

# ANTIQUE RADIO CLASSIFIED



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

## ANTIQUE RADIO CLASSIFIED

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1/2 H	5 1/4 x 7 1/2	3 5/16 x 4 3/4	3 5/16 x 4 3/4	3 5/16 x 4 3/4	146.00	389.00	675.00*	1175.00**	37.00†
1/2 V	12 7/16 x 3 9/16	7 3/4 x 2 1/4	7 3/4 x 2 1/4	7 3/4 x 2 1/4	146.00	389.00	675.00*	1175.00**	37.00†
1/4	5 1/4 x 3 9/16	3 5/16 x 2 1/4	3 5/16 x 2 1/4	3 5/16 x 2 1/4	74.00	197.00	342.00	595.00	19.00†
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# ANTIQUE RADIO CLASSIFIED



## EDITOR'S COMMENTS

Everything is fine at A.R.C. The Ides of March passed without incident, and heavy pre-April showers bode well for an early spring. Furthermore, our new staff members have settled in and become part of the A.R.C. family.

Many of you have heard their names and very different accents on the telephone. Tammy DeGray, a New Englander, has taken over Lisa Friedrichs' duties as office manager. Lisa gave Tammy a tutorial or two, and that was all that was necessary. Within a few weeks she was managing this sometimes unwieldy job, as well as the big Radio XXIX meet in Westford, Mass — "trial by fire" it's called — and she survived!

Our callers from southern states must feel right at home when they hear Laura Katz's soft tones. Laura is from North Carolina, and she and her husband moved here a few months ago when he took a job with Iris Corp.

A graduate in English from the University of North Carolina with experience in journalism, Laura joins our editorial staff. In particular, she replaces Chris Frederickson in handling club news, so all you club organizers should keep her well supplied with information.

Personnel changes often lead to realignment of existing staff jobs. When Scott Young left us for "Corporate America," Cindie Bryan was the obvious choice to add his job as production manager to her own as advertising manager. Though her office door sign says, "Cindie Bryan Housemother," we now call her, "Superwoman."

People may come and go, but old radio dogs never die. Take Nipper, who rises again and again. Just when we think we've said all there is to say about that wily critter, he surfaces one more time, as in our lead story. We were inundated with newspaper clippings about the preservation of the RCA Nipper building in Camden, N. J., while other RCA buildings were imploded around him. We just had to pass the story on to those of you not in range of the Philadelphia or New Jersey papers.

Once again Dave Crocker presents an article on an unusual find. His Clarophone is a horn speaker which can be overlooked by collectors because it appears to belong in a cabinet rather than what it is — a stand-alone horn speaker. The idea that it is shaped like Caruso's throat should give you opera buffs pause.

The GE K-52, a 1933, 5-tube cathedral, is the subject of another of Richard Arnold's short but informative pieces. And in an article on capacitance measuring, Ben Miller offers tips on improving the accuracy of capacitor testers when measuring values lower than 500 pf. Ben explains how to build inexpensive adaptors to help solve this problem.

Your editor recalls that he and other collectors gathered around Phil Harris' "Whatzit" at Radiofest '96. Phil's article says that his machine is still a mystery, so we're calling it a "home-brew sculpture."

Two auctions, a day apart — one in Connecticut, the other in Missouri — are reported by Gray Chase and Ron Ramirez. These two reporters do a great job for you A.R.C. readers — they know how much you appreciate these reports, and they just do it without prompting. Thanks, Ray and Ron.

In the Connecticut auction, several early battery sets sold in the \$100 range. Perhaps the most striking item was the combination fire/replace/radio/phonograph/bar selling at \$170. Quite a creation!

In the Missouri auction, Zeniths were the hot tickets — at least six sold for over \$100. The real winner was a Zenith 15U270 console selling at \$1,900. What could make this set worth \$1,900? Answer: ca 1938, 15 tubes, 4 bands, both 6" and 12" speakers, and electric automatic tuning. Obviously, this auction proves that quality items bring good prices.

*Photo Review* contains some very unusual items this month. One is an Amrad 3500-U receiver consisting of six separate boxes — a rare find. And you have to see the Tun-A-Loop to believe it. It has multiple loops that swing and revolve on a Bakelite base.

*Radio Miscellanea* reflects welcome feedback on articles and questions asked in previous issues. Serge Krauss' letter refers to the December article about Zenith. His conversation with Al Morgan, cofounder of Adams-Morgan Co., sheds more light on the Adams-Morgan/CRL dispute over the use of the name "Paragon" on their similar products. It is interesting to think that Paul Godley, the Adams-Morgan designer, felt that for his product, the word was an exaggeration.

A question about tube repair in the February issue led to Byron Bernor's helpful description of his successful use of Super Glue. And, of course, the internet discussion goes on. Larry Dowell puts it succinctly when he suggests that the internet is hard to ignore.

**Area Code Change.** Some folks haven't noticed our change of area code on the masthead and in other spots in the magazine. So, here it is — **978**. Please make the change on your list of "important telephone numbers."

**Coming Radio Events.** As always, when spring rolls around, we have many events to look forward to in radioland. Swap meets loom large in New Hampshire, Kentucky, Washington, Virginia, and elsewhere. The Colorado Radio Collectors and the Indiana Historical Radio Society will hold 3-day meets in April. As usual, we urge you to find an event near you and enjoy the camaraderie and the pleasure of the search.

Happy collecting!

John W. Terrey, Editor

## ON THE COVER

Our cover photo was contributed by Charles W. Rhodes, who acquired the Chinese power triode in Beijing, China, several years ago. Rhodes was unable to get any electrical data on this tube, but believes that it must have been made before the Communists took over. Since it has no identifying marks, he guesses that it was custom-made for a rich warlord. The tube stands about 7½" tall, and its base resembles a Taylor transmitter tube base. Note the plate cap at the top. Unfortunately, the tube is gassy, but it is a work of art and enjoyable to look at even now.

See *Radio Miscellanea* for more information on this fascinating item.

# WITH THE COLLECTORS

## Nipper Survives in Camden, New Jersey

COMPILED BY DOROTHY A. SCHECTER FROM INFORMATION CONTRIBUTED BY WILLIAM M. BOYD, TOM CANGIALOSI, FRANK KRANZ, AND JOHN USCINOWSKI

It seems that every few years another chapter is added to the saga of Nipper — RCA's famous dog and certainly one of the best known trademarks in the world. The latest chapter covers the preservation of the historic Nipper Building #17 in Camden, New Jersey. The tower of this building, as shown in Figure 1, is adorned with stained glass panels portraying Nipper listening to a gramophone.

Readers will remember that the November 1994 issue of A.R.C. featured Nipper on the cover and an article by Chris Russo. The article traces the history of the listening canine from a 1900 painting, entitled "His Master's Voice," by Englishman Francis Barraud and shown in Figure 2, all the way to Nipper's "home" atop the tower in Camden.

Having purchased the rights to the painting in the early 1900s, the Gramophone Co., Ltd., began using it in advertising. Later, Nipper became truly world-renowned when the Victor Talking Machine Co. of Camden acquired the rights to this trademark and used it on advertisements and products.

A subsequent A.R.C. article in April 1996 by Oliver Berliner clarifies some of Russo's points. Berliner reports that his grandfather was the first to use the Nipper trademark in 1900. Berliner was a large shareholder in the Gramophone Company, as well as in Victor and Deutsche Grammophon. According to Berliner, the Victor Talking Machine Co. (VTMC) of Camden secured the U.S. rights to the "His Master's Voice" trademark only *after* acquiring the assets, including patents, of the Berliner Gramophone Co.

RCA became Nipper's new master in 1929, after which he appeared on RCA consumer products for decades. GE purchased RCA in 1986, and later sold the consumer electronic side of the business to Thomson, SA, of France. Nipper remained a trademark for RCA consumer products. However, the Camden facility was primarily engaged in defense electronics, and ownership of those activities went to Martin Marietta.

Of course, Nipper's image traveled to other towns too. Since our November 1995 issue reporting on Nipper in Albany, New York, news releases sent



Figure 1. A closeup of the RCA Building tower showing one of the four stained glass portraits of Nipper. (Photo courtesy of Chris Russo.)



Figure 2. Photo of the original painting of "His Master's Voice" by Francis Barraud with the disk-type phonograph. (Photo courtesy of Dave Crocker)



by John Uscinowski and Alton DuBois indicate that the giant Nipper with the flashing ear will also continue to reign over Albany, as shown in Figure 3.

In Camden, the former RCA buildings have lived on in steadily declining condition. They have long been considered a hindrance to development along the waterfront area thought to be Camden's primary hope of rebirth.

Demolition has been inevitable for some time, and, in fact, three RCA buildings were demolished in 1995. On June 15, 1997, two more were imploded, as reported in the *Philadelphia Inquirer* article reprinted on the following pages and shown in Figure 4. Figure 5 shows those buildings intact, before their demise.

The demolition experts have been advancing on the real heart of the RCA complex — the 6-story Nipper Building and its tower with stained-glass panels. However, all is not lost. Preservation New Jersey has placed the building on a list of endangered historical sites, and it is also eligi-

ble for listing on the National Register. Plans for its preservation appear to be firm, and radio buffs can breathe a sigh of relief — Nipper lives on! And it seems that no matter what his fate, Nipper's classic image almost always remains as he is portrayed in the original Barraud painting.

#### References:

- The Courier-Post*, South Jersey, June 16, 1997.  
*The Philadelphia Inquirer*, South Jersey Edition, June 16, 1997.  
*The Record*, Troy, New York, September 19, 1997.  
*The Star-Ledger*, April 7, 1997.

(Dorothy A. Schecter, c/o A.R.C., Box 2, Carlisle, MA 01741; William M. Boyd, 74 Atsion Ct., Medford, NJ 08055; Tom Cangialosi, 60 Bryce Canyon Rd., Howell, NJ 07731; Frank Kranz, 100 Osage Ave., Somerdale, NJ 08083-1136; John Uscinowski, RR1, Box 379, Greenwich, NY 12834-9591)

## Nipper of Albany gets a "New Leash on Life"

In the March 1995 issue of A.R.C. John Uscinowski and Alton DuBois wrote about the 25½-foot tall, 4-ton Nipper that has overlooked Albany, New York, from atop the RTA building for more than 40 years. RTA used to distribute RCA's music products and erected the Nipper statue in 1954.

A landmark to travelers even miles away and the largest known replica of the RCA logo, Nipper of Albany cocks his ear to the sky, not a gramophone. To pilots of passing airplanes, the warning light on Nipper's ear is a well-known beacon.

In a September 19, 1997, article in *The Record*, of Troy, New York, Tom Murnane reports that, like all such monuments, Nipper of Albany has become an endangered species. When Michael Arnoff recently purchased the RTA building, a public outcry expressed the fear that Nipper would disappear from his perch.

However, Arnoff, president of Arnoff Moving and Storage, has pledged to restore Nipper at company expense as part of the building renovation. So, Nipper lives on in Albany as well as in Camden!

### NOT EVERYONE SEES THE POINT

In the same issue of *The Record*, Terry O'Brien's tongue-in-cheek article, entitled "Nipper Nonsense," calls Nipper an "oversized mutt" whose importance in Albany seems to have acquired Washington Monument status. He bemoans the fact that Athens has the Acropolis, Egypt, the pyramids, New York City, the Statue of Liberty — but Albany has this dog!

O'Brien envisions Nipper movies being made. Since this "four-ton piece of dog do-do" already occupies the top of a tall building, why not *Nipper Meets Godzilla*? Or *Nipper Meets Flipper*, *Free Nipper 3*, and *101 Nippers*? O'Brien even suggests tattooing Nipper's entire body with corporate logos! He, of course, is opposed to taxpayers' money being used to restore the lowly cur.

Obviously, Mr. O'Brien does not have the soul of a radio collector/historian.



Figure 3. Nipper, atop the RTA Building at 911 Broadway, overlooks Albany, New York. (Photo courtesy of Alton A. DuBois, Jr.)

# Old RCA Buildings Fall Without a Hitch

BY EWART ROUSE

Reprinted with the permission of the "Philadelphia Inquirer," South Jersey Edition, June 16, 1997.

CAMDEN — She was an old hand at razing buildings, but Anna Chong admittedly was nervous yesterday as she prepared to begin the countdown to implode two former RCA buildings along this city's waterfront.

"This is no piece of cake," said Chong, president of Engineered Demolition Inc.

She explained that the buildings, which were attached, presented a special challenge: One — eight stories high and comprising 272,000 square feet — had steel columns.

The steel columns had come as a surprise. Her company, which is based in Minneapolis, had expected all-concrete columns when it bid for the job.

dent Pat Jones quipped above the "ooing" sounds, and the exclamations of "Wow!" that erupted among some 100 "VIP" spectators aboard a ferry boat on the Delaware River.

Minutes later, the dust cleared, and a pile of rubble lay where the two buildings — monuments to a time when Camden was the industrial engine that drove South Jersey's economy — had stood.

"I see our building is still standing," commented Joseph Diemer, referring to the 11-story One Port Center. Diemer was one of the ferry boat spectators and is a spokesman for the Delaware River Port Authority. "So is the Nipper tower."

The landmark, 6-story Nipper building is one of



Figure 4. Two RCA buildings along Camden's waterfront are demolished in a few seconds at 8 A.M. on

"When you combine steel with concrete, it becomes a much more difficult shot logistically," she said. "We had to work around them."

Her crew had spent the last several days inserting regular commercial dynamite into the concrete columns, and — unable to get inside the steel — wrapping more powerful linear-shaped charges around the steel columns.

In the worst-case scenario, the dynamite, going off a fraction of a second before the linear charges, could blast the charges off the steel columns. When the dust cleared, the steel columns could still be standing.

It didn't happen.

At 8 a.m., on schedule, an intense series of booms went off as 1,000 pounds of dynamite and 68 sticks of charges exploded. Sections of the buildings caved in and a huge cloud of dust enveloped the site.

"Is that a big boom or what!" Barrington resi-

dent Pat Jones quipped above the "ooing" sounds, and the exclamations of "Wow!" that erupted among some 100 "VIP" spectators aboard a ferry boat on the Delaware River.

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The landmark, 6-story Nipper building is one of

two structures that remain from the more than 20 buildings that had composed the former RCA complex.

Plans call for refurbishing the vacant Nipper building, built in 1916 by the Victor Talking Machine Co., and named for the stained-glass panels, depicting Nipper the dog listening to a gramophone, that adorn its tower.

Victor, founded in 1894, was acquired by RCA in 1929. RCA was acquired by General Electric in 1986. The company is now part of Lockheed Martin Corp.

The two buildings that came down yesterday were on the waterfront between the Ben Franklin Bridge and the New Jersey State Aquarium.

Built between 1910 and 1924, they served a variety of purposes over the years — initially for production of the raw materials that went into pressing the famous Victor "Black Label" and "Red Seal" records, and later for production of



radios, electronic equipment for the U.S. military, television, and for radio and signal transmission systems.

General Electric vacated them in 1993, moving to a new \$80 million aerospace campus nearby.

Vandalized and an eyesore to many, the 50-acre site was considered an impediment to development along the prime waterfront area by those involved in that development.

The removal of that "impediment" took a mere 7.5 seconds.

Spectators, many of them in speed and sailboats on the water and at Penn's Landing on Philadelphia's side of the river, heard continuous booming sounds, but Chong's trained ears heard something else.

"We hear two distinct sounds," she said. "The dynamite is a bit muffled, distant sound, whereas

the linear charges... instead of a boom, it's a more crackling noise."

That crackling sound told her that the worst-case scenario had not played out.

At a press conference aboard the "VIP" ferryboat, city and state officials put a positive spin on the reshaping of the city's skyline.

Gualberto Medina, commissioner of the state Department of Commerce, called it part of "the rebirth of Camden." Glenn Paulsen, vice chairman of the DRPA said it was "just the beginning of good things to happen on the waterfront in Camden."

The DRPA, which has allocated \$4 million to prepare the site for development, will supervise removal of the rubble.

And a relieved Anna Chong can now go home.

"The best part of our job is that we don't have to stay and clean up the mess," she said.



June 15, 1997. But the Nipper Tower still stands! (Photo Courtesy of "The Philadelphia Inquirer.")



Figure 5. This photo ran in our November 1994 A.R.C. with the caption: "These other 'old' GE/RCA/VTMC buildings in Camden are likely targets for demolition..." As reported in the Rouse article, two of them bit the dust in 1997. Three others were imploded in 1995. (Photo courtesy of Chris Russo.)

# VINTAGE SPEAKERS

## The Master-Baldwin Clarophone

BY DAVE CROCKER

*In either the "Photo Review" or his articles, Dave Crocker frequently treats our readers to a glimpse of unique horn speakers from his collection. The Baldwin "Throtype" speaker featured in this article is another fine example of Dave's continual search for the ultimate in horn speakers. (Editor)*

The Nathaniel Baldwin Company in Salt Lake City, Utah, produced high quality reproducers and headsets used throughout World War I — a fact that Baldwin mentioned often in its advertisements. In fact, the U. S. commandeered the Baldwin factory during the war to assure that its equipment would be available to war vessels and military and government stations.

The trade name of the horn, shown in Figure 1, is *The Master-Baldwin "Throtype" Clarophone*. Interestingly enough, the design of the neck of the horn is supposed to be shaped almost exactly like that of Caruso's throat. Its mouth is rectangular, which, according to a 1922 advertisement, follows the principle known and used by opera singers to get full resonance from the roof of the mouth.

What looks like a common wooden console horn for internal use is really Nathaniel Baldwin's

first attempt at an external home speaker. The rather crude construction is simplicity itself. The bottom edge of the 11" x 7" wooden horn acts as the front support, while the formed tin neck curves into its driver, which is the backrest. Figure 2 shows a close-up of the original Baldwin decal at the base of the horn.

The horn is driven by a single Baldwin Radio Co. Type "C" headset piece with a special adapter to the speaker neck. This 2000-ohm driver uses a mica disk for best reproduction.

The "Throtype" Clarophone sold for \$22.50 complete, returnable after a 10-day trial, if the customer was not completely satisfied. The claim was that the simplicity of the design allowed large-scale production; hence, the low price.

Indications are that the earliest offerings had a natural wood-finished front wooden bell with gold lettering for the company name and model. Later versions, like the one pictured in Figure 1, were painted all black, with a solid gold background decal.

This milestone speaker is easy to miss at antique radio flea markets, and is often mistaken for an ordinary internal horn frame. Look carefully next time — you might be rewarded!

*(Dave Crocker, 4B Beechwood Point Dr., Mashpee, MA 02649)*

*Dave Crocker is on the A.R.C. staff and has been actively collecting radios since 1970. A good part of these years has been spent researching and collecting radios manufactured by the Crosley Company.*



Figure 1. The front of this unusual horn speaker was supposedly designed to resemble Enrico Caruso's famous throat.

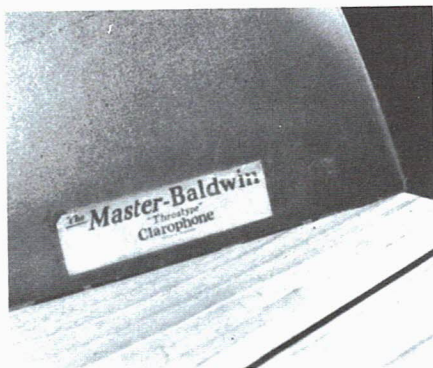


Figure 2. The Master-Baldwin decal at the base of the horn is still in excellent condition.



# WITH THE COLLECTORS

## General Electric Model K-52

BY RICHARD ARNOLD

Shown in Figure 1 is the General Electric Model K-52, a small cathedral measuring only 14 x 11<sup>3</sup>/<sub>4</sub> x 7<sup>1</sup>/<sub>2</sub> inches. This radio, marketed through RCA in 1933, has a beautiful cabinet design and is highly desirable to cathedral collectors. It has the same chassis as the RCA Models 110, 111 and 115.

The K-52 was one of some 3,806,000 broadcast receivers sold in 1933. Even though this was a Depression year, these radios sold at an average unit price of \$61, according to *Radio Today*, January 1939, and the *Broadcasting Year Book*, 1946.

The G.E. K-52 is a 5-tube superheterodyne with a dynamic loudspeaker, continuously variable tone control and a single heater type pentode output tube producing a scant 1.75 watts. The circuit consists of an RF stage using a Type 58; a Type 2A7 oscillator and 1st detector; a Type 57 2nd detector and audio stage; a Type 2A5 power amplifier; and a Type 80 full-wave rectifier. The tuning condensers are located under the chassis, as shown in a rear view of the set in Figure 2.

This set is all original. The knobs are of the flower petal design and are somewhat hard to locate.

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



### References:

*Broadcasting Year Book*, 1946.

MacLaurin, Rupert. *Invention and Innovation in the Radio Industry*. New York: The MacMillan Co., 1949.

*Radio Today*, January 1939.

*RCA Victor Service Data*, 1933.

(Richard Arnold, Box 275, Lone Grove, OK 73443)

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



Figure 1. The 1933 General Electric Model K-52 cathedral, which bears a striking resemblance to RCA Models 110, 120, and R-37.

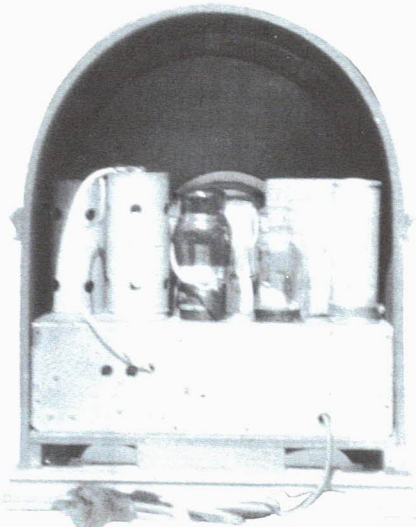


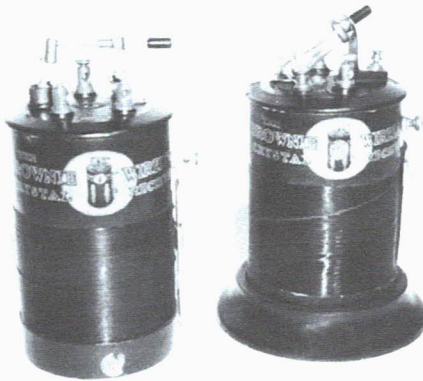
Figure 2. Rear view of the GE K-52.



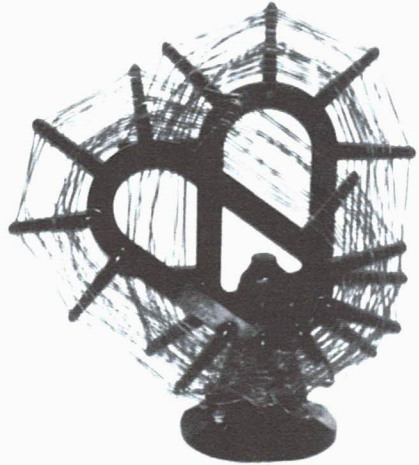
# PHOTO REVIEW



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.



**J.W.B. WIRELESS CRYSTAL SETS** — These "Brownie" crystal sets are very similar, yet have two significant differences. On the left is a set with an open detector, mounted on an ordinary base: BBC/PMG stamp, GPO No. 4155 - 1923. On the right is a glass-enclosed detector with a BBC/EBM stamp, and a rare ebonite base, of 1924 vintage. (*Erwin Macho - Vienna, Austria*)



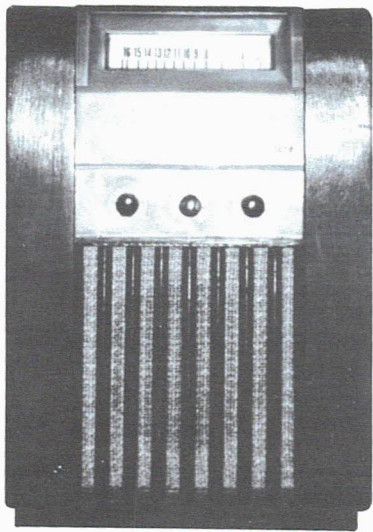
**TUN-A-LOOP** — This antenna, with its Bakelite stand, is just 17" tall. The front portion swings 180° from side to side, and the whole thing revolves 360° on its base. It was made by English Whitman Products, New York. (*Ron Boucher - Goffstown, NH*)

**CRESTLINE MODEL 6T-220** — The unusual feature of this six-transistor radio is that it can be inserted into the upper right-hand corner of the speaker cabinet to be used as a table radio or it can be removed and used as a portable. (*Tim Twombly - Cape May, NJ*)

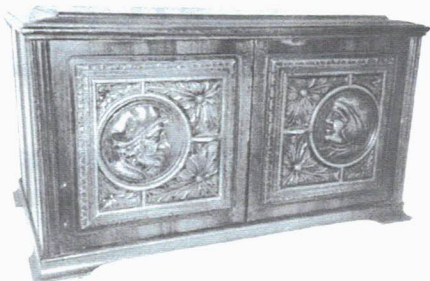




## PHOTO REVIEW



**POWERTONE MODEL UNKNOWN** — The model shown here is a Powertone, according to the etched name above the right-hand knob. However, Bunis' 3rd edition on page 149 shows this set (12" wide by 17½" high by 7" deep) as a 1946 Musicaire Model 576-1-6A. This six-tube AC/DC set uses tube types 12SA7, 12SK7 (2), 12SQ7, 35L6 and 35Z5. (George Hausske — Wheaton, IL)



**GENERAL ELECTRIC MODEL GE K-51** — The ornate "carved" doors on this 1932 wood table model open and slide into the ends of the cabinet. The radio features broadcast plus police band. (Don Howland — Spokane, WA)

**AMRAD TYPE 3500-U RECEIVER** — This double-decker was one of the last of the multi-level combination receivers made by the American Radio and Research Corp. of Medford Hillside, Mass. The set consists of six separate units. From left to right, on the top row, the units consist of: (1) Type 2771 VT detector and (2) Type 2766 VT 1-stage amplifiers. The panels in the bottom row, left to right consist of: (1) Type 3290 RF 1-stage amplifier, (1) Type 2753 variocoupler and (1) secondary. It is a 4-tube receiver, each tube section having a screen cover. The fourth screen cover is on the left side of the cabinet panel of the Type 3290 RF amplifier. The 3500-U has a total of seven metal nameplates. (Dave Crocker — Mashpee, MA)



# RESTORATION TOPICS

## Capacitance Measurements

BY BEN MILLER

*The following article offers some simple solutions to the problems of measuring the value of small capacitors. Extending the accuracy and usefulness of a capacitor tester should be a great help to any collector. (Editor)*

Many hobbyists use capacitor testers such as the Heath IT-28, or similar units from Knight, Eico, and others. These are excellent instruments for service and restoration work, and are more than accurate enough when measuring larger values of capacitance.

However, the accuracy of these instruments falls off rapidly when measuring values lower than 500 pF. Also, the smallest capacitance value shown on the tester's calibrated dial is typically 10 pF, making it impossible to measure values in the 1-10 pF range. As a result, many small micas, ceramic discs, trimmers and variable capacitors can not be measured. Here are some simple ways to resolve these problems at almost no cost, and with no critical components or internal modification of the tester!

### THE RESIDUAL CAPACITANCE PROBLEM

The primary cause of inaccuracy is residual capacitance within the tester itself, which is typically between 2 and 5 pF. You can see this if you null the instrument with no external capacitor connected. You should obtain a null, but well below the minimum capacitance dial mark. (If the null occurs near or above the minimum mark, then there is something wrong with the instrument.) This residual capacitance adds to the capacitance being measured, and can cause inaccuracies of up to 50 percent when measuring a 10 pF capacitor!

Fortunately, there is an easy solution that not only eliminates the effects of residual capacitance, but also extends the low end of the range down to 0 pF. Simply install a small adjustable trimmer capacitor (approximately 2-15 pF) across the test terminals, and set the tester to its lowest range. Next, set the capacitance dial to the minimum capacitance value shown on the tester's dial. (For this example, we will assume a minimum value of 10 pF.) Use a nonmetallic tool to adjust the trimmer for a null on the magic eye. This increases the residual capacitance to a value of 10 pF, which then becomes the "0 pF" mark.

All measurements will now read on the scale, but 10 pF higher than actual value. For example, if you connect a 1 pF capacitor, the dial will read



Figure 1. Trimmer adapter (left) and clip assemblies (right).

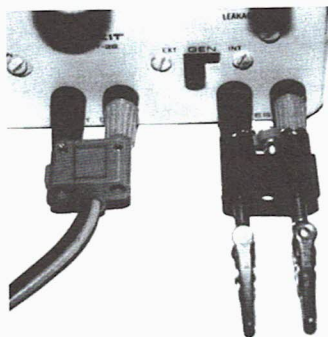


Figure 2. Adapters installed on tester. Note the external generator cable on the left and the trimmer adapter on the right.

11 pF. Likewise, a 20 pF capacitor will read 30 pF. Just remember to subtract 10 pF from the reading to obtain the actual value! (If the minimum on your tester is different from 10 pF, use an appropriate value trimmer and subtract your minimum scale value from the readings.) Capacitors above 500 pF can be measured either with or without the trimmer in place, and no adjustment of the readings is necessary, as the effect of residual capacitance will be negligible.

Figure 1 (left) shows one method of assembling the trimmer on a dual banana plug. The trimmer is soldered to two pieces of solid wire, which are inserted into the holes in the plugs. This adapter can be easily installed and removed as needed. Be careful not to exceed the voltage rating of the trimmer if you intend to make high voltage leakage measurements with it in place.



## CONNECTIONS

The best way to connect the capacitor under test is with alligator clips directly soldered to banana plugs, shown in Figure 1, right. These clips came with many of the testers originally. They can be inserted into the input binding posts (or the trimmer adapter described above), and will not affect the measurement.

Never use test leads to connect small capacitors, as the leads will introduce additional capacitance, which varies with the position and spacing of the wires. If you can't connect to both alligator clips directly, use a short (3" maximum) piece of wire with a mini-alligator clip on one end to extend one of the connections. Be sure the wire is routed away from any metal or terminals when making the readings.

## IMPROVED NULL INDICATIONS

There is one other improvement that you can make when measuring small capacitance values. The Heath manual mentions it, and perhaps others do also. If your capacitor tester has provisions for an external generator, connect an audio generator and supply a frequency of around 10 kHz.

This produces a much sharper null and more precise reading than does the internal 60 Hz signal. The exact frequency is not critical and only affects the sharpness of the null, not the actual value of the reading.

Figure 2 shows the complete setup on the Heath tester. Using these methods, you will be able to confidently measure capacitance values down to 1 pF, and greatly extend the usefulness and accuracy of your capacitor tester.

## References:

*Capacitor Checker Model IT-28 Manual.* Heath Company, 1969.

Turner, Rufus P. *Bridges and Other Null Devices.* First edition. Howard W. Sams, 1967.

(Ben Miller, 1356 S. Sixth Ave., Des Plaines, IL 60018)

*Ben Miller, an electrical engineering consultant, collects and restores all types of radios and electronic equipment, including table radios, home-brew battery and crystal sets, and communications receivers. He also restores test equipment, with a particular emphasis on Heathkit.*

# The "Whatzit" — A Mystery Machine

BY PHIL HARRIS

*The "whatzit" described in this article was displayed at Radiofest '96 where your editor had an opportunity to view it. The device appears to be a piece of "home brew" sculpture. However, Phil Harris seeks opinions regarding its possible origin and purpose. (Editor)*

Figure 1 provides an overall view of the "whatzit." It is composed of four wooden boxes. Two of the boxes have spark coils inside. One of the boxes serves as a junction box.

The boxes are interconnected with numerous bus bars. Some are brazing rods. Two glass insulators are mounted on top of the center box. A potentiometer, housed in a brass can, is mounted on top of the box on the right side of the layout.

A close up view of the left-hand box is shown in Figure 2. The two top-mounted transformers are identified as a Remler tuned stage transformer Type 610 and a Remler intermediate transformer Type 600. Note the copper-banded test tube in the right side of this figure.

This unusual assemblage was found in an old dump frequented by bottle collectors. If you can shed any light on this item, please contact Phil Harris via A.R.C.

(Phil Harris, 45 Windsor on the Marsh, Savannah, GA 31419)

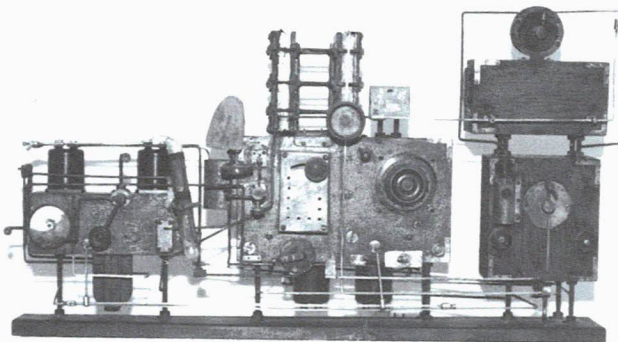


Figure 1. An overall front view of the "whatzit."

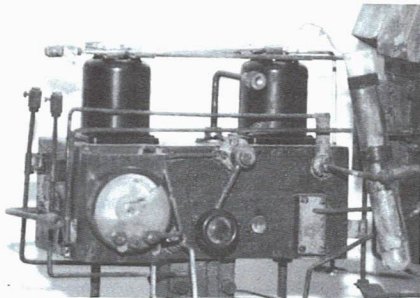


Figure 2. A close-up view of the left-hand box.



# AUCTION REPORT

## Eldridge Auction

### Willimantic, Connecticut — January 17, 1998

CONTRIBUTED BY RAY CHASE

On Saturday, January 17, the E.S. Eldridge Auction House of Willimantic, Connecticut, conducted a sale of radios and related material. There were about 220 lots with over 125 coming from the estate of a Mr. Bristol of nearby Coventry, Connecticut. The merchandise was well laid out for inspection. Although some good parts buys were offered, there were no individual items bringing high bids.

The auctioneer hesitated to call it a collection since many of the radios were not in good shape, and it included a lot of home brews. Other consigned radios were in better condition and were mostly later model plastic and wood table models. The auctioneer held to a minimum \$10 opening bid and put some items together in lots when this amount was not realized. Towards the end, whole batches were sold together in large lots, and I was not able to record everything.

Although Connecticut had had a severe ice storm in the preceding days, Saturday's weather was excellent and driving was not impeded at all. The auction started at 10 A.M. and proceeded very briskly, ending at just before noon. This auction house charged a 6 percent buyer's premium which must be added to the listed prices. All half-dollar amounts have been rounded down.

e=excellent, vg=very good, g=good, f=fair, p=poor, unk=unknown, N.I.B=new in box, WT=with tubes, NT=no tubes, wk=works, PS=power supply

Airchief table, wood, (2) knobs, g ..... \$35  
Airline table, wood, (2) knobs, f ..... 10  
Amplifier chassis, unk, large chrome plated, fixed tuner (?), f ..... 50

**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.



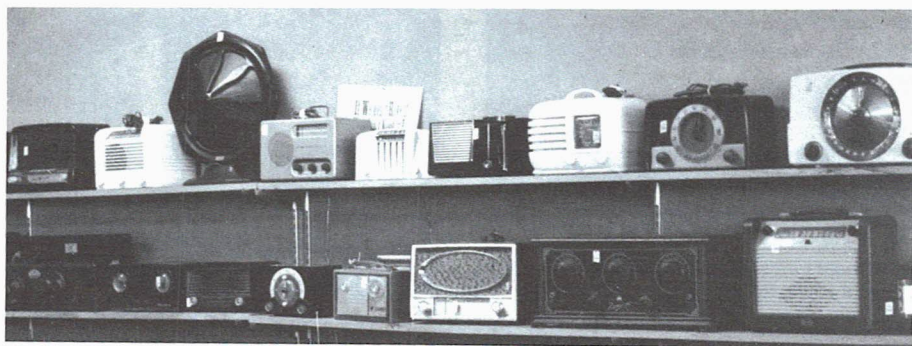
*Auctions are a good source for additions to your bookshelf.*

Atwater Kent 20 ,small box, plus (2) home brews.. 35  
Atwater Kent 25, WT ..... 22  
Atwater Kent-55, in hi-boy console, some rust on chassis, cabinet vg ..... 95  
Atwater Kent 55 coffin ..... 10  
Atwater Kent and Stromberg-Carlson low consoles, p 10  
Atwater Kent E speaker, (3), (1) g ..... 15, 22, 45  
Atwater Kent electro-dynamic speaker, g ..... 32  
Atwater Kent horn ..... 55  
Atwater Kent small box battery set, single dial, WT 32  
Audio power amp, in perforated metal case, unk .. 25  
Horn speaker, bell and neck only ..... 10



*This Zenith 8A02 black-dial, Deco console sold for \$140.*

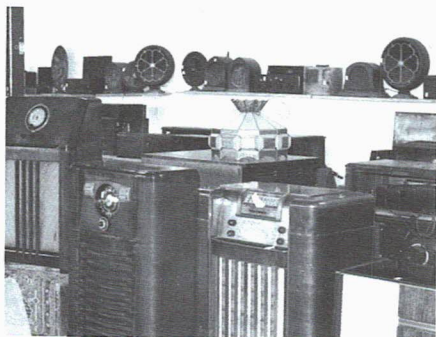




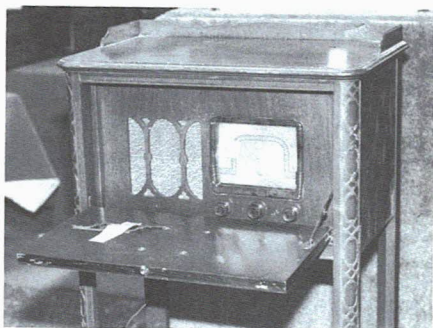
*An assortment of cone speakers, table and plastic radios, and battery sets.*

Books, one old by Moyer and Wostrell, box ...	10	Fada small plastic portable, flip-up lid, black..	22
Brandes speaker, plus one unk, g.....	50	Federal Orthosonic battery set,(2), f, p ....	65, 15
Bristol super C table speakers, (2), box shaped, wood, g .....	40	Ferguson 12, NT .....	22
Browning Drake 129, f.....	10	Freed-Eisemann 3 dialer, NT, g .....	12
Browning Drake, chassis only, and another unidentified chassis, f .....	20	Freed-Eisemann 3 dialer, WT, g .....	27
Browning Drake, w/(6) tubes, g .....	22	Freshman Masterpiece 3-dialer, WT, g .....	30
Car radio, in dash mount, "wonder bar," p .....	10	Garod 3 dialer on legs,w/AC PS built in, p .....	20
Catalog/professional TV equipment, small.....	10	GE table, plastic, white and gold, g .....	35
Champion transistor radio, w/separate small speaker, light green, N.I.B. ....	17	GE wall mounting rack for tube storage with bins ..	25
Crosley 5-50 and home brew, NT .....	15	General Radio audio output power meter, wood, g	10
Crosley 51SD, NT, f .....	55	General Radio precision capacitor, wood, w/ wood carrying box, vg .....	30
Crosley and Sonora speakers, (2), g .....	42	General Radio set of wavemeter coils, in box, missing wavemeter .....	10
Crosley Dashboard, brown plastic, (2) knobs, odd dial, f .....	27	General Radio wavemeter, w/crystal detector, 1923, wood case, g .....	20
Crosley Showbox, (2), p .....	20, 10	German w/Fisher chassis, bar/radio/phono/ fireplace (fake), w/all glassware, wk .....	170
Crosley Super Trirdyn, only (1) tube, g .....	32	Graybar 310, WT .....	10
Crosley table, white plastic, Deco, g .....	35	Grebe Synchrophase, chassis only, WT .....	25
Detrola, grey metal case, (3) knobs, g .....	40	Grebe Synchrophase, WT, dirty but g .....	80
DeWald amplifier, not old .....	27	Grundig radio/phono, floor, 1960's, modern ...	10
Doll house radios, (3) .....	10	Hallicrofter table TV, w/channel 1, wood, vg ..	75
DuMont console TV, g .....	20	Heathkit radio .....	10
Earphones, box .....	10	Hi-fi speakers, (3), (1) large, (2) small, all in cabinets .....	10
Emerson clock radio, small crack.....	10	Home brew 3 dialer, g .....	25
Emerson plastic, (2) knobs, brown, g .....	15	Home brew 3 dialer, w/Erla balloon coils, nice cabinet .....	40
Emerson table, small, wood, needs work.....	35	Home brews, (2) .....	37
Emerson, brown plastic, (2), (1) cracked and no knobs, (1) OK .....	20	Home brew, WT, g .....	15
Erla 3 dialer, NT, balloon coils, g .....	75	Home brews, (4) .....	65
Eveready AC set, NT, f .....	10		
Fada battery set, WT, chassis rust .....	12		

*(Continued on following page)*



*An assortment of consoles against a backdrop of cone speakers and table models.*



*This Stromberg-Carlson radio, built into a side table, sold for \$120.*

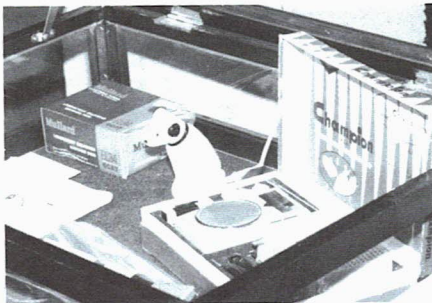


The future looks bright for radio collectors, as Auctioneer Ernest Eldridge introduces our avocation to a young helper.

(Eldridge Auction, continued)

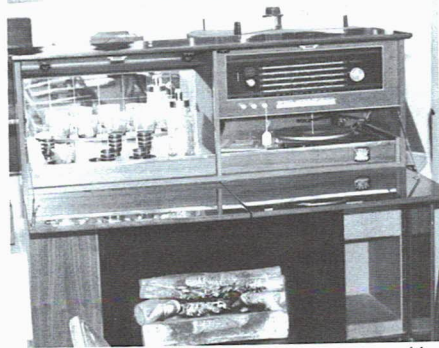
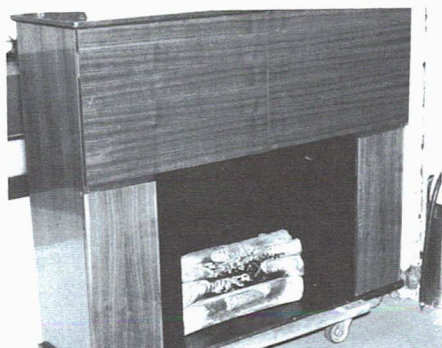
**Industrial Engineering and Electrical World**  
magazines, (25-30) .....

Jewel set analyzer, f.....	17
King Quality 3 dialer, NT, f .....	10
Kolster table, AC, (3) knobs, WT, g.....	22
Loose coupler, windings loose, p .....	10
Majestic table, white plastic, Deco, nice.....	42
Motorola plastic, (2 ) knobs, 50's .....	10
Motorola radio/phono/10" TV .....	27
Music Master horn, wooden bell in several pieces, repairable .....	40
National 5" or 6" table TV, wood case, f.....	25
Nipper salt shaker, (1) .....	17
Packard Bell, black plastic, 50's, g .....	10
Peerless cathedral speakers, (3), g-p .....	20
Philco 38-7 slant-front console, vg .....	110
Philco 41-608 console, w/front swing-out phono, g	10
Philco coffin, g .....	10
Philco small semi-cathedral, (2) knobs, g .....	37
Philco table, wood, (4) knobs, g .....	22
Philco table, wood, push buttons, f .....	10
Pilot FM tuner, wood .....	10
Power transformers, (2), tested g.....	17
<b>Radio Mfg.s of the 1920s, Vols. 1 and 3, Alan Douglas, signed, hard cover, e .....</b>	<b>20</b>
Ramstone 3 dialer, uncommon piece, vg .....	100
RCA drum style speaker, f .....	22
RCA drum style speaker, g .....	27
RCA early car radio, can be portable .....	22
RCA K80 console, (4 ) knobs/push buttons, f	22
RCA Radiola 60, WT, f .....	85
RCA Radiola III, w/paper, NT, g .....	85
RCA Radiola VIII, (2), vp .....	20
RCA Radiola VIII, WT, p .....	35



The miscellanea show case, including a Mullard EL34 tube carton, a Nipper salt shaker and a Champion transistor radio, new in box.

RCA table, dial on top of case, black and gold plastic, Deco, very nice .....	40
RCA table, white plastic, (3) knobs, vg .....	35
RCA, Deco, (2) knobs, dirty .....	10
Realistic tube tester .....	10
Realistic tuner/amp .....	25
Rider Vols. I and II .....	35
Sentinel table, (3) knobs, wood, g .....	20
Silver-Marshall Shielded 6, NT or cabinet, f.....	37
Silvertone large, stepped, tombstone farm radio, (5) knobs, f .....	60
Silvertone large, stepped, tombstone, farmradio, (5) knobs, g .....	40
Silvertone table, wood, w/tuning eye, f.....	40
Simpson set analyzer, w/(2) meters .....	30
Simpson VOM, no leads .....	12
Sonora cone speaker, g .....	27
Sparton radio/phono, in chest of drawers, 40's or 50's, strange dial, furniture needs work	10
Sparton table, wood, (4) knobs, vg .....	75
Speak-O-Phone record cutter in suitcase carrier, records on aluminum discs (2), g.	27
Speakers, (3), Deco style for battery sets, (1) RCA and (2) Crosleys .....	65
Standard 3 dialer .....	30
Steinitz AC set, wood, WT, f .....	10
Stewart-Warner 3 dialer, WT, g.....	35
Stewart-Warner coffin .....	10
Stewart-Warner shortwave converter, plus 50's table radio .....	37
Stromberg-Carlson audio amp .....	30



This elaborate German piece with Fisher chassis, shown closed (left) and open (right), is a working radio/phonograph with glassware, and even a fake fireplace. What more could you want for \$170?



Stromberg-Carlson early 3 dialer, WT, g.....	100
Stromberg-Carlson large cone speaker, floor, (1) of (3) legs broken, cone badly torn .....	30
Stromberg-Carlson, built into small side table, some fretwork, one leg needs help, nice ..	20
Superior tube tester, wood case, g .....	25
Supreme 3" oscilloscope .....	10
Tubes: Mullard, miniatures, hi-fi, boxed, (2) ...	20
Turner chrome plated mike, small, vg .....	35
Tyerman 70, p .....	25
Valley Electric (St Louis made) battery set, w/(7) tubes, good labels, single dial, vg .....	85
Victrola 215, side-by-side floor standing, needs refinishing .....	35
Victrola, table, (2) .....	120, 140

Wappler early medical quackery piece in nice wood case, vg .....	100
Willard A eliminators, (2) .....	40
Willard tester, w/(3) meters, wood case, and Radiola 17, WT, minus hood and (1) knob 22	
Zenith 8A02 black dial (non-shutter) console, Deco, vg	140
Zenith table, plastic, large dial, g .....	10
Zenith tombstone, (4) knobs, (1) missing, g ...	95

Photos by Ray Chase.

(Ernest S. Eldridge; Auctioneer, 146 Windham Ctr. Rd., Windham, CT 06280; Auction Gallery, South Park St., Willimantic, CT 06280. (860) 450-0525; Ray Chase, 1350 Marlborough Ave., Plainfield, NJ 07060)

## Humphries Antique Radio Auction Sweet Springs, Missouri — January 18, 1998

CONTRIBUTED BY RON RAMIREZ

Working in the St. Louis area during January 1998 gave me an opportunity to attend the Humphries Antique Radio Auction on Sunday, January 18, 1998, at the La Rue Auction Centre in Sweet Springs, Missouri — something I would have missed otherwise. The threat of snow and ice did not deter over 100 persons from attending this large auction. Many had travelled from across Missouri and surrounding states, and also from as far away as Wisconsin.

Over 370 radios sold in a 6-hour auction, which also included several lots of tubes and some radio books. Most of the radios were in at least very good condition, and many of them had been restored or were in working order.

The unquestionable highlight of the sale was a Zenith 15U270 console, which earned a round of applause after it brought a high bid of \$1,900. Other highlights included a Zenith 6S249 chairside which sold for \$700; a Crosley Playtime grandfather clock radio at \$575; a Zenith 6S254 console at \$310; a Philco 551 colonial clock with incorrect finials at \$275; an Atwater Kent 60C in a Kiel table at \$230; and a Crosley Pup at \$200. A listing of most of the items sold is below. Sets with no model number have been omitted from this list.

e=excellent, vg=very good, g=good, f=fair, p=poor, unk=unknown, WT=with tubes, NT=no tubes, wk=works, nwk=not working

Abbotwares Z477 horse radio, wk, small hole underneath horse, vg-e .....	\$130
Ace Type V, untested, g-vg .....	110
Admiral 5R38N, wk, g-vg .....	8
Admiral 6Q12, wk, vg .....	20
Admiral 6T01, Bakelite, vg .....	13
Admiral 15D5, wk, crack in case .....	33
Air Castle 106B, wk, vg .....	50
Airline 25GSE-1555A, vg .....	13
Airline 62-425, wk, vg .....	45
Airline 62-702, missing 1 knob, wk, g-vg .....	15
Airline 74BR-1507A, wk, vg .....	110
Airline 84KR-2510A end table radio, vg .....	45
Airline 94BR-1525A, wk, vg .....	40
Airline 94GCB-1064A, red, cracked case, wk, g....	10

Airline 94KR-1520B, wk, g .....	20
Americana 60, transistor radio, w/box .....	6
Americana Spice Chest radio, wk, vg-e .....	35
Amoco gas pump novelty transistor radio .....	18
Apex 36, w/cone speaker, wk, needs AC switch, g	60
Apex Classic 47, chassis only .....	2
Archer Road Patrol bicycle transistor radio, vg .....	10
Arvin 61R48 transistor radio .....	6
Arvin 61R58 transistor radio .....	8
Arvin 243T, blue, metal, wk, vg .....	75
Arvin 422, wk, vg .....	40
Arvin 444 ivory metal midget, wk, vg .....	30
Arvin 444 metal midget, wk, vg .....	50
Arvin 451-TL, wk, vg .....	20
Arvin 851T, wk, vg .....	23
Atwater Kent 32, WT, untested, vg .....	50
Atwater Kent 55C console, w/sliding doors, wk, vg	200
Atwater Kent 60C, in Kiel table, wk, vg .....	230
Atwater Kent 225 tombstone, wk, g-vg .....	95
Atwater Kent 435 console, wk, vg .....	140
Atwater Kent magazine ad, 20's .....	3
Avon Skin-So-Soft novelty transistor radio, w/box	20
Belmont 6D111, ivory, wk, vg-e .....	160
Bendix 0526E, wk, dial glass broken, vg .....	25
Bendix 753MX, wk, vg .....	33
Bicentennial statuette w/transistor radio in base,vg	18
Cabin Cruiser ship on stand, novelty transistor radio, wk .....	35
Cadaux 600A transistor radio .....	3
CBS-Columbia L512A, g .....	10
Channel Master 6506 transistor radio, w/box	18
Clarion 158 console, wk, cabinet f-g .....	100
Coca Cola bottle novelty transistor radio, (2) .....	10, 13
Coca Cola bottle novelty transistor radio, w/ manual and box .....	45
Coca Cola vending machine novelty transistor radio, mint in box, e .....	45
Continental TR884 transistor radio, wk .....	8
Coronado 43-8685, wk, vg .....	18
Coronado RA44-8140A, wk, g-vg .....	15
Crosley 10-139 table, green, vg .....	80
Crosley 20AP Fiver table, wood, vg .....	38
Crosley 24AJ, wk, vg .....	30
Crosley 50, WT, untested, g-vg .....	110
Crosley 51, WT and battery, untested, g-vg...	80

(Continued on following page)

(Humphries Auction, continued)

Crosley 63TA Victory set, wk, vg .....	115
Crosley 66T, similar to Victory model, wk, vg	30
Crosley 124 Playtime grandfather clock radio, wk, vg-e	575
Crosley 516, g-vg .....	75
Crosley 517, vg .....	90
Crosley 547, wk, vg .....	45
Crosley 716 tombstone, wk, vg .....	105
Crosley F5RD, wk, vg .....	30
Crosley F5TWE Musical Chef, w/timer, wk, vg .....	95
Crosley Pup, NT, wk, g-vg .....	200
Dahlberg 4130-D1 motel radio, coin-op, crack in top, g... 25	
Dahlberg 4130D Pillow Speaker radio, coin-op mechanism missing, wk, vg .....	120
Delco 3201 tombstone, wk, g-vg .....	45
Delco Freedom Battery novelty transistor radio, vg	18
Delco R-1227, wk, vg .....	28
Delco R-1229 table radio, wk, vg .....	30
Delco R-1230A, wk, vg .....	35
Delco R-1235, wk, vg .....	20
Detrola 571, wk, vg .....	15
Earle 4 cathedral, wk, vg .....	180
Electronic Labs 2701, wk .....	10
Emerson 149, wk, chips in Bakelite case, g... 90	
Emerson 440, Ingraham cabinet (?), wk, vg ..	80
Emerson 503, wk, vg .....	28
Emerson 522, wk, vg .....	25
Emerson 550, g .....	28
Emerson 559A, wk, vg .....	18
Emerson 659, wk but hums, crack on side, f-g	1
Emerson 808 transistor radio, w/case/box ....	30
Emerson L-724, wk, vg .....	40
Emerson P3761 transistor radio, w/box .....	1
Emerson UV5-375, wk, g-vg .....	190
Escutcheons, box .....	28
Fada 155, wk, g-vg .....	85
Fada 740, wk, cabinet repaired, g .....	30
Famsworth ET-065, vg .....	50
Firestone 4-A-25, red plastic, wk, vg .....	23
Firestone 4-A-41(?) table, wk, vg .....	18
Firestone 4-A-61, Cameo, wk, g-vg .....	28
Firestone 4-C-16, wk, vg-e .....	53
Freed-Eisemann NR-9, WT, vg .....	110
Freshman F5 Equaphase console, veneer damage on top, untested, f-g .....	25
Fuji Denki TRB611 transistor radio, white .....	7
G-C dial belts and chart, box .....	35
GE 202, wk, vg .....	15
GE 321, wk, vg .....	13
GE 400, Bakelite, wk, vg .....	18
GE 410, wk, g-vg .....	8
GE 422, wk, vg .....	18
GE 424, wk, vg-e .....	30
GE 429, wk, g-vg .....	23
GE F-63, wk, chip in veneer, vg .....	50
GE F-74, wk, refinished, vg-e .....	45
GE K-63 cathedral, vg .....	230
GE KT-1P2753A Spirit of '76 transistor radio	10
GE LCP-609, vg .....	18
GE P720B, nwk, g-vg .....	3
GE P807J transistor radio, g .....	10
GE P808G transistor radio, white, w/leather case ...	4
GE P875A transistor radio, wk .....	4
GE P930A transistor radio .....	2
Getty gas pump novelty transistor radio .....	15
Gloritone 26 cathedral, wk, vg .....	150
Gloritone 3072 cathedral, wk, vg .....	100
Gloritone 3072 cathedral, wk, wrong grille cloth, vg .....	130
Gramy-Phone 8 novelty transistor radio, vg .....	8
Granco 601U, FM tuner, wk, g-vg .....	13
Graybar 310, similar to Radiola 17/18, wk, vg	65
Grunow 501 table radio, nwk, chrome grille, vg ...	310
Grunow 580 tombstone, vg .....	75
Guild 556 Country Belle wall telephone radio, wk, vg-e .....	20
Guild TK1577K tea kettle radio, wk, vg .....	210
Hallcrafters S-94, no back or bottom panels, g .....	15
Headsets, box .....	18
Heinz ketchup bottle novelty transistor radio .	23
Hopalong Cassidy metal sign, repro .....	5
Howard 260, wk, vg .....	55
Howard 901A, hums, g-vg .....	23
Imperial 8TR25 transistor radio, w/case, g .....	10
Jackson 350 radio/phono console, radio wk, phono nwk, g .....	10
Jackson tube tester .....	8
Jewell 955, wk, vg .....	50
Kadette 66, vg .....	48
Lincoln 1928 novelty transistor radio, in box .	20
Magnavox AL08 transistor radio, w/manual ....	1
Magnavox FM 040, g-vg .....	5
Maguire 6L, red, wk, vg .....	25
Majestic 71 console, vg .....	80
Majestic, Grigsby-Grunow-Hinds horn speaker, wk .....	130
Mickey Mouse novelty transistor radio, N.I.B., e .....	11
Mitchell Lumitone table lamp radio, vg .....	100
Motorola 5A95, g .....	8
Motorola 5P31A, wk, vg .....	18
Motorola 45P1, Pixie, wk, vg .....	120
Motorola 52R, red plastic .....	10
Motorola 53A, wk, vg .....	70
Motorola 62-21, wk, g-vg .....	18
Musicaire YT-777 transistor radio, w/box .....	1
Musicaire 6TE701, wk, vg .....	20
National 60 battery novelty transistor radio, g	16
Panasonic R70, red .....	5
Panasonic R8 transistor radio, vg .....	5
Philco 20 Deluxe cathedral, wk, g-vg .....	220
Philco 20 plain front cathedral, g-vg .....	120
Philco 37-602C, wk, chip in veneer on back, photofinish, vg .....	55
Philco 37-61B cathedral, stripped photofinish, wk, g .....	85
Philco 38-12, wk, vg .....	25
Philco 39-31 console, wrong knobs, wk, vg ...	75
Philco 39-117 table radio, wk, g-vg .....	35
Philco 39-7, wk, vg .....	35
Philco 42-321, wk, vg .....	15
Philco 42-350, wk, vg .....	45
Philco 46-350 rolltop portable, wk, g-vg .....	11
Philco 46-420, wk, vg .....	28
Philco 46-1201 Bing Crosby Special table radio/ phono, radio wk, phono nwk, vg .....	13
Philco 48-460, identical to 46-420, vg .....	35
Philco 48-461, wk, vg .....	25
Philco 49-505, wk, vg .....	33
Philco 49-906, Bakelite, chip in grille, wk, g ...	10
Philco 50-526, wk, g-vg .....	23
Philco 50-925, wk, g-vg .....	18
Philco 50-926, vg .....	15
Philco 52-542, wk, vg .....	30
Philco 54C, wk, top replaced, vg .....	55
Philco 60B cathedral (2nd version), wk, vg ....	95
Philco 60B cathedral (Deco, 3rd version), wk, incorrect grille cloth, vg .....	150
Philco 60B cathedral, (late 1936), wk, g-vg ....	85
Philco 70 cathedral, minor veneer damage on top, g-vg	230



Philco 77 lowboy console, wk, vg.....	90	Superior TW-11 tube tester, wk .....	13
Philco 80B, Jr. cathedral, nwk, wrong knobs, vg ...	80	Telectron L-8H59 clock radio, ivory painted Bakelite, g-vg .....	5
Philco 84B cathedral (1st version), wk, g .....	75	Teletone 135, wk, vg .....	25
Philco 84B cathedral (2nd version), wk, vg ....	80	Tom Thumb portable camera radio, f-g.....	85
Philco 89B cathedral (common version, AM/SW), g-vg...	85	Toshiba M8TM294 transistor radio, w/case ...	43
Philco 90, replica, solid-state, g-vg .....	10	Tower cone speaker, wk .....	120
Philco 551 colonial clock radio, wrong knobs and finials, wk, g-vg .....	275	Trav-Ler 53 tombstone, wk, g .....	55
Philco 7050 tube tester, wk .....	18	Trav-Ler 56-38, wk, vg .....	18
Philco B574, wk, vg .....	10	Trimm horn driver .....	10
Philco B652, wk, vg .....	10	Truetone 585, g .....	45
Philco D665-124, mirror in lid, vg .....	80	Truetone 2626, wk, g-vg .....	20
Philco F817-124, wk, vg .....	28	Truetone 9161A, red, scratches on top, g .....	5
Philco J77 transistor radio, w/box .....	8	Truetone D2026, wk, vg .....	15
Philco Mustang novelty transistor radio, 1966, in box ....	75	Truetone D2102B, vg .....	5
Philco PT-2, wk, vg .....	20	Truetone D2634, wk, g .....	20
Philco PT-6, wk, g .....	28	Truetone D711, incorrect grille cloth, wk, vg ..	40
Philco T6-124, vg .....	4	Truetone D727, wk, g-vg .....	105
RCA 1X2, wk, vg .....	30	Tube shields, box .....	15
RCA 2X61, nwk, g-vg .....	10	U.S. Army 104TC tube tester, unk .....	18
RCA 5T tombstone, wk, vg .....	75	Viscount H1510 transistor radio, red and white, w/case	43
RCA 7T1 tombstone, wk, g-vg .....	85	Wagner brass blade fan, 12" diam. ....	25
RCA 9-571, cracked case, wk, g .....	8	Westinghouse H-126, Little Jewel (refrigerator), ivory, needs repair, vg .....	50
RCA 9XL1H, w/lighter on top, wk, vg .....	45	Westinghouse H-165, vg .....	10
RCA 16T2, wk, g-vg .....	30	Westinghouse WR12X4, wk, needs minor repair, g	25
RCA 56X3, wk, vg .....	18	Westinghouse WR272, wk, vg .....	55
RCA 66X12, wk, vg .....	28	Woolaroc 3-3A, g-vg .....	8
RCA 66X13, wk, vg .....	18	Woolaroc 31A, wk, g-vg .....	38
RCA 75X15, wk, vg .....	25	World globe on stand novelty transistor radio, vg..	20
RCA 96X1, wk, vg .....	150	Zenith 4G903, vg .....	25
RCA BX6, Globetrotter, vg .....	25	Zenith 5D027, wk, vg .....	35
RCA MI-13174 (?), metal table motel radio, no coin mechanism, g-vg .....	10	Zenith 5D811, wk, vg .....	15
RCA P-600, wk, vg .....	10	Zenith 6D015, wk, vg .....	25
RCA Radiola 33, wk, g-vg .....	40	Zenith 6D2614, wk, vg .....	43
RCA Radiola 51-7 (?), vg .....	28	Zenith 6D510, wk, vg .....	55
RCA Radiola 61-5, wk, vg .....	25	Zenith 6D520, wk, vg .....	50
RCA type FM (?), horn speaker, wk .....	130	Zenith 6D614W, wk, vg .....	40
RCA Victor 2XF91, wk, g-vg .....	13	Zenith 6D630, nwk, vg .....	23
RCA Victor 8X541, wk, painted blue, g .....	25	Zenith 6S249 chairside, wk, vg-e .....	700
Realistic 1281B Weatheradio cube transistor radio .	5	Zenith 6S254(?) console, slight veneer damage, vg .....	310
Rolls Royce car novelty transistor radio .....	6	Zenith 8G005YT(?) Trans-Oceanic portable, vg..	110
Ross RE210 transistor radio, w/keychain and leather case, vg .....	10	Zenith 10S464 console, wk, vg .....	180
Ross RE900 transistor radio, w/case .....	1	Zenith 10S568 console, wk, vg .....	150
Sentinel 294T, wk, vg-e .....	23	Zenith 15U270 console, wk, e .....	1,900
Sentinel 331, red plastic, wk, g-vg .....	50	Zenith 500D transistor radio .....	30
Silver-Marshall 30 console, untested, reconditioned (?), wrong escutcheon (?), g-vg .....	75	Zenith A508R, wk, vg .....	10
Silvertone 5, g .....	25	Zenith A510W, hums, vg .....	8
Silvertone 35W, wk, g .....	10	Zenith C730, table, wk, vg .....	8
Silvertone 2002, metal, wk, vg .....	28	Zenith G730, table, wk, vg .....	4
Silvertone 8003, blue, metal, vg .....	25	Zenith Golden Triangle, unk .....	85
Silvertone 8260, g .....	5	Zenith H511, wk .....	10
Silvertone 9005, wk, g .....	12	Zenith H511W, wk, crack on top, f-g .....	10
Simplex 5, tombstone, wk, vg .....	45	Zenith J506C, wk, vg .....	3
Sinclair gas pump novelty transistor radio, scratched front, f-g .....	5	Zenith J615, vg .....	13
Sparton 141A, wk, vg .....	10	Zenith K510, wk, vg .....	10
Sparton 232, vg .....	90	Zenith K526, wk, vg .....	20
Standard SRH436-8, Micronic Ruby transistor radio w/case .....	45	Zenith K731, wk, g-vg .....	10
Stewart-Warner 01-611, nwk, g .....	23	Zenith L516L table, vg-e .....	8
Stewart-Warner 9153A, crack in case, wk .....	8	Zenith R615W, wk, vg .....	25
Stromberg-Carlson 500J, wk, vg .....	40	Zenith R1229, Universal, wk, vg .....	25
Stromberg-Carlson 900J, wk, vg .....	110	Zenith Royal 16 transistor radio, w/box .....	13
Stromberg-Carlson 1101, wk, vg .....	25	Zenith Royal 50 transistor radio .....	4
Stromberg-Carlson 1110, table radio/phono, vg ....	38	Zenith Royal 710 transistor radio, w/power supply ..	5
Stromberg-Carlson 1500, Bakelite, wk, g .....	30	Zenith Royal 755 transistor radio, g .....	10

(Ron Ramirez, 811 Maple St., Providence, KY 42450; La Rue Auction Center, 210 S. Miller St., Sweet Springs, MO 65351. (660) 335-4538)



# RADIO MISCELLANEA

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

## On CRL Use of "Paragon"

Dear Editor:

The December A.R.C. article on the early years of Zenith by Cones and Bryant mentions the CRL use of the Adams-Morgan Paragon name for its similar receivers. A paragraph starts, "There appears to have been no legal action on behalf of either party."

In 1970, I had the good fortune to spend an afternoon with Ruth and Alfred Morgan in their upper Montclair, N. J., family home. We discussed the Paragon name Al had selected for Adams-Morgan products. He said that Paul Godley, his associate who designed the set, abhorred having the name on his work — Paul did not think his design met the definition of the word "paragon" — "a model of excellence or perfection."

Al said that he and Godley had a court hearing with CRL representatives regarding CRL's use of the Paragon name. The judge told them they had no case, for neither had registered the Paragon name. However, the judge said it seemed unfair to usurp another maker's product name, and suggested the two parties confer on the matter and agree on a solution without legal action.

Al said Godley took the opportunity to disparage the name "Paragon" with the CRL reps, and he believed the discussion prompted CRL to coin the name "Zenith."

I discussed my Morgan conversation with Alan Douglas who said he could not find any evidence to support Al Morgan's story. Nevertheless, Al's story seems very plausible from the details of the settings, and I tend to believe him.

Serge L. Krauss, Elkhart, IN

## Vacuum Tube Repair

Dear Editor:

In response to the tube repair question in the February 1998 *Radio Miscellanea*, I have found *Super Glue* (cyanoacrylate) useful in recementing tube glass to the tube base, as well as in reattaching grid-plate caps to the glass. Just squirt a small fillet around the loose area, and gently jiggle the loose part until you feel it grab. Then set it aside for a few minutes. Grid-plate caps reattached this way will also withstand resoldering after the glue sets for a few hours.

Byron Bernor, Acton, CA

## More on the Cover Photo

April Fool! Charlie Rhodes had us going there for awhile, and so we decided to try the ruse on you. The "Chinese triode tube" is actually a vase painted on the inside by a talented Chinese artist. The bottom matches the diameter of a transmitting triode base, and Charlie added a porcelain and metal plate cap of another transmitting tube to complete the April Fool's Day piece.

Sorry about that, folks. As Charlie said in his *second* letter to us (the first having kept us guessing), —"Just a joke!" Perfect for April, of course. (Editor)

## Hard to Ignore the Internet

Dear Editor:

I recently advertised 20 radios for sale on my web page, placed a "Radios for Sale" message in the newsgroup, and within three weeks, all the radios were gone. The key to internet sales is the ability to include a photograph of the item you are selling or are looking for.

There is tremendous activity related to vintage radios on the net. I have a web site that receives more than 3,000 hits a month. I think it will be hard for you to ignore the internet.

Enjoy your magazine a lot, especially the articles and *Photo Review*.

Larry Dowell, dowel1001@mc.duke.edu

*Even without ads, A.R.C.'s web site receives nearly 4,000 hits a month. With a "full service" site, I wonder what the potential is. (Editor)*

Dear Editor:

The solution you presented in the March A.R.C. about web access and hard copy is best. But, the one major advantage to putting A.R.C. on the web is that the whole database of ads could be searchable. This would benefit both buyers and sellers, as both could find information more quickly.

As for people who don't have computers — it's time to step into the future. I collect mostly pre-1940 radios, and I would be lost without my computer to keep a database of my collection and to access information, e-mail, and other collectors.

Edward Herrschaft, herrwood@bellatlantic.net

## Westford Radio XXIX Show Kudos

Dear Editor:

The recent show in Westford, Mass., Radio XXIX, was great! I've had good luck getting great radios there in the past. I love your magazine. Keep up the good work!

Roger L. Menard, Woodstock, CT

*A.R.C. was pleased to manage another successful Westford show. All 92 exhibit tables were sold and total attendance over 750! (Editor)*

## Long-Distance Appreciation

Dear Editor:

Although I am busy, each time I receive A.R.C., it's a first thing for me to read it through to the end.

Haruo Masada, Tokyo, Japan

Dear Editor:

I am very pleased with your publication. It is really the best way to get worldwide information about selling, buying and trading radio items, especially in my field of crystal sets. My collection would never have grown so quickly without A.R.C. Thank you, and all the best for the future from Vienna.

Erwin Macho, Vienna, Austria



# CLASSIFIED ADVERTISING POLICY

**ONE FREE 20-WORD AD** for subscribers in each issue; additional words are 29c each. See details below. Classified ads sent by mail, fax or by any other method must be received (not just postmarked!) by **Noon Eastern Time** on the classified ad deadline date to guarantee inclusion in the current issue. Late ads are held for the following issue. Please enclose correct payment with all ads. Stamps or cash are OK for small amounts. (Canadian and other foreign advertisers, please see "Payment" on page 2 for methods.) "Free words" cannot be accumulated from month to month; free words must be requested when ad is submitted.

**Faxed & e-mailed ads: Please see additional information on the inside front cover.**

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

**To minimize our typing errors: Please write legibly.** Use both capital and small letters. Do not use a dash between words. Carefully write the following numbers and letters (especially in model numbers) since some can look alike; for example 1, l and I (the number one, the capital i and the small L.) Also: 0, O, o, Q and D; r and n; 6, b and G; V, U, u, v and Y; A and R; 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 unaltered returned items.**

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

**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. See inside front cover for additional information.

## CLASSIFIED AD DETAILS

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

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

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

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

### Classified Ad Rates per Month

Subscribers:

First 20 words: **FREE\***

29c per word for extra words over 20 **plus**

10c per word for a shaded ad (count all words including free words).

\* Subscribers may take 20 free words on only **one** ad each month.

Non-Subscribers:

47c per word **plus**

10c per word for shaded ad.

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

## BOXED CLASSIFIED AD DETAILS

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

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

### Boxed Classified Ad Rates per Month

Nonshaded ads:

40c per word for all words,\* none free, **plus**

10c per word for each bold word **plus**

10c per word for each all-caps word.

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

50c per word for all words\* **plus**

10c per word for each all-caps word.

Non-Subscribers:

Add 20c per word to above costs.

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

## PHOTO & DRAWING DETAILS

**Deadline: 1st of the month**

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

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

### Photo and Drawing Rates per Month

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

## CHANGES & CANCELLATIONS

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

## IMPORTANT — COUNTING WORDS — IMPORTANT

The **standard headings:** WANTED, FOR SALE, etc., count as **one** word each time used in an ad. **Name, address** and (one) **telephone number**, count as **6 words**, regardless of length. Ham call letters and business name can be included in the 6 words and do not count extra. Full name (or company name) and address is required in all classified ads. Each additional word, abbreviation, model number or number group, extra telephone numbers, fax, e-mail, etc. count as one word each. Hyphenated words count as two words.



PERIODICALS

A.R.C., P.O. Box 2, CARLISLE, MA 01741  
ADDRESS SERVICE REQUESTED

**CLASSIFIED AD  
DEADLINE APR. 10th  
Noon Eastern Time**