



# ANTIQUE RADIO CLASSIFIED



VOLUME 3

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NUMBER 12



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 at annual subscription rates of \$18.00 for Second-Class mailing and \$24.00 for First-Class mailing, by John V. Terrey, 498 Cross Street, P.O. Box 2, Carlisle, MA 01741. (617) 369-9770 (9 a.m. to 9 p.m.). Second-class postage paid at Carlisle, MA. © Copyright 1986 John V. Terrey. POSTMASTER: Send address changes to A.R.C., P.O. Box 2, Carlisle, MA 01741.

Publisher and Editor - John V. Terrey  
Assistant Editor - Gary B. Schneider  
Founding Publisher/Editor - Gary B. Schneider

## 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.

## Display Ad Rates

Antique Radio Classified accepts display advertising from companies that provide a product or service to the radio collecting hobby. As artwork is reduced 35% when printed, original should be 1.54 times the desired finished size and must be camera ready artwork. Original size areas are available as follows:

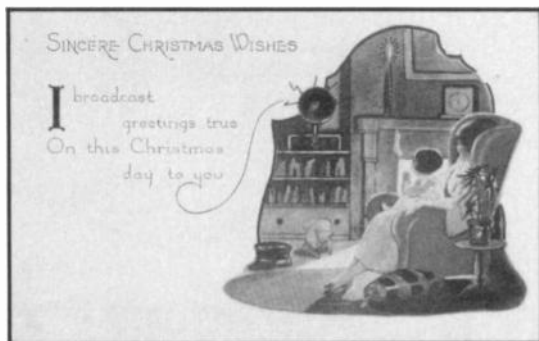
Full Page	10-1/2" H x 7-1/2" W	\$45.00
Half Page	5-1/4" H x 7-1/2" W	22.50
1/4 Page	5-1/4" H x 3-3/4" W	11.25
1/8 Page	2-5/8" H x 3-3/4" W	5.75
Business Card	1-5/8" H x 3-1/4" W	3.90

Full page ads may be vertical or horizontal format. Multiple insertions for 3 months qualify for a 10% discount.

All artwork must be received by the 1st of the month to be included in the following month's issue.

## ON THE COVER

Early radio post cards provide another novelty sideline for the radio collector and the cover for this month's Antique Radio Classified. Post cards show how the radio craze spread throughout so many aspects of life in the 1920's. Even Santa has his set and can receive Christmas lists by radio. Another example is the postcard on the right which shows Christmas greetings being broadcast by radio. More post cards are illustrated in this issue's Collecting Radio Novelties Column.



## Classified Ads

Each subscriber is entitled to one 20 word classified ad free of charge per issue. Additional words over the limit are 10¢ per word. Multiple insertions of same ad are discouraged. This is to allow for a varied ad content in each issue. Multiple insertion ads for more than 2 issues must be run as a display ad. All ads must be printed neatly and be received by the 8th of the month before next issue. See classified ad details elsewhere in this issue.

## Payment

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

## Subscription Rate

Subscriptions are available on a yearly basis, \$18.00 per year Second Class and \$24.00 First Class mailing rates. Sample issues: \$2.00.

## Submission of Material

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.

## Change of Address

Notification of change of address should be made well in advance to receive uninterrupted copies of Antique Radio Classified. Do not depend on the Post Office to let us know.

## Fine Print

The publisher is not responsible for any buying and selling transactions incurred by readers thru the content of this publication.

Antique Radio Classified subscription and ad rates subject to change, as well as frequency of publication, content, and size.



## EDITOR'S COMMENTS

With this issue, Antique Radio Classified grows to 32 information and ad-packed pages. The extra pages are the result of this month's 190+ classified ads and additional display ads. As you can see by the cover, A.R.C. is celebrating this growth as well as the holiday season with a splash of color on the cover.

A new series of articles is introduced in this month's issue: Collecting British Crystal Sets by Howard Stone. By the time you have read the entire series, you too may be collecting those sets with the BBC seal. The promised Magazine Value Guide is included along with articles on the A-K Models 3 and 4, the Defiant (an English set) and the Grebe Synchronphase. Short notes describe unusual Winchester and Ozarka sets. The Collecting Radio Novelties Page shows early radio as depicted on early post cards. The Photo Review will be back next month.

Club activities seem to have rebounded for the winter months; club information fills a page. A note to clubs: send in an advance notice now of those Spring and Summer meets to get a free, early mention in A.R.C. (All of the information on the club news page is published, as space permits, without charge to the clubs.)

A suggestion when writing A.R.C.: your letters, ads, renewals, etc. are handled faster and more efficiently if (1) you put each on a separate page or card ... and (2) if you put your name, address and Sub# on each. Also, if you are changing your address, *please* also send us your old address.

When sending in your classified ad, please remember to include the 10¢ per word for the words over your free twenty words (cash or stamps are OK for small amounts). The small amounts add up and help to keep A.R.C. going.



Volume 3 of Antique Radio Classified is now complete. All measures show A.R.C. growing. Thanks to all of you for your support of A.R.C., especially this fall, when I became publisher. With your continued support, A.R.C. can only get better.

*I WOULD LIKE TO WISH  
ALL OF YOU  
A JOYOUS HOLIDAY SEASON  
AND  
BEST WISHES  
FOR A HAPPY NEW YEAR.*

*JOHN V. TERREY*

## MISCELLANY

This is the last issue for those with EXP = 8701. If your subscription has expired, please send a check to A.R.C., P.O. Box 2, Carlisle, MA 01741. Rates for one year, twelve issues are:

\$18.00	U.S. Second Class Mail
\$24.00	U.S. First Class Mail
\$24.00	Canada & Mexico
\$33.00	Other Foreign, Air Mail

### TUBE VALUE GUIDE SURVEY

Over the next several months, A.R.C. will be conducting a tube value survey. Send a SASE to A.R.C., P.O. Box 2, Carlisle, MA 01741 for your survey form. Results will be published in a future issue. Thanks goes to those of you who have already sent for your survey. The forms will be sent out in a few weeks.

### CLASSIFIED AD CLOSING DATES

January, 1987 Issue	<b>December 8</b>
February, 1987 Issue	January 10
March, 1987 Issue	February 10

Display ads close on the first of the month. Typesetting is encouraged for display ads and, if requested, costs only 1/2 of the first month's rate. Business card ads also can be typeset. Late ads are accepted if time and space permits.

## WOOPS!

In the October 1986 A-K Breadboard Review, the A-K Model 2 is incorrectly identified as Part No. 3925. The correct Part No. is 3945.

In the Statement of Ownership published in the November 1986 issue, the Publication No. is incorrectly shown as 3750-7471. The correct Publication No. is 8750-7471.



# COLLECTING BRITISH CRYSTAL SETS



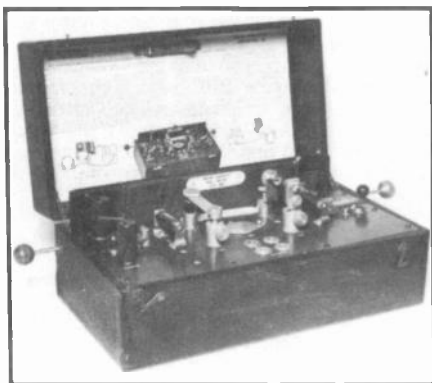
*Collecting British Crystal Sets is a multi-part series of articles designed to acquaint the reader with this specialized aspect of the radio hobby, one that many collectors find interesting due to the many unusual types of sets produced in England. The author, Howard W. Stone, welcomes additional comments or information concerning British Crystal Sets. When writing please enclose a S.A.S.E. for reply. Howard W. Stone, 2825 6th Avenue, Fort Worth, Texas 76110... (Copyright 1986 - Howard W. Stone)*

## PART I. THE BRITISH CRYSTAL SET

It has always baffled me why one radio collector hoards Bakelite midgets and another values Scotts. Why does any collector prize a particular class of receiver? Personally I am fascinated by many types of radios, both young and old. I have specialized in American one-tube receivers of the early twenties. But I have another passion, one my wife can approve (or at least tolerate!): I *adore* British crystal sets. Those sometimes primitive, sometimes complex sets of the United Kingdom have captured my fancy. Over the next few months I would like to share a little about these sets that have so captivated me. Maybe you will catch some of my enthusiasm.

Although Marconi's company broadcasted experimentally from their Chelmsford works in 1920, it was not until 1922 that broadcasts were permitted in England. One-half hour per week, Tuesday evenings from 8:00 to 8:30, station "Two Emma Toc" beamed out on 200 watts. It was manned by Captain Peter Pendleton Eckersley from a wooden hut at Writtle in Essex. Several months later, November 14, 2L0 - the first station of the newly-formed BBC - began broadcasting from the Marconi house in London. Wireless in England was off and running; the ether abounded with radio waves.

In Britain the Postmaster General governed radio, or "wireless" telegraph and telephony, in those early years. Concerned about the proliferation of new stations in 1922, the Post Office put all of its power over public radio waves into the hands of one authority: the British Broadcasting Company (after 1927 the British Broadcasting Corporation). Thereafter all radio stations were built and operated by the BBC. Furthermore, all radio sets, tubes, and major accessories such as loudspeakers were subject to the Post Office's approval. The sale



**MARCONIPHONE "CRYSTAL A"** - Type RB3 M2, by Marconi's Wireless Telegraph Co. Ltd., November 1922 (chassis made by Plessey, Holloway). BBC/PMG stamp, GPO Reg. No.101. Earliest examples, devoid of both BBC/PMG stamp and GPO Reg. No., were released between August and October 1922. A crystal set designed for headphones use features a carborundum/steel detector (polarized by a 1.5v cell) plus open cat's whisker/galena detector, slot-in range blocks for various wave ranges, spade tuning controls, nickel-plated fittings, black ebonite control panel, ivory badge with the initials "MWT" (Marconi's Wireless Telegraph Co. Ltd.) set into a recess in the top of the rexine covered wood case. Size is 5½ x 11 1/5 x 6½ inches (closed), cost 9.10s.0d Pounds including headphones, aerial and earth wires. Spare crystals, a range block and instructions are housed in the lid. A smaller version, the "Crystal Junior", appeared at the same time.

In November 1925, a parcel of 15,300 "Crystal A" and "Crystal Junior" crystal sets were acquired by J.M. Millet & Sons of Southampton who simply pasted on their own labels and instructions and sold them to retailers as the "Millet A" and the "Millet Junior", price 17s.6d and 12s.6d respectively, less 33⅓ percent for lots of 100. (Photo courtesy Jonathan Hill, England.)

of unapproved equipment was not permitted. One major requirement for approval was that the set had to be of British manufacture made by a member firm of the BBC.

Although this may have been a problem for some American manufacturers who would gladly have exported their sets, it is a boon for present-day radio collectors. All factory-built radio sets between 1922 and the middle of 1924 had a BBC seal and a Post Office registration number affixed to them. The seal carried the inscription "BBC Type Approved by Postmaster General" (see Fig. 1). This is a great help in dating sets and in differentiating "home brew" from commercial radios.



Figure 1:



Figure 2:

After the middle of 1924, Post Office approval was no longer required, but until January 1925, when the stamp was abolished, all manufacturers still had to exhibit a BBC stamp on their sets to show their British origin. The new official stamp read, "BBC Entirely British Manufacture" (see Fig. 2). This stamp was used until sometime in 1927. From late 1924 a third but little-used stamp showed up on a few receivers without any peripheral wording—simply the BBC trademark (see Fig. 3).



Figure 3:

Not only did the Post Office license stations and approve equipment, it also charged you to use your set. Listeners had to purchase a ten-shilling license each year. Half of the license fee went to the BBC for operating expenses.

*BROWNIE No. 2 - by Brownie Wireless Co. (of Gt. Britain) Ltd., September 1st, 1925. Crystal set for headphone use, glass-enclosed cat's whisker/galena detector (Brownie D.L.5), MW, swinging-arm slide-coil tuning control plus Daventry 5XX long-wave plug-in coil, nickel-plated fittings, black moulded ebonite case. Size is 4½ x 6 x 5¼ inches, cost - 10s.6d. A matching 2-valve amplifier (note Magnifier) came out in 1926. (Photo courtesy Jonathan Hill, England.)*

Most Britishers began exploring the mysteries of wireless with crystal sets. Although they were used in America as well, they never reached the widespread acceptance enjoyed in Great Britain, where crystal set users outnumbered those with tube sets by four to one during the first half of the 1920's. For early wireless in England, it was *the* set.

I think several reasons can be given for the popularity of crystal sets in the United Kingdom. First of all, they were inexpensive in comparison to tube sets. They required a smaller initial investment and little or no operating costs. This was significant because the British, though by no means impoverished, were less affluent than their American cousins in the Roaring Twenties.

A second reason for the greater use of crystal sets in Britain was the general adequacy of these sets for receiving a local wireless station. A crystal set was able to receive stations as far away as 10-25 miles, depending upon the quality of the antenna and ground as well as the efficiency of the set itself. Since Britain is about the size of Oregon in area, a small number of stations strategically placed in large population centers could easily serve the bulk of the people. By the mid 1920's, most large metropolitan areas had a BBC station, so the majority of the British people could hear the BBC even on a crystal set.

(Continued)



(Collecting British Crystal Sets, continued)  
In the latter part of 1923 the following stations were operating:

STATION	CALL SIGN	METERS
Cardiff	5WA	353
London	2LO	363
Manchester	2ZY	370
Bournemouth	6BM	385
Newcastle	5NO	400
Glasgow	5SC	415
Birmingham	5IT	420
Aberdeen	6BD	495

**TIMES:** 3:30 to 4:30 P.M. (except London) and 5 P.M. to 10:30 P.M. London: (day transmission) 11:30 A.M. to 12:30 P.M... **SUNDAYS:** 8:30 to 10:30 P.M. (London also 3:00 P.M. to 5:00 P.M.)

A final reason for the crystal set's popularity in Great Britain was that its lack of selectivity mattered little, for in almost all areas of the U.K. there was only one station. When, at the end of 1926, the BBC began experiments with 2LO and another station in London on wavelengths only 100 meters apart, it was the death knell for the faithful and beloved crystal set, whose users heard both stations at once. Only tube sets could separate stations; soon crystal sets were obsolete and brought hardly a "ha'penny" in trade. (Howard W. Stone)

Pictured this month are a few of the more common sets likely to be found by a radio collector in Great Britain. (GAS)

## Radio! Radio!

By Jonathan Hill

A Brief Look at a New Book ...

Just a few days ago I received my copy of Jonathan Hill's new book, *Radio! Radio!* Although I was impressed with the proofs of the book when I saw them at the September A.W.A. meet, the final product was even more impressive: a book 8-1/2" x 12", 242 pages, and over 900 photographs.

A.R.C. readers are getting a preview of

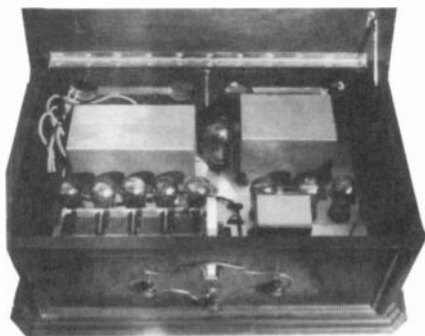
*Radio! Radio!* in Howard Stone's series on Collecting British Crystal Sets. The photos in that article are from *Radio! Radio!*

*Radio! Radio!* is a chronological look at the growth of radio broadcasting from the early wireless days to the 1960s. Photos of sets abound. The chapter on the 1920s includes individual photos of 226 sets; 346 sets are shown for the 1930s. This is in addition to hundreds of other photos including the earlier and later years.

A full review will be forthcoming in a future issue of A.R.C. (John V. Terrey)



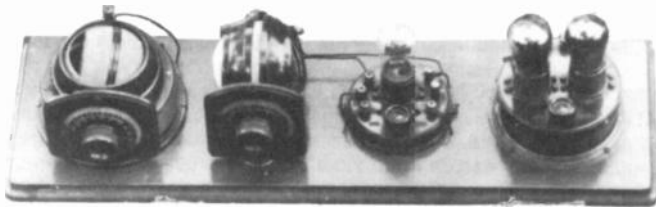
**WINCHESTER** – The Winchester radio pictured is a nine-tube TRF chassis with the following listed tubes: four stages of balanced R.F. (326's), one stage of detection (327), one stage of A.F. (327), two stages of A.F. in push-pull (371's), and a 380 rectifier. In the General Motors Radio Corp service manual it lists Model 5069, then jumps to 5076. The metal name tag on the chassis was marked Model No. 5069, the 69 part of the number showing very weakly, over the 69 is stamped 70 very heavily making it a 1928 model of special listing. This Winchester radio was made for Winchester Repeating Arms Co., New Haven, Conn. If anyone has additional information on this radio, contact: *John Martin, 817 Cook Ave., Billings, MT 59101. (406) 252-4287.*



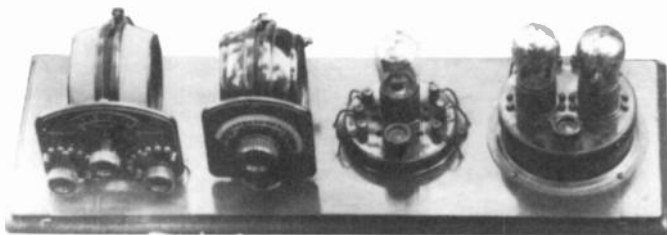
# A-K BREADBOARD REVIEW

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

*The Atwater Kent "breadboard" review is an attempt to present in pictorial form each month some of the many variations of models produced. This will enable the collector to help identify the breadboards he may possess. The photos appearing each month are all reproduced on the same scale, so that variations in size can be visualized. Questions or comments concerning this column may be directed to: Ralph Williams, RD 1 - Box 44, Orient, NY 11957. A stamped self-addressed envelope is required for reply.*



**ATWATER KENT MODEL 3 - PART NO. 3960:** In 1923 when the Atwater Kent factory produced their first fully assembled receivers, the market was uncertain. Some fans wanted to build their own; some wanted finished sets and still others wanted to progress from a simple one-tube to a more complex set as he could afford to upgrade. Set No. 3960 made upgrading practical. It was sold as a simple detector with a Coupled Circuit Tuner to match the antenna and was designated No. 3955. The purchaser could add a Variocoupler to make the set regenerative (although AK did not sell the instrument for that expressed purpose). Later the Two-tube Amplifier could be added to produce loud-speaker volume. Without the Variometer, but with the Two-tube Amplifier, the set was designated No. 3960. Because it was the third set in the initial series it is sometimes called the Model 3, but no factory documentation for the model number has come to light. Both Part Numbers, 3955 and 3960, were built on the same size board, 8½ x 26½ inches.



**ATWATER KENT MODEL 4 - PART NO. 3975:** Getting a little more output from an early radio was continuing struggle in the times that marked the beginning of broadcasting. Coaxing the antenna signal into the detector was an important part of the art. Set No. 3975 used a Variocoupler instead of the Coupled Circuit Tuner of its predecessors, in part because it permitted a better match between the antenna and the rest of the input circuit. Number 3975 was sold without the Variometer so the input matcher was important. It had to provide good transfer over a moderate frequency band with all sorts of antennas. A particular radio fan would have been better off to spend his efforts on a long-wire antenna high above the ground. But, the average fan chose instead to use the input variable inductor to raise his efficiency. This gave Atwater Kent the opportunity to offer No. 3975 and thereby increase his penetration of the market. The set was very similar in appearance to No. 3960, having the same size board and the same instrument arrangement. No indication of there having been a single-tube version has turned up. Only the full-up three-tube version is described in the number system.

(GBS)



# COLLECTORS VALUE GUIDE

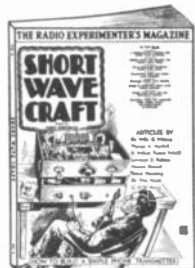
**MAGAZINE VALUE GUIDE:** This month's Value Guide is a departure from our normal listing of radios and other "hardware" items. Collecting magazines ("software") and other paper items is very popular among collectors and also deserves attention. The collector of radio, TV, electronics, and electricity magazines has a choice of over 65 different titles from 1900 to 1954. This Value Guide will cover some of the earlier magazine you may encounter.

And now a few words about the prices listed: (1) The condition of the magazines are to be considered in good or average condition - normal wear, both covers intact, no cover tears, no water stains, no missing pages, no dirty covers, slight spine cracking acceptable... (2) The values listed are an average of all those collectors who participated in this value guide. Individual collector values that were not in the normal range (exceptionally high or low) of the others were discarded in the averages... (3) To condense this listing, magazines were grouped into "year groupings". Thus one must consider that a earlier copy of a magazine in a year grouping would be worth more than a later copy... (4) No special attention was given to first issues (Vol. 1, #1), special issues, or those which may have more content - ie, Christmas season issues normally have more pages. These special issues would in most cases be worth more... (5) When using this guide remember these prices are for an average, good condition magazine. If you have a fair or excellent copy, prices will have to be adjusted accordingly. Usually magazines that are in less than good condition (except rare issues) will show a large decrease in value and are not considered worth collecting. They are normally kept as "fillers" until something better can be found... (6) And above all - remember these prices are only a guide. It is normal for many collectors to pay much more for a magazine if it is their intent to complete their collection. Likewise those collectors who may have a casual interest in magazines may consider these prices extremely high. As no other magazine survey has ever been done in the hobby before, A.R.C. hopes you find this difficult undertaking in the way of time and effort of practical value to you - Gary Schneider.

The following collectors participated in this value guide: *William Condon, Alan Douglas, James Kreuzer, Frank Krantz, Floyd Paul, Randall Renne, Gary Schneider, Fred Schultz, Ken Stryker, John Terrey, Ralph Thorn, Paul Thompson, Rich Wolven, and Joe Willis.*

## RADIO MAGAZINE VALUE GUIDE

MAGAZINE	YEARS	VALUE	MAGAZINE	YEARS	VALUE
Radio News	1919	\$21.75	Wireless Age	1913-15	16.00
Radio News	1920-21	15.00	Wireless Age	1916-19	11.25
Radio News	1922-23	8.50	Wireless Age	1920-25	7.00
Radio News	1924-25	7.00	Electrical Exp.	1913-15	10.75
Radio News	1926-27	5.00	Electrical Exp.	1916-18	8.25
Radio News	1928-29	3.75	Electrical Exp.	1919-20	6.75
Radio News	1930-32	3.00	Science & Inv.	1920-23	5.75
Radio News	1933-35	2.50	Science & Inv.	1924-26	4.25
Radio News	1936-39	2.25	Science & Inv.	1927-31	3.25
Radio News	1940-48	1.00	Modern Elect.	1908-10	16.25
Radio Broadcast	1922-24	7.75	Modern Elect.	1911-14	12.00
Radio Broadcast	1925-26	6.25			
Radio Broadcast	1927-28	4.75			
Radio Broadcast	1929-30	3.50			
Popular Radio	1922-24	7.25			
Popular Radio	1925-26	6.00			
Popular Radio	1927-28	5.25			
Radio Journal	1922-25	6.00			
Pacific Radio	1917-19	14.75			
Pacific Radio	1920-21	10.25			
Radio Magazine	1921-23	8.00			
Radio Magazine	1924-25	6.25			
Radio Magazine	1926-29	4.25			
Radio Magazine	1930-39	2.25			



Continued next page...



# COLLECTORS VALUE GUIDE

MAGAZINE	YEARS	VALUE	MAGAZINE	YEARS	VALUE
Short Wave Craft	1930-33	3.75	Radio Topics	1921-24	6.00
Short Wave Craft	1934-38	3.00	Radio Age	1922-24	6.25
Radio Craft	1929-30	4.25	Radio Age	1925-26	5.25
Radio Craft	1931-34	2.75	Radio Age	1927-28	4.00
Radio Craft	1935-39	2.00	QST Magazine	1915	129.00
Radio Craft	1940-45	1.00	QST Magazine	1916	26.50
Radio Craft	1946-48	1.00	QST Magazine	1917	22.75
Radio Retailing	1925-26	11.00	QST Magazine	1919	18.75
Radio Retailing	1927-29	7.25	QST Magazine	1920-21	9.00
Radio Retailing	1930-34	4.50	QST Magazine	1922-24	5.50
Radio Retailing	1935-39	3.50	QST Magazine	1925-26	4.00
Radio Retailing	1940-49	2.00	QST Magazine	1927-29	3.00
Radio In Home	1922-23	6.00	QST Magazine	1930-39	1.75
Radio In Home	1924-26	4.25	QST Magazine	1940-49	1.00
Radio Engineering	1924-28	3.75	Practical Elect.	1921-22	9.00
Radio Engineering	1929-37	2.75	Practical Elect.	1923-24	6.75
Service Magazine	1933-36	1.75	Experimenter	1924-26	4.50
Service Magazine	1937-40	1.25	Radio World	1922-25	3.75
All-Wave Radio	1935-38	2.50	Radio World	1926-29	2.75
Short Wave Radio	1933-34	3.00	Radio World	1930-34	1.75
Radio Today	1935-39	2.00	Radio World	1935-39	1.50
Modern Radio	1931-33	2.25			(GBS)
Television	1927-28	18.00			
Television News	1931-32	12.25			
Citizens Radio	1923-25	8.50			
Citizens Radio	1926-28	6.25			
Citizens Radio	1929-31	4.50			
Radio Listeners	1926-28	6.00			
Radio Review	1925-28	5.25			
CQ Magazine	1945-46	2.00			
CQ Magazine	1947-50	0.75			
Radio Design	1928-29	4.00			
Radio Design	1930-34	2.75			



## The Vocarola for Radiophone Reception

Another step in the advancement in radio reception has been made with the advent of the Vocarola, which has been brought out by the Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa.

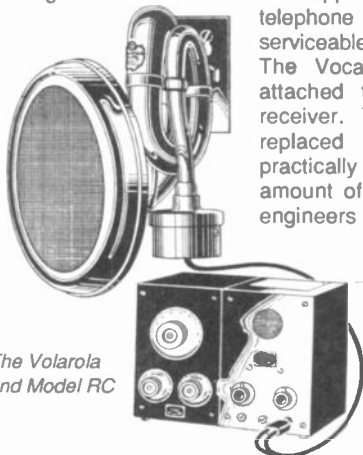
The Vocarola is a reproducing apparatus which serves the purpose of a sound chamber, Through the use of the new apparatus, receptions of programs broadcasted by radio

telephone will be made comparatively easy and is especially serviceable where several persons are listening at one time.

The Vocarola consists of a specially designed metal horn attached to the mechanism of a single Baldwin telephone receiver. The standard Baldwin mica diaphragm has been replaced by a special metal diaphragm which will stand practically any amount of abuse without damage. A large amount of experimental work was carried on by Westinghouse engineers before final decision was made on the horn and it is believed that the design furnishes as fine a quality of reproduction as can be obtained except through the use of a very elaborate sound chamber such as is found in high-priced talking machines.

The Vocarola will work satisfactorily from a two-stage audio-frequency amplifier and, using good amplifying tubes, 150 to 200 volts may be used without danger of damaging the instrument.

(Wireless Age, 1922)



The Vocarola and Model RC



# COLLECTORS CORNER

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

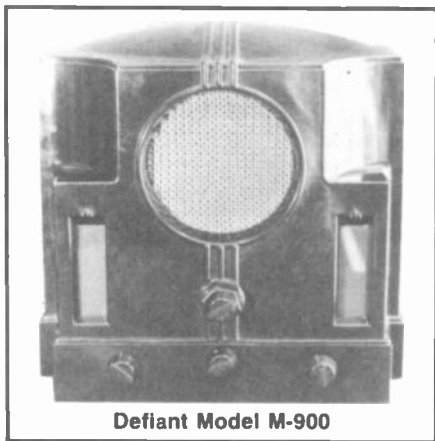
## CO-OP "DEFIANT" MODEL M-900

A few summers ago I had the pleasure of attending a British Vintage Wireless Society meet at Harpendon, about 40 miles from London. I was hoping to find a few sets that I had only seen in photos and some totally new to me. I succeeded beyond my wildest dreams, picking up beautiful Marconiphone and Ultra mantels sets, two round Ekcos, a Lemouzy from France, and this month's featured set – a Defiant.

I saw the top of the Defiant poking out of a box and was quite intrigued. The owner pulled it out and the price was very reasonable. Many collectors milled around and I was told that it was an uncommon set and that I was quite lucky that it was complete. Most were missing the back and they were uncertain as to who made the set as all identification was there.

It turns out that the Defiant has an unusual history. It was sold by the Co-Operative Wholesale Society Ltd. which operates stores which return a dividend to the buyer who is a member. They began selling wireless in 1923 in agreement with various manufacturers. Business proceeded smoothly until October, 1933 when the retail dealers association forced the CWS to abandon the agreement with the Wireless Manufacturers Assoc. and to sell less dividend. This violated the basic principle of the Co-Op and they acted swiftly and secured production of sets made to their specifications by the Plessey Electrics firm. The name "Defiant" was chosen and the first line was introduced in December of 1933.

The Model M-900 was introduced in mid-1935 and is a 4-tube set covering the long and medium European broadcast bands. In England sets were taxed yearly on a rate based on the number of tubes. Unlike the U.S. where 4-tube sets were bottom line cheap products and mainly usable for local reception only, in England they were well made and often included features to get the most out of a set. In the M-900 an AC/VP1 vari-mu HF pentode is used in the RF stage, an AC/S2 HF pentode is the detector, resistance coupled to an AC/2 PEN output pentode and a UU3 full wave rectifier supplies DC voltage. Volume is controlled by varying the voltage to the RF cathode. A



Defiant Model M-900

trimmer condenser on both gangs of the tuning condenser acts as a bandspread control. A .0005 ufd. variable condenser functions as a regeneration control by coupling the plate of the detector to its input. A 6 inch Jensen speaker is used and features include a built-in mains antenna, external speaker jacks, phono input, and transformer adjustable from 200 to 250 volts.

The cabinet of the M-900 is bakelite and is uniquely styled. It measures 14" tall & wide, 8" deep, and weighs 19 lbs. Individually lit tuning dials indicate which band is selected. For a 4-tube set the performance of the M-900 is phenomenal. It is able to separate 50,000 watt WIBC in Indianapolis on 1070 Kc from 1,000 watt WNWI in Valparaiso and our 1,000 watt local WSAL on 1230 from 50,000 watt WOWO on 1190 in Fort Wayne. On almost all TRF sets WSAL blankets WOWO. Tuning is a bit difficult but I imagine this set would have fit the bill for a cost conscious Englishman looking for good performance. It makes a very interesting collectible.

The next Collectors Corner will feature a very early set from the "Midget Radio Capital of the World", the Jackson Bell Model 59. (Frank Heathcote)

(GBS)

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.



# ANTIQUE RADIO SPECIFICATIONS

CONTRIBUTED BY: HENRY ROGERS, P.O. BOX 501, MINDEN, NV 89423

**ANTIQUE RADIO SPECIFICATIONS** - This column provides the collector with specifications, both physical and electrical on individual radio sets. Performance is measured and operation evaluated giving collectors a relative guide to expected results. Comments and suggestions concerning the evaluated radio are welcomed as well as additional radios you would like to see. (*Henry Rogers*)

## GREBE SYNCHROPHASE

The *Grebe Synchrophase* was manufactured from late 1924 until mid-1927. It was a very popular model generally selling for about \$150.

The circuit is TRF using Straight-Line-Frequency condensers for equal spacing of stations throughout the tuning range. Binocular coils and neutralizing condensers are used for high selectivity. Later models have two tuning ranges and a ball-chain drive coupled to the center dial for single dial tuning.

The *Synchrophase* has always been considered a top performing receiver. For its vintage, it is almost unrivaled in sensitivity and selectivity, though microphonics, caused by certain types of tubes and the early UV-type sockets, can sometimes be a problem. Also, if a *Synchrophase* oscillates while tuning through a signal, the neutralizing condensers may need adjustment.

The set used for testing is an original example from late 1925 with all of the mid-production improvements. Best DX was from stations WBAP in Fort Worth, Texas, and CKWX, Vancouver, BC. (*Henry Rogers*)

### SPECIFICATIONS:

Height ..... 9½"  
Width ..... 22½"  
Depth ..... 13¼"  
Weight ..... 20 Lbs

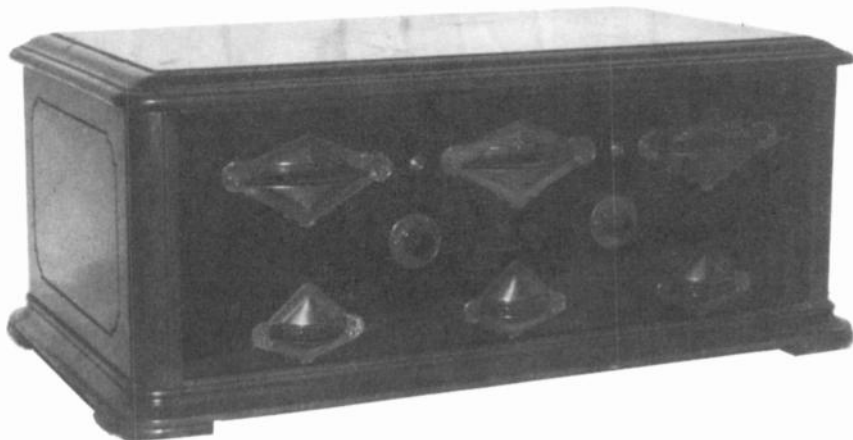
Frequency . . . High Wave . . . 545KHz to 1290KHz  
Coverage . . . Low Wave . . . 885KHz to 1890KHz  
Band switch driven by center dial

Circuit . . . . . TRF with Binocular coils & neutralizing condensers, SLF tuning condensers. Type MU-1 uses 5 - 201A's (late version UX112, 2 A.F.) Type MU-2 uses 5 type 199's

Construction . Mahogany cabinet - original finish turns grey-green with age and exposure to light; where protected, color is deep brown with traces of green. Front panel is mahogany color bakelite with gold laquered escutcheons.

Variations . . . Early *Synchrophases* - (1) Independent operation of tuning dials. (2) Single tuning range. (3) UV-type tube sockets. (4) Tone color control is resistive device  
Mid-production Models - (1) Chain coupling of tuning dials. (2) Two tuning ranges. (3) UV sockets and resistive Tone color device.

Late *Synchrophases* - (1) Cushion mount UX-type tube sockets. (2) UX112 audio output with separate "C" and increase to 135 volts "B plus". (3) Tone color is a capacitive device. (GBS)



# COLLECTING RADIO NOVELTIES

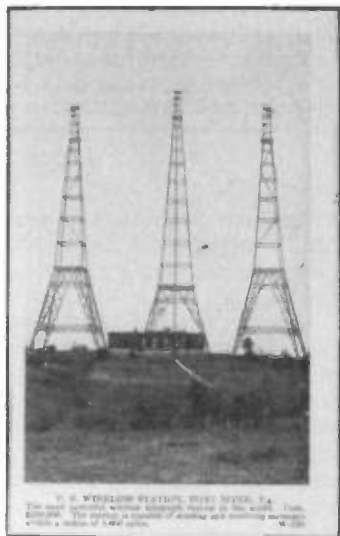
Picture post cards provide a curious historical record of early radio. In addition to the more commonly seen "antenna" cards, radio's impact on everyday life was also depicted.

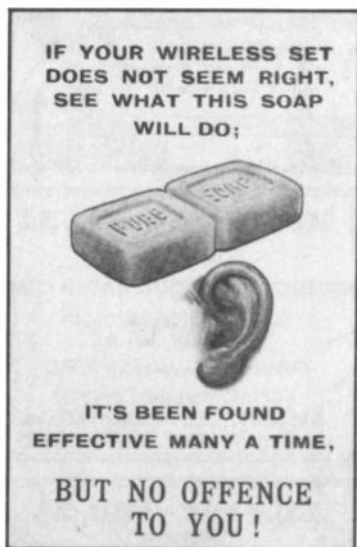
Comic cards showed novel uses of radio such as a radio on the beach. Social problems brought on by radio, like the gentleman below, could be presented humorously through cards. Poking fun at the stations' broadcast schedule was popular as well. The

sets themselves, their poor performance and the famous cat whisker did not escape the comic post card either.

Finding cards such as these is becoming more difficult. I want to thank Andy Nolf for obtaining the cards in this issue for me and for helping with these comments.

(John V. Terrey)





## UNUSUAL RADIOS - THE "OZARKA 95"

An apparent last gasp, the Ozarka 95 set appeared in 1932 with what RCA called the "sensational new tubes", the types 58 & 56, and a pentode output. This particular model uses 8 tubes and includes an RF amplifier, a separate type 56 oscillator and is provided with AVC, again separate. It is one of those irritating and tricky circuits with the volume control on the cathode of the AVC tube, between the center tap and the chassis, so it does get warm.

The delightfully decadent cabinet (what I call "boudoir" style) has a walnut veneer front with maple veneer decorations, all held together with walnut legs that form the corners. The elaborate grille is very striking, and houses a Rola speaker whose ten inches take up most of the opening.

Probably the most striking feature of these fine sets, with such catchy automotive names like V-8 & V-16, was their copper-plated chassis. The idea is similar to the brass and aluminum McMurdo-Silver sets of the same period. Even the V-16 has two rows of tubes marching across the back of the chassis. This set, like the McMurdo's, has shielded tubes in the back. They have a lot of eye appeal.

This set is a hot performer. Tests indicate that the I.F. is 175KHz. It tunes from 550 to 1500KHz and can be squeezed a tad higher. It has so much gain in fact that AVC is an ab-



solute necessity. Unfortunately, the volume control on this set, along with the AVC bias resistor beside it, have been changed. The problem is compounded by the lack of published service information and schematics. If anyone out there can help, I'd appreciate it. There's enough gain to demolish the set without AVC and this fine piece should be on working display in my living-room. (Richard Foster, 12 Shawmut Ave., Cohituate, Mass 01778)



## MASS. - Jan. 25 RADIO XVII

### SWAP MEET, AUCTION & CONTEST

Weston, Mass. - Rivers School  
Winter St., off Rt. 30

Sunday, Jan. 25 - 8:30 a.m. to 2 p.m.

Contest: Best Speaker or Horn  
Admission \$3.00. Snow date: Feb. 1

For Information, Contact:

Dave Crocker, 6 Old Farm Road  
Duxbury, MA 02332. (617) 585-5650  
Richard Foster, 12 Shawmut Ave.  
Cochituate, MA 01778. (617) 655-2056

## MICHIGAN - JAN. 31 MARC

### MICHIGAN ANTIQUE RADIO CLUB

Grand Rapids, Michigan  
Saturday, Jan. 31

*Details in the January A.R.C.*

For Information, Contact:

Jim Clark, 1006 Pendleton Drive  
Lansing, MI 48917. (517) 323-9595

## PENN. - DEC. 13

### PITTSBURGH ANTIQUE RADIO SOCIETY - QUARTERLY MEETING

Washington, PA - 1st Presbyterian Church  
100 E. Wheeling Street  
Saturday, Dec. 13 - 1 p.m.

For Information, Contact:

The Pittsburgh Antique Radio Society  
506 E. Wheeling St., Washington, PA 15301  
(412) 222-6678

## INDIANA - FEB. 21 IHRS

### INDIANA HISTORICAL RADIO SOCIETY - ANNUAL SWAP MEET

Indianapolis, Indiana - The Sherwood  
6500 South Emerson Ave.  
Saturday, Feb. 21 - 9 a.m.

#### Popular Vote Contest

Class I: Your Favorite Radio

Class II: Not a Radio but looks like a Radio

For Meet & Weather Information, Contact:

Paul Gregg: (317) 846-3094

Bob Shuck: (317) 849-0210

Ed. Taylor: (317) 638-1641

or send a SASE to

Indiana Historical Radio Society  
245 North Oakland Ave.  
Indianapolis, IN 46201

## MINNESOTA - Dec. 6 NARC

### NORTHLAND ANTIQUE RADIO CLUB COLLECTION OPEN HOUSES

For list of collections open for visits,  
and for map...

Write NARC, PO Box 18362, Mpls, MN 55418  
or call Greg Farmer, (612) 571-6062

## RADIO CLUB LISTINGS

*(CLUBS: Send club and meet information to  
A.R.C. for inclusion here, as space permits.)*

**Antique Wireless Association (AWA).**  
Bruce Roloson, P.O. Box 212, Penn Yan,  
NY 14527. Pub: *The Old Timer's Bulletin*,  
quarterly. Dues: \$8.00. National and regional  
conventions. Museum.

**Antique Radio Club of America (ARCA).**  
William Denk, 81 Steeplechase Rd., Devon,  
PA 19333. Pub: *The Antique Radio Gazette*,  
quarterly. Dues: \$12.00. National and  
regional conventions. Regional chapters.

**Greater Boston Area "Non-Club".** Dave  
Crocker, 6 Old Farm Road, Duxbury, MA.  
Pub: None. Dues: None. One Winter and one  
Spring meet each year.

**Indiana Historical Radio Society (IHRS).**  
Marilyn B. Johnston, Treasurer, R. 1, Box  
218-A, Windfall, IN 46076. Pub: *IHRS  
Bulletin*. Dues: \$8. Quarterly swap meets in  
various areas of state.

**Michigan Antique Radio Club (MARC).** Jim  
Clark, President, 1006 Pendleton Dr.,  
Lansing, MI 48917. Pub: *MARC Newsletter*,  
quarterly. Dues: \$10. Quarterly regional  
swap meets.

**Northland Antique Radio Club (NARC).**  
P.O. Box 18362, Mpls, MN 55418. Pub:  
*NARC Newsletter*, six/year. Dues: \$10. About  
six meets/year.

**Pittsburgh Antique Radio Society, Inc.  
(PARS).** David W. Kraeuter, Secretary, 506  
E. Wheeling St., Washington, PA 15301.  
Pub: *The Pittsburgh Oscillator*, quarterly.  
Dues: \$10. Quarterly meetings.

*Please mention A.R.C. when writing clubs.*

# 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 month's 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 3½ inches. Custom ads made to order, send sketch of your ideas for quote.

**WANTED:** Scott 88-108 Mc. FM adapter. Tube grid caps for McMurdo Silver Masterpiece Five. D. Yanko, 410 N. Summit, Oconomowoc, WI 53066. (414) 965-3641 after 5 CST, collect

**FOR TRADE:** Scott & McMurdo Silver sets for deco radios, i.e.: Catalins, chrome fronts, mirrored sets and some large chassis Zeniths or other unusual top models. Ed Schneck, 1401 Ocean Ave., Bklyn, NY 11230. (718) 377-7282

**FOR SALE:** Vintage Radio books are the collector's reference! Write to McMahon's V.R., Box 1331, North Highlands, CA 95660 or call (916) 332-8262

**WANTED:** Grundig wood table radio from 60's in mint condition. Gary Stejskal, 1412 26 St. N.W., Cedar Rapids, IA 52405

**FOR SALE:** Rider's TV Manuals #1, 2, 4, 5, 21 and counter reference manual. All are in good to fair condition - \$25 for the lot plus postage. Approx. weight 65 lbs. Fothe, 10 Jackson St., Sloatsburg, NY 10974

**WANTED:** Lid & driver for Radiola 24, Kennedy III portable, Radiola I. Raymond Schober, 6938 Western Ave., Omaha, NE 68132

**FOR SALE:** Vacuum tubes for sale, low prices. LSASE for list. Silvius, PO Box 128, Monrovia, MD 21770

**WANTED:** Manual or reprint-copy of manual for Kennedy 281. E.E. Hite, 657 Stratford Lane, Rock Hill, SC 29730. (803) 366-5550

**FOR SALE:** Crosley Musicone speaker - \$15. Old headsets - \$10 each. Bosch wood AC radio - \$20. Clark Trissell, 3530 Pawnee, Lincoln, NE 68506

**WANTED:** Riders 1-3, 5, 11, 14 and 15. Meter for Supreme 89S tube tester. Jack C. Shutt, 1820 Dawn Ave., Fort Wayne, IN 46815. (219) 493-3901

**WANTED:** Hallicrafters Sky Buddy and S-38. Physical cond. important. Ralph Michaelson, 19150 Portos Dr., Saratoga, CA 94070. (408) 867-2883

**FOR SALE:** Hallicrafters Sky Buddy - \$30. S-40-A - \$25. S-41-W - \$20. National NC-46 - \$30. Plus UPS. Daniel Gaidosz, 342 West River Road, Orange, CT 06477

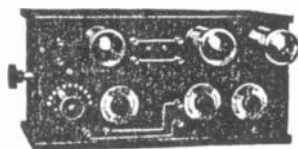
**FOR SALE:** Majestic radio-phono. M-100-B - \$125. 13" TV console - \$5. **WANTED:** M50 AK. M75 Zenith radio. R.G. Shelton, 9204 S. Dale Lane, Fort Worth, TX 76108

**WANTED:** Hallicrafters SX-62/A. Need not be operating but desire one good physically and not messed up internally. Irv. Eilers, 4540 Palmero Dr., Los Angeles, CA 90065. (213) 254-0987 after 5:00 p.m. PST

**FOR SALE:** Tom Swift and His Wireless Message and other titles. SASE for list. Serge Krauss, 141 Homan St., Elkhart, IN 46516

**FOR SALE:** AK-40 and Spkr., Zenith 5G40, Veneer, crinkle paint, satin finish, caps, pots, resistors, new and used tubes, books, schematics. Free gifts with orders. List available from Sue Coulter, Box 11-A, 1000 West Columbus St., Bakersfield, CA 93301

## "Miraco" Vacuum Tube Receiver



**WANTED:** Miraco one-tube set and/or two-step amplifier in any condition. Also interested in any other Miraco or Midwest Radio Corp. sets for my collection. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432. (612) 571-6062.

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**CLASSIFIED ADVERTISEMENTS**

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**FOR SALE:** Radio Craft, Radio News, Short Wave Craft. 1925 to 1951. Send wants and SASE. Bill Rolf, 30131 Center Ridge, Westlake, OH 44145

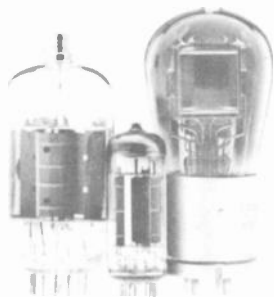
**FOR SALE:** Radio receiver Type CMX-46155A, 15-600 Kc, Navy Dept., Bur. of Ships - \$50, no shipping. Radiomarine Type AR8503, range 15-600 Kc - \$100. Prof. Edgerton power supply and strobescope Type 548-A, Ser. No. 72, made by General Radio - \$50, no shipping. Phil Weingarten, 67-61 Alderton St., Forest Hills, NY 11374. (718) 896-3545

**WANTED:** QST magazine, only Jan issues 1923, 1924, 1929, 1934, 1940, 1946, 1947 and 1952. Minoru Wakasugi, 1-16-11 ToKiWaDal ToYoNoCho Osaka 563-01 Japan

**FOR SALE:** H.H. Scott 210A dynaural noise suppressor and amplifier. Good working condition - \$30. Al Smith, Stonehedge, Lincoln, MA 01773. (617) 259-9351

**WANTED:** Unusual Art Work-ing Cathedrals, tombstones and early sets from twenties. Chassis for an AK 82 or 90, 84. Bruno Pinto, PO Box 671, Jamaica, NY 11435. (718) 847-4802

**FOR SALE/TRADE:** AK-60 in Kiel table (refinished - nice set) - \$350. **WANTED:** AK RF transformer stage #2 and other BB parts. Bob Nicholson 3423 Long St., Topeka, KS 66605. (913) 266-9473



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**WANTED:** Electro-voice loudspeakers, tuners, amplifiers, pre-amps, literature, parts. 1950-1965. John P. Wolkonowicz, 11 Hartford Rd., Worcester, MA 01606

**FOR SALE:** Zenith 8-1/2" diameter, exact replacement glass, Zenith part number 192-17 - \$6.50 ppd. Vintage TV & Radio, 1204 Andrews, Lakewood, OH 44107. (216) 226-4054

**WANTED:** Gear drive tuning condenser for Emerson mini-tombstone. Also Catalin and deco sets in any condition at top competitive prices. Ed Schneck, 1401 Ocean Ave., Bklyn NY 11230. (718) 377-7282

**FOR SALE:** Riders, Howard Sams, RCA, Philco, GE service manuals. Tubes, test equipment, speakers, parts. SASE for list. Krantz, 100 Osage Ave., Somerdale, NJ 08083

**WANTED:** Aeriola Junior. Seth Ward, KC3YE, 83 Ruthfred Dr., Pittsburg, PA 15241

**WANTED:** Editors/Engineers Radio Handbook, 15th edition (mid-60s) & 1946 or late 40s early 50s edition of same. Doug, PO Drawer E, McComb, MS 39648

**FOR SALE:** National NC-98 - \$75 + UPS. 600+ new tubes. Send SASE. David Jue, 217 Hemlock Ave., Redwood City, CA 94061

**WANTED:** Several pre-1950 Emerson radios, colorful plastic, mint condition, comic-strip characters, Coca-Cola or ? Send photo & price to Ira Warren, 131 Halstead Ave., Mamaroneck, NY 10543. (914) 636-3081

**WANTED:** Original RCA data for Victor models R-32, R-39. Gilbert Smith, 248 South 36th St., San Diego, CA 92113

**FOR SALE:** Phonographs & jukeboxes. Over 1000 new tubes. 10,000 78's & 45's. Send SASE to Tony's Trading Post, 209 East Park St., Butte, MT 59701

**WANTED:** Cabinet for Stromberg-Carlson Model 1A. Bakelite face is 26-1/2" x 8". Jerry Brannon, 22324 100th Ave. S.E., Kent WA 98031

**FOR SALE:** Electronic clock, GE Model 2 with remote transmitter model ET1. Impressive heavy brass case and dial made in West Germany - \$50 plus 25 lbs. UPS. Serge Krauss, 141 Homan, Elkhart, Indiana 46516

**WANTED:** Globe shaped 250/350 tubes. Pay \$30 new in original carton. Pay \$10 for used "good", \$2 for duds. For fast payment ship to: Don Diers, 4276 N. 50 St., Milwaukee, WI 53216



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**CLASSIFIED ADVERTISEMENTS**

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**WANTED:** Philco 91, junker OK. Filament voltage meters for Radiola 20 and 25. Tuning knob for Stromberg-Carlson 635A, 636 or 638A. Brass escutcheon for Philco 70. Battery connection chart for Radiola 20, mounts under lid. Henry Brown, 2 Central Ave., Morris Plains, NJ 07950. (201) 538-2014

**FOR TRADE/SALE:** Have set of Leutz coils 2 and 3. Grebe coil No 3. National set of four in box for SW-2 or SW-4. Looking for good sets of coils for my FX-7. Lester P. Rayner, 5512 N. 71st Place, Scottsdale, AZ 85253. (602) 947-1375

**FOR SALE:** Atwater Kent breadboard radio Model 12 with 6 brass base tubes, plays, fine condition - \$835 plus \$15 UPS. Frost-Fones headphones No. 174, 2000 ohms, old, mint in mint box, with 46-page little book, original, Frost-Fones and Radio - \$35. Thermodyne TF-6 Chassis, 5-tube, without tubes, v fine - \$50. Two WD-11 tubes, new - \$100. Edison Mabry, 715 W. Longview, Mansfield, OH 44906. (419) 526-1175

**FOR SALE:** Rider's Manuals, individual volumes 1 thru 14 with index thru 10. Can ship - \$225. Dale Parsons, 5312 Koontz Dr., Cross Lanes, WV 25313

**WANTED:** Owner's manual for AK Model 10B. Jim Drenning, W3RMY, 340 Barefoot Dr., California, MD 20619

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**CLASSIFIED ADVERTISEMENTS**

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**FOR SALE/TRADE:** Philco 90 speaker - \$15. Western Electric 202A reproducer set (1929) - \$200. Zenith 1930 robot-dial console 95262 - \$175/trade. Zenith 6527 Tombstone (trade). RCA 10T Tombstone (trade), RCA 4T Cathedral - \$100/trade. Majestic 151 Cathedral - \$100/trade. Zenith 715 Cathedral (trade). Majestic 20 Cathedral - \$100/trade. Wards movie dial for parts - \$25. Riders Vol. 17 - \$15. **WANTED:** Deco sets, unusual cathedrals, Pilot radios, Tubetype stereo gear. AK-558 Cathedral, AK-328 Tombstone. Foreign radios. Bill Moore, 1005 Fieldstone Ct., HSV, AL 35803. (205) 880-1207

**FOR SALE:** Consoles, table models, amateur radio transmitters, receivers, magazines, transmitter tubes. Long SASE, please. K4WJZ. Russ Olmsted, 608 W. Thompson Lane, Murfreesboro, TN 37130

**WANTED:** Radio Troubleshooter's Handbook by Alfred A. Ghiraldi. Prefer 3rd Ed. or later, but any will do. State price. Richard Gordon, 4221 Dayton Ave. N., Seattle, WA 98103

**WANTED:** Dial bezel and speaker for Philco 39-17. Also need parts or complete Brown Tele-Tone Radio. Paul Tucker, 4700 No. N, Ft. Smith, AR 72904. (501) 782-8178

**FOR SALE:** New UX199, UX201A, 26, 71, 47, two each - \$10 each. Many more. Ted Youngman, 2225 Vigo St., Lake Station, IN 46405

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## **BOOKS FOR SALE**

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**New Wireless Pioneers,  
James and Felicia Kreuzer,  
have acquired the inventory of the late  
A.D. Santmasso,  
and the Radio-Telegraph-Electricity section of  
The Franklin Institute Library.**

**We have put together a list of rare and desirable books. If you want to get on our mailing list, send a SASE for our list, along with your wants for our files.**

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HAWKS - GERNSBACK - PRESCOTT  
THOMPSON - HERTZ - MAXWELL  
GOLDSMITH - MORGAN - ROBISON  
FLEMING - POINCARÉ - BUCHER  
EDELMAN - BANGAY - RIDER - POPE**

*and many more .....*



**New Wireless Pioneers, 6270 Clinton St., Elma, NY 14059 (716-681-3186)**

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Television books, magazines, equipment from the 30s. Trade or buy. R. Brewster, 454 Diablo Dr., Pittsburgh, PA 15241

**FOR SALE:** Unused and used tubes, capacitors, speakers, SASE for price lists. Elmer Nelson, 11 S. Church St., Princeton, IL 61356

**WANTED:** Need good speaker (36-1483), power transformer (32-8121), and undamaged bezel plate (54-4038) for Philco 41-250 table radio. **FOR TRADE:** various parts for Radiola 17, Radiola 33, AK 48. Ken Strack, 301 Burnside St. A203, Annapolis, MD 21403

**FOR SALE:** 1950s equipment & tubes. SASE for list. T. Walker 154 Intervale Rd., Mtn. Lakes, NJ 07048

**WANTED:** Sonatron red colored glass UX-199 tube (Sonatron number MU-X29), dud OK. Also Sonatron white (clear/silver) UX-199 tube. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, North Royalton, OH 44133

**WANTED:** Scott Philharmonic, Phantom DeLuxe or 800B. Capeheart 4-13. AK Bread-board green and black components. Original and working condition only. Wm. Ross, 1124 Tower Road, Winnetka, IL 60093.

**WANTED:** Telegraph keys and bugs for my collection. Wierd bugs, Camelbacks or Spark. Gil Schlehm, 335 Indianapolis Ave., Downers Grove, IL 60515

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Help with a 2-tube National receiver kit, ca. 1930. Need schematic, components, coils, etc. My 1st retirement project. Tom Norrie, 1174 Yale Ave., Wallingford, CT 06492. (203) 237-4858, eves.

**FOR SALE:** Radio Related Tie Clasps, lapel pins, RCA, GE, Philco, etc. Full enamel emblems. Send SASE for list. Michael S. Sabodish, Sr., 11-A Matawan Ave., Cliffwood, NJ 07721

**WANTED:** Vogue picture records, 78 rpm. Must be good condition and reasonable price. Jim Weil, 129 Albertson, Rochester, MI 48063. (313) 254-5200 x526

**FOR SALE:** Grebe MU-1 "Syncrophase" - \$175. Magnavox R-3 horn - \$45. J. Downes, 607 East 12th Ave., Covington, LA 70433. (504) 892-6250 eve.

**WANTED:** The following parts for Westinghouse 2 tube model RS: (1) Brass nameplate that mounts in lid. (2) Complete lid latch assembly. (3) Two Ant./battery screw caps. Same as used on Aeriola Jr. & Sr. William H. Stuber, 406 S. 1st Ave. (PO Box 153), Woodward, IA 50276

**FOR SALE:** Many NOS, TV flybacks, yokes. Call or write. **WANTED:** Sodian, DeForest, unusual, colored glass tubes. R. Dobush, 3554 W. 105, Cleveland, OH, 44111. (216) 228-4953.

☆☆☆☆☆ **FOR SALE** ☆☆☆☆☆

RADIOS/SPEAKERS

- |                                  |   |
|----------------------------------|---|
| • Paragon RD5 tuner.....TRADE    | • Paragon 10R RF amp.....TRADE                    |
| • Philco 90, restored.....\$395  | • Spark plug novelty.....\$ 45                    |
| • Philco 21 (RARE), rest'd.\$495 | • Philco 37-650, rest'd.....\$225                 |
| • Scott AW23, playing.....\$225  | • Airline console "movie dial, restored.....\$185 |
| • Philco 50, restored.....\$225  | • Airline table "movie dial, restored.....\$135   |
| • GE E61 tombstone, rest'd.\$135 | • Magnavox horn spkr R3B...\$ 90                  |
| • SW tombstone, rest'd.....\$225 | • Grebe cabinet with Queen Ann legs.....\$ 75     |
| • Michigan MRC-3, no cab...\$ 50 |   |

TELEVISIONS

- |   |                              |
|---|------------------------------|
| • Philco Safari, rest'd.....\$195                                 | • Pilot 3", rest'd.....\$275 |
| • RCA 648PV projection TV with AM/FM/SW, turntable,restored.\$995 |                              |
| • Philco Predicta tandem, base only.....\$ 60                     |                              |
| • Philco Predicta tandem complete, not restored.....\$500         |                              |

For entire list of over 100 radios, TVs, speakers, etc., send large SASE. This list available monthly Nov-Mar, will send to you each month if you supply the SASEs.

Contact: Jim Clark • 1006 Pendleton Drive • Lansing, Michigan 48917 • 1-517-323-9595

## CLASSIFIED ADVERTISEMENTS

**WANTED:** Airplane dial, needle, knobs, amplifier, speaker for McMurdo Silver Masterpiece III. Clyde Watson, 8311 Viada Sereno, Scottsdale, AZ 85258

**FOR SALE:** AM Broadcaster, tubes including Blue Arcturus, schematics. Radios including novelty sets like Lamp-Radio and Radiokeg. Send SASE for list. Also repair work at reasonable prices by licensed "expert". Stan Lopes, 1201-74 Monument Blvd, Concord, CA 94520

**WANTED:** AK BB. Federal 57, 58, 59, 61, 110. Grebe CR3, CR6, CR5 & CR9. Kennedy 110. Paragon RA10. Aeriola Sr./Amp. Loop antennas. Amplion AR111, AR114 & AR19 drivers. Eddy Clément, 6052 Chailly, St. Léonard, PO H1T-1J9, Canada

**WANTED:** Power transformer for a model 675 Belmont table top, 6-tube, 2.5v. fil. Brian Ruppel, 703 Maple St., Lawrenceville, IL 62439

**FOR SALE:** Transmitter crystals. Old Air Force Radar Book. Philco Cathedral & AK Cathedral. Western Electric microphone 1913. Russell Schoen, R#1, Box 224, Clintonville, WI 54929. (715) 823-6744

**FOR SALE:** B & K 1076 Analyst instruction manual, black & orange cover - \$15. Fred Emerson, 627 Illinois Ave., Elgin, IL 60120

**WANTED:** Regency TR1. AK Cathedrals models 228, 567, 90, 92. Original AK Type 11 nameplate. Have scarce AK breadboard parts, including model 5TA unit to trade, or pay cash. Jerald Hueber, 1002 Cedar, Bonham, TX 75418. (214) 583-7261

**WANTED:** Reasonably priced Rider manuals by beginning collector, repairer. Please state condition and price. Philip R. Donovan, Jr., 120 Commonwealth Rd., Lynn, MA 01904

**WANTED:** Sell me your pre-war TV. Jim Clark, 1006 Pendleton Drive, Lansing, MI 48917. (517) 323-9595

**WANTED:** RCA Victor plastic radio, good complete working model, 16x13, 16x11 or 16x3. Wm. Chapin, 310 Bentley Way, Fayetteville, GA 30214

**FOR SALE:** Philco 87. Zenith 10S160. Silver-tone R101. Crosley Fiver. Crosley 515. Airline "Movie Dial" and others. List. Oscar E. Hagar, Sr., PO Box 141, Goodman, MO 64843 (417) 364-7936

**FOR SALE:** E. H. Scott & McMurdo Silver parts. SASE for list with prices postpaid. N. Braithwaite, PO Box 2443, Redding, CA 96099. (916) 246-4209

## CLASSIFIED ADVERTISEMENTS

**WANTED:** Information or radios from Miraco, Cino, Faraway, or Kodel, 1923-25. Peter Palm, 4900 Madison Rd., Madisonville, OH 45227

**WANTED:** Schematic & 5 ohm speaker for Blaupunkt Model Sultan 2320. Ray Schneider, 903 Rodney Drive, San Leandro, CA 94577

**WANTED:** New collector seeks parts to bring AK breadboard to life, 3 tube section, also 3 1/4" round section (pot?) between 1st and 2nd tuning cond. I have nothing but empty spaces! Ken Nevins, 406 Jipson St., Blissfield, MI 49228. (517) 486-3019

**WANTED:** Do you restore radio cabinets or offer any other service related to the hobby? We need you for our second issue of the Old Tyme Radio Service Directory. Let me know by dropping me a postcard! Copies of the above are available for \$2 ppd. Andrew Mooradian, 5 Priscilla Lane, Winchester, MA 01890

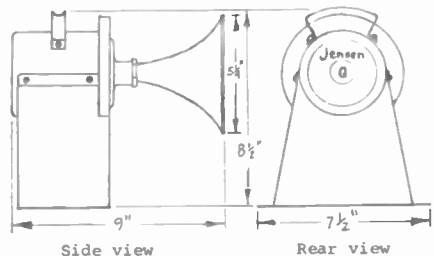
**FOR SALE:** RCA-Victor Service 1923-37. 25 boxed popular tubes. Everyday Engr. 1918-1920. Rider's P.A. Vol. SASE. F. Paul, 1545 Raymond, Glendale, CA 91201

**WANTED:** Radiola IIIA w/bad cabinet. Also types/prices of crystal sets. Michael Crain, RD 1, Box 472, Harveys Lake, PA 18618

**FOR SALE:** Old radio catalogs 1920-1965. Send long SASE for list. Clarence Filley, 1109 S. 2nd St., Hamilton, MT 59840

## WANTED

To complete console radio



One JENSEN "Q" Series high frequency speaker, working or not, any condition

Base, handle, and details may vary. May have other names on tags.

Will trade generously or buy outright. Norman S. Braithwaite (916) 246-4209 evenings or weekends. Collect

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** QST in binders, Jan. 1917 to 1981, 760 issues - \$1000. You pick up. J. Wasiewicz, 229 Sarles Lane, Pleasantville, NY 10570

**WANTED:** Sig gen-AM. Bdest (?), SW, IF and audio. SASE. H. Seeselberg, 22 Christy Dr., Warren, NJ 07060

**FOR SALE:** Riders, Howard Sams, other service data. Tubes, parts, test equipment, magazines, list E86 for SASE. Headphones - \$7.50 pair. Old type round case buzzers - \$5. 201-A - \$5. Sampson MIK-100 old amp - \$25. Hard rubber panels size 8"x18" - \$10. 12"x18" - \$15. G-R brass var con's - \$5. All plus shipping. Krantz, 100 Osage Ave., Somerdale, NJ 08083

**WANTED:** Philco Predicta 21" b/w TV set with portable picture tube. Models (U)G4710L, M. (U)G4720L, M. Chassis 9L38A, AU, U. See Sams Photofact 441-2. I especially need the receiver section. Working or non-working condition OK. A. Ford, 1238 Academy St., Scranton, PA 18504. (717) 347-4218

**FOR SALE:** Arvin 522A - \$30. Army transmitter RT-3 - \$32. RCA 14X - \$30. Hallicrafer 538E - \$38. David McKenzie, 516 South Exeter St., Eustis, FL 32726. (904) 589-0149

**FOR SALE:** EE8 field telephone from WWI in leather case - \$25 plus shipping. F.W. Chapman, Apt. B 218, 1130 N. Lake Park Ave., Lakeland, FL 33805

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Help! I need a cabinet for a Crosley XJ. The panel is 21"x5 1/8". I need a screw-on bell for a Trim Model 80 "Concert" horn speaker, 15" diameter. I also need a bell for a Frost 'Musette'. Thanks. Bob Barnes, 511 N. Chestnut St., Monroe City, MO 63456. (314) 735-2945

**FOR SALE:** AK. Radiola. Philco. Crosley. Case. Others. Videodyne 10FM TV. SASE to J. Kendall, 600 Remington Rd., Fallston, MD 21047

**WANTED:** Crosley grandfather clock radio, "Playtime", with the round dial chassis. All letters answered. Ronnie Kaczmar, 5747 Williamson St., Dearborn, MI 48126

**WANTED:** Would like to buy several good 201A's, 01A's or 112's. Please send description and price. Paul Gunzenhauser, Rt. 1, Box 133, Garden Grove, IA 50103

**FOR SALE:** Ozarka 4-tube (exposed) battery set - #140. Ware type T - \$225 (excellent). AK L horn speaker - \$50. Crusader Cathedral - \$100, working. Westingale TRF with scenic front - \$80. Hallicrafters clock radio - \$30. Radiodyne WC-11 - \$55. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432. (612) 571-6062

**WANTED:** Early violet ray quack medical machines and ring microphones. Richard Cane, 8391 NW 21 St., Sunrise, FL 33322. (305) 741-6838



# PUETT ELECTRONICS

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NEW BOOKS NEW BOOKS NEW BOOKS  
ALL ARE POSTPAID!! ALL ARE PRINTED BOTH SIDES OF SHEET AND HAVE COVERS!!

- PCB694 - RADIO HUMOR OF THE DECADES by J.W.F. Puett, radio cartoons from the 1920's thru the 1960's from the great periodicals . . . . . \$10.95
- PCB695 - MODERN RADIO RECEPTION by Charles R. Leutz, 1925, full of diagrams and illustrations, photos of early Leutz equipment!, 337 pages! \$19.95
- PCB696 - ELECTROLYTIC CAPACITORS by P. Deeley, published by Cornell-Dubilier, 1938, many diagrams, illustrations, excellent text!, 275 pages! \$18.95
- PCB697 - HENLEY'S 222 RADIO CIRCUIT DESIGNS by Norman W. Henley, 1923, many crystal-set and one-tube-set circuits, diagrams, etc., 271 pg. \$18.95
- PCB698 - THE BOOK OF WIRELESS by A.F. Collins, 1922, how to make wireless \$16.95
- PCB699 - RESONANCE AND ALIGNMENT by John F. Rider, 1936, GREAT!, 91 pg. \$12.95
- PCB700 - AUTOMATIC VOLUME CONTROL by J.F. Rider, 1936, 93 pages . . . . \$12.95
- PCB701 - ALIGNING PHILCO RECEIVERS by J.F. Rider, 1937, 135 pages . . . \$13.95
- PCB702 - THE RADIO GIRLS, ON THE PROGRAM by M. Penrose, 1922 . . . . . \$12.95
- PCB692 - THE RADIO GIRLS, AT FOREST LODGE by M. Penrose, 1922 . . . . . \$12.95
- PCB691 - THE RADIO BOYS, FIRST WIRELESS by A. Chapman, 1922 . . . . . \$12.95

DISCOUNT - DEDUCT \$1.00 FROM ALL PRICES ABOVE BY SENDING THIS NUMBER;  
OUR NEW CATALOG NO. 7 - 48 PAGES \$2.00 POSTPAID!!!!!! ARCO07-7.  
RECEIVE A \$3.00 DISCOUNT COUPON WITH CATALOG BY INCLUDING THIS NUMBER ARCO07-49.

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Loop antenna for DeForest D-7-A receiver. R. J. Turner, PO Box #56, Hopkins, MN 55343. (612) 938-7809

**FOR SALE:** Riders Vol. 13 for \$10 plus \$3 trans. Earle Drake, Box 1808, Hyannis, MA 02601

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*(Include renewal form from July 1986 issue. If you have misplaced it, just send a check, noting that it is for a renewal. Thanks.)*

**WANTED:** Hallicrafters HT-7 frequency standard. John Shiels, 3212 Chestnut St., Murrysville, PA 15668. (412) 327-3356 anytime

**FOR SALE:** Radio Boys in the Flying Service (1936) - \$15. David Walters, 13805 Florida Ave., Cresaptown, MD 21502. (301) 729-3133

**FOR SALE:** 20 SW sets. RME. Knight. Hammarlund. Hallicrafters. National. Zenith. List SW87 for SASE. Krantz, 100 Osage Ave., Somerdale, NJ 08083

**WANTED:** Base & driver for AK Model L Horn. Francis Edwards, 516 Harter Ave., Mansfield, OH 44907. (419) 522-5343

**FOR SALE/TRADE:** Jackson TV Signal Generator. Richard Arnold, PO Box 275, Lone Grove, OK 73443

**WANTED:** Loop antenna for Sleeper 52 or detailed sketch of same. H. R. Harder, Box 95, W. Brookfield, MA 01585

**FOR SALE:** Admiral 10" TV - \$75. RCA Radiola Superhet Cat. OK - \$75. Freed Eisenmann NR-5 - \$75. Riders Indexes: Radio 14, 16, 18, 16-20. TV 1-3, TV 1-20. - \$5 each. Magazines: Projection Engineering 3/31 - \$3. International Projectionist 4, 5, 6, 7-8, 9 (1933), 4, 5, 6, 11 (1934) - \$20 all. Radio Craft Feb. 1934 - \$2.50. Catalogs: Lafayette 56 (1935) - \$10. Suppl. to 55 - \$7.50. Zenith orig. pwr transformers - \$25 each, state wants. Yost typewriter, wooden keys - \$150/offer. Riders 13, 14 - \$5. NRI service manuals 4000 pp. - \$60. Silver VOMAX - \$25. Shipping extra. Richard C. Foster, 12 Shawmut Ave., Cochituate, MA 01778

**CLASSIFIED ADVERTISEMENTS**

**FOR SALE:** Amateur call books 1925, 1927, 1928, 1931. Also, commercial call book 1931. All fair condition. Best offer. Bill Thompson, 1095 NW 147 St., Miami, FL 33168. (305) 685-1993

**WANTED:** Toy radios from Western Radio and Midway Co. King Harrison, 4755 Walton Creek Rd., Cincinnati, Ohio 45243

**WANTED:** Schematics: Ozarka 95 (not W.D.I.). DayRad type F tube checker. Philco 16 Cathedral. Green Catalin Emerson Tombstone. Richard C. Foster, 12 Shawmut Ave., Cochituate, MA 01778

**FOR SALE:** Tube collectors tubes. AK BB parts. Radio News 1920 to 1945. Other magazines. Tube Saga. Crystal Sets. Parts. List offer 87. SASE. Krantz, 100 Osage Ave., Somerdale, NJ 08083

**WANTED:** Borrow November 1927 Fada-Sales magazine (with factory photos). Any other exterior/interior views of radio factories. Alan Douglas, Box 225, Pocasset, MA 02559

**FOR SALE:** AK breadboard model 10 with tubes. Michigan 1-tube battery set. Crosley 1-tube V. Russell Schoen, Route 1, Clintonville, WI 54929. (715) 823-6744

**WANTED:** WWI Signal Corps Pamphlet #3, "Radio Receiving Sets (SCR54 and SCR54A)." Original or good photocopy. State price. Bill Seaby, 7850 Birmingham Ave., Baltimore, MD 21234

**BOOKS**

**About Radios, Records, and Phonographs.**

**CURRENT TITLES ONLY**

- How-to Information
- Repair Hints
- Reprints of Service and Instruction Manuals
- Price Guides
- 78 rpm Record Supplies



Send long SASE for 6-page list of over 100 items to:  
**The Sound Box Department AR  
Box 226  
Etrick, WI 54627**

## CLASSIFIED ADVERTISEMENTS

**FOR SALE:** Two TV sets priced for the serious collector. Belmont model 22AX22, 10" electrostatic console. Very rare Transvue "Entertainer" Model 160-L, first remote control TV set. Charles Harper, Suite 198, 2050 Idle Hour Drive, Lexington, KY 40502

**WANTED:** In need of a paper cone speaker unit (approx. 8" diameter) with metal support to insert in the Magnavox "works in a drawer" Model 'T' set. Also need the battery wires with metal tags from any Crosley portable model. Can you help? Dave Crocker, 6 Old Farm Road, Duxbury, MA 02332

**FOR SALE:** Raven 12 tube Superhet, engraved panel, some parts missing - \$350. Luetz Model C, needs some work - \$350. Kennedy XV - \$160. Freshman Masterpiece - \$50. Steinite - \$150. Silvertone Nuetrodyne - \$50. Priess Special 6 - \$115. 2 each Remler Superhets, 1 in parts and 1 chassis - \$100. for both. Books: Riders Vol. 1 - \$45; Gernsback's Radio Encyclopedia, autographed - \$25. Zenith Service Manual Vol.1 - \$8. Television by Felix 1931 - \$10. **WANTED:** Luetz Super Pliodyne 9. Duane Bylund, 5153 West 5400 South, Salt Lake City, UT 84118

**FOR SALE:** Edison Bell Crystal Set, fine, plays well - \$200. Arborphone Radio, Model #27, very good - \$65. **WANTED:** Wooden horn speakers, especially Orchestrion & Amplion. Greg Michaels, 72 Pleasant St., Ballston Spa, NY 12020. (518) 885-8280

## CLASSIFIED ADVERTISEMENTS

**FOR SALE/TRADE:** Two Philco Predicta Tandems, one vg, working - \$60; bther, fair - \$250. **WANTED:** Atwater Kent AC models Model 90 or later, RCA 621TS, Black Safari, Danish Modern and Ivory/Gold Predicta consoles, others. Jeff Aulik, 803 N. Chicago Ave., Rockford, IL 61107. (815) 399-1902

**WANTED:** Old broadcasting microphones, studio equipment, catalogs. 9" dia. Philco dial for #37-690 or 38-690. Small screen or pre-war TV's. Western/Electric speakers, jukeboxes. R. Van Dyke, The Caffrey House, Squires Ave., East Quogue, NY 11942. (516) 728-1327

**FOR SALE:** Raggedy Ann & Andy Nite Lite Radio - \$35. Gerald Schneider, 8750 Georgia Ave., #1410-B, Silver Spring, MD 20910. (301) 565-2840

**FOR TRADE:** Grebe MU-1 Syncrophase with Magnavox R-3 horn for good FADA #1000, butterscotch w/red dial trim & knobs, handle. J. Downes, 607 E. 12th Ave., Covington, LA 70433. (504) 892-6250 eve.

**WANTED:** 7" National TV with metal cabinet. Also other 10" or smaller TVs. Sam Thompson, 1031 San Antonio, Alameda, CA 94501. (415) 521-1429

**FOR SALE:** King, early 1920's 5-tube (01A) TRF radio with diagram, battery eliminator and cabinet in excellent condition. John Korman, 9715 Braewick, Houston, TX 77096

## ★ ★ ★ ★ ★ WANTED ★ ★ ★ ★ ★

### TELEVISIONS

- \* Any PRE-WAR models, especially the RCA TRK series
- \* Early TV magazines, such as TELEVISION, TELEVISION NEWS, late 30's RADIO AND TV RETAILING
- \* Unusual post-war sets
- \* Scott projection TV in combination with 800B radio

### EH SCOTT ITEMS

- \* Scott News
- \* World's Record Super 9
- \* Symphony, AC or DC version
- \* Unusual or EXOTIC Scotts
- \* Any Scott in Laureate Grande or Napier cabinets
- \* Any other Scott literature
- \* Scott 2V set
- \* Plug in SW Selectone coils
- \* Pre-chrome World's Record sets

### CRYSTAL SETS

- \* Any factory made sets, the more RARE or UNUSUAL the better!

I will pay top prices for quality items. I also have over 100 items available for trading if you would rather do that.

Contact: Jim Clark • 1006 Pendleton Drive • Lansing, Michigan 48917 • 1-517-323-9595

## CLASSIFIED ADVERTISEMENTS

**WANTED:** Collector with Scott Philharmonic in Laureate Grande. Fee paid for construction sketches and measurements of cabinet. Call collect evenings, weekends. Clyde Watson, AZ. (602) 948-6466

**FOR SALE:** Over 100 assorted plastic cased NOS Sprague "Bulplates" for older TV printed circuit replacement - \$10. Fifty assorted NOS phono replacement needles - \$7.50. Have many NOS TV wall receptacles and color tube brighteners. Write. Don Johnston, RR1 Box 218-A, Windfall, IN 46076

**WANTED:** Revere "400" portable radio. Roll chart or update booklet after 9/1/55 for Hickok 533A/605A tube tester. T. Wickstrom, 1664 E. Shore Dr., St. Paul, MN 55106

**FOR SALE:** Gold Seal Homcharger with instruction sheet, complete except top cover - offer. Don Moth, PO Box 73, Chittenago, NY 13037

**WANTED:** Following issues of Popular Radio magazine: July, Aug '22; Sept '24; June, Nov '25; Jan, Oct '26; May, June, Dec '27; Jan, Feb, Mar '28. Tod Prowell, 1073-15 Lancaster Blvd., Mechanicsburg, PA 17055. (717) 697-5227

**WANTED:** Restorable Atwater Kent Shortwave converter with good dial scale. James M. Seal, 3309 Boatman's Mountain Road, Morristown, TN 37814

**WANTED:** Offering \$10,000 for Spartan Bluebird. \$3500 for Zenith Stratosphere. \$6000 for Scott Quaranta. \$150-\$600 for Catalins and multi-colored plastics. Also want mirrored and chrome fronts, deco wood and European bakelites. Respond with approx. price, good description and pictures if possible. Ed Schneck, 1401 Ocean Ave., Bklyn, NY 11230. (718) 377-7282

**WANTED:** Unusual health restoring devices, electro-therapy items, all specialties medical instruments and gadgets, wanted by a collector. Antique and modern, sophisticated or primitive, from any part of the world. Included: magnetic belts, rings, corsets; hair-growing hats (including Crosleys); nervometers; oscilloclasts; Abrams Drown radionics; Perkins magnetic tractors; cupping and blood letting implements; electric bath. Devices to restore manhood, hearing and sight; to relieve from pain and rheumatism; to purify the blood; to remove cancer; to hypnotize. Literature illustrating same. Please describe and price. I am not interested any more in 4D Faradic batteries, Electreats, UV lamps, hand-held vibrators, simple violet rays. Ole Lindan, 1404 Dorsh Road, Cleveland, Ohio 44121

## CLASSIFIED ADVERTISEMENTS

**WANTED:** Schematic diagram for Coca-Cola Cooler radio model 5A410A, chassis 4501A. I need information about this radio. Please call (616) 343-7072 or 342-1512. John P. Den Hartigh, 5274 Market St., Kalamazoo, MI 49001

**FOR SALE:** Radiola III audio replacements, new UTC SO-2. 10K/90K - \$5.75pp, five - \$26pp. Panasonic RF-B600, digital, like new - \$290 OBO. G. Stevens, Box 704, Longmont, CO 80502. (303) 776-9036

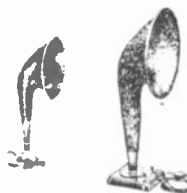
**WANTED:** 'Radio Nurse' bakelite short wave intercom-radio transmitter, 8" x 6-1/2" x 6-1/2". Made by Zenith Radio Corp. Top price paid. Eric Brill (203) 629-1756

**FOR SALE:** AK H2F in Udel cabinet. AK 60 in Keil cabinet - \$75 each. Several others. Battery sets. You pick up. Hardin W. McCauley, 8471 Patterson St., St. John, IN 46373. (219) 365-5979

**WANTED:** Booklet or copy "How to Build and Operate Ultradyne the Improved Super-heterodyne" by Phenix Radio Corp., 1924. Bill Jelinek, 128 N. Stevens St., Rhinelander, WI 54501

**FOR SALE:** Addison radios, Nazi Kleinempfänger - \$185. Northern Electric (Vintage Radio, page 117) - \$650. Sentinel light/dark brown portable Catalin - \$35. A. Nolf, 539 Kastelic Place, Burlington, Ontario, Canada L7N3R5. (416) 639-4768

## WANTED



Stromberg Carlson & Brandes horns needed. I have bases and drivers. I have AK, Radiola 1320 or 1325 & others to trade or I'll buy. I still need tube collars like Freshman Masterpiece used. Please.

## FOR SALE

Chalcopyrite, Zincite & Bornite crystals for your Crystodyne projects.

Reproduction German Postcard Crystal Sets - \$5 + 50¢ for each.

**Bob Barnes**  
511 N. Chestnut  
Monroe City, MO 63456  
(314) 735-2945

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**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Schematic & operator's manual for Hallicrafters Receiver Model SX62A (copy OK). Jim Kelly, 8140 E. Lindner Ave., Mesa, AZ 85208

**FOR SALE:** Brass tipped & rainbow non-tipped 01A's, UX&UV-99's & WD-11's with good emissions. Few of each. State type needed. SASE Bud Bedker, 66 Cloverside Ct., West Seneca, NY 14224

**WANTED:** Meter catalog info (repro okay) prior to 1925. Portions of larger catalogs. Leonard Cartwright, 113 Sea Terrace Way, Aptos, CA 95003

**FOR SALE:** 1925 Operadio speaker - \$75. 1929 Temple "Cathedral speaker" - \$70. 1926 AK speaker - \$70. 1924 Magnavox horn "R-3" - \$95. 1925 Freshman Masterpiece, near mint - \$125. All sets pp. George Friedrich, 7162 Lake Jacqueline, Custer, WI 54423

**FOR SALE:** Heathkit Model GR-81 TRF Radio, with manual - \$20 plus UPS. It works. Walt Joyce, 2118 East Q-5 Ave., Palmdale, CA 93550

**WANTED:** Dial scale for Philco #20. Info on Heritage #13-7S superhet cathedral. Anybody have one? J. Downes, 607 East 12th Ave., Covington, LA 70433. (504) 892-6250

**WANTED:** Top dollar paid. FADA, Addison radios in bright colored Catalin plastics, any condition. David Brenner, 71 Burdette Rd., Atlanta, GA 30327. (404) 257-1665

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835 Bricken  
St. Louis, Mo 63122

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**CLASSIFIED ADVERTISEMENTS**

**WANTED:** Copy of complete instructions for operating a Supreme tube tester Model 385. Glen S. Lee, RR#2, Mt. Brydges, Ontario, Canada, N0L 1W0

**WANTED:** Victor Electrolas "Tuscany," "Alhambra," "Hyperion," etc. Tracy Sands, 1520 W. Juno Ave. #C, Anaheim, CA 92802. (714) 491-8546

**FOR SALE:** Aeriola Sr. Radiola II. Radiola III. Radiola III-A. Radiola Bal. Amp. Nuetrowound Model C-6. Crosley 51. Crosley 51SD. Murdock Nuetrodyne C.S. 32. Grebe MU-1. Crosley Trirdyn, 3 tube, no cab. Arborphone model 27. AK 20. Big Box. L'tatro 32V tombstone. Freshman Masterpiece early AC set. Stewart Warner early AC set. Radiola AR-812. Radiola 60. National NC-40. Supreme Diagonmeter. General Wavemeter. Stewart-Warner Breadbox. AK 20 Big Box Chassis. AK 36 Chassis w/pwr supply. AK 55C Chassis. AK 67 battery chassis. AK type L chassis. United-Lansing model 150 uses Kellog 401A tubes. Showers Consola model 20 chassis. AK 20 compact chassis. AK 30 chassis. Riders manuals. Radiola Service manual with pictures. Crosley Service manual. Philco Service manual. Radiola 103 spkr. Sigma Horn spkr. AK "H" horn. Crosley Dynacone. Misc. Philco & AK spkrs. Radio News, Shortwave Craft & Misc. Mags., 20s-30s. Crosley Ceramic skts. Crosley Rheostats. Set of coils for Superwasp in orig. boxes. 01-A's, 99's, 50's, 10's, 245's & lots of misc. early tubes. Best Offers. Carl Bocock, 414 Brookside Terr., Moore, OK, 73160. (405) 794-8033

**FOR SALE/TRADE:** Black silk covered phonograph horn, no dents, small rip in silk at the small end, make unknown, 16 1/2 inch bell, 23 inch long. Wanted: 14 inch Edison standard phonograph horn (no dents and/or Edison model C Reproducer. Leonard J. Arzooonian, 12 DeFillippo Ct., North Providence, RI 02904. (401) 353-4656

**FOR SALE:** Several Philco Cathedrals, various tombstones, art deco, woods & plastics. SASE. Ripley, 2276 Holloway, Maplewood, MN 55109

**FOR SALE:** Atwater Kent Radio Instruction Book, Vol. 1 available in photostat copy form. Breadboard models 9, 10 & 12 and AK 19 & 20 models illustrated. 39 pages. \$7.50 includes handling & postage. Richard Arnold, Box 786, Ardmore, OK 73402

**FOR SALE:** Radiola 26, missing speaker and grill - \$75. **WANTED:** parts for Radiola 26 battery box or info about same. Chassis for Radiola 21, 22, 44 or 46 with good pot metal. John Schneider, 1718 NE 98th St., Seattle, WA 98115. (206) 527-3198



**CLASSIFIED ADVERTISEMENTS**

**WANTED:** TV magazines & literature from the 20's & 30's. Trade early 20's Radio News. R Brewster, 454 Diablo Dr., PGH, PA 15241

**WANTED:** Baldwin "E" phones or "C". M4 Magnavox horn. Pre-28 battery German receivers. Base & driver UZ1325. Chuck Strozier, 24100 #E Avenida Rancheros, Diamond Bar, CA 91765. (714) 594-5922

**WANTED:** Philco 60 chassis. Instruction manual for Heathkit Impedance Bridge. Mark Ingenthron, 9215 W. 83rd, Overland Park, KS 66204

**FOR SALE:** AK reprints w/photos, schematics: AK Radio Service Manual, 98 pgs., 1928 factory service manual, covers breadboards to model 52 - \$11.95. AK Radio Parts List, 64 page companion to above, shows photos of chassis and lists parts for models 9 to 67 - \$10.95. Both books cover horns, speakers. Price includes shipping. Vintage TV & Radio, 1204 Andrews, Lakewood, OH 44107. (216) 226-4054

**WANTED:** Information concerning the origin of a European crystal set marked VAAM. Robert Stapleford, 1800 Randolph, Topeka, KS 66604

**FOR SALE:** Federal 59, good cond, works - \$450. Philco 60 cathedral, restored, works - \$150. FADA orange set, excellent cond, no cracks, works - \$150. Gloritone cathedral, restored & working - \$150. Gerald Thuring, 150 Highland Cross, Rutherford, NJ 07070. (201) 935-0047

**CLASSIFIED ADVERTISEMENTS**

**WANTED:** I would like to correspond with anyone owning a Madison-Moore Superhet. Also, Madison-Moore "One Spot". The Madison-Moore was written up in Citizen's Radio Call Book for Spring 1926, Vol. 7, No. 1. The "One Spot" was described in Dec. 1926 Citizen's Radio Call Book. Edward G. Crosby, Jr., 29 Chestnut Hill Rd., Stafford Springs, CT 06076

**WANTED:** Timbretone wooden horn speaker. This speaker has a four-sided horn with a base shaped like the body of a violin. Arie Breed, 510 Lake Drive, Ottumwa, IA 52501. (515) 682-6925

**FOR SALE:** Just purchased 30,000 new tubes - 50¢ to \$3 each. SASE for list. Offers considered on 1000 or more. Vintage TV & Radio, 1204 Andrews, Lakewood OH 44107. (216) 226-4054

**WANTED:** AK L driver assembly or base. Contact with Radiola 26 owner. Brian Roberts, 3068 Evergreen, Pittsburg, PA 15237

**FOR SALE:** Four issues of Radio News magazine: May, June, Aug & Nov 1924 - \$32.50 ppd. Riders Index for Vols. 1 to 10, rare hardbound book version - \$18 ppd. Barawik Co., Chicago, 1929 Catalog, 264 pgs., excellent condition - \$14.50 ppd. Radio World magazine: have complete sets for 1930 to 1933 - inquire. Misc. radio literature on my 4-page October List. Send 25¢ and large SASE. Gary B. Schneider, 9511 Sunrise Blvd., #J-23, N. Royalton, OH 44133. (216) 582-3094

## WANTED WESTERN ELECTRIC TUBES, SPEAKERS, HORNS & AMPS

**TUBES:** 300A, B, 274A, B, 262A, B, 275A, 350B, 284D, 252A, 271A, 242A, 348A, 349A, 301A, 339A, 205D, E, F, VT52, VT1, VT2, 211, 212, 104D, 216A.

**SPEAKERS:** 555, 594, 596, 597, 713, 754, 755, 728, 4151, 4153, 4181, 4194, 753, 757.

**HORNS:** 22, 24, 26, 25, 12, 6368, 15A, 13A.

**AMPLIFIERS:** 86, 1086, 91, 22, 94, 95, 105, 106, 120, 121, 130, 131, 124, 129, 142, 143.

### VICTOR VICTROLAS, EDISON, ETC.

TUBES: TELEFUNKEN, GENALEX, RCA, RADIOTRON, ETC.  
GENERAL ELECTRIC, AMPEREX, JAN, SYLVANIA, GEC, NATIONAL UNION

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**CLASSIFIED ADVERTISEMENTS**

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**FREE:** For latest flyer, No. 186D, send 2-stamp SASE to Olde Tyme Radio, 2445 Lyttonville Road, Silver Spring, MD 20910

**FOR SALE:** 1933 Model 45 Philco, real clean, consol - \$150. 1939 Model 10S 669 Zenith, mint, console - \$150. Zenith 1937 Model 9S234 chassis, clean, works - \$35. National NC-183, almost mint, FOS pg 240 - \$150. Old Heath Xmitter TX1, 110 lbs, fine shape - \$100. Amateur radio parts, tubes and more. One record player, real old, good shape - \$30. For more information, send SASE or \$1 for picture of one unit. Shipping extra. Chuck, Box 598, New Haven, WV 25265. (304) 882-2220

**WANTED:** Remote control for Scott 800B. Remote control for Radiola 86. Knobs for Westinghouse AR-12. Crosley clock radio model D-25, any color except green or red. **FOR SALE:** Misc. WE items. SASE for list. Dick Kaduce, 940 Gilbert St., Eau Claire, WI 54703. (715) 834-6020

**WANTED:** Radiola AC Amp (RS style). Knobs for Scott Super XII. J. Mason, 90 N.W. 150th, Beaverton, OR 97006

**WANTED:** Any info on Peerless Wireless, Milo Bailey, Thomas E. Clark (Tecla), all of Detroit and any other Michigan manufacturers. Brochures, ads, articles, photocopies OK. Tips welcomed. Oran Sauder, 316 Wellington, South Lyon, MI 48178. (313) 437-4413

**WANTED:** Large old-time high voltage variable capacitors. TCBA, RD 3, Box 181, Glens Falls, NY 12801

**WANTED:** Three Crosley terminal posts. Base, with or without driver, for horn with 3/4" dia. opening. Schematic for RCA IP-501. Mike Martin, 710 Colorado Ave. Louisville, KY 40208

**WANTED:** Lincoln Symphonic. Any original Lincoln literature. Tony Peterson, 800 126th Ave. NE, Blaine, MN 55434. (612) 755-6383

**WANTED:** Old light bulb sockets. Giesler tubes, etc. Rob Simon, 1 So. 130 Radford Ln., Villa Park, IL 60181

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**FOR SALE:** 1918 Stromberg-Carlson type 896 oak phone - \$225. Peelless speaker for parts - \$7.50. Radiola III, open audio/slight crack - \$45. Hickox #51X tube tester in oak case, untested - \$10. Industrial instruments RC conductivity bridge (green eye tube) oak case - \$18. All less shipping. **WANTED:** 40's - 60's toy radios (Remco, Rocket, etc.). Dave Minchella, 80 Campfire Rd. N., Henrietta, NY 14467. (716) 359-3337

**FOR SALE:** Approx 200 radios. Battery, AC, table models, consoles, breadboards. Some restored, some as found. Name brands, kits, homebrew, i.e., DeForest F-5, Browning-Drake, Bremmer-Tully, Sparton, Balkeit, Amrad, Kolster, FADA, Splitdorf, S. C. Treasure Chest, Kellogg, etc. George Kay, 429 Park Ave., Worcester, MA 01610. (617) 755-4880

**FOR SALE:** 1934 GE Model 81, 8 tube - \$195. Zenith Model 95232, rare, xcellent cond. - \$250. Pictures on request. Pick up. D. Hall, 1500 Turner St., Old Hickory, TN 37138

**FOR SALE:** Tube testers: Hickok Model 6000A - \$50. I-177 with adapter MX-949 - \$40. Both look new, with manuals. Ward Becht, 625 Tufts Ave., Burbank, CA 91504. (818) 842-3444

**WANTED:** Info on National NC46 RX wiring, etc. All mail answered. Gene Reynolds, 53 Marple Rd., Haverford, PA 19041

**FOR SALE:** Westinghouse RC, fully restored and very nice - \$175 or will consider a trade. Also have parts left over from a restoration job. Send SASE for list. **WANTED:** A dial for a Philco 60. Paul D. Dillard, 1313 East Wheeling St., Lancaster, OH 43130. (614) 653-5268

**WANTED:** Working wire recorder and wire. Also a 32 volt farm radio. Paul Bourbin, 25 Greenview, San Francisco, CA 94131

**FOR SALE:** Sparton 5218, near mint - \$85. Philco Safari, exc. working - \$160. Transoceanic, Y600, exc. - \$65. Grundig Majestic - \$35. Quack medical devices. Craig Smith, 1935 1st Ave. S., St. Petersburg, FL 33712. (813) 822-7592 days

**WANTED:** Need several chassis parts and power on lens for Philco 39-45. Will buy entire chassis if glass dial is present and undamaged. Ken Strack, NRTF Box 49, Annapolis, MD 21402

**FOR SALE:** Amateur radio receivers, transmitters. Kellogg console. Small broadcast radios. SASE for list. K4UJZ, 608 West Thompson Lane, Murfreesboro, TN 37130. (615) 893-5344

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**CLASSIFIED ADVERTISEMENTS**

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**WANTED:** Marshall escutch-  
eon, 5-1/2" x 2-1/4". Will pay  
\$10. I need one. Write.



**WANTED:** Chassis & speaker for Super Buddy  
Boy. Paying \$50 - \$100 plus postage. Chassis  
& speaker for Lyric S-6, 57 or S62. Paying  
\$50+. ERLA grandfather clock radio (same size  
as large GE). Paying #300 - \$600. Will pick up.  
Picture please. Will pay \$200 to \$400 for any  
Grandfather clock radio not in my collection.  
Send photograph. Karl Mauthei, 3318 Putnam  
Ct., Fairfield, CA 94533

**FOR SALE:** Sixteen wire loop antenna. Best  
Offer. See cover November 1986 issue ARC.  
McRoberts, PO Box 934, Racine, WI 53405

**WANTED:** Anything Leutz. Pay cash or trade  
for Scott, McMurdo Silver, etc. Martin  
Needleman, 1618 Winchester Rd., Annapolis,  
MD 21401. (301) 757-4627

**WANTED:** Cabinet for Philco 90. I need tubes  
for many Zenith console radios. Does anyone  
have an extensive Zenith collection, so that  
possibly I can match model numbers with the  
proper knobs? Call (616) 343-7072 or 342-  
1512. John P Den Hartigh, 5274 Market  
Street, Kalamazoo, MI 49001

**FOR SALE:** Crosley Trirdyne 3R3 - \$75 plus  
shipping. **WANTED:** Small pointer knob for  
Super Zenith VII, VR pg. 116. Jim Barrows,  
15121 41st Ave. S.E., Bothell, WA 98012.  
(206) 337-4880

**WANTED:** Cabinet for Magnavox TRF-50  
Model A. Also loudspeaker for 1928 Kolster K-  
21 receiver. L.G. Schiebel, 440 Raymond Ave.  
#3, Santa Monica, CA 90405

**WANTED:** Need schematic for Brunswick  
Model 5KR. Dan (801) 250-9527

**FOR TRADE:** Air King Camera Radio, v.g.;  
Kennedy 281, ex.; very rare AK "K" speaker,  
v.g.; AK distributor "H". **WANTED:** Early RCA  
equipment in good condition: Concert, Aeriola  
Jr., Grand, ER 753, RS. David Moore, 3213  
Regal Oaks, Pearland, TX 77581 (713) 485-  
1705

**FOR SALE:** Radiola 33, fair paint, works great  
- \$50. UHF converter "Granco", 2 tube, works  
- \$15. Philco 511 metal case with tubes, not  
working - \$15. Hickox tube tester, works - \$15.  
Shipping extra. Jahan Acciavatti, PO Box 231,  
Southboro, MA 01772

**FOR SALE:** SAMS I-400, looks complete -  
\$75 + shipping. Also Riders Radio, #1-23 (all  
23) - \$250. #1 - 5 Abg+6-23 - \$200. Postage  
collect. Will trade for pre-1950 TV's! Harry  
Poster, Box 1883, So. Hack., NJ 07606. (201)  
794-9606

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**CLASSIFIED ADVERTISEMENTS**

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**WANTED:** Rogers batteryless radios. Also  
grandfather clock and Dionne Quintuplets  
radios. C. Watts, P.O. Box 422, Paris, Ontario,  
Canada N3L 3T5

**WANTED:** Hallicrafter Model SX-62 (A). Need  
not be operating but desire one in good  
physical condition. Irv. Eilers, 4540 Palmero  
Dr., Los Angeles, CA 90065. (213) 254-0987  
after 5 p.m. PST or leave message

**WANTED:** Zenith Transoceanic parts: volume  
knob for chassis 6R40, complete antenna or  
knob for 8G005. Jim Conaway, 610 Ashford  
Rd., Wilmington, DE 19803. (302) 571-9062

**WANTED:** RCA 77DX Mic. & oblong-shaped  
pwr. XFMR for GE #F-107 motor drive of  
1938. Mike Koval, 1012 Grand Ave.,  
Cincinnati, OH 45204

**WANTED:** Bakelite Radios. Emerson,  
Motorola, Gerod, Sentinel, etc. Will pay or  
have Wurlitzer #61 countertop jukebox to  
trade. A. Scarfogliero, 13 4th St., Brooklyn,  
NY 11231. (718) 858-1231

**WANTED:** Wurlitzer horn speakers. Also  
Wurlitzer radios and related items. Larry  
Babcock, 8095 Centre Lane, E. Amherst, NY,  
14051. (716) 741-3082

**FOR TRADE:** Mirrored Spartan, exceptional  
condition for catalins, or Deco style radios.  
Robert (408) 286-2483 (PST) Evn.

**FOR SALE:** Bing Crosby Junior Juke - \$200.  
K. Tornberg, 1918 Tamarind Ave., Los  
Angeles, CA 90068. (213) 467-0287

**FOR SALE:** Edison C4 Radio/Phono. Best  
Offer. Ancman, 6401 Warner #534, Huntington  
Beach, CA 92647. (714) 847-4140



**WANTED:** Sears Silvertone 1930's bakelite or  
plastic radio shown in photo above - top price  
paid! Also wanted - Spartan Blue Mirror radio,  
about 46" high. Eric Brill, 115 River Road, Cos  
Cob, CT 06807. (203) 629-1756

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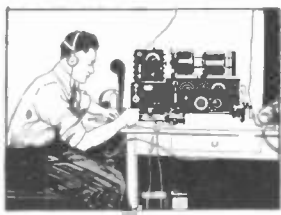
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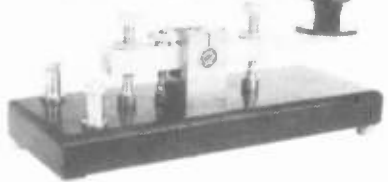
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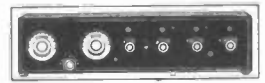
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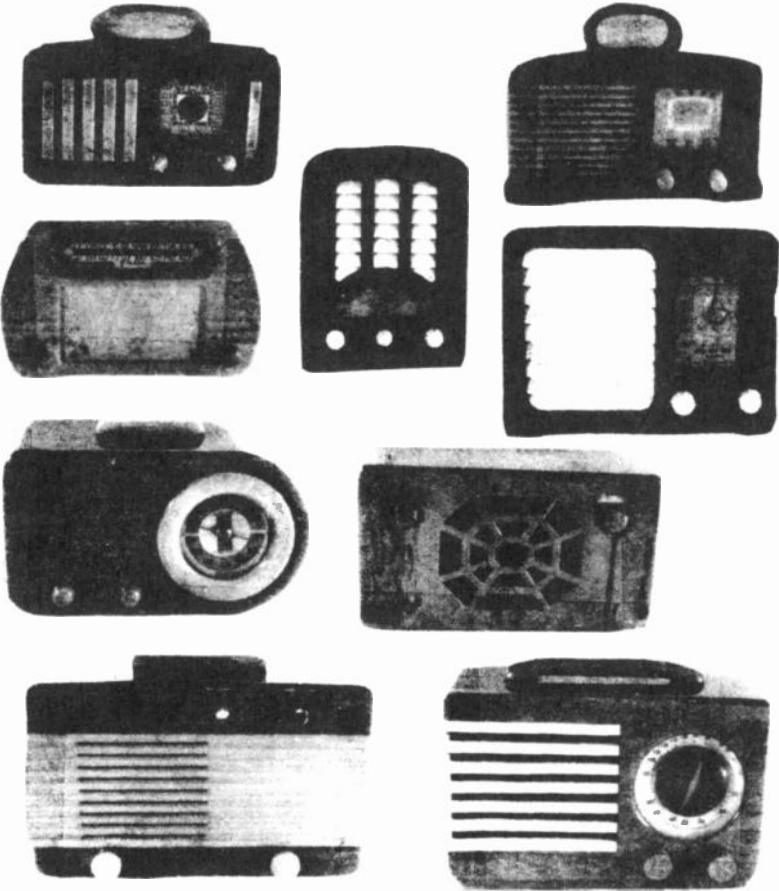
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  4. Fada Bullet Radio, maroon & yellow...375
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  6. Motorola 7-inch Portable TV.....125
  7. Philco 90 Cathedral Radio, excellent..375
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205F.....\$14	211D/E.....\$30
217A.....\$15	242A/B/C.....\$22
247A.....\$6	252A.....\$100
262B.....\$8	271A.....\$20
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300A.....\$100	300B.....\$70
310A, mesh plate.....\$7	339A.....\$12
347A.....\$8	348A.....\$8
350B.....\$24	VT 25/25A.....\$6
	216A.....\$15
	244A.....\$6
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	274A/B.....\$30
	284D.....\$60
	301A.....\$10
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	VT52.....\$10

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