alexandria, VA 22309)

The Mid-Atlantic Radio Club (MAARC) meets monthly and has the annual RadioActivity 2-day meet and auction in June. "Radio Age" is published monthly and dues are $20. For more information: Paul Farmer, 3005 School St., Alexandria, VA 22303-2412. www.maarc.org

A display of goods for sale at the flea market.
The opportunity to attend a radio "double header" was one that Ray Bintliff could not miss. In this article, he covers two radio events sponsored by the British Vintage Wireless Society. (Editor)

When my friend English radio collector Alan Carter told me about two back-to-back radio events in the London area, I did not need much persuading to make travel plans. The following is a brief account of my experiences along with some photographs that speak for themselves.

The differences between a radio meet in the U.S. and Britain are not as great as you might think. There are some minor differences. The prices are in pounds instead of dollars, of course, nomenclature varies (such as valves versus tubes), and the TV scanning rates differ. But the appreciation of old radios, camaraderie, and the thrill of finding "goodies" are a common bond.

On Saturday, June 8, 2002, the British Vintage Wireless Society (BVWS) held its annual garden party at Gerry Wells' museum in Dulwich. The next day, the BVWS held a swap meet at the village hall in Harpenden, north of London. The hall is a short walk from the railway station.

THE GARDEN PARTY

Gerry Wells maintains a radio museum in his home at 23 Rosendale Road, Dulwich. He opens the museum each year for the BVWS garden party and will also open it for groups upon request.

During the garden party, it seemed that Gerry was everywhere — mingling, playing background music and making announcements. But Gerry did find time to tell me a bit about himself. He began collecting radios at the tender age of seven and later began working on them and making repairs. At the age of twelve, he started making 2-valve TRF sets, and then during the war, he sold them for £4 each for pocket money. In Gerry's words he "carried on from that and got bigger and bigger."

In 1948, he established his own full time business, Wells Amplifier, and built amplifiers and public address systems. Later, he began manufacturing radios and TV sets. Not only did Gerry continue making valve radios as other manufacturers switched to transistor sets, he still makes and sells AM valve radios. Wells Amplifier.

One wall of a room in the museum shows a unique way to display horn speakers.

The garden party nicely complemented the museum visit. Both food and beverages were in abundance in this tent. Viewing so many radios can be thirsty work.

Alan Carter and Ray Bintliff arrive in style at the BVWS garden party. That impressive conveyance is Alan's 1937 Packard convertible — with right hand drive, of course.
Gerry Wells (left), provides me with a bit of personal history.

A view of the display cases and radios in one of the sheds.

This replica of an old radio repair shop is part of the museum. Note the tube tester on the counter.

A Beau-Decca TV from the early post-war era housed in a high quality cabinet.

Gerry demonstrates a gramophone with an oversize horn. Its fidelity and volume were impressive. Gramophones of this type were often used in dance studios.

The Harpenden swap meet was well attended. This photo was taken after the crowd had thinned out a bit.

(Continued on following page)
(Two British Style Radio Meets, continued)
is the only existing British manufacturer of valve
table radio and is now in its 60th year. Gerry says
"Everything is done the old fashioned way."

The garden party provided an opportunity to
socialize and discuss radio matters. It featured a
buffet with appropriate beverages designed to
stimulate conversation. If you are looking for a
crash course in British radio and TV, Gerry’s
museum is the place to go.

SWAP MEET

The swap meet in Harpenden was well attend-
ed. Familiar faces from the previous day’s event
were spotted. It was interesting to note just how
many American radios were displayed. The num-
ber offered seemed greater than the number of
British sets usually found at swap meets in the
United States. The range of items displayed at
Harpenden was similar to that offered at Ameri-
can swap meets, except that I did not spot any
Ham gear. In general, prices seemed about the
same on either side of the pond.

Was the visit informative and enjoyable? You
bet it was!

(Ray Bintliff 2 Powder Horn Ln., Acton MA
01720)

Photo Credit: Leigh Bintliff

Ray Bintliff, W1RY holds an Amateur Extra Class
license. A member of the A.R.C. staff and a retired
RCA engineer, he enjoys repairing and restoring pre-
1945 radios and test equipment.

An impressive Marconi set shown with its top cover
open to expose the two thumbwheel controls.

This 78 rpm phonograph is a product of Wells
Amplifier Development & Rentals. The WADAR
decal is shown in detail below.

This unique home-brew set contains 6 panels.

Gerry Wells (left) and Jonathan “Radio, Radio!”
Hill slowed down long enough for this photograph
at the Harpenden swap meet.

WADAR
WELLS AMPLIFIER
DEVELOPMENT & RENTALS
23 ROSENDALE ROAD WEST DULWICH
Firms GIP 8567
Radio Row Memories

Dear Editor:

I so enjoyed Syd Steinhardt's article, "The Death of Radio Row," in the September issue that I had to add my thoughts, along with those of the interviewees in the NPR article. Radio Row was my hangout as a boy. That's where I learned much about radio from the professional salesmen who knew what they were talking about. Back in the late 1930s and early 1940s when I would frequent Eagle Radio, 84 Cortlandt St. (CO7-7368), I remember the day the salesmen slipped a 6-inch ruler in my shirt pocket after I had bought a part. Eagle Radio always took the time to explain things to me. I believe I bought my first microphone there — an Astatic crystal mike — so that I could talk on the radio, along with the phonograph I had bought there.

Then there was Leotone Radio where you could find anything really old for a few dollars. Once I was building a Neutrodyne radio but didn't have the neutralizing capacitors. Well, Mr. Leotone cut one out of a Neutrodyne set. As a 15-year-old, I was astonished. Looking back I wonder why he didn't sell me the set. I believe he charged me a quarter for the two capacitors.

About the time Radio Row was demolished, I moved to Cape Cod, so the fate of the site was unknown to me. From 1962 to 1992 when I retired, I was a radio operator at WCC Chatham Radio, an RCA marine radio telegraph station, the largest in the world. I loved every minute of it. It was recently sold to the town of Chatham which will hopefully turn it into a museum and operating Amateur station. Any support from readers would be appreciated.

Leon H. Baumlin, Harwich, MA

More Views of Radio Row

Dear Editor:

Those readers who want to know more about the neighborhood that was demolished to make way for the World Trade Center will find of interest the book The Destruction of Lower Manhattan by Danny Lyon, MacMillan Publishers, 1969. Lyon is a wonderful photographer who shows not only the wonderful 19th-century buildings destroyed for the center, but also the demolition workers at their jobs. While there is nothing more about Radio Row in this hard-to-find book, it does a sensitive job of conveying the quiet dignity of men at work, as well as what was lost when the Center was erected.

Incidentally, Tokyo, a very dense city, somehow manages to keep a street like the old Cortlandt St. going. It's nicely described in the July 2002 IEEE, pages 40-42, "Finding the Strange and Wonderful in Electric Town." A. David Munsch, Belmont, MA

How About a Radio Row Book?

Dear Editor:

This is just a note to say how much the articles about Radio Row that you have printed over the past few years have meant to us readers. I, for instance, have ordered kits, parts, and radios from many of those New York merchants from the time I was a teenager in the 1950s. Mail order items went out from those little stores to people all over the nation. We ordered through Popular Mechanics, Popular Science, and other pulp magazines. We didn't know who we were ordering from, but we sure got neat gizmos. And the tubes and parts were really cheap; otherwise, we couldn't have ordered them.

So, who is going to write the book? It has to be written; it cries out to be written. We want to read the whole story, from folks like Mr. Schneck of the first radio store on Cortlandt St. to the last of those business families that were kicked out to make way for the World Trade Center. There just needs to be a book!

Stephen Mauck, Lyons, KS

We'll spread the word and perhaps a writer will answer the call. (Editor)

Several More from Alton...

Stylus Repair Source

I have found a company in England that repairs and supplies sapphire and diamond styluses for recording and playing phonograph records. I have had an Edison cylinder recording cutter restored there. A letter to the company will get a brochure of the services offered. The following is the address: Expert Stylus Company, P.O. Box 3, Ashpead, Surrey KT21 2QD, U. K. Tel: 01372-276604. Fax: 01372 276149.

Alton DuBois, Queensbury, NY

On 1L6 Socket Modification

In the September 2002 issue of A.R.C., Stan Jennings asked for an article on socket modifications to the 1L6. Why go to that trouble? The editor mentioned using a 1R5 tube by cutting off pin #5. This is fine, but do not try to cut the pin with a nipper or side cutter. The best way is to place a small pin shield under the #5 pin and over the adjoining pins and then use a Dremel cut-off disc or a fine jeweler's saw. Cutting it with a side cutter or nipper will invariably break the glass from the shock.

Alton A. DuBois, Jr., Queensbury, NY

Freshman Polydine Cabinet Questions

In reading the article on the Freshman Polydine (A.R.C., April 1999), I got the impression that the metal case of that set is similar to the case used by Atwater Kent for the Atwater Kent Model 40. Could it be that they bought cabinets from the same maker? Did Freshman introduce that type of case before Atwater Kent used it?

Alton A. DuBois, Jr., Queensbury, NY

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PAYMENT. Please send in full payment with your order or ad. A.R.C. does not carry accounts; all subscriptions, ads, etc. must be prepaid (except for the 6 and 12 month display ads indicated below). Pay in U.S. funds. Checks drawn on a U.S. bank, money orders, VISA or MasterCard ($10.00 min.) are preferred. Make check out to "A.R.C." Cash is OK for small amounts. Canadian payers may send a Canadian check but specify U.S. funds. Subscriptions will be prorated to amount sent if amount is incorrect.

FAX & E-MAIL PROCEDURES/PAYMENT. Subscriptions, book orders, classified ads, display ads, etc. are welcome by fax or e-mail. Deadlines are the same as for ads received by mail. Please calculate the amount due. Payment by VISA or MasterCard is preferred if your order is over $10. If under $10, or if you prefer to send a check or money order, state the amount being sent and that the payment is in the mail. Do not send another copy of your ad with your payment; simply indicate that it is a fax or e-mail payment. If you want confirmation of our receipt of your fax, call immediately after sending your fax.

CHANGE OF ADDRESS. Please notify us 4 weeks in advance of a change of address. Send both your new and old addresses, and include your SUB# and effective date of your new address. Temporary address changes can be made also.

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

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

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

DISCLAIMER. The publisher is not responsible for any buying and selling transactions incurred, or for any other use of the contents of this publication. Antigue Radio Classified subscription rates, frequency of publication, content, policies, size and ad details, and rates are subject to change at any time by A.R.C.

### DISPLAY AND BUSINESS CARD ADS • DETAILS AND RATES

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

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

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

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

If you are confused by these requirements and terms, please 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 8½-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.

#### ARTWORK SIZE

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* Full & ½ page, 6-mos.: ½ due with order; ½ due in 3 mos. ** Full & ½ page, 12-mos.: ½ due with order; ½ 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 $23.00 each. See details below. Classified ads sent by mail, fax, e-mail or by any other method must be received (not just postmarked!) by Noon Eastern Time on the classified ad deadline date to guarantee inclusion in the current issue. Late ads are held for the following issue. Please enclose correct payment with all ads. Cash is OK for small amounts. (Canadian and other foreign advertisers, please see "Payment" on opposite page for methods.)"Free words" cannot be accumulated from month to month; free words must be requested when ad is submitted.

**Classifieds 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, 1 and (the number one, the capital I and the small l). Also: O, O, o, Q and R; r and n; 6, b and G; v, u, v and Y; A and R; 5, S and s; 2, Z and z. We try to correct spelling errors, so when using an uncommon word or manufacturer which we might mistake as a more common word or manufacturer, note it so that we do not "correct" it. Editor's annotations are in brackets.

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 unreturned 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 illegally 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, FREE. This heading is the only bold or all-capitalized words allowed in the ad. Capitalize only manufacturer names, model names, etc. This standard ad format makes scanning the ads easier.

Before writing your ad, please look over the ads in a recent issue of A.R.C., and try to write your ad in the same style. Full name (or company name) and address is required in all classified ads; we will add it if you forget.

### Classified Ad Rates per Month

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

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

Please do not forget to send in the extra 29¢ per word when your classified ad runs over the free 20 words; your payment will be appreciated, and it will help to keep A.R.C. healthy.

### 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: 40¢ per word for all words,* none free, plus 10¢ per word for each bold word plus 10¢ per word for each all-caps word.
- Shaded Ad (All words are bold at no charge): 50¢ per word for all words plus 10¢ per word for each all-caps word.
- Non-Subscribers: 20¢ 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 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: Selling everything. Tubes, parts, test equipment, books, Federal S9 radio - $1,500 takes it all. SASE for list. John S. Lowe, 3025 Harpers Ferry Rd., Sharpsburg, MD 21782


FOR SALE: 1200 plus transistor radios. I might have the one you are looking for. Doug Ferrero, 70173 Hillside Ct., Romeo, MI 48065. (810) 336-0120. E-mail: w8ynz@bignet.net

FOR SALE: Fall Specials. Music Master Ware, 4-tube receiver, 4 tubes exposed, 199s, nice! - $285. Radiola 25, nice condition, includes all 6 tubes - $185. Philco 37-610, tombstone, nice looker, works - $140. Atwater Kent Model 24 (20 Deluxe), basket case, needs work, but extra parts included - $65. Atwater Kent 310, multi-tube console, 6 legs, needs speaker - $185. Ozarka, 4-diaper, with battery box and all tubes - $225. Aerola Sr., early 1-tuber - $155. Majestic 15, tombstone, nice, working - $175. Atwater Kent Model M horn speaker - works - $150. Atwater Kent Model E-3 cone speaker, works - $40. Dave Crocker, 35 Santuit Pond Rd #4B, Mashpee, Cape Cod, MA 02649. (508) 477-1578, before 9 pm please. E-mail: radio-1@attbi.com

FOR SALE: Large quantity used metal, local, TV tubes. Send want list. N.O.S. 17BP4B. Pete Raidt, Box 1025, 45 Maria St., Clinton, Ontario, Canada N1M 1L0. (519) 482-7920

FOR SALE: Hallicrafters S-53, nice condition, original paint, manual - $60 plus shipping. Levy, 8 Waterloo, Morris Plains, NJ 07950. (973) 286-5321


FOR SALE: One lot of used Alliance and Channel Master antenna rotators. Also quantity of N.O.S. parts for rotors. Make offer. Mark S. Euank, Jr., 11276 Louisa Rd., Gordonsville, VA 22942. (540) 832-3683. E-mail: meseubank@ns.ge.com

FOR SALE/TRADE: Beautiful Zenith shutter-dial or Hammarlund SP-400 for Best International Kadette or Aiine deskset. C.R. Nevin's Museum of Radio, Ken Nevin's, 406 Jipson St., Blissfield, MI 48119. (517) 486-3019, evenings please. E-mail: ken@kenneins.com

FOR SALE: Tube caddy full of RCA Modules, new. Setchell Carlson color 21" round screen, unitized chassis, console, mahogany. Pick up only TV. Ann Bicanich, Jay's, 15 West Lake St., Chisholm, MN 55719. (218) 254-4421


A.R.C. Advertising Policy
Sellers and Buyers, Please Note! Advertising is accepted only for early items related to radio, communication, etc. All items must be described fairly; reproductions, reprints and not-original items must be so identified. Advertisers must agree to 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.

FOR SALE: FM exciter, PTEK FM25E, 25 watts output, instructions, variable frequency, like new - $600 OBO. Ed Davison, 1129 Willowbrook Dr., Springfield, IL 62707-8130. (217) 793-0400. E-mail: wo9d@arrl.net


FOR SALE: Tubes for sale @ 50c ea. Al D'Ambra, 35N Suffolk Dr., Rocky Point, NY 11778. E-mail for lists: alda25@optonline.net or alda25@netscape.net


FOR SALE: Hallicrafters S-118, Zenith Trans-Oceanic. Ed Vilagi, 10279 Page Dr., Concord, OH 44060. (440) 354-3361

FOR SALE: Ladies leatherette jewelry case, red Catalin drawer pulls (3), good Xmas gift! - $15 + UPS. Jacob, 2276 Holloway Ave., Maplewood, MN 55109. (651) 777-6791

FOR SALE/TRADE: Original 1958 World Radio Handbook, good cond. E-mail photos. Offers? Ron Russell, 2839 Bristol Ln., Lodi, CA 95242. (209) 567-5819. E-mail: russ@lodianet.com
WANTED: Need brass base tipped UV-201 tubes to restore an early 1920s radio. Don Willoughby, 480 Distal Dr., Los Altos, CA 94022. (650) 948-9207. Email: dk_willo@pacbell.net

WANTED: Original Drake R4C-T4XC interconnect cables, TC-6, SC-6 and CC-1. Dick George, 15245 Lynn Terrace, Minnetonka, MN 55345. (952) 934-3839. Email: jgeorge@isd.net

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

WANTED: Fada 33, Robert Forte, PO Box 160, Lake Luzerne, NY 12846. (518) 696-2400

WANTED: Speakers, Altec, JBL, Electro-Voice, Western Electric, Jensen, Goodmans, tannoy, quad, drivers, woofers, tweeters, horns, crossovers, coaxials/ triaxials, original cabinets. Sonny Goldson, 520 Pocahontas Dr., Ft. Walton Beach, FL 32547. (850) 314-0321. Email: sonsysound@aol.com


WANTED: Delco R-1233 ribbon grille, Sams Dial Cord Guides DC-2, DC-5. Patrick Francis, 235 Millville Ave., Naugatuck, CT 06770-3848. (203) 723-8976. Email: old_radios@yahoo.com

WANTED: Cabinet, knobs and dial scale for a small metal Arvin radio Model 524. Gregg Humanic, 540 Wicklow Ln., Monroe, OH 45050. (513) 539-8926

United Electronics & Controls
Capacitors, Computer Cable Assemblies, Wiring Harnesses
Join our creative division: tube lamps, tube paper weights, electronic jewelry
INDUSTRIAL • POWER • RECEIVING • SPECIAL PURPOSE • HIGH VACUUM TUBES
Assorted bases available in large quantities, vast inventory
CONNECTORS
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Contact: Donna, Sales Manager, United Electronics Co. (Est. 1935)
Ph: (973) 751-2991, Fax: (973) 751-8553. Email: Douting111111@aol.com
Tube manufacturing equipment for sale
Engineering specifications, drawings & manufacturing data available for 100+ United Electronic Company's tube types.

WANTED: RCA Service Data Volume 2 (book). Bill Bickers, 144 Skyline Ct., St. Simons Island, GA 31522. (912) 634-3488. Email: jukebox@technonet.com

WANTED: One (1) input and one (1) output iron core type 455 IF transformers from any RCA radio below 16K3, 16T2, 16T3, 16T4, T60, T62, T63, T64, 96T1, 96T2, 96T3, U111, U119, U123. Pay $10 per transformer plus $10 S&H for total $30. R.N. Herring, 1615 W. Main St., El Dorado, AR 71730-5364. (870) 863-5660

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WANTED: Small open frame DPDT 110 Vac relays with 3/16 inch contacts; N.I.B., chassis mounting. Louis L. D'Antuono, 8802 Ridge Blvd., Brooklyn, NY 11209. (718) 748-9612

WANTED: 12AX7/ECC83 tubes, most brands OK. Adam O'Connell, PO Box 958, Woodbury, CT 06798. (203) 263-2193

WANTED: Crosley Band Box 602, power transformer or Stancor P1501 or P1503 or junker will do. Paul Recupero, 265 Union St., Portsmouth, RI 02871-2254. (401) 685-6206. Email: handbalt@aol.com

WANTED: For McIntosh M2000 AB audio amp, complete circuit diagram with voltage readings. John Murphy, 2012 Wisconsin Ave., Superior, WI 54880-2028. (715) 394-7301

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WANTED: Hallicrafters SX42 in excellent working condition, w/best matching speaker. Lost my entire collection in house fire. Paying premium price plus shipping. George W. Pope, 981-3 Hwy 98 East #402, Destin, FL 32541. E-mail: billindestin@cox.net

WANTED: Sonora P-99 Teeney Weeny and Altec 605A rear driver for horn. Justin Allport, PO Box 601, Wellington, MO 64097. (816) 934-0112. E-mail: airport762002@yahoo.com

WANTED: Philips 936A or similar, this is the triangle shaped one from 1930s. Maybe a European reader can help? Also Scott Philharmonic in reasonable cabinet, Acturus tubes, esp. 26, 27, 01-A, 80. Write to: J.K. Grady, 43 Slough Rd., Harvard, MA 01451

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WANTED: Original large main tuning and bandspread knobs for a Hallicrafters S85 radio, will purchase parts radio. Call or write. Albert D’Amico, WD2AAB, 37 Baynes Ave., Buffalo, NY 14213. (716) 884-6029

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WANTED: Stromberg-Carlson 600 series AC chassis (restorable), Crosley loading coil for R3R chassis. James Hilins, 2301 N.W. 86th Ln. East Unit, Coral Springs, FL 33065. (954) 346-8768. E-mail: jnhils@bellsouth.net

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33

FOR SALE: Many pieces of old and recent radio and TV test equipment. Mark S. Eubank, Jr., 11276 Louisa Rd., Gordonsville, VA 22942. (540) 832-3683. E-mail: meseubank@ns.gemlink.com

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WANTED: Dual controls w/switch front 1 meg. tone, back 500K volume. Any shaft length. Glen Steinman, 7915 E. Michigan Ave., Jackson, MI 49201

WANTED: Capehart remote controls, catalogs and related items. Bill G. Davis, 800 Rosemount Rd., Oakland, CA 94610-1311, (510) 839-8309. E-mail: Bilgld@aol.com

WANTED: Guitar amps/guitars/effects pedals, Gibson, Fender, Gretsch, Rickenbacker, Vox, Selmer, Martin, etc., Maestro, Univibe, Ibanez, etc. Sonny Goldson, 520 Pocahontas Dr., Ft. Walton Beach, FL 32547. (850) 314-0321. E-mail: sonnysound@aol.com

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WANTED: Western Electric speakers, amplifiers, tubes and loudspeaking telephones. Adam O’Connell, PO Box 958, Woodbury, CT 06798. (203) 263-2193

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FOR SALE: RCA 98K with electric tuning, looks good, needs restoration - $100. Malcolm D. Burdick, W1NOO, 156 Station Rd., Hampton, CT 06247. (860) 455-9640, before 8 pm

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FOR SALE: Dukes of Hazard novelty radio - $65. Gary Arnold, 293 East Oak St., Marion NC 28752. (828) 652-6893. E-mail: NoveltyRadio.com

FOR SALE: Minifon, FiCord, Dokorder, Trix, Stuzzi mini recorders. Call, e-mail for list. Jon Golden, PO Box 715, Carlisle, MA 01741. (978) 371-5557. E-mail: jon@make3dimages.com

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WANTED: Harvey-Wells SM-1 station monitor, schematic, manual; TBS-50-B only and TS-90 xmtrs. Kelly, W8FGF, 9010 Marquette, St. John, IN 46373. (219) 365-4730

WANTED: Western Electric radio items. Igor Goliozo, 17 Addison Dr., Fairfield, NJ 07004. (973) 884-6468. E-mail: goliozo@lucent.com

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FOR SALE: HP 2000AB osc w/copy of manual—$60 + shipping. 7 page list of transformers SASE or e-mail. Harry Pewowanuk, 1535 N. 8th Ave., St. Cloud, MN 56303. E-mail: Hpewowanuk@aol.com

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WANTED: The above Pilot radio, will pay up to $1,500 or trade. Call: Bill Moore, 1901 Spanish Oaks, Huntsville, AL 35803. (256) 885-0068. E-mail: bmoore2nd@aol.com

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WANTED: Philco 60 cathedral speaker. Zenith 35P-35AP power pack/spkr. amp. Mark S. Cowart, N4FBL, PO Box 550766, Jacksonville, FL 32255-0766. (904) 641-2795. E-mail: JaxJagLvr@aol.com

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

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WANTED: Simplex Model NT tombstone radio. Two bands, 4 knobs and 10 tubes including Eye Tube. Contact: Charles Poplin, 3518 Courtland Dr., Durham, NC 27707. E-mail: popawapado@wmconnect.com

WANTED: Any Cardwell broadcast sets from 1922-3. Merrill Bancroft, 169 S. Row Rd., Townsend, MA 01649. E-mail: ritareo@juno.com

WANTED: 5TP4 picture tube, electronics & optics for 1949 RCA projection TV. NIB 19AP4 CRT. Garrard RC-50 & RC-6078RPM record changers, any condition. Jeffrey Kyle, 509 Meadowview Rd., Heath, TX 75032. (972) 771-2608. E-mail: jeffkyle1@aol.com

WANTED: Paying top dollar for Zenith tan military Trans-Oceanic R520/URR, mint, complete with manual, working condition. Kenneth F. Cerva, 3851 Harbor Hts. Dr., Largo, FL 33774-1209. (727) 584-6471

WANTED: Buying Western electric tubes: 300A, N.O.S. $1,025, used $675; 274A/B, N.O.S. engraved base $325, used $250; 252A, N.O.S. $1,225, used $675; 205D, N.O.S. tennis ball shape $675, used $475 engraved base; tubes subject to testing. Call, fax, write or e-mail to: George Stagakis, 1714A 41st St., North Bergen, NJ 07047. (201) 867-9136. Fax: (201) 867-4044. E-mail: georgestv@aol.com


PHONO NEEDLES & CARTRIDGES (magnetic/ceramic). Over 500 cartridges and 5,000 needles. J. J. Papovich, 165 Trellis Ln., Sewell, NJ 08080. (856) 464-6741

BOXED CLASSIFIED ADS WORK! This is a boxed classified ad. These ads can be run more than two months. See the A.R.C. Rates & Policies pages for details. Boxed ad deadline: the 1st of the month.

WANTED: Toy gramophones in any condition, photograph will be appreciated. David Row, 5 Omar Khayyam Ave., Singapore 788531. E-mail: row50ka@singnet.com.sg

WANTED: General Industries Flyer 78 turntable, flips records off of platter, working or not. Frank Drost, 1120 Scarborough Ln., Woodbury, MN 55125. (651) 406-1266

WANTED: 8-16-35mm original sound projector repair manuals, schematics, wiring diagrams, instructions and owners manuals. Clyde Powell, 3822 Edwards, Chattanooga, TN 37412. (423) 867-3200

VISIT A.R.C.'s WEB SITE www.antiqueradio.com Book Orders – Subscriptions – Articles and more!

WANTED: Bakelite screw-on bell for Trimm concert horn speaker, 3 1/2" diameter at screw. Charles Combs, 506 E. Daniel, Albany, MO 64402. Ph./fax: (660) 726-3038


WANTED: Your N.O.S. vacuum tubes. We are always buying tubes in quantity - send us your list - we will promptly quote. Radio Daze, LLC 7 Assembly Dr., Mendon, NY 14506. (585) 624-9755. Fax: (800) 456-6494. E-mail: info@radiodaze.com. Web: www.radiodaze.com

WANTED: Literature for Transvision 7 inch television sets, buying 7 inch Transvision and other brands, and 32 volt Delco radios. Charles Harper, 2000 Jackstown Rd., Paris, KY 40361. (859) 484-9393. E-mail: charper@kyk.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.


WANTED: Galena crystals or crystal diode. That with cat whiskers but not complete set. David Row, 5 Omar Khayyam Ave., Singapore 788531. E-mail: row50ka@singnet.com.sg
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include name on card, card number and expiration date. Send payment with order. Money back return policy.
Subscribers, ask for discount when placing order: 10% off books; order must be mailed to address on file.


— WANTED —

CLUB CONTACT INFORMATION. A.R.C. IS UPDATING ITS CLUB LIST. PLEASE SEND US NAME OF CONTACT PERSON, ADDRESS, DUES, RATES, ETC.

FOR SALE: Coyne radio and TV books, 6 volume set, 1950s - $50 OBO. Gerald Scott, PO Box 2731, Elko, NV 89803


FOR SALE: Handbook for EE by Pender 1914 good condition, 2,023 pages - $35 BO. Philco 20 WT - BO. Dave Schmidtke, W0BE1, 1101 N.E. 1st St., Fairbault, MN 55021. (800) 500-8055. E-mail: daveschmidtke@lakes.com

FOR SALE: 17" Philco, blonde, Predicta, looks, plays good - $600. 5" Motorola VT71B-A, good - $350. Also make offer on: 10" Hoffman table Model CH 142; 12" Hoffman table model; 21" Philco Predicta 6424L. James R. Lopaz, 5467 South 975 East, Ogden, UT 84405. (801) 476-1470

FOR SALE: Tubes, radios - tube & transistor, books, parts, more. Lists, 18 pages LSASE. WANTED: Chassis: Kennedy #21, 30, 32; King #80; AK #33. Bill Horn, 13110 Marsh Rd., Beaverton, VA 22712. E-mail: wehcoll@earthlink.net

FOR SALE: Town Crier Model 38CT radio wood lantern, excellent condition - $100 plus shipping. Michael Leopold, 788 Duxbury Ln., Bartlett, IL 60103. (630) 289-8788. E-mail: mlradios@aol.com


FOR SALE: A.R.C.s, a bunch! From September 1984 to now for best offer. Or buy any separately for - $2 ea. We're talking 228 plus the sample copy. Stan Lopes, 1201 Monument Blvd. Space 74, Concord, CA 94520. (925) 825-8665. E-mail splopes@aol.com

FOR SALE: TRADE: EICO manuals RA6, HF12, HF20, ST40, HF50, HF61, HF81, HF85, HFT90, ST97, MX99. A.J. Bernard, PO Box 690098, Orlando, FL 32869-0998. (407) 351-5536

FOR SALE: Simpson Geneoscope Model 480, with 3" scope, AM generator 3.4mc-125mc FM gen 4mc-260mc, good condition - $50. Panasonic 3 speed reel tape player, internal speakers - $25. Make offer on following: Johnson Messenger tube type CB, good condition; Sony VP1000 3/4" video tape player. Antique Ballantine voltmeter. 001-100 volts, tube type electronic AM signal gen. Model AZ100, 100kc-52mc, complete video page gen with 12" color TV, keyboard and computer module. Neil Webster, PO Box 1065, Guttenberg, IA 52052. (563) 252-3786. E-mail: nwebster@alpinecom.net


FOR SALE: Classic wooden antique radios, must clean house to move. 1929 Philco 87, gorgeous, wooden highboy console, one complete plus extra for parts - $200. 1927 Kolster 6J, fully restored wooden table radio - $140. 1927 Atwater Kent 36, first AC powered AK, power supply needs rewiring - $125. 1942 Philco 42-350, wooden table radio - $70. 1934 Atwater Kent 145, wooden tombstone radio, needs veneer work - $125. 1946 Philco 46-431 - $45. Military AN/PRC-6 Talkie Walkies, (2) complete but not operating - $100 for both. Buyer pays shipping. Paul Sass, 70 Hampton Dr., Freehold, NJ 07728. (732) 431-5263. E-mail: psass@optonline.net for additional photos, details

FOR SALE: Service manuals for commercial and consumer VCRs, cameras, video monitors and more. Brand names include: Sony, JVC and Panasonic. Email or SASE for list. Pete Austin, 1909 Exchange Ave., Oklahoma, OK 73108. E-mail: daustin55@hotmail.com

FOR SALE: Zenith 9S367 console – $495. Stewart-Warner tombstone – $190. GE 321 – $35. Zenith T723 AM/FM – $25. Paul Anderson, 82 Lowery Dr., Southington, CT 06489. (860) 628-0618. E-mail: andersen0pj@aol.com

FOR SALE: Hammarlund Super Pro – $175. Viking I – $175. DX 100 – $175. National NC125 – $175. National NC60 – $100. Ernest Odeneal, K5QJF, 2710 Lee, Greenville, TX 75401. (903) 455-2113, (903) 455-5788. E-mail: odeneal@geusnet.com

FOR SALE: Crosley 51 portable, with manual – $300. Westinghouse RA – $165. La Belle xtal set – $275. Steve Wallace, 3703 Pricetown Rd., Fleetwood, PA 19522. (610) 944-7230. E-mail: kkks@epix.net

FOR SALE: Philco 20 cathedral – $175. WANTED: Midwest/MIRACO AC-9 chassis, speaker, knobs. Mark Gutekunst, 2600 Martin Rd., Willow Grove, PA 19090. (215) 657-8958. E-mail: gutekunstm@aol.com

FOR SALE: Restorable GE A82, speaker missing and tuning gang frozen, good cabinet – $50 plus shipping. Robert Rossi, 10936 Melbourne St., Allen Park, MI 48101

FOR SALE: Zenith H-500, G-500, 11-12, 10S669, more, inquire. "Indiania" three dial battery set, 1920s. VT25As. Philco 60 chassis. AK 42 & E type speakers. Much, much more. Send want lists. Wilbur Gilroy, PO Box 459, Lake Winola, PA 18625. (570) 378-2508. E-mail: radio@wilburmail.com

FOR SALE: Zenith cathedral 805, g – $150. Motorola 55MU, ex – $55. Crosley 9-302, g – $25. Buzz Miller, 725 Mt. Rock Rd., Carlisle, PA 17013. (717) 776-3279. E-mail: buzz@sprinmail.com


FOR SALE: Thick RCA Victor Radio Service Book 1938-42, covers rough, pages good – $25 + postage. Donald M. Maurer, 29 South 4th St., Lebanon, PA 17042. (717) 272-2481. E-mail: dradios@aol.com. Web: http://members.aol.com/dmradios/xstr.html

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P.S. There are more gift ideas from A.R.C. on page 41.

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SERVICES: Rider/Sams schematics, 1920-1970 - $4 ppd. Send make/model to: Richard A. Lerche, 1561 Bluebell Ct., Livermore, CA 94551. (925) 447-9365. E-mail: lerche@attbi.com

SERVICES: Hickok factory authorized contact person, offering affordable, professional service, calibration and technical assistance. FOR SALE: #1 = New replacement meters for Hickok. Now taking orders for all new replacement quality meters for Hickok 533A, 600A, 800A, 800A, 539A, B and C, 6000, 6000A - $134.50 each. Please respond ASAP for more details. #2 = Exclusive jobber for new solid wood carrying cases for Hickok and military tube testers. Your choice of custom, master crafted, solid oak, walnut, cherry or maple with dovetail ends and sides. Furniture grade matching plywood top and bottom, natural finished. All new hardware. Oak - $150 to $195. Other hard wood, add $10. Also furniture quality cabinets for high end audio amps. and tuners. Ask for quality quotes. #3 = Distributor for Radio Battery Eliminator. Introductory offer - all new affordable, compact, quality battery eliminator power supplies. Specifications: 1 adjustable A voltage 1v to 7Vdc @ 1.7A. 5 B voltages: 22v, 45v, 67v, 90v and 135v @ 30MA total. 9 voltages: -1.5v, -3.0v, -4.5v, -6v, -8v, -10v, -12v and -15v plus 1 adjustable from -15v to 30v @ 10 MA. A total of 15 separate voltages available at any one time. Kit with all components including power transformer to fit on a 4.8" x 4.0" P.C. board. Kit includes: * PC, board with solder mast, * new PC board mount power transformer, * all circuit components, * screw output terminals, * full layout and instructions, easy to assemble and use. Kit only - $85 or built and tested - $115. Will ship flat rate with insurance for $15 U.S.A. only. Unit will power most old battery radios, farm sets & portables. Ideal for test bench. #4 = Learn efficient radio repair. Do yourself a favor and cut your old radio troubleshooting time by as much as 90%. Learn to service and align radios like the pros. Enjoy eliminating troubles an entire stage at a time. Stop the hit and miss wasting unnecessary voltage and resistance reading. Measure your service time in minutes instead of hours, days or could not fix it at all. Bring'em back alive by using this hands on, easy to understand, 100 page copy of Service By Signal Substitution (S.S.S.), originally published by a Precision Apparatus Co. engineer. No deep theory. I have used the signal substitution service principal professionally for over 55 years. It works. Only - $15 including S&H. #5 = refurbished test equipment. Get started now with refurbished and calibrated tube testers, signal generators, V.T.V.M., condenser testers, etc - $85 and up. #6 = Accessories. 7, 9 pin miniature & octal socket savers - $15 ea. Set of 4, 5, 6, 7 pin test adaptors with obsolete tube test data for Hickok 6000A - $65. Pre-punched cards for Hickok cardamatic - $1.50 per card. Red & Black universal test lead set - $15. Replacement parts for test equipment. #7 = technical data. Hickok, Eico, Heath and military test equipment manuals and tube charts. All backed by professional technical assistance if needed. As always, satisfaction guaranteed. WANTED: Dead or alive, complete, repairable Hickok, military and other major makers of radio test equipment. MESSAGE: Service that satisfies for over 59 years. Wendelle E. Hall, 3 Mockingbird Cir., Jeffersonville, IN 47130. (812) 282-9709. E-mail: hickok@bellsouth.net. Web: http://www.geocities.com/hickokrepair/WendelleEHall.html


SERVICES: Reproduction Philco cabinet manufacturers and cabinet parts for Models 20, 21, 70 and 90. Grandfather clock finials: Philco 570; GE H-91; Crosley 124. Philco colonial clock top trim and finials. Other parts inquiry. Gang tube shields: 20; 21; 70 and 90. Riders Radio Manual index 1 through 23, copies. Dick Oliver, 1725 Juniper Place #310, Goshen, IN 46526. (574) 537-3747. E-mail: dolyears@aol.com

SERVICES: Can’t wait months for a quality antique radio restoration? Then call me. I’ll restore your radio promptly and for a reasonable price. I bring 15 years of experience and a passion for perfection to the process. Send me your wretched radios yeaming to be fixed! Mike Simos, 100 Commonwealth Ave., Merrick, NY 11566. (516) 223-1470. E-mail: mike_simos@yahoo.com

SERVICES: E-mail schematics/Riders, Sams, Beitrman’s, radios, TVs, SW-ham, audio, T-Os, most - $3. Lots more. Zach Taylor, 1413 Broadway, Lincoln, IL 62656. http://radiorelics.tripod.com

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

SERVICES: Antique radio repair, 50 years experience. James Sinwell, 511 Newport Dr., Greensburg, PA 15601. (724) 834-0763

Classified Ad Deadline Noon
Oct. 10 for Nov. 2002 Issue
Nov. 10 for Dec. 2002 Issue
Boxed, Photo, & Display Ads - 1st

HELP: Need 1950s hi-fi grille cloth, cream color. Gary Stork, 37530 E. Meadowhill, Northville, MI 48167. (248) 478-0990. E-mail: from www.theliveministermusic.com

HELP: Need RCA 140 audio driver #6603 and output transformer #6605. Roy Johnson, 2307 Palm Beach Ave., Pittsburgh, PA 15216. (412) 343-3032. E-mail: oldparadio@msn.com

HELP: I need service information for RCA Model RZM198E with schematic, your price. Irv Sanders, 242 Hunter Ln., Harrisburg, PA 17112. (717) 469-2185. E-mail: sparkey34@juno.com

FREE: To a good home: Stromberg Carlson PA console, AM/FM tuner, mix mixer, phono, 30 m intercom. Will deliver free Boston area only. Ross Hochstrasser, 40 Walnut St., Whitman, MA 02382. (781) 447-9104


FOR TRADE: My Rider manuals (see Sept. issue) for small Deco table top or tombstone sets. Call for more info. A. Bruno, 24 Buttermut Dr., New City, NY 10956. (845) 354-8899
OHIO - Oct. 1
ANTIQUE RADIO COLLECTORS OF OHIO MEETING
Dayton, OH - 2929 Hazelwood Ave.
7 pm
Info: Karl Koogle - (937) 294-8960 - karltrad@gemair.com

ONTARIO - Oct. 2
OTTAWA VINTAGE RADIO CLUB FLEA MARKET - MEETING
Ottawa, Ont. - The Ottawa Citizen Conference Room, 1101 Baxter Rd.
Flea Market: 7 pm - Meeting: 8 pm
Info: OVRC - (613) 832-3097
www.ovrc.org

ARKANSAS - Oct. 3
ANTIQUE 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 - (501) 782-8178

NEW YORK - Oct. 4
VINTAGE RADIO AUCTION
Sanitaria Springs, NY - Rte. 188, Exit 4
Preview: 5 pm
Auction: 6 pm
Info: Goldfuss & Assoc. Auction Services
(607) 648-2228 www.goldfuss-auction.com

GEORGIA - Oct. 4-5
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: 5th OF MONTH

CALIFORNIA - Oct. 5
CALIFORNIA HISTORICAL RADIO SOCIETY SWAP MEET & OPEN HOUSE
Pismo Beach, CA, Oceano Airport
561 Airpark Dr. - 8 am
Info: CHRS Hotline - (415) 821-9800
www.californiahistoricalradio.com

FLORIDA - Oct. 5
JACKSONVILLE ANTIQUE RADIO SOCIETY 4TH RADIO SALE & SWAP MEET
Jacksonville, FL - Ramona Flea Market
7059 Ramona Blvd. Interstate 10, Exit 357
8 am - 1 pm
Info: Sean Olin (904) 386-8332
radiofan@bellsouth.net

WASHINGTON - Oct. 5
RADIO ENTHUSIASTS OF PUGET SOUND MEETING
Seattle, WA - Queen Anne Library
400 W. Garfield
2 pm
Info: REPS - (206) 488-9518 - www.repsonline.org

MARYLAND - Oct. 6
MID- ATLANTIC ANTIQUE RADIO CLUB FALL MINI-MEET
Davidsonville, MD - Rec. Center Queen Anne Bridge Rd.
9 am
Info: Eric Stenberg (703) 780-7391
www.maarc.org

A free* listing on these pages is available for each coming 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. Submission deadline - 5th of month. *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.
NEW YORK – Oct. 6
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

WISCONSIN – Oct. 6
WISCONSIN ANTIQUE RADIO CLUB SWAP MEET
Hubertus, WI - Richfield Chalet
1271 Hwy. 175
8 am - 11 am
Info: Bill Engaa - (414) 328-0223
engaa@milwpc.com

MISSOURI – Oct. 8
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, Show & Tell, Swap Table
Info: Joe Tauser – (636) 677-4973 – joetauser@cs.com

N. CAROLINA – Oct. 8
EAST CAROLINA ANTIQUE RADIO CLUB MEETING – 7 pm
Greenville, NC – Sheppard Memorial Library
Meeting Room A, 530 Evans St.
Info: Bill Engstrom – (252) 355-8732
Herman Schnur – (252) 752-2264

 PENNSYLVANIA – Oct. 8
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/~firsttake/dvhrc.htm

OHIO – Oct. 8
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
sparkinc@juno.com - www.antiqueradios.com/spark

TEXAS – Oct. 8
HOUSTON VINTAGE RADIO ASSN. AUCTION & PROGRAM
Houston, TX – Bayland Park Community Center
6400 Bissonnet
6:30 pm
Info: Bill Werzner – (713) 721-2242
mingqil53@earthlink.net - www.clarc.org/HVRA

VIRGINIA – Oct. 9
TIDEWATER ANTIQUE RADIO ASSOC. MEETING
7 pm
Norfolk, VA – Dale’s Train Station
5860 Poplar Hail Drive
Info: Vic Johnston – (757) 825-0757, eves.
Scott Balderston – (757) 549-0449, eves.

ARKANSAS – Oct. 10
ARKANSAS ANTIQUE RADIO CLUB MEETING – 7 pm
Call for Location and Directions
Info: Tom Burgess – (501) 455-0773

NEVADA – Oct. 10
NEVADAN ENTHUSIASTS FOR ANTIQUE RADIOS – MEETING
Las Vegas, NV - Henderson Police Substation, 300 Green Valley Pkwy.
7 pm
Info: Cort & Eileen Ancman
(702) 312-7110
www.u2.lvcm.com/radio/near/

NEW JERSEY – Oct. 11
NEW JERSEY ANTIQUE RADIO CLUB MEETING
Call for location and directions.
7:30 pm
Info: Marv Beeferman – (609) 693-9430
Phil Vourtsis – (732) 446-2427 – www.njarc.org

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

MENTION A.R.C. WHEN CONTACTING CLUBS!
**MARK YOUR CALENDAR**

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<td>OKVRC Meeting</td>
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<tr>
<td>Oct. 21</td>
<td>OR, Portland</td>
<td>NVRS Fall Swap</td>
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<td>Oct. 22</td>
<td>IL, Elgin</td>
<td>ARCI Swap Meet</td>
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<td>Oct. 23</td>
<td>NM, Albuquerque</td>
<td>NMRC Fall Meet</td>
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<td>Oct. 24</td>
<td>GA, Norcross</td>
<td>SARS Meeting</td>
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<td>Oct. 25</td>
<td>CA, Sacramento</td>
<td>CHRS-Sac. Meeting</td>
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<td>Oct. 26</td>
<td>OH, Columbus</td>
<td>COARA Meeting</td>
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<td>Oct. 27</td>
<td>OH, Cincinnati</td>
<td>CARS Meeting</td>
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<td>Oct. 28</td>
<td>OK, Tulsa</td>
<td>OKVRC-GCC Meeting</td>
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<td>Oct. 29</td>
<td>NY, Highland Falls</td>
<td>HARP'S Meeting</td>
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<tr>
<td>Oct. 30</td>
<td>OK, Midwest City</td>
<td>OVRC Convention</td>
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<tr>
<td>Oct. 31</td>
<td>TX, Irving</td>
<td>VRPS Swap Meet</td>
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<td>Nov. 1</td>
<td>TN, Nashville</td>
<td>NVRC Swap &amp; Auction</td>
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<td>Nov. 2</td>
<td>WV, Huntington</td>
<td>MRT Fall Show &amp; Meet</td>
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<td>Nov. 3</td>
<td>NJ, Wayne</td>
<td>WPAL Music Extravaganza</td>
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<td>Nov. 4</td>
<td>MD, Davidsonville</td>
<td>Estate Auction</td>
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<td>Nov. 5</td>
<td>TX, Schertz</td>
<td>TARC Meeting</td>
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<td>Nov. 6</td>
<td>TN, Memphis</td>
<td>MARC Meeting</td>
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<tr>
<td>Nov. 7</td>
<td>WA, Seattle</td>
<td>PSARA Meeting</td>
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<td>Nov. 8</td>
<td>FL, Jacksonville</td>
<td>JARS Meeting</td>
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<td>Nov. 9</td>
<td>OH, Kettering</td>
<td>SPARK Meeting</td>
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<td>Nov. 10</td>
<td>MO, Kansas City</td>
<td>MAARC Auction</td>
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<td>NC, Jamestown/Greensboro</td>
<td>CC-AWA Fall Swap</td>
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<td>Nov. 12</td>
<td>IL, Olney</td>
<td>Auction</td>
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<td>Nov. 13</td>
<td>NY, Scenectady</td>
<td>SARC Meeting</td>
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<td>Nov. 14</td>
<td>AL, Birmingham</td>
<td>AHRS Meeting</td>
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<td>Nov. 15</td>
<td>CA, Los Altos</td>
<td>CHRS Swap Meet &amp; Auction</td>
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<td>Nov. 16</td>
<td>ON, London</td>
<td>LVRC Meeting</td>
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<td>Nov. 17</td>
<td>IA, Marshalltown</td>
<td>Auction</td>
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<td>Nov. 18</td>
<td>MN, St. Paul</td>
<td>Fall Swap Meet</td>
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<td>Nov. 19</td>
<td>WA, Seattle</td>
<td>REPS Meeting</td>
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<td>Nov. 20</td>
<td>NY, Lake Ronkonkoma</td>
<td>GNYWYA Swap</td>
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<td>Nov. 21</td>
<td>OH, Brunswick</td>
<td>BARPC Fall Auction</td>
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<td>OH, Dayton</td>
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<td>Austria, Vienna</td>
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<td>ON, Ottawa</td>
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<td>AR, Fort Smith</td>
<td>ARCCFS Meeting</td>
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<td>NJ, &quot;Call&quot;</td>
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<td>TX, Mesquite</td>
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<td>Nov. 28</td>
<td>TX, Houston</td>
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<td>Nov. 29</td>
<td>MI, Kalamazoo</td>
<td>MARC Fall Meet</td>
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**MARK YOUR CALENDAR**

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<td>VA, Norfolk</td>
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**INFORMATION - Oct. 12**

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**NEW HAMPSHIRE - Oct. 12**

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**OKLAHOMA - Oct. 12**

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Publicize Your Event

Submit your listing to A.R.C.
arc@antiqueradio.com or fax: (978) 371-7129
Or mail to: PO Box 2, Carlisle, MA 01741
OREGON - Oct. 12
NORTHWEST VINTAGE RADIO SOCIETY
FALL SWAP/SALE
Portland, OR - Salvation Army Rose Center
1785 N.E. Sandy Blvd.
9 am - 2 pm
info: Ed Charman - (503) 654-7387
http://nwvrs.org

ILLINOIS - Oct. 13
ANTIQUE RADIO CLUB OF ILLINOIS
SWAP MEET
Elgin, IL - Ramada Inn- West Parking Lot
345 River Road – (847) 685-5000
7 am - 11am
Info: ARCI, PO Box 1139, LaGrange Park,
IL 60526 - www.antique-radios.org
clubinfo@antique-radios.org

NEW MEXICO - Oct. 13
NEW MEXICO RADIO COLLECTORS CLUB
MEET
Albuquerque, NM - Anna Kaseman Hospital
8300 Constitution Ave. (W. of Wyoming)
1:30 pm: Tailgate Swap Meet
2 pm: Program, Show & Tell and Auction
Info: Chuck Burch – (505) 286-9674
ChuckBurch@aol.com - http://members.aol.com/NM RCC

GEORGIA - Oct. 14
SOUTHEASTERN ANTIQUE RADIO SOC.
MEETING WITH SHOW & TELL
Norcross, GA - Picadilly Cafeteria
3400 Holcomb Bridge Road
6:30 pm
Info: Gordon Hunter – (770) 475-0713

CALIFORNIA - Oct 15
CALIF. HISTORICAL RADIO SOCIETY
SACRAMENTO CHAPTER - MEETING
Sacramento, CA – Commerce Community
Bank Bldg., Room 100, 1500 River Park Dr.
7 pm
Info: CHRS Hotline – (415) 821-9800
www.californiahistoricalradio.com

OHIO - Oct. 16
CINCINNATI ANTIQUE RADIO SOCIETY
MEETING
Cincinnati, OH - Scarlet Oaks Career
Development Center, Entry 1
7:30 pm
Info: Tina Haucke - (513) 247-9406

OHIO - Oct. 16
CENTRAL OHIO ANTIQUE RADIO ASSOC.
MEETING
Columbus, OH – DeVry Institute of Tech.
1350 Alum Creek Rd., I-70 Exit 103B
7:30 pm
Info: Barry Gould – (614) 777-8534
Chuck Davis – (614) 792-6237
http://members.tripod.com/-COARA/index.htm

OKLAHOMA - Oct. 17
OKVRC GREEN COUNTRY CHAPTER
MEETING
See web site for meeting location
7 pm
Info: Curt Lutz - (918) 251-4915
OldERadios@cs.com
http://members.cox.net/okvrc/

NEW YORK - Oct. 18
HUDSON VALLEY ANTIQUE RADIO
AND PHONO. SOCIETY - MEETING
Highland Falls, NY - Art Kingsley Residence
7-9 pm (Call to confirm details)
Info: Peter DeAngelo – (914) 496-5130
harpsny.tripod.com

OKLAHOMA - Oct. 19
OKLA. VINTAGE RADIO COLLECTORS
FALL CONVENTION/ SWAP MEET
Midwest City, OK - Midwest City Convention Ctr
Intersection of Reno & Midwest Blvd.
Contact for time
Info: Frank Karner - (405) 769-4656
http://members.cox.net/okvrc/

TEXAS - Oct. 19
VINTAGE RADIO & PHONO. SOCIETY
SWAP MEET & MEETING
Irving, TX - Senter East Building
Swap:1 pm - Meeting: 3 pm
Info: George Potter – (972) 353-4862
http://radioremembered.org

New Club Forming?
Let A.R.C. Help You Find New Members
Send your information to
arc@antiqueradio.com or fax: (978) 371-7129
Or mail to: PO Box 2, Carlisle, MA 01741

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TENNESSEE - Oct. 19
NASHVILLE VINTAGE RADIO CLUB
SWAP MEET & AUCTION
Nashville, TN - The Associated Builders and Contractors Building (Inside) 1604 Elm Hill Pike
Swap Meet: 7 am - Noon
Walking Auction: 10:30 am
Info: Larry Chambers (615) 833-2448

W. VIRGINIA - Oct. 19
MUSEUM OF RADIO & TECHNOLOGY
FALL TRADERS SHOW & MEET
Huntington, WV - 1640 Florence Ave.
Contact for time
Web: http://zip.to/mrt

TENNESSEE - Oct. 20
MEMPHIS ANTIQUE RADIO CLUB
MEETING
Memphis, TN - St. Timothy United Methodist Church, 4105 St. Elmo Ave.
2 pm
Info: Ray Eaton (731) 989-7089, reaton@fhu.edu

MARYLAND - Oct. 20
THE RADIO HISTORY SOCIETY & THE RADIO - TELEVISION MUSEUM
THE NYE ESTATE AUCTION
Davidsonville, MD - Rec Center
3789 Queen Anne's bridge Rd.
Preview: 10 am
Auction: 11 am
Info: Brian Belanger (301) 258-0708
bcbelanger@aol.com

TEXAS - Oct. 20
TEXAS ANTIQUE RADIO CLUB
MEETING
Schertz, TX - VFW Hall
2 pm
Info: Ed Engelken - EdEngel@gvtc.com
(830) 899-3864 - www.gvtc.com/~edengel/TARC.htm

NEW JERSEY - Oct. 20
WAYNE POLICE ATHLETIC LEAGUE
MECHANICAL MUSIC EXTRAVAGANZA
Wayne, NJ - I Pal Dr.
9 am - 3 pm
Info: (973) 655-9730

WASHINGTON - Oct 20
PUGET SOUND ANTIQUE RADIO ASSN.
MEETING
Seattle, WA - Shoreline Museum
N. 175th & Linden Ave.
10 am-1Noon
Info: PO Box 2095, Snohomish, WA 98291
(425) 747-1323 – (206) 546-5495
http://www.eskimo.com/~hhagen/psara.html

FLORIDA - Oct. 21
JACKSONVILLE ANTIQUE RADIO SOCIETY
MEETING
Jacksonville, FL - Countryside Village Mobile Home Park Clubhouse, 10960 Beach Blvd.
7:30 pm
Info: Sean Olin – (904) 386-8332 - radiofan@bellsouth.net
http://community-2.webtv.net/jarsclub/JACKSONVILLEANTIQUE

OHIO - Oct. 22
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
sparkinc@juno.com - www.antiqueradios.com/spark

KANSAS - Oct. 26
MID AMERICA ANTIQUE RADIO CLUB
AUCTION
Kansas City, MO - Hickman Mills Church
5809 Red Bridge Rd.
10 am - 2 pm
Info: Bob Lutz (913) 894-1327

N. CAROLINA - Oct. 26
CAROLINAS CHAPTER - AWA
FALL SWAP MEET
Jamestown, NC - City Lake Park
High Point Rd.
8 am - Noon
Info: www.cc-awa.org

ILLINOIS - Oct. 27
13th ANNUAL RADIO CONSIGNMENT AUCTION
Olney, IL - Eric’s Auction Barn
1000 Southwest - (618) 392-2343
10 am
Info: Wayne Martin - (573) 547-4292
martinwm@brick.net
NEW YORK - Oct. 27
SCHENECTADY ANTIQUE RADIO CLUB
MEETING
Schenectady, NY - Schenectady Museum & Planetarium, Knott Terrace
1:30 pm
Info: David Eilers - (518) 237-2665
http://dadellers.tripod.com/sarc

ALABAMA - Oct. 28
ALABAMA HISTORICAL RADIO SOCIETY
MEETING
Birmingham, AL - Homewood Public Library
1721 Oximoor Road
7 pm
Info: Ron Westbrook - (205) 833-8035 - www.ahrs.org

MINNESOTA - Nov. 2
NORTHLAND ANTIQUE RADIO CLUB
FALL SWAP MEET
West St. Paul, MN- St Croix Lutheran High School - 1200 Oakdale Ave.
Contact for time
www.geocities.com/TelevisionCity/4544/

IOWA - Nov. 2
GENE HARRIS ANTIQUE AUCTION CENTER
CONSIGNMENT AUCTION
Marshalltown, IA - Harris Antique Auction Center - 203 S. 18th Ave
10 am
Info: Terry Stern - (641) 752-0600
www.geneharrisauctions.com

CALIFORNIA - Nov. 2
CALIFORNIA HISTORICAL RADIO SOCIETY
SWAP MEET & AUCTION
Los Altos, CA - Foothill College, lot 4
8 am
Info: CHRIS Hotline - (415) 821-9800
www.californiahistoricalradio.com

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

ONTARIO - Nov. 2
LONDON VINTAGE RADIO RADIO CLUB
MEETING
London, Ont. - 427 Wing, 2155 Crumlin Rd.
12:30 pm
Info: Dave Cantelon - justradios@yahoo.com
(416) 502-9128

NEW YORK - Nov. 3
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 - Nov. 3
BUCKEYE ANTIQUE RADIO & PHONO CLUB
FALL AUCTION
Brunswick, OH - Brunswick Public Library
3649 Center Road (Rte. 303)
1 pm - 4:30 pm
Info: Kevin Grimm - (330) 928-8341

OHIO - Nov. 5
ANTIQUE RADIO COLLECTORS OF OHIO
MEETING
Dayton, OH - 2929 Hazelwood Ave.
7 pm
Info: Karl Koogle - (937) 294-8960 - karlkrad@gemair.com

AUSTRIA - Nov. 6
AUCTIONHOUSE DOROTHEUM
HISTORICAL RADIO AUCTION
Vienna, Austria - Erlachgassee 90
2 pm
Info: Fax: (011) 43-1-515-60-508
katalog@dorotheum.at - www.dorotheum.com

ONTARIO - Nov. 6
OTTAWA VINTAGE RADIO CLUB
GENERAL AUCTION - 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

Clubs, have you set date(s) for your 2003 annual major meets/shows/conventions? Submit them now for listing in Mark Your Calendar.
ARKANSAS - Nov. 7
ANTIQUE 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 - (501) 782-8178

NEW JERSEY - Nov. 8
NEW JERSEY ANTIQUE RADIO CLUB
MEETING
Call for location and directions.
7 pm
Info: Marv Beeferman - (609) 693-9430
Phil Vourtsis - (732) 446-2427 - www.njarc.org

TEXAS - Nov. 8-10
VINTAGE RADIO & PHONO. SOCIETY/AWA
CONVENTION '02
5 Auctions - Equip. Contest - Banquet
Flea Market
Info: VRPS, P.O. Box 165345, Irving, TX 75016
http://radioremembered.org

OKLAHOMA - Nov. 9
OKLA. VINTAGE RADIO COLLECTORS
MEETING
Oklahoma City, OK - Del City Convention
Center, 4504 S.E. 15th St.
6 pm: Dinner - 7 pm: Meeting
Info: Frank Karner - fkarner@mmsable.com
(405) 769-4656 - http://members.cox.net/okvrc/

OREGON - Nov. 9
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 - (530) 654-7387
http://nwwrs.org

MICHIGAN - Nov. 9
MICHIGAN ANTIQUE RADIO CLUB
FALL MEET
Kalamazoo, MI - Kalamazoo County
Fairgrounds
9 am - 1 pm
Setup and early buyer 8 am
Info: John DenHartigh (616) 343-7072

TEXAS - Nov. 9
HOUSTON VINTAGE RADIO ASSN.
MEETING
Houston, TX - American Legion Hall
4720 Alba
1 pm
Info: Bill Werzner - (713) 721-2242
mingqi53@earthlink.net - www.clarc.org/HVRA

COLORADO - Nov. 10
COLORADO RADIO COLLECTORS
MEETING
Denver, CO - Museum of the Americas
863 Santa Fe Ave.
1 pm
Info: Larry Weide - (303) 758-8382

NEW MEXICO - Nov. 10
NEW MEXICO RADIO COLLECTORS CLUB
MEET
Albuquerque, NM - Anna Kaseman Hospital
8300 Constitution Ave. (W. of Wyoming)
1:30 pm: Tailgate Swap Meet
2 pm: Program, Show & Tell and Auction
Info: Chuck Burch - (505) 286-9674
ChuckBurch@aol.com - http://members.aol.com/NMRCC

GEORGIA - Nov. 12
SOUTHEASTERN ANTIQUE RADIO SOC.
MEETING WITH SHOW & TELL
Norcross, GA - Picadilly Cafeteria
3400 Holcomb Bridge Road
6:30 pm
Info: Gordon Hunter - (770) 475-0713

MISSOURI - Nov. 12
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, Show & Tell, Swap Table
Info: Joe Tauser - (536) 577-4973 - joetauser@cs.com

N. CAROLINA - Nov. 12
EAST CAROLINA ANTIQUE RADIO CLUB
MEETING
Greenville, NC - Sheppard Memorial Library
Meeting Room A, 530 Evans St.
7 pm
Info: Bill Engstrom - (252) 355-8732
Herman Schnur - (252) 752-2264
Pennsylvania - Nov. 12
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/~firsttake/cvhrc.htm

Virginia - Nov. 13
Tidewater Antique Radio Assoc. Meeting
Norfolk, VA - Dale's Train Station
5880 Poplar Hall Drive
7 pm
Info: Vic Johnston - (757) 825-0757, eves.
Scott Balderston - (757) 549-0449, eves.

Arkansas - Nov. 14
Arkansas Antique Radio Club Meeting
Call for Location and Directions
7 pm
Info: Tom Burgess - (501) 455-0773

Texas - Nov. 16
Texas Antique Radio Club Meeting
Kyle, TX - Railroad BBQ
7 pm
Info: Ed Engelken - EdEngel@gvtc.com
(830) 893-3864 - www.gvtc.com/-edengel/TARC.htm

Connecticut - Nov. 30
Vintage Radio & Communications Museum of CT - Swap Meet
Windsor, CT - 33 Mechanic St.
8 am
Info: John Ellsworth - (860) 673-0518
radioclctr@aol.com
www.nationalcommunicationsmuseum.org

Oklahoma - Nov. 21
OKVRC Green Country Chapter Meeting
See web site for meeting location.
7 pm
Info: Curt Lutz - (918) 251-4815 - OldeRadios@cs.com
http://members.cox.net/okvrc/

British Columbia - Nov. 24
Canadian Vintage Radio Society BC Chapter - Meeting
Richmond, BC - Steveston Hotel
Time: TBA
Info: Fred Tutt - (604) 275-2033
www.canadianvintageradio.com

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.

Business card ads - $53.00 for 3 months

Decals & Dial Scales
Rock-Sea Enterprises
PMB 241
323-110 E. Matilija St.
Ojai, CA 93023
Mike Tobin
(805) 646-7362
dials@juno.com
http://members.aol.com/RockSeaEnt

Antique Radios Wanted

Dave Crocker
35 Santuit Pond Rd. #4B
Mashpee, MA 02649
(508) 477-1578

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Components, kits, test equipment, books, tools, and supplies.
Many hard to find items like variable capacitors, coil forms, vernier dials and drives, magnet wire, toroids, and more.
Visit our 120 page catalog on-line at
www.oselectronics.com
or write for our FREE 120 page paper catalog. Visa, MC, & Amex accepted.
Ocean State Electronics
PO Box 1458
Westerly, RI 02891
800-866-6626

Just Radios
Capacitors & Schematics for Tube Radios

David and Babyllyn Cantston
42 Clematis Rd., North York
Ontario, Canada M2J 4X2
www.justradios.com
justradios@yahoo.com
(416) 502-9128

66
<table>
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<th>BUSINESS CARD ADS - $53.00 FOR 3 MONTHS</th>
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<tr>
<td><strong>ANTIQUE RADIO REPAIR</strong></td>
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<tr>
<td>Repair - Restore - Buy &amp; Sell</td>
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<tr>
<td>Schematic Service</td>
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<tr>
<td>Radios $3.00, TVs $5.00</td>
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<tr>
<td><strong>DAMASKE ELECTRONICS</strong></td>
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<tr>
<td>S74-W16834 Janesville Road</td>
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<tr>
<td>Muskego, WI 53150</td>
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<td>Phone: (262) 679-0838</td>
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| FOR SALE: Just released, Flyer 200A. |
| For details send 2-stamp LSAE        |
| for 20-page flyer to:                |
| **Olde Tyme Radio Company**          |
| 2445 Lyttonville Road, Suite 317     |
| Silver Spring, MD 20910               |
| Fax/phone: (301) 587-5280             |
| Fax anytime, phone 10 am-10 pm local time |
| E-mail: olde tymerradio@juno.com      |

| Erstwhile Radio Brings You             |
| Obtains Rare Broadcasts on Cassette    |
| 6,700+ Shows Available - Purchase By The Hour |
| Catalog is Only $3.60 (P & H) - Send To:|
| Erstwhile Radio                        |
| PO. Box 2864                          |
| Peabody, MA 01960-7884                |
| Your Ticket To The Golden Age of Radio |

| Antique Radio Grilleep Cloth           |
| John Okolowicz, NVSSR                  |
| 624 Cedar Hill Rd.                    |
| Ambler, PA 19002                      |
| $3 for samples                        |

| www.Grilleepcloth.com                 |

| Modern Radio Laboratories®            |
| Since 1932                            |
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| Crystal Set and One Tube Radio Instructions. Exclusive source, printing and publishing of all NML, Handbooks & literature by Elmer G. Østervold. Tossed instructions and plans. |

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| **ANTIQUE RADIO REPAIR**              |
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| **ELECTRICITY**                       |
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| **PRE 1900**                          |
| RADIO • WIRELESS                      |
| **NEW WIRELESS PIONEERS**             |
| **BOOKS • TUBES • ARTIFACTS**          |
| **MAGAZINES • AUTOGRAPH**             |
| **CATALOGS • EPHEMERA**               |
| **FREE ESTIMATES**                    |

| **Erstwhile Radio Brings You**         |
| Obtains Rare Broadcasts on Cassette    |
| 6,700+ Shows Available - Purchase By The Hour |
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| Erstwhile Radio                        |
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| Catalog $2.00 ppd.                    |

| **WANTED**                            |
| **ELECTRICITY**                       |
| Medical • X-RAY                       |
| TELEGRAPHY • TELEPHONE                |
| **PRE 1900**                          |
| RADIO • WIRELESS                      |
| **NEW WIRELESS PIONEERS**             |
| **BOOKS • TUBES • ARTIFACTS**          |
| **MAGAZINES • AUTOGRAPH**             |
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The Collector's Guide to Novelty Radios, Book II, Bunis & Breed. All new 2nd volume. New radios are described with current prices. 600+ all new color photos. 208 pgs. .................................................. $19.95

The Collector's Guide to Transistor Radios, 2nd Ed., Bunis. Identifies the most sought-after vintage transistor radios. Over 2,900 models, 375 all new color photos, with current prices. 320 pgs. .................................................. $18.95

The Collector's Guide to Vintage Televisions, Durbai & Bubenheimer. Includes information about the size of the screen, year of manufacture, cabinet composition, and current value for over 1,400 vintage TVs made from 1945-1960 and transistor sets through 1980. 200+ color photos. 176 pgs. .................................................. $15.95


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, cabinet materials & colors. 240 pgs. .................................................. $34.95


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(Feb-02)
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By Maurice L. Sievers

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Perfect for the beginning collector!
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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 ½” x 11”, 282 pages.

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Books About Tubes

The Collector's Vacuum Tube Handbook, Vol. 1, Millard. Hard-to-find electrical data on 200+ tube types that pre-date the RMA standardized numbering system (1934). Basing diagrams, photos & brief developmental histories. 196 pgs. NEW — $25.95

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

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

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. — $26.95

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

Saga of the Vacuum Tube, Tyne. 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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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 ⅛" x 11". 160 pgs. Softcover - $29.95

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 ⅛" x 11". 170 pgs. Softcover - $19.95

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 ½" x 11". 224 pgs. Softcover - $18.95

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 ½" x 11". 208 pgs. Softcover - $19.95

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 ½" x 11". 160 pgs. Softcover - $29.95

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 ¾" x 11". 259 pgs. Softcover - $26.95

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Amateur Radio Books


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 pages. 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

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

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Books About Television

Collector's Guide to Vintage Televisions, Durbal & Bubenheimer. Includes information about the size of the screen, year of manufacture, cabinet composition, and current value for over 1,400 vintage TVs made from 1945-1960 and transistor sets through 1980. 200+ color photos. 176 pages. — $15.95

Classic TVs, 2nd Printing, Wood. 140+ televisions, from prewar to the 1950s. Revised price guide. Color photos, B&W reproductions of catalogs and advertisements. 86 pages. — $18.95


Old Television, Emmerson. The development and history of television from the Baird Television until the introduction of color television to Britain in 1969. 50 photos. 32 pages. — $4.95

Collectable Transistor TVs, Bunis. Identification, description, and value ranges for 150 transistor televisions from 29 manufacturers. 150+ B&W photos. 44 pages. — NEW $19.95

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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


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 — $14.95

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 1928-38 Radio Diagrams and Servicing Information (reprint). 600+ diagrams for mostly AC radios from ’26-’38. 240 pgs. — $18.50

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**WANTED**

Cash paid for any Catalin Radio in any condition!!!

<table>
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<th>MAKE</th>
<th>MODEL</th>
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**COLOR**

**PRICE**

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Above prices are for undamaged, original examples. Prices paid for damaged or parts sets available on request.

Call or email me: Steve@catalinradio.com

**Prices subject to change without notice!**

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