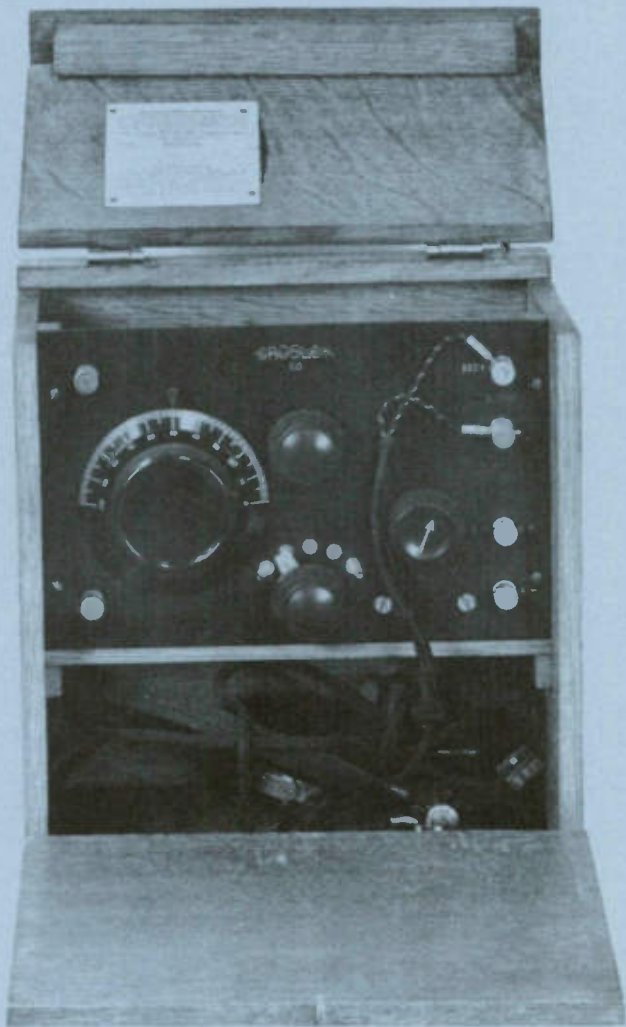




VOLUME 2

NOVEMBER 1985

NUMBER 11



CROSLY MODEL 50 PORTABLE

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

ANTIQUE RADIO CLASSIFIED

Publishing Details

Antique Radio Classified (USPS 735-090) is published monthly, 12 times yearly, at a subscription rate of \$15.00 per year by G.B.S. Enterprises, 9511 Sunrise Blvd., #J-23, Cleveland, Ohio 44133, (216) 582-3094.

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Publisher and Editor - Gary B. Schneider.

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Purpose

Antique Radio Classified is published for people involved in the radio collecting hobby. Its purpose is to stimulate growth of the hobby thru the buying, selling, and trading of radios and related items. In addition, there will be coverage of upcoming radio conventions, meets, flea markets, etc. Other items of interest to collectors will be included in issues as material or suggestions are received.

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All ads must be paid for in advance. Make checks payable to Antique Radio Classified.

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Antique Radio Classified welcomes and solicits any information that pertains to the radio collecting hobby. This may include material such as upcoming radio events, meetings, radio books and publication reviews, new radio clubs and organizations, radio auctions and price reports, sources of old radio material and restoration supplies, and any other material that would be of interest to the hobby. All material submitted should be typewritten and verified for accuracy.

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SIGNATURE AND TITLE OF EDITOR, PUBLISHER, BUSINESS MANAGER, OR OWNER
Gary B. Schneider



COLLECTORS CORNER

CONTRIBUTED BY: FRANK HEATHCOTE, 1235 N. 3RD ST., LOGANSPORT, IN 46947

Powell Crosley's aim in whatever his business venture besides the obvious, to make money, was to make a good product to sell as cheaply as possible. When the Crosley model 48, "the Wiget", was released in late 1930, it was the least expensive new set on the market. It sold complete with tubes for an unheard of \$39.75. At this time, there were only a few radios selling for \$10 more - the Audiola Junior, Gloritone's model 26, the Simplex model H, and Philco's model 20. Most mantel sets were selling in the \$59 to \$69 range. In 1930 buying a radio was a major purchase, especially for a blue collar worker, and \$10 or \$20 was a very big difference in price. The Crosley Wiget made radio affordable to many people for the first time and among the well-to-do it became a popular second set.

The Wiget's unusually styled cabinet was one of a series of Crosleys made of a material they called Repwood. Basically it was a mixture of powdered wood and glue having been compressed in a mold and heated. As long as it is not mishandled it is quite durable. The finish does get worn and chipped but it is best left alone as any attempt at refinishing will remove the printed finish. Sometimes the cabinet will have developed a sag over the years. Often this can be remedied by hanging the cabinet by a sturdy nail or two and waiting patiently.

The Wiget is a well thought out, compact radio as small as any at the time of its introduction. It measures 12½" tall, 11½" wide, and 9¾" deep and weighs 20 pounds. Five tubes are used in a Neutrodyne TRF circuit, 24's in the 2 RF stages and for the detector, a 45 in the single AF stage, and an 80 rectifier. An unusual "Electro-power" speaker is used. This is a balanced armature speaker energized by an electromagnet acting as a filter choke. Little additional filtering is used, only an 8 mfd. electrolytic and a ½ mfd. paper capacitor and reproduction is quite hum-free.

With a good antenna and ground the Wiget is a decent little radio. Reception is adequate although on distant stations there is no

overabundance of volume. Selectivity leaves much to be desired but that is usual for a TRF set. The model 48 chassis was also used in a small chairside floor model with a decorative Repwood front, the Crosley "Johnny Smoker", selling for \$47.50. A shore wave version of the Wiget was also made, the model 80-200A covering 80 to 200 meters. A four tube version of the Wiget called the Elf selling for \$37.50 was also made.



CROSLY "WIGET" 48

The very unusual styling of the Wiget makes it greatly sought after and it is probably the most popular of Crosley's Repwood radios. A perfect example is extremely hard to find. The foil Crosley crest is usually missing and the brittle bakelite knobs are often broken or have been replaced.

Next month the Collectors Corner will feature one of the first mantel radios manufactured on the east coast, the 1930 Tom Thumb Midget manufactured by the Automatic Radio Manufacturing Company of Boston, Massachusetts. (Frank Heathcote)

The Collectors Corner will appear as a regular feature of *Antique Radio Classified*. It is an attempt to build knowledge and interest of radio collectors primarily in AC home receivers of the late 1920's to the 1940's, with emphasis on the lesser known and more unusual styles and brands. Helpful restoration hints will be given where possible. Any questions, comments, or suggestions on this column, the radios featured, or on any other radios may be sent to Frank Heathcote, 1235 N. 3rd St., Logansport, Indiana 46947. Please include a self-addressed stamped envelope for reply.

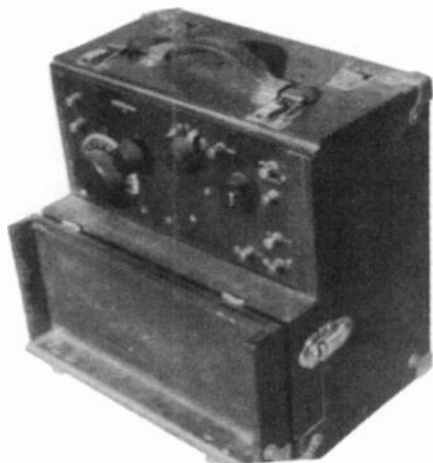


CROSLLEY REVIEW

CONTRIBUTED BY: DAVID CROCKER, 6 OLD FARM RD., DUXBURY, MA 02332

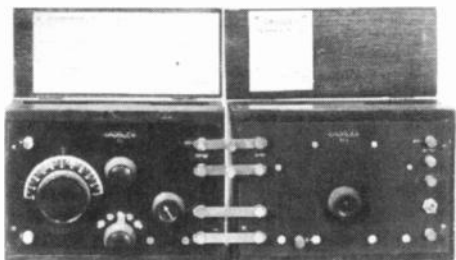
Of all the radio manufacturers, one of the most popular with collectors is the Crosley Radio Corporation. Due to this wide-spread interest, Antique Radio Classified in cooperation with Dave Crocker, a Crosley specialist, will present a series of articles showing the many models of Crosleys manufactured. This will help assist the collector in identifying the many types of Crosleys made, as well as increasing ones' knowledge on the subject. Any comments or questions concerning this column should be directed to Dave with a S.A.S.E. for reply. See address above.

MODEL 50-PORTABLE - (Photo on front cover) The ever popular Model 50 was a natural for a portable set, and Crosley put it in a small case and called it the "50-P". Although advertised as being in a Black Leatherette case, it has only been seen in a handsome blond Oak case with a fold-down front. Below the set is room for two dry cells... and not much more. The performance of the Model 50 rivaled sets costing many times the \$16 price it asked.



MODEL 51-P - The Model 51 was sold as a portable model in this black leatherette-covered wood case. Below the set was space for dry cells and phones (almost). The top hinged for access to the tubes and it was carried by a rather thin leather strap-handle. It sold for only \$25. This set was very popular and many exist still.

MODEL 51-A AMPLIFIER - To amplify the signal of Crosley's Model 51 two-tube receiver, The Model 51-A Amplifier was produced, shown on the right, and when connected to the popular Model 51, gave results similar to that of the Crosley Model VI (six). It's price was \$14. (Photo courtesy of Larry Wright)

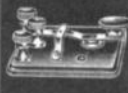


MODEL 50 - After the models 51 and 52 came the one-tube Model 50 (shown at the left). Actually a throw-back to the one-tube Harko, but of regenerative design. The Model 50 was very successful and sold for \$14.50 without tube or phones or batteries. Shown to the right, connected by bus-bars is the Crosley Model 50A 2-tube amplifier. This \$18 option gave the model 50 similar receiving characteristics as the Model 52.



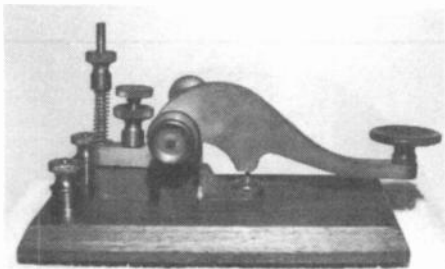
MODEL 50/50A - A version combining the Model 50 with its 50A Amplifier was sold as the Model 50/50A. Both units were housed in a single cabinet similar to the Model VI and connected together by external bus-bars. Few of these sets seem to exist.



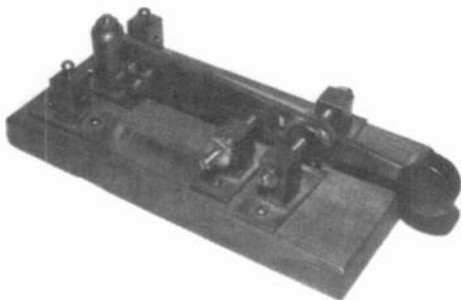


TELEGRAPH KEY REVIEW

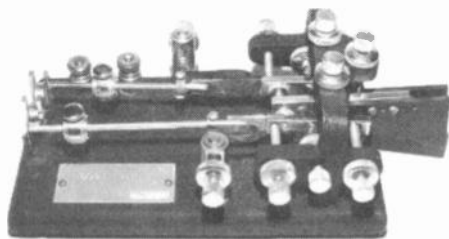
During the course of collecting and searching for radios, many collectors will have the opportunity to acquire telegraph keys and related items. In order to acquaint you to this collecting speciality and broaden your knowledge in this field, the accompanying photos of the Gil Schlehman, K9WDY, collection are presented to show the many types and variations you may encounter. Any questions regarding telegraph keys, please write in care of Antique Radio Classified.



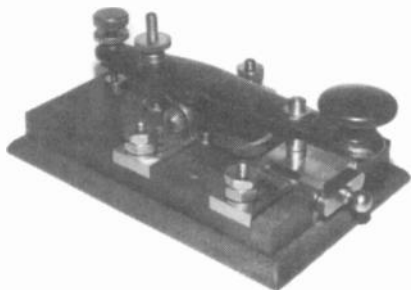
1848 CHUBBOCK - This camelback key was one of the first made. The first telegraph keys were simple affairs, being no more than strap keys. Later, these beautiful curved keys became commonplace, the variety of designs seems infinite. They gradually lost favor to the "straight" keys, but were made up to the turn of the century. The knob is made of turned walnut as plastic was an invention of this century. A most unusual key. *Courtesy P. Giganti*



HOMEMADE SIDESWIPER - This is an excellent example of the simple but effective means of putting together a working key, bug or sideswiper from whatever happened to be on hand. During the depression of the 1930's, ham radio was still popular, but funds were a little scarce. Some ingenious and inspiring instruments were put together from necessity while remaining as frugal as could be. A simple item like a broken hacksaw blade would do a mighty fine job. I recently heard one on the air and at first I thought the person was using an electronic keyer. The homemade items are some of my favorite. *Courtesy Al Jochem.*



THE MELEHAN VALIANT - Mel E. Hanson, W6MFY, introduced this double pendulum bug just before WWII. While unique, it proved to be clumsy, and not many were made before hostilities broke out. Production was suspended for the "duration", and was started up again after the war. Due to the giant leaps forward in electronic technology as a result of the war effort, electronic keyers were just below the horizon. Bugs, as such, were doomed by the ever accelerating move back into ham radio and high speed CW. Only about 500 of these were ever made, having been extremely unpopular and untimely. For this very reason, they are now a much sought after piece. It is said that the unpopularity of this masterpiece was the undoing of Mr. Hanson. *Courtesy Ed Raser, W2ZL.*



FRENCH SPARK KEY - This key has removable contacts for fast replacement if they become too pitted. They are wedge shaped and of mostly copper composition. This is a "heavy duty" key, and was used about WWI with spark equipment. I would be curious to find out who made it. *Courtesy James Kreuzer.*



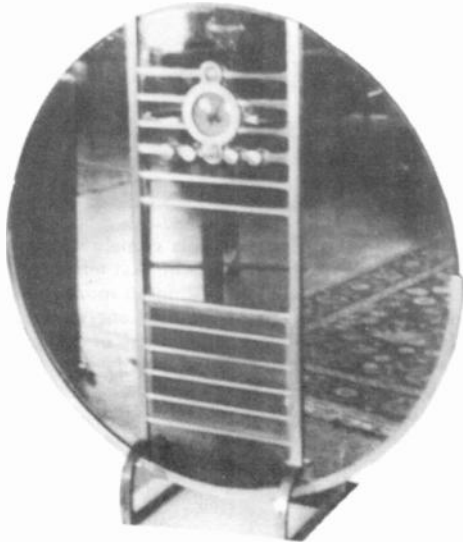
PHOTO REVIEW



The "Photo Review" column is intended to present in pictorial form many of the radios, speakers, tubes, advertising, and other radio related items in the collections of other collectors. These photos are meant to help increase awareness of what's available in the radio collecting hobby. Photos are solicited from other collectors for use in future issues of A.R.C. Items desired are the more unusual radios and other items related to the hobby (covering the years 1900 to 1940's). Photos must be B&W (any size) and be sharp in detail, preferably with a light colored background. Please include a short description of each item submitted.



PARAMOUNT - Actually a Echophone Type "A" manufactured by The Radio Shop of Sunnyvale, California. It is a three tube set using the Armstrong Patent for regeneration. (Greg Farmer - Fridley, MN)



SPARTON - Perhaps one of the most sought after radios on the radio collecting scene, this beautiful radio was manufactured by the Sparton Radio Co. Known to collectors for the blue glass radios they made, this Sparton set is perhaps one of the rarest known. Made in 1936, it listed for \$350. It is 48" high and 46" wide with blue glass and brushed chrome trim. Purchased this past April, this radio has since been sold. Not many of this model are known to exist. (George Robertson, Akron, Ohio)

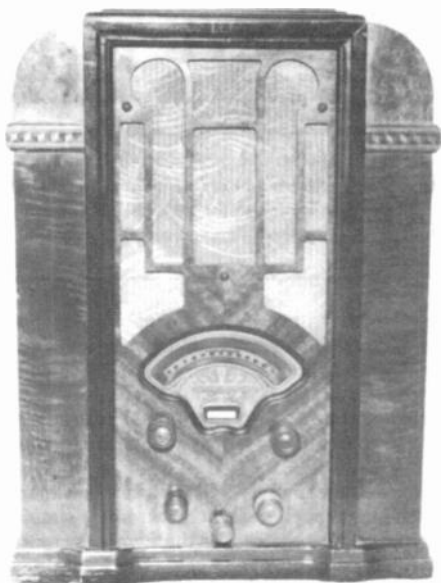


MAJESTIC - "Melody Cruiser" ship radio, this novelty set is housed in a "ship" cabinet with chrome sails. When the Grigsby-Grunow Co. went under around 1934, its trade name of MAJESTIC was picked up by The Majestic Radio and Television Corp. I believe this set to be from the late 30's or early 40's as it seems to use the same (or very similar) chassis that they used in their "Charlie McCarthy" radio. (John Miller - Lexington, KY)



RCA VICTOR - A neon advertising sign, age unknown. Writing is etched glass. (Greg Farmer - Fridley, MN)

PHOTO REVIEW



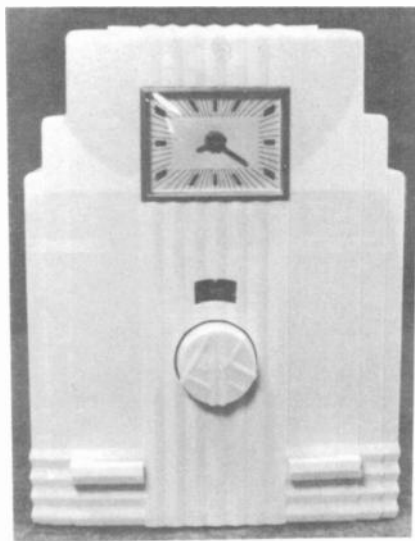
ATWATER KENT - Model 328, this large table set is from the first of two model lines in 1936, the last year in which AK manufactured radios. An eight tube superhet, this fine performing radio has three bands, a shadowgraph tuning indicator and the following tube line-up: 5Z4 rectifier, three 6K7's (RF, first & second IF), 6A8 first det/osc, 6H6 second detector control, 6F5 first AF and 6F6 for second AF output. Also available in a console version, this attractive cabinet measures 21" high, 16" wide and 11" deep. (John Miller - Lexington, KY)



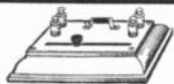
UNKNOWN SPEAKER - An unusual speaker standing 13" high with a 10" bell, it sits on a 6" diameter wood base. A decal on bottom of base is partially torn off, so manufacture is not known. It uses a "Pennsylvania" earphone driver by Hamburg & Hamburg of Pittsburgh, PA. (Bob Burick - Parma, OH)



AUER - This is a nice looking crystal set made in Germany. Note the micrometer adjustment for the detector. (Greg Farmer - Fridley, MN)



AIR KING: Model 52-54, five tube superhet made by the Air King Radio Corp., Brooklyn, New York (1933) - Frank Heathcote



CRYSTAL SET REVIEW

CONTRIBUTED BY: MIKE FEHER, 9100 TRAVELLER ST., MANASSAS, VA 22110

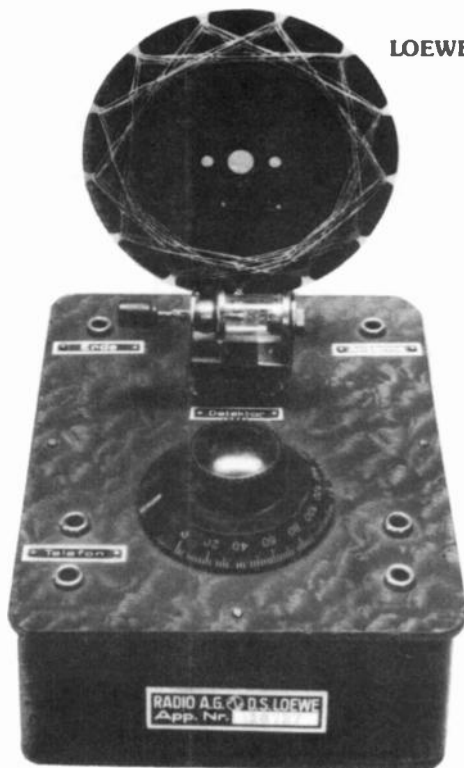
One of the more interesting collectables in the radio collecting hobby is the crystal set. Many manufacturers made these sets in countless shapes, styles and variations. It is the intent of this column to present in pictorial form many of these crystal sets and to add further documentation to the little that is currently available. Collectors are encouraged to submit B&W photos and descriptions of crystal sets in their collection. (GBS)

European sets have always appealed to me, probably due to my European upbringing and association with European gear. I still remember, to my fathers displeasure, taking apart an early crystal set for the fun of it in the early 1950's. It might have been a German set, as we lived in Hungary, however the only thing I remember about it is the nice green wire that was wound on the variometer. I was probably around 8 or 9 at that time and took apart anything I could set my hands on. There was not that much radio equipment for one to set their hands on in Hungary at that time.

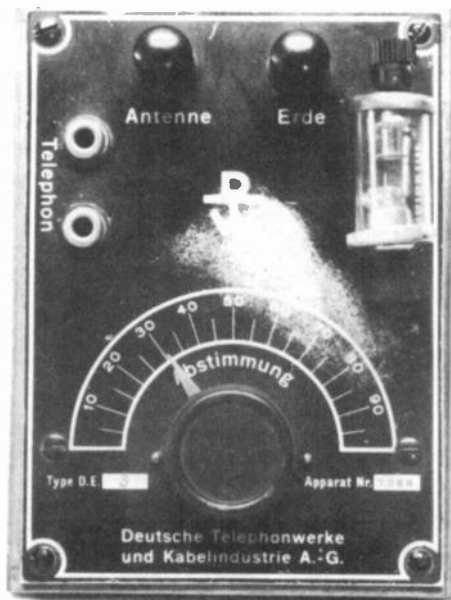
Most of you have probably heard about LOEWE, they made the famous 3NF tube, but how many have seen a Loewe crystal set. Well, the photo on the left shows such a set. It is extremely simple, there is only a variable condenser in the case. An external coil is required for the frequency range of interest. The set uses a plug-in detector typical of most early European sets. The front panel is sloping and is painted in a swirl design, kind of like our early crackle finish.

Another German set, this one manufactured by the Deutsche Telephonwerke und Kabelindustrie is pictured on the right. This set does not require an external inductance, as the coil is enclosed and it is of a flat honeycomb design. Like the Loewe, it also uses a plug-in detector. In the future I will feature additional European crystal sets from my collection. (Mike Feher - Manassas, VA)

LOEWE CRYSTAL SET



DTW CRYSTAL SET



A-K BREADBOARD REVIEW

CONTRIBUTED BY: RALPH WILLIAMS, RD 1 - BOX 44, ORIENT, NY 11957



This months photo review of Atwater Kent breadboards is being delayed one month due to photographic problems. We will continue the series next month. In its place, I have some very useful information to many collectors. The chart below is a list of Atwater Kent's sales figures from September 1923 to December 1927 covering domestic, Canadian and foreign sales. I am sure you will find it very useful in comparing relative scarcity of each model compared to the others. (Ralph Williams)

AK Production Figures

PART	#MODEL	1923	1924	1925	1926	1927	TOTAL
4325	8	17	(2)				15
4340	10	12270	2669				14959
4440	9	2449	3920				6303
4480	9	8	7				15
4490	10	8	3				11
4550	10	122	11831				11953
4560	10	80	18517			(1)	16596
4590	10		2363				2363
4600	10	1235	1614		1		2850
4610	10 B		49				49
4620	20 6-Tube		1520			(2)	1518
4640	20 Cabinet		78321	109027	2422		189770
4660	9 C		4180	1796	(23)	(6)	5947
4670	20 Panel			7218	1		7219
4700	10 C		24364	18131	(412)	2	40185
4880	19		2298	3418	(18)		5698
4910	12		5377	3103	(148)		8422
4920	24		4257	2943	1786		8966
4950	10 Pooley		7043	3970	29		12862
7570	20 Compact			163376	(119)		163257
7885	20 Panel			18648	1516		20164
7780	21 Dry Cell			17584	(7208)	(10)	10366
7817	21 " " Panel			15	6		21
7960	20 Compact			76150	6446	82596	165192
8000	30				99297	21525	120822
8041	30 Panel				642		642
8100	35				199944	122075	321019
8186	30 Panel				29406	214	29620
8260	20 Panel				9693	(716)	8977
8270	32				35958	789	36747
8280	32 Panel				1817	13	1830
8432	20 Panel					44	44
8500	50					1540	1540
8930	33					70370	70370
8970	33 Panel					28	28
9043	30 Panel					19841	19841
9050	33 Panel					38725	38725
9390	36					36209	36209
9500	37					12240	12240
9520	36 Console					4033	4033
Special Sets		9					9
TOTALS		16189	167320	351159	449740	333358	1317786



THE WD-11 TUBE



CONTRIBUTED BY: J.K. BACH, BOX 96, WALDEN, NEW YORK 12586

WD-11 - The New Low Current Filament Tube Marked A New Era In Radio Communications.

Radio Broadcasting on a commercial basis began over half a century ago with KDKA, the Westinghouse station in Pittsburgh, and within a short time commercial stations began appearing in all major U.S. cities. Nearly all receivers at the time, however, were simple low sensitivity crystal sets, and most areas of the country were out of range of these new stations.

The answer to the problem obvious to us today: buy a more sensitive receiver and plug it in. But the receivers of that day didn't plug; they required storage battery power, and recharging these cost a dollar weekly

when it could be done at all (equivalent to four times as much today). On the farms and in small towns, receiver operation on this basis were largely out of the question. Even in large cities, in fact, many homes were still lighted with gas; electric service was by no means universal as it is today.

The answer to the problem came in 1922 when the long-since-forgotten WD11 tube was developed and introduced by Westinghouse Lamp Co. Here was a tube whose filament could be lighted for weeks by a single Columbia #6 dry cell, costing thirty-five cents; a revolutionary achievement which opened up the whole country to broadcasting, and caused the emergence of an electronics technology country-wide. The WD-11 in its Aeriola Senior receiver and succeeding models changed the entertainment habits -and the thinking- of the nation. Metropolitan newspapers hired their own "experts" to conduct columns of advice and present building plans for receivers, functions soon taken over by the radio magazines.

The reign of the WD-11 as the dry-cell tube was short, only about three years. It was superseded by GE's UV-199, announced a year later than the WD-11, but which got off to a slower start. The '99 required less filament *current*, but not a whole lot less filament *power*. It was rumored that the bell-ringing '99 was far superior as an r.f. amplifier and this canard effectively killed the WD-11 as an experimenter's tube. WD11 prices dropped sharply. RCA by its cross-licensing policies eliminated the nonsense of "bring back the dead tube and we'll sell you another" and deserves a lot of credit for this. The great tube availability due to lower prices fostered technical development.

The 99 is still listed by a few suppliers, with the going price \$5.00; The WD-11 is exclusively in the hands of collectors, and the price is whatever you have to pay for it. (The tube which illustrates this article cost fifteen dollars - in 1973.)

All of those pioneers involved in the development of the Westinghouse WD-11 have passed on, and there is next to nothing in print about it. In an effort to piece together its history, I inquired of Westinghouse, which referred me to two retired employees, Lauren Peckham and Bruce Roloson. With their aid, which I gratefully acknowledge, it is possible to complete descriptions and trace developments and even hazard some inferences to fill in the gaps. This brief history of this revolutionary tube owes them a lot.

The concept of a small vacuum tube powered by a dry cell for portable equipment is due to Doctor Frank Conrad, of Westinghouse. The date was probably late in World War I, and the suggestion probably made to Signal Corps brass. At the time he had no thought of broadcasting, which he later initiated, and the development contract was given, not to Westinghouse, but to Western Electric.

Why Western? The reasons were not made public, but probably depended on the technical fact that the standard Tungsten filament could not be scaled down without reducing the emission to an impossible level. But Western had been using the Wehnelt (VAY-nelt) cathode in telephone repeater tubes since 1915 - that's right, only nine years after the Audion was invented! These first tubes looked very much like the war-time VT-2. This cathode was a filament painted with a mixture of Barium and Strontium Nitrates, the same salts which produce the greens and crimsons in fireworks. In tubes they are reduced to oxides in processing. Such filaments are at least twice as efficient as Tungsten, operating at a dull red heat. They have high emissivity, are stable, and can have extremely long life.

The actual design for the new tube was undertaken by H.J. Van der Bijl (VAN der BEEL) of Western's tube department. He was already well known on the continent as a tube designer, and he had invented grid modulation.

He was a proponent of simplified tube construction, and so mounted the new elements between glass beads for bracing. (The standard construction was to fuse the element support wires in a re-entrant "mount" such as used in lamp bulbs.) Van der Bijl inserted this assembly

Continue next page...

in a tiny tube with the exhaust tip on one end and an *external* press, like that on an NE 2, on the other. He felt that in such a small assembly the grid could be supported at only one end, provided that the wire be thick enough. Experimental tubes with this construction have not survived, but they must have been impossibly microphonic! In production, tube elements were well braced at both ends. All tubes were microphonic then, except the VT-1 (also his design) but the new little tube was among the best (least microphonic) in this respect.

The filament was of Platinum/Iridium, only .002 inch in diameter, probably the smallest commercially-available wire. The Iridium had no function, though it was widely assumed to have. It was far cheaper to include it than to refine it out, and like Platinum, it was inert and did not poison emissive coatings.

Van der Bijl's little tube was the original "Pea-nut Tube" and not the UV 199, as is widely believed. It was assigned a whole list of names: VT-5, D-80039, 115-A, later 215-A, SC-201-A, Type N, and it used Western Electric 121 A or 125 A sockets.

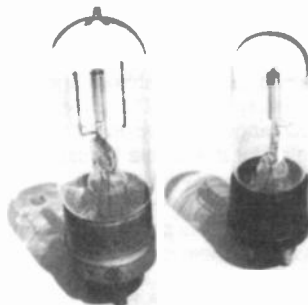
In 1921 when the design was licensed to Westinghouse (who at that time made only Tungsten-filament tubes) the company saw no reason to change the size of the grid wire, so that the elements of the Type N and the WD-11 were identical. Westinghouse did, however, enlarge the tube considerably, provide it with a special push-pin base, the first in this country, and used its own development, the "Lime Getter" which was-painted on the flat part of the stem to improve the vacuum.

The original WD-11 had a tip, a brass base, clear bulb, and lime getter. Later tubes had a bakelite base and were tipless. Sometimes both lime getter, and metallic flashing were used together, but at last only the flashing ("Batalum" or Barium) was employed. It was the large grid wire common to the N tube and the WD-11 that persuaded me that there might be some connection between them, and led me to query Westinghouse. It is startling to see a lighted WD-11 or N for the first time in a dark room. The large grid wire reflects the flowing filament, so that it looks as if the grid were red-hot.

Some collectors want only to display their tubes; others insist on trying them, and I belong to the latter congregation. I bought a Radiola III (a later version of the Aeriola Senior, one of several) and the seller assured me that the tubes in it were for show, being no good. The first lit up like a VR-150 when plate voltage was applied in the tube tester. I switched to low plate voltage, applied normal drive (transmitting tube fashion) and heated the flashed deposit on the tube envelope with a cigarette lighter flame -very cautiously- as old timers used to do. It hardened up very well and is now OK, with no grid current and the rated Gm of 400. But even if it

hadn't, I could have used it as a detector, or even as an audio amplifier with 15 v. or less on the plate. That's what we used on the sensitive UV-200, and even if it is a "transistor" voltage, it works better than you would think.

The other tube tested open, but the filament clamps appeared to be still under tension. I tried resoldering the filament prongs which sometimes works on old tubes, but didn't this time. I then gave the filament two or three pulses of 2.5 volts, and as I had hoped, the clamps re-welded themselves and it lighted up fine with the normal 1.1 volts. It, too, tested OK. If it hadn't, I would have placed it in series with a 10 watt bulb across the 120 volt line. Ten watts does not figure to a quarter amp, but remember the surge current in the cold lamp filament.



WD-11 TUBES - Shown are two versions of the WD-11, the one on the left being the older version with the brass base and tip on top. The other is the standard bakelite version. Both have the familiar large prong on the base along with the other smaller three prongs.

The WD-12, like the UV series, is a shaw-based WD-11 with a bayonet pin on the side. The WX-12 has a UX base, with long pins. The Western Electric 239A is, curiously, a first cousin of the WX-12; which latter was derived from the old type N. The WE 231D is much different; it is most like the '99 in ratings, but has a V filament, oxide coated. They are interchangeable, except that the 231D has a higher transconductance and is less microphonic. RCA's 864 is a V-filament flat plate super WX-12, noted for its quietness. The filament glows so dimly that it is difficult to see, even in the dark. But the Gm is right up there. These are still available at reasonable prices, and will interchange with WD-11's and 12's in all applications. For instance, you could equip an Aeriola or Radiola III with them by changing the socket.

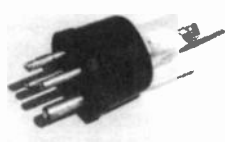
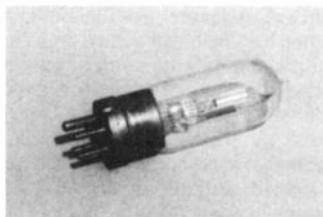
The coming of the A.C. powered tube slowed but did not stop battery tube development. Even smaller filaments were wanted, and pure nickel was finally drawn down to a thousandth of an inch. While the new filaments were vastly cheaper than Platinum, which by now was a precious metal, they didn't work very well.

In 1933 Westinghouse produced Konel, an alloy of Nickel, with Cobalt, Iron and Titanium. Its resistance was high, so it could be used in larger gauge, with increased emission. It made the type '30 a resounding success, and several families of new tubes used it.

The N survived in the Telephone Company until about 1940, the longest span of any tube type. Similarly, that old revolutionary, the WD-11, could still compete with many younger triodes in operating characteristics except that it had been phased out in the '30's.

Probably no tube can stand up to Solid State of the Art, but will any Transistor be collected at some future date, and valued as these old tubes are today? - I wonder.

Acknowledgements: The preceding article first appeared in *CQ* magazine, November 1973. It was written by J.K. Bach of Walden, New York. A.R.C. would like to thank both Mr. Bach and *CQ* magazine for being able to bring you this interesting story of the WD-11 tube. Copyright 1973 by *CQ* magazine. Reprinted with permission. Photos for this article furnished by Gary Schneider.



View of WD-11 tubes showing the arrangement of the prongs on the bottom, one being much larger than the other three.

WHAT IS IT column is provided as a service to collectors to help them identify items in their collection which they would like to have identified by any of the readers of A.R.C. If you have any knowledge of the item pictured, please write to the person requesting help. If you have an item which you would like to have identified, send a B&W photo or sketch, along with a brief description of the item and what you would like to know about it.



WHAT IS IT? - I bought this radio case from a fellow who said it was a Majestic. I was wondering if it is a Majestic and also what chassis and speaker it uses. Perhaps some of A.R.C.'s readers could help me find information about this item. (Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456 (314)735-2945

NOW YOU KNOW...

Now You Know - In the *Radio Trade Directory* by McGraw-Hill Co., May 1925 edition, there is a listing of 458 manufacturers of Vacuum Tube Radios and 79 manufacturers of Crystal Sets! And for you Headset (headphones) collectors, a listing of 99 manufacturers. Want to know more about how many manufactures made certain items, from A to Z - let me know - GBS

NEW COLUMNS! - From the many request as indicated in the recently completed Survey Forms that were sent out in the July issue of A.R.C., we would like to try a few new ideas. The first is a *Collectors Question & Answer* column. Each month we will list any questions that collectors may have concerning restoration problems, repair problems, sources for restoration supplies, or other relevant questions. Readers are then asked to respond to A.R.C. if they know the answers to any of the questions. Results will be printed in the first available issue. The second is a *Tips & Hints* column. Using the broad spectrum of knowledge that is available from the readers of A.R.C., it is hoped that each person could contribute a few tips or hints he has learned about servicing & repair, restorations, parts replacement & procurement, or other ideas that could benefit others. What some collectors take for granted may not be common knowledge to others. With these two new columns we now have a means for collectors to help others in the hobby and to share the knowledge for all to use. Lets get these two columns started soon - send us your "Questions" or any "Tips & Hints" you may have. (GBS)

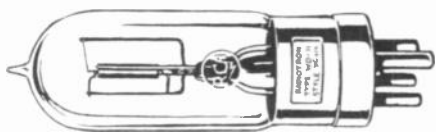
WITH THE COLLECTORS

CONTRIBUTED BY: BUD BEDKER, 66 CLOVERSIDE CT., W. SENECA, NY 14224

THE NEGLECTED RADIOLA III & IIIA

Too often the Radiola III and IIIA are not appreciated by collectors. Possibly because they are so common could be the main reason they are shunned by some collectors, along with the difficulty of obtaining the WD-11 tubes for them. These little sets, with their gleaming exposed tubes, are truly a classic representation of an early battery radio. Their small size and nice looking style make them ideal candidates for displaying in your collection. With a little attention these sets can perform like they did in 1923.

Having restored quite a number of the little bakelite topped neat mahogany cabinets and well made components inside, I am fascinated with the sensitivity and all around performance the sets produce. Possibly a couple of reasons for collectors not enjoying their sets are the scarcity of the WD-11 tubes and the two or three parts that usually need fixing to make the sets work like new.



There are still a few WD-11's out there, but getting expensive. The VT2 and 864 are good substitutes with adapters or by mounting the glass envelopes into old WD-11 bases. Transistorizing the old tubes is another way which allows the set to operate for many hours on three "C" or "D" flashlight batteries hooked together in series.

Another common problem is an open winding in the audio frequency transformers. There are replacements available with a little searching or an ad might find them. Nearly every Radiola III & IIIA have the variocoupler rotor wires parted due to the wire becoming brittle with age or just wear. Those two wires can be replaced with 9 inch pieces of small covered stranded wire. The last, but all important, common problem that keeps most of these sets from giving fascinating results is the tubular capacitors in



RADIOLA III

the antenna and detector circuit. Most have changed values or parted internally with age, possibly bumped or a little too much force with tightening the end screws. They can be replaced with available capacitors from a local electronics store. If you wish to have the set be very authentic in looks, the ends may be taken off the cylinders and the little parts put inside them and then re-cement the ends in place. Other than the tube socket rubbers needing replacing due to hardening or cracking over the years, the rest of the set will usually work O.K.

Having put in a few hours bringing this set back to original condition, it will give you hours of pleasure with only a short piece of wire for an antenna on local stations or will reach out hundreds of miles with a larger antenna when atmospheric conditions are favorable. (Bud Bedker)

(Editors note - Mr. Bedker has had much experience in bringing the Radiola III & IIIA's back to life. He has considerable knowledge in using substitute tubes for them and would be glad to give you needed help or suggestions. Please enclose a SASE when writing to him - Bud Bedker, 66 Claverside Ct., West Seneca, New York 14224



CLASSIFIED ADVERTISEMENTS

CLASSIFIED AD DETAILS: Each subscriber is entitled to one free 20 word ad each issue. Additional words over the free limit are 10 cents per word. Enclose correct payment with ad, as we do not bill for ads. Ads must be received before the 10th of the month to appear in the following months issue. Late ads will be held for the following issue. Limit of two multiple insertions of same ad. Ads may be sent in advance, however each ad must be submitted on a separate sheet of paper, preferably a 3 x 5" index card. Publisher reserves the right to edit ads and is not responsible for errors due to illegibly written ads. **OPTIONS:** Shaded ads are available at a cost of 10 cents per word additional, including free words. Photo ads are \$5.00 each for half-tone charge. Allow extra time for processing of photos. B&W line-art drawings also accepted at a rate of \$1.50 per vertical inch, maximum width is 3 1/2 inches. Custom ads made to order, send sketch of your ideas for quote.

WANTED: Information on any of the following radio companies, especially pertaining to their history and product lines: Automatic Radio Mfg. (Tom Thumb), Boston, Mass. . . . AirKing Products Co., Brooklyn, NY. . . . Stewart Warner Radio Corp., Chicago, ILL. . . . Simplex Radio Co., Sandusky, Ohio. . . . Clago Radio Corp., Chicago, ILL. . . . R.E. Thompson Mfg. Co., New York City. Any help will be appreciated. I need the info for upcoming articles in A.R.C. Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947 (219) 722-3612

FOR SALE: New B&W Thordarson Yokes and Flybacks, #1 thru 167, \$15 each postpaid. Don Aldred, 39 East 8th St., Jacksonville, FL 32206

WANTED: Pre-1926 Radio News magazines, books, tubes. Please state date, type, condition, price, etc. Marc Gottlieb, 931 Olive, Menlo Park, CA 94025. All letters answered!

WANTED: I have over 160 different telegraph bugs. Does anybody have one that I don't? G. Schlehman, 335 Indianapolis, Downers Grove, IL 60515

WANTED: Theiss, Young Wireless Operator series - Afloat, Oyster Fleet, Secret Service and Coastguard titles. Robert Stapleford, 1800 Randolph, Topeka, KS 66604

WANTED: Old transmitting tubes, amateur or commercial. Help preserve the old "bottles". Send list of your tubes, terms and conditions for acquisition. Ye Olde Transmitting Tube Museum, P.O. Box 97, Crescent City, CA 95531

NEED: Instruction book for Meissner Signal Shifter Model "EX". Will copy yours or pay for copy. T. Walker, 154 Intervale Rd., Mountain Lakes, NJ 07046

FOR SALE: Loctal tubes, new and used. Send SASE for listing. Fala Electronics, P.O. Box 1376, Milwaukee, WI 53201

WANTED: A nice early Scott Philharmonic with original cabinet. Joe Horvath, 531 Nutt Rd., Phoenixville, PA 19460

FOR SALE: CAPACITORS, N.O.S., plastic types (these are good ones!), 600 volts - .01, .02, .03, .047, .05, .4 mfd. All \$17.50 per hundred PPD. Also 2600 mfd. at 20 volts - \$1.00 each. Most auto, farm, portable radio vibrators in stock. 1930 - 1954 ATR vibrator books - \$3.00 each PPD (contains \$300 worth of model I.D. info!). Jim Farago, P.O. Box 65701, St. Paul, MN 55165

WANTED: Pre-1930 Gilfillan radio, preferably battery set. I will arrange shipping. Alan Brehaut, 22A Cain St., Timaru, New Zealand

WANTED: Light bulbs, particularly with plaster of paris base insulation and tip. John Wenrich, 245 Bakerdale Rd., Rochester, NY 14616

FOR SALE: Want to play those old radio programs (on records, tapes or cassettes) through your favorite old radio? I offer a tiny, tunable, AM broadcaster that does it all, even on car radios! They are only \$11.00 Postpaid. Send large SASE for monthly sale list of old radios, etc. (current months sent with broadcaster). Stan Lopes, 1201-74 Monument Blvd., Concord, CA 94520

WANTED: 1934 Zenith model 835, large table model with chrome grill. Jim Shirreff, 414 Forest, Oak Park, IL 60302

WANTED: Wireless radio books before 1920. Also Boys wireless radio fiction books such as: Radio Boys, Radio Girls, Ocean Wireless Boys, Young Wireless Operator, Tom Swift series, etc. Jerry Bennett, 3980 Pineview Dr., Smyrna, GA 30080

FOR SALE: Eight page list of radio items for sale. Service data, parts, tubes, plus more. Send large SASE for list, have other items, write wants & SASE. F. Krantz, 100 Osage Ave., Somerdale, NJ 08083

CLASSIFIED ADVERTISEMENTS

WANTED: Repwood radios, unusual cathedrals, Zenith "Waltons" radio 9S232 or 12S232, Emerson celluloid tombstone. Bill Moore, 5014 Rickwood Ct., Huntsville, AL 35810

WANTED: Model "Y" power unit for an AK-36 (above S/N 2,610,000). J. Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570

FOR SALE: Console radios from the 1920's - 1930's, beautiful condition! - Zeniths, Philcos, Apex, Bosch, Majestic, Sparton, Freshman Masterpiece, A.K. in Kiel table (near mint). Must pick up. George Friedrich, 7162 Lake Jacqueline, Custer, WI 54423 (715) 592-4901

FOR SALE: Crosley 51 - \$75 (later version w/amp switch at the bottom); RCA Radiola 24 - \$120 (has built in horn, loop is missing); many bulb shaped tubes; phono cartridges for late 30's & 40's 78's. Send large 2 stamp SASE for complete and up-to-date photo list. Ron Boucher, 376 Cilley Rd., Manchester, NH 03103 (603) 669-1698

WANTED: QST Magazines - 1, 2, 3, 6, 8, 12 for 1920; 1, 2, 4, 8, 10, 12 for 1921; 1, 2, 9, 12 for 1922. Ed Phillips, 408 N. Alabama St., San Gabriel, CA 91775

WANTED: Manual for PACO Model T-60 tube tester. A.C. Preston, 13 Myrtle Ave., Newburyport, MA 01950

FOR SALE: Hammarlund HQ-180, near mint, with manual - \$85. C.W. Johnson, 34 Springlake Pl. N.W., Atlanta, GA 30318 (404) 355-6308

WANTED: Pre-war T.V., direct view console for cash. Bill Berger, 29 E. 12th St., New York, NY 10003 or call collect (212) 929-1830

FOR SALE OR TRADE: Hundreds of QST's - \$2.00 each and SAMS Photo Facts \$5.00 each, plus postage. David Shanks, 115 Baldwin St., Bloomfield, NJ 07003

WANTED: Canadian version of Crosley 51 with DeForest decal on lid, also early Crosley such as Ace, Harko, etc. Please state condition and price in first letter. Brain Rhodes, 90 Frances Ave., Stanhope, NJ 07874

FOR SALE: 1950 RCA-Victor Model 6T-71 console (Allison) in good condition. Needs electronic repair, \$50 or best offer. Pick up only. Fisher KM-60 FM tuner, very good & working, no cabinet - \$25 plus shipping. L.B. Zimmerman, 8448 No. Harding Ave., Skokie, IL 60076 (312) 674-0345

WANTED: Pair of good audio transformers for Grebe Synchronphase MU1. J. Rauch, 215 S. Lombard Ave., Lombard, IL 60148

CLASSIFIED ADVERTISEMENTS

WANTED: Pre-1926 Radio Guide, American Radio Journal, Radio Dealer. You wouldn't believe what I'd swap for some of these. Alan Douglas, Box 225, Pocasset, MA 02559

FOR SALE: Picture price list of items for sale, send long SASE to: John Martin, 817 Cook Ave., Billings, MT 59101 (406) 252-4287

WANTED: Following AK cathedrals: Models 90, 92, 165 and 944. **TRADE:** Radiola's X, IIIA Deluxe, Senior; Kodol; Crosley 51 wood front, and various AK breadboard parts, to include parts for AK 5. Jerald Hueber, 1002 Cedar St., Bonham, TX 75418 (214) 583-7261

FOR SALE: Flader decade radiation counter, mint with original papers; Bishop calculating recorder Model "O", S/N #8672, patent 1910/13; Wurlitzer 2100, 200 play 45, very minor cabinet damage; Hunter Model 111 timer; Radiola 25 with good loop, refinished; Radiola 41 console cabinet only, mint, or will buy chassis & speakers; W.E. dummy line, rackmount; QST magazine 1936 thru 1966, solid in binders; Zenith VII, replaced doors; excellent Capehart console, S.W. & P.B.; four white Crosley porcelain sockets. **WANTED:** Any info on 6 tube, 1 dial, set Mfg. by Columbia of St. Louis, also need the plug coils for it. Need Radiola 104 speaker with amp. and power supply. John Myers, Box 98, Wilson, NY 14172

WANTED: Two knobs for an AirKing "Atlas" radio, 8-sided black plastic with round white center inserts. Westinghouse RADA or RC audio transformer. Cabinets for Audiola 13-T-5 and 1931 series 5 tube Junior cathedrals. **FOR TRADE** for interesting cathedral or mantel radio: 1932 Stewart Warner model R-110-AT, 10 tube dual speaker mantel radio, works fine! Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947 (219) 722-3612

FOR SALE: Philco 18 cathedral; excellent 1933 Philco #60 cathedral; Leak HiFi equipment, many other radios for sale. Send SASE to: Bill Moore, 5014 Rickwood Ct., Huntsville, AL 35810 (205) 859-4934

WANTED: Coca Cola and Mickey Mouse radio. Will pay cash or trade on crystal set. A. Nolf, 539 Kastelic Place, Ontario, Canada L7N-3R5 (416) 639-4768

FOR SALE: Beautiful color photo of "Ace Radio Repair" print as shown on October front cover of Antique Radio Classified. See my ad in October issue, page 16. Price of photo is \$15.00 PPd. Frank Krantz, 100 Osage Ave., Somerdale, NJ 08083

ANTIQUE RADIO CLASSIFIED
9511 SUNRISE BLVD., #J-23
CLEVELAND, OHIO 44133

CLASSIFIED ADVERTISEMENTS

WANTED: "Popular Mechanics" for Sept. 1936 and April 1938. Norman Crane, Box 12564, Tucson, AZ 85732

WANTED: Early telegraph keys and sounders, miniature keys, call boxes. Larry Nutting, 5957 Yerba Buena, Santa Rosa, CA 95405

WANTED: Chassis and speaker for Majestic 15 and Crosley 124. Doug Heimstead, 1349 Hillcrest Dr., Fridley, MN 55432

WANTED: AK "R" and "G" horn speakers, excellent condition only. Send photo and price. Mark Cowart, 1803 Mills Rd., Jacksonville, FL 32216

FOR SALE: Coca-Cola Cooler radio for sale or trade, very good condition, hums - \$225 plus shipping. Richard Arnold, P.O. Box 786, Ardmore, OK 73402 (405) 223-0330

WANTED: Black mouthpiece for transmitter on Western Electric candlestick telephone. Steve Roush, USFSR, APO Miami, FL 34022

WANTED: Instruction and/or service manuals for AK-84 cathedral. Also tube shield. Richard Arnold, Box 786, Ardmore, OK 73402

FOR SALE: AK-20 and horn, Philco 33B, AK E-2 speaker, Philco 65 plus Sandar cone speaker, Gloritone 27, Majestic 310A, Truetone swirled plastic set, Jack Armstrong radio premium. Gary Hill, 1507 Ridge Ave., New Castle, PA 16101 (412) 654-9335

WANTED: Original tuning dial for Philco 37-10 in excellent condition, or buy complete chassis. Antique Radio & Tube Co., 1725 West University, Tempe, AZ 85287

WANTED: Mirror and Bakelite radios in good condition. Especially interested in Addison company radios (ads and literature too). Photo (will return), condition and price in first letter. Arthur Axelman, 19652 Weeburn Lane, Tarzana, CA 91356

FOR SALE: One telegraph key and one telegraph receiver, dated Nov. 16, 1926. Russ Schoen, Rt. 1, Clintonville, WI 54929 (715) 823-6744

RADIO CLUB LISTING CORRECTIONS: In the list of Radio Clubs published last month please make the following corrections: The Indiana Historical Radio Society club dues are now \$8.00 instead of \$6.00. Also the date of their large meet at Auburn is in the Spring, not in the fall as stated. In the recent California Historical Radio Society bulletin there was a note stating the dues were to be raised to \$12.00 (from \$10.00). No other corrections reported as of October 2nd. GBS

CLASSIFIED ADVERTISEMENTS

FOR SALE: Scott Philharmonic (1938) in original Scott cabinet with all the bells and whistles. 30 tubes, remote control, phonograph and record cutter. Please call or write for full description. Will consider trade for Sparton mirrored radios. Refinders, 957 Green Bay Rd., Highland Park, IL 60035 (312) 432-8321

WANTED: Hallicrafters SX-62 receiver, good condition. Prefer working unit. David Oliver, 5351 S. Federal Cr., Littleton, CO 80123

WISH LIST: Atwater Kent items - horn speakers, various models; model E, E2, E3 speakers. Model 30, 32, 35 radios with tubes. Prefer mint or near mint condition, original finish, and fine working order. Please send description, price, photos appreciated. Will pay top prices. Gary Hillard, 967 Nottingham Lane, Crystal Lake, IL 60014

FOR SALE: New old stock tubes from the 1930's, still in original boxes, priced to sell, SASE for list. Ken Mays, 724 Swan Dr., Charleston, SC 29407 (803) 766-8451

FOR SALE: Riders #6 - \$10; Peerless cathedral shaped speaker - \$25; Sterling tube tester R-401 - \$20; Readrite #245 - \$15. Tubes, 80's, 01A's, 45's - \$6.00 each, 199's - \$8.00 each, 30's - \$4.00 each. **WANTED:** Chassis - Majestic 380, junker ok; a picture or photo copy from 1925 catalog of a Shamrock 2 tube reflex; a wiring diagram also if available. Three or four Crosley tube sockets and a book condenser(s), or a junker Crosley 51 or 52. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456

\$ STRONG BUYER \$

CASH for Radios & Parts

WANT all colors & styles by:

Motorola-Fada-Bendix

Dewald-Emerson-Gerod

Sentinel-Addison-Knight, etc.

MUST BE BAKELITE

ALSO Wanted: Pink, Blue &

Green Mirrored Spartons.

Deco & Mirrored Glass, &

Coca Cola Cooler Radios

Mark Honea, 13201 N.W. 81st

Parkville, MO 64152

\$ 816-891-2441 \$

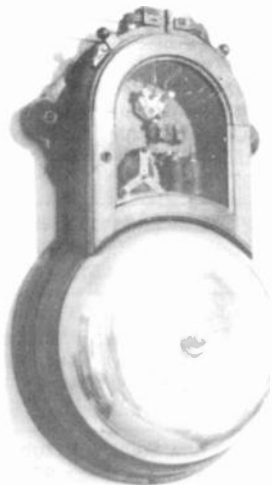
CLASSIFIED ADVERTISEMENTS

FOR SALE: Clinton blue mirrored; Stewart-Warner book radio; Crosley Repwood console; Super Tridyn; Green dial tombstone; Philco, RCA, Colonial, Echophone cathedrals; RCA "Magic Brain"; hundreds of original magazine radio ads - send brands wanted. **WANTED:** Riders volumes 18 to 23; mirrored radios, novelty radios; Grandfather clock radios; AC/DC 2-knob wooden sets. Jon Thurmond, 15006 Fuller, Grandview, MO 64030 (816) 322-0906

FOR SALE: 1949 Magnavox China cabinet TV-Radio-Phono entertainment center. A must for serious television collectors - \$2500; Radiola 64 - \$500; Atwater Kent 10-B breadboard complete - \$350; Art Deco Crosley cathedral - \$300. May consider all or partial trade for mirrored glass radios (condition unimportant). Ed Sage, 1781 Helene Ct., Benicia, CA 94510 (707) 746-5659

WANTED: 1934 Zenith model 835, large table model with chrome grill. Also want Air King plastic tombstone. Jim Shirreff, 414 Forest Ave., Oak Park, IL 60302 (312) 848-7142

FOR SALE: TUBES - new 2A7, 6A8, 6D6, 6L7, 22, 35 - \$2.50 each. WD-11 replacements - \$9.00 or 4 for \$32.50. VT5/215A - \$11.00. Many others, SASE for list. Electrolytics - 40 mfd. at 400 volts - 4 for \$2.00. Add \$1.75 plus 20 cents per tube shipping. J.R. Breivogel, Rt 2 - Box 803A, Beaverton, OR 97007



WANTED: Fire Alarm Telegraph Gongs and Signal Keys. Gary S. Carino, 805 W. 3rd, Duluth, MN 55806 (218) 722-0964

FOR SALE: DeForest DT-600 crystal set, excellent, original \$275; Philmore bakelite crystal set - \$50, other sets and parts. Jerry Finamore, Eagle Rock Village, Bldg. 25 - #3A, Budd Lake, NJ 07828 (201) 691-3386

CLASSIFIED ADVERTISEMENTS

WANTED: Bakelite radios, single or collections. Call or write with color photo. Victor Keen, 49 East 86, New York, NY 10028 (212) 841-6250 (weekdays)

WANTED: Horn only Magnavox CM-4; chassis and knobs LTATRO Cathedral K-54, M-54, NH-54; cabinet Escutcheon RCA R-73 complete junker OK; Victor 9-15 loop antenna and assembly; cabinet for Crosley V; Top lid for Crosley 50; AK-50; AK - Breadboard TA units, audios and RF transformers, type 11 tuner, tube sockets, long/short boards, etc.; AK cathedrals and tombstones. Bob Nicholson, 3423 Long, Topeka, KS 66605 (913) 266-9473

WANTED: Beitman Supreme TV manuals, 1949 and 1952, in good condition. Fred Emerson, 627 Illinois Avenue, Elgin, IL 60120

WANTED: Cabinets for Echophone V-3 slant front and Grebe CR-14. David McKenzie, 516 South Exeter, Eustis, FL 32726 (904) 589-0149

WANTED: Glass display radio, prefer factory made, cash or trade. Also want WW1 equipment, portables and early AC. Mel Rosenthal, 507 S. Maryland Ave., Wilmington, DE 19804 (302) 994-0874

WANTED: Glass selector dials (SW/STD), RCA T-60 Radio, part 27694-2, 3 x 6 1/2". A. McKenna, 6747 Golfview, Palos Heights, IL 60463

WANTED: Bakelite radios in color by Fada, Bendix, Addison, Sentinel, Gerod, Emerson, Dewald, Motorola, etc. Bill Harman, P.O. Box 6113, South Bend, IN 46660 (219) 272-8885

WANTED: Specific Products Company WWV/CHU type receivers, any model or condition. Parts for same. Gilbert Barber, P.O. Box 31654, Aurora, CO 80041

**CLASSIFIED AD
DEADLINE NOV. 10TH**

WANTED: Sparton radios, advertising, photographs, dealer's signs and displays; also anything pertaining to radio's Lone Ranger - radios, premiums, photos, etc. Karl Rommel, 737 Cloverleaf Rd., Lansing, MI 48906

WANTED: Wiring diagram and coil specifications for building an Audiotron receiving set. Also need a battery rheostat with porcelain base (like on the DeForest RJ-4). Andrew Mooradian, 5 Priscilla Ln., Winchester, MA 01890

WANTED: DESPERATELY need a pair of Crosley audios to complete a restoration. Eric von Grimmenstein, 1214 North Meridian St., Indianapolis, IN 46204

CLASSIFIED ADVERTISEMENTS

WANTED: Xerox or original of owners instruction folders for Masterpiece III, also Norelco Duo-View & RCA 9PC41 projection TV's. NO service info required. Also most pre 1964 transistor radio advertising. Also want Russian or other Communist block transistor portable radios. Need chassis to fit Majestic Charlie McCarthy cabinet. R.E. Lozier, 600 E. Green St., Monroe, NC 28110 (704) 283-2638

FOR SALE: Chicago Radio Laboratory (Z-Nith) catalog F-21 (1921?). Have a few extra copies that I photo-copied of the original. It shows the real early Z-Nith radios that are seldom seen anywhere. It is 47 pages in length and 5½ x 8 inches in size. Price is \$6.00 Ppd. Gary Schneider, 9511 Sunrise Blvd #J-23, Cleveland, OH 44133

WANTED: QST in permanently bound (sewn-in) volumes. Bound in maroon, six issues per book, two books per year, fancy QST logo on front. Need 1961-63 and most before 1946. Neil Freidman, 503 Kalmia, Boulder, CO 80302

FOR SALE: I am cleaning house! Thousands of receiving and transmitting tubes, transformers (audio, filament, power), electrolytics, resistors, potentiometers, etc. Must go - List available. **WANTED:** Type 6082, type 12DT6, Wunderlich 2.5 volt tube, ATR #340 vibrators. Please write: Coulter, Box 11-A, 1000 West Columbus, Bakersfield, CA 93301

WANTED: Dial lamp hood, volume control, three lid hinges, back for cabinet - all for RCA Radiola 18. Must be Vgd or better. Thank you, D. Combs, 6587 Pacheco Way, Citrus Heights, CA 95610

FOR SALE: Pick up only! Philco 116 - \$150, Philco 38-7 Chair Side radio - \$125, AK model "L" - \$50, Scott RBO 3 band receiver made for US Navy - \$40, TV sets - 10" to 12", all untested. **LIST AVAILABLE** Radios, tubes, parts, test equipment, service data, etc. Send SASE for list (large envelope please). Frank Krantz, 100 Osage Ave., Somerdale, NJ 08083

WANTED: Dial plate and knobs for Philco Model 20 cathedral, dial glass for Zenith 5S29 tombstone. Jack Shutt (219) 493-3901 after 5:00

WANTED: MIDWEST or MIRACO radios, Charlie McCarthy radio and horn speakers. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432 (612) 571-6062

BUYING Pre-1950 TV's - small screens, sets with channel #1, Predictas, Pilots, more wanted! Reflecting (mirror), projection, unusual TV's - paying \$20 to \$400. Please send make, model, condition. A photo helps. Harry Poster, Box 1883, South Hack., NJ 07606

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WANTED: Battery radio from these makes - A.C. Dayton, Radiodyne, or Eagle. I am especially looking for an A.C. Dayton! Please write Del Hamby, 8910 N.W. Lovejoy St., Portland, OR 97229

FOR SALE: RCA Radiola III instruction manual reprint - \$3.00 Ppd; Atwater Kent 32 - \$50; Garod V - \$50. J. Wasiewicz, 229 Sarles Ln., Pleasantville, NY 10570

FOR SALE: Supreme Diagonometer spiderweb plug-in coil. Red wood base four prong, good condition, \$20.00 ppd. Bruce Steller, Box 683, McMinnville, OR 97128 (503) 472-9716

FOR SALE: Parting out a Kellogg RFL Model 507. State your needs. \$1.00 plus UPS. Daniel Gaidosz, 342 West River Rd., Orange, CT 06477

WANTED: McElroy Super Streamspeed bug - chrome base; sideswiper key; cabinet for Radiola X. Price in first letter. Pat Stewart, 1404 Ruth, Walla Walla, WA 99362

WANTED: Info on 1936 table model "Junior" (W.M. Co.- No. 153754). Carl Reinke, 2724 N. 27th St., Sheboygan, WI 53081

FOR SALE: Radios, historical and service literature, and thousands of new and used tubes at discount prices. Send several first class stamps for the next several fliers. THE OLD RADIO PLACE, 616 Nelson Street, Rockville, MD 20850

WANTED: Serious Art Deco collector paying **\$1000.00 finders fee** for Sparton Model 1186 floor model mirrored glass radios, condition unimportant. Offer valid only on positive acquisition leads. Ed Sage, 1781 Helene Ct., Benicia, CA 94510 (707) 746-5659

FOR SALE: Old incandescent lamps (light bulbs). Send SASE for list. Serge Krauss, 141 Homan Ave., Elkhart, IN 46516

WANTED: Radio Premiums: Green Hornet, Buck Rogers, Radio Orphan Annie, etc. Also radio novelties (banks, tins, toys, radios, etc) from yesteryear and today. C. Watts, P.O. Box 422, Paris, Ontario, Canada N3L-3T5

FOR SALE: Two new 300B W.E. tubes in cartons, two new Jenkins & Adair 205 tubes in boxes, W.E. tube catalogue all specs #699; General Radio 608A Audio Oscillator; W.E. and other high grade audio transformers; 16 inch TT, also lathes. SASE for details. H.R. Kuhn, 1397 Washington Cir., Forestville, OH 45230

WANTED: General Radio manuals for 650-A, 1231-B, 1212-A, 1216-A, 1217-A & 1219-A. F.G. Suffield, 5875 Overlake Ave., San Diego, CA 92120

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FOR SALE: 1928 Eveready "3" with matching speaker. Beautiful condition. Table model with power pack. \$110 plus UPS. George Friedrich, 7162 Jacqueline Lake Lane, Custer, WI 54423

ATTENTION: The new issue (Vol. 1 #2) of the "Eliminator" is fresh off the press! Don't be the only collector in town without a copy. You can be an A.C. Radio Renegade too! For your free copy send a large SASE to: A.C.C.R., 3704 Bold Bidder Dr., Lexington, KY 40502

FOR SALE: Transistor radios, SASE for list. Serge Krauss, 141 Homan Ave., Elkhart, IN 46516

FOR SALE: Riders, Howard Sams; Crosley Vol. 1 - 1932 to 1936 - \$17.50; RCA Vol. 2 - 1938 to 1942 - \$20.00; Supreme 1926-1938 - \$9.00; plus others. Hallicrafters speaker & case (3), each \$25. High voltage coil with 2 condensers and 2 spark gaps from quack machine - \$40. Hammarlund HQ100-A SW receiver, works - \$70. Hallicrafters S-41-W - \$25. Lafayette HA52-A FM comm. rec. - \$30; Utah metal case speaker - \$22; RCA Portable P31 - \$150; Philco remote dial box (no Batt.) control - \$40; AK 47 power unit - \$30; Clough Brengle (old) signal generator, model OC - \$20; RCA WO57-B 3" scope - \$40; Waterman wide band pocket 3" scope, model S-14-B - \$40; Simpson 260 VOM - \$5; RCA TV-FM sweep gen., model WR69-A - \$40; EICO 610 tube tester adapter - \$7.50; RCA WV-87-B Master Voltohmyst, large meter - \$35; Hickok 203 VTVM - \$35; EICO 232 VTVM - \$10; EICO 221-CK VTVM - \$15; RCA Voltohmyst Jr. - \$15; NRI Model 11 VTVM - \$15; Philco tube tester (# 1B) - \$30. All untested, shipping extra via U.P.S. Have other tube testers, signal generators, etc. Frank Krantz, 100 Osage Ave., Somerdale, NJ 08083

FOR SALE: Attention Ye Olde Set Builders & Restorers, #12 square tinned bus bar - 12ft \$4.00, 24ft \$5.75, 36ft \$7.50, 72ft \$14.00. Limited supply of #11 black varnished spaghetti tubing - 6ft \$1.65, 12 ft \$2.91, 24ft \$5.35, 36ft \$7.60. Free samples with SASE. Andrew Mooradian, 5 Priscilla Lane, Winchester, MA 01890

WANTED: Info and advertisements on: Kolster "Power Cone", #C15085, uses two 50's & two 216B's, mfg. by Brandes Products Corp. Also Browning Drake Regenafomer Corp. 5R-#5512. And Columbia Radio Co., Inc., St. Louis, MO - 5 tube, 3 gang caps. Need three Crescent R.F., 4 pin, R.F. coils for above, both broadcast & SW. **FOR SALE:** Operadio speaker #1106, 2500 ohm field, mint cone. John Myers, Box 98, Wilson, NY 14172-0098

WANTED: National "Horizon 20" amplifier - cash or swap Criterion tubes. Charles Day, P.O. Box 205, S. Dartmouth, MA 02748-0205

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FOR SALE: Profusely illustrated 1929 radio catalog, S.S. Kresge Co., limited reprint \$3.00 plus 50 cents P&H. Pilot lights - #40, 42, 43, 45, 50, 292 - \$2.00 box, #48 - \$3.00 box + 50 cents P&H. Radiola III manual - \$2.75 + .50 P&H, exact reprint. Also "A", "B" & "C" battery eliminators - \$46 to \$110. Riders manuals, N.O.S., Vol. 17 - \$20, #10 - \$18 plus P&H. Others write wants, send large SASE for info. Clinton Blais, 613 Juniper Dr., O'Fallon, IL 62269

WANTED: National SW-3 bandspeed coil, set number 65A (110 meters). Charles Kosciwicz, 489 N. 30th Rd., LaSalle, IL 61301

FOR SALE: Vacuum Tube Collection 1925 to 1950. About 2000 tubes, 1/2 N.O.S., rest good-used. Plus original display cabinets (metal) and misc. All for \$1500 or ?... Russ Ofria, Box 613, 9514-9 Reseda Blvd., Northridge, CA 91324 (818) 701-6181

WANTED: Coils for Grebe CR-18, original instruction book for Westinghouse AR-RT-RA-DA. Art Albion, 440 69th St., Niagra Falls, NY 14304

FOR SALE: Brass & regular 01A's, 5 tipped, also UX & UV 99's and WD-11's. Send SASE. Bud Bedker, 66 Cloverside Ct., West Seneca, NY 14224

FOR SALE: Philco 84, hums, needs refinished - \$85; Audiola Jr., needs filters + good restored - \$80; Steinite #4, needs power xfmr and grill cloth - \$70. **NEED** Philco 70 chassis only. Joe Szabat, 412 Main St., Coraopolis, PA 15108 (412) 264-7498

WANTED: Drake 2A receiver, 2AQ Q-Multiplier. Please reply with price & condition to: D. Noon, VE3IAE, 19 Honeysuckle Cr., London, Ontario, Canada N5Y-4P3

FOR SALE: TUBES - 76, 80, 6J5 - \$2.00 each; 6L6, 5881, 6SC7 - \$3.00 each. Advise needs of others. M. Levy, 101 East Driftwood #26, Fredericksburg, TX 78624

WANTED: Philco TV, table model #51-PT1207/8 or 51-PT1234/84 or any set using the 12WP4 CRT. Sonny Clutter, (503) 254-9296 Res. or 233-9403 Bus.

FOR SALE: Ak 35, good working condition, tubes included - \$85 plus 10Lbs; Zenith 8G005, horseshoe wavemagnet, restored - \$75 plus 20 Lbs; Restored Hallicrafter SX-42, spkr, manual - \$250 plus 60 Lbs; Frequency counter BC-221AA, charts, poor shape - \$15 plus 10 Lbs. List available. Sue Coulter, Box 11-A, 1000 West Columbus, Bakersfield, CA 93301

WANTED: Any non-chrome Scott or World's Record radio, buy or swap. Jim Clark, 1006 Pendleton Dr., Lansing, MI 48917 (517) 323-9595

CLASSIFIED ADVERTISEMENTS

WANTED: Instructions for using model 7050 Philco tube tester. Also schematic for Marconiphone radio model 104 "A" (Canadian). F. Estree, 660 Fineview, Kalamazoo, MI 49007

WANTED: Steinite table model tombstone and cathedral type radios. James M. Seal, 3309 Boatman's Mt. Rd., Morristown, TN 37814

FOR SALE: 1946 DuMont TV/Radio, exc. condition, not working, \$45 or best offer, can not ship. Thomas Fuller, 96 Cocasset St., Foxboro, MA 02035

FOR SALE: Atwater Kent rubber stamp, \$5.95 Postpaid. Radio Activity, 3453 Balsam NE., Grand Rapids, MI 49505

WANTED: Picture of a finished 1925 Shamrock 2 tube reflex set with crystal detector. Should be in a 1925 radio supply company ad. Also a schematic for it, and a cabinet for a 7" high, 12" wide panel, 6 3/4" deep min. Any and all appreciated. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456

TRADE: My Crosley Buddyboy repwood set, exc. condition, for your nice AK electric table model radio. J. Kern, RD #2, Box 458, Quakertown PA 18951.

NOTICE: DO YOU HAVE A PRODUCT OR SERVICE YOU PROVIDE TO THE RADIO COLLECTING HOBBY. ACCEPTING ADS NOW FOR A FUTURE ISSUE OF A.R.C.'S "WHERE TO FIND IT" COLUMN. SEE OCTOBER 1984 ISSUE FOR EXAMPLE ON PAGE 11. (GBS)

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GENERAL INFORMATION

The West Virginia Chapter of the Antique Radio Club of America would like to thank each of you for your support of what we think is the most complete library of books currently published for the historian, collector or those individuals interested in nostalgia. We have made every effort to insure that the quality of the publications we sell are of the very best that can be printed.

You may wonder how the profits from this venture are used. The number one aim of our chapter is to further the cause of the preservation of radio and its related documentation. With this goal in mind a division of historical radio display was opened to the public on September 14, 1985 in Ashland, Kentucky. The Kentucky Highlands Museum Society, Inc. has granted us exposition space in what we believe to be one of the finest settings in this part of the country. We hope to expand this project into the largest historical radio display open to the public anywhere. If you would like to support in any way this very costly and time consuming endeavor, please contact Tom Resler - Treasurer, 2643 Larwood Drive, Charleston, WV 25302.

The following are our new book additions:
The Continuous Wave, Technology and American Radio, 1900 - 1932, by Hugh G. J. Aitken, 588 pages - \$19.95; *Syntony and Spark*, The Origins of Radio by Hugh G. J. Aitken, 368 pages - \$13.95; *Taylorvision*, The Story Scanning Disc Television by Edmund E. Taylor, D.Se.E.E., 52 pages - \$4.95. Please add \$1.00 postage, if order is under \$25.00. Please order from: The Antique Radio Club of America, Inc., The Charleston West Virginia Area Chapter, 4204 Thorn Apple Lane, Charleston, WV 25312. (See our full page ad elsewhere in this issue)



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Radio Equipment & Supplies - 168 page reprint	12.50
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Crosley Radio Catalog, circa 1923, 32 pages	4.00
Westinghouse Apparatus, circa 1920's, 8½ X 11	4.00
Donate Less To The IRS (a must for every collector)	6.95
How To Repair Old-Time Radios	7.95
Vintage Radio Handbook, 263 pages, 1000 illus.	9.95
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