

VOLUME 3

APRIL 1986

NUMBER 4



PENTATRON 101

ANTIQUE RADIO CLASSIFIED

Publishing Details

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

Second-class postage paid at Cleveland, OH.

Publisher and Editor - Gary B. Schneider.

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Purpose

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

Display Ad Rates

Antique Radio Classified accepts display advertising for 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:

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1/4 Page	5-1/4"	Н	x	3-3/4	W7.50
1/8 Page					W3.75

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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 10th of the month before next issue. All issues mailed on the first of the month.

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, \$15.00 per year. Sample issues: \$1.50.

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.

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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.



TELL YOUR FRIENDS TO PLUG INTO AN A.R.C. SUBSCRIPTION



As an older collector (80 years old) who built and used radio back in the 20's, I am a little upset by newer generation collectors who grab an old junker and want to trade it for a radio in good or first class condition. They seem to think that if a radio looks O.K. - thats it!, and trade it off with bad tubes, messed-up speakers, poor wiring, bad parts, etc. However if the item they get in trade is not about perfect they really "Squawk" about it.

I've had dealings with three different men during the past year who seemed to fit that description. These men-(names deleted by editor until facts are gathered)...

I've never had any problems with old timers Chet Wisner, Albert Warren, Paul Douglas and others. If a tube is bad or breaks in shipment they'll gladly replace it, etc. They realize that one can't make a claim with UPS very well without losing the radio.

What I've been talking about particularly applies to trades where one has a photo and description to go on. You have to trust the other fellow; if he doesn't know or care - your in real trouble. Outright sales aren't bad but trades are a real problem. One reason I'm saying this is that all three I mentioned take advantage of your free ads. It looks like free ads are overdone, doesn't it?... Sincerely, William Irvine. P.S. - I was wondering how it would do to make up a sort of list calling it "The Ten Commandments" (in this case - seven) on how to treat your fellow collector so that both of us prosper and remain friends. Needless to say there are many views on the subject, but here are a few of my thoughts:

- I will not go into old radio collecting with the intention of doing it for profit only (unless you clearly state you are a dealer. which is to be expected in any facet of business).
- I will be friendly and helpful with my fellow collector so we'll both be happy.
- I will be careful in describing the item in question.
- 4. I won't try to trade something in poor condition without saying so and value it accordingly (just sending a photo isn't enough to adequately judge the true condition of an item - such as the inside of a set).
- If something traded to me has a problem I didn't expect, I won't be too quick about reacting and try to be sure my conclusion is right.
- I won't always take someone's word about something - he may not be knowledgeable about the item.
- Treat other collectors and the deals you make - as you, yourself, would expect to be treated.

(Editors note: Would like to hear from other readers about your problems with dealing with other collectors. A.R.C. does maintain a list of complaints received and will try to see nc collectors are taken advantage of by repeated offenders.

READERS COMMENTS...

DEAR GARY - I would like to see some sort of a list of people who do rebuilding of some radio items that you can no longer buy, such as the following services: (1) Speaker reconing at about \$1.00 to \$1.50 per inch. (2) Rebuilding auto radio vibrators - all types. (3) Rewinding of small audio and interstage audio transformers. (4) Rewinding of output and power transformers and speaker field coils. (5) Rewinding of oscillator and I.F. coils. (6) Sources for die-cast parts, wood knobs, decals, logos, etc... Thank you - Frank Krantz, Somedale, New Jersey.

EDITORS COMMENTS - Yes, I agree, there is a need for such a list of services that are available for collectors. In past issues of A.R.C. I had a column called "Where To Find It". The response to those in the hobby to have their name listed as a service or source was meet with not much success. I know many of A.R.C.'s subscribers provide a service or have certain talents that they can provide, however it is up to them to disseminate this information to the rest of the readers in A.R.C. My original idea was to run this column every three months which would allow for proper exposure of their services. I would be willing to try it again if the response warrants it. These services would be listed on a separate page and are available at a cost of 10 cents per word. Unforunately our high cost to print each page of A.R.C. prevents us from making this a free listing. Additionaly, there are many other collectors and companies that provide services, but who are not subscribers. It is their loss if they do not see the potential gains they may receive by being a part of A.R.C.'s large readership. (Gary Schneider - Editor)

FIND OF THE MONTH - Through a small ad in the local newspaper, I found an unabridged set of Riders manuals 1 to 5 that are still in the burnt orange cardboard boxes they were sold in. Total cost of the set - only \$30. (Leonard Arzoomanian - N. Prov., RI)



CONTRIBUTED BY: ED. MONTGOMERY, 1092 WILLOWBRANCH, JACKSONVILLE, FL 32205

BUILDING A HEADPHONE MAGNET RECHARGER

HEADPHONE MAGNET RECHARGER -PART 1: This article will show you how to build a device for recharging the magnets of headphones. Due to the long length of this article, it will be present in two parts, the second part appearing next month. (GBS)

INTRODUCTION

Having quite a few headphones with weak magnets inspired me to desire having a device that would recharge these magnets. I ran an ad in ARC seeking to obtain a ready-built unit that would accomplish this feat or information that would aid in construction and operation of same. I received many answers to my ad, mostly from persons also interested in obtaining such a device or information that I might receive in connection therewith. Using a magazine article (c. 1938) furnished me by Herb Hayden of Jacksonville on a double coil horseshoe magnet charger as a starting point, I dug up an old heavy duty low voltage field coil and pole piece. I showed the article and the coil to John Popp. a young local fellow, collector and all-around electronic and mechanical wizard as well, I told him what I had in mind and he said, "Just give me the coil and I will bring back to you a complete magnet charger quick like a rabbit". He lived up to his word and on the very next day he delivered the goods. It proved to be functional. John manages a chain muffler shop and also does a lot of the mechanical work. He is restoring several old cars he has collected and has a nice collection of antique radios and accessories.

Over a period of weeks, I did much experimenting with the magnet charger. I conceived the idea of incorporating plate "H", and pole gap inserts Q-1, Q-2, and P (see diagram). I fabricated and installed these items, did all of the operational experimenting, mounted assembly on baseboard and built and used a power supply capable of delivering 6 to 32 Volts at 8 Amp. DC, all voltage readings made under load. Unless you have the aptitude and proper equipment for accurate cutting to size, smoothing out surfaces, slotting thick pieces of soft iron, locating precisely centers for drilling, tapping out and cleaning holes straight through thick iron and making precise measurements, I would recommend having a qualified machinist handle some of these operations. It is very important that you use softest iron available for pole pieces to reduce or eliminate residual magnetism. Finished parts must have smooth, square, and clean surfaces. Material listings and specs along with the various sketches should facilitate construction of this device.

CONSTRUCTION DETAILS

Materials involved and most assembly operations spelled out: J-1 and J-2 - 2 pieces, 3 inch long cut from aluminum angle material. Drill holes for E-1 and E-2 hex bolts and lock washers. (N) Soft iron pole piece, drill holes in both ends and tap out for 5/16 inch x 11/4 inch length, coarse thread stainless steel hex bolts E-1 and E-2. Slide magnet coil "F" over pole piece and secure at central point. If you do not have and/or can't locate a suitable coil readybuilt, fabricate a form and wind a coil with #18. 17, or 16 formvar or enamel copper wire. I already had a 4 inch long x 11/4 inch diameter pole piece and a factory made field coil 2 1/4 inch wide 3% inch diameter filled to the brim with 16 or 18 wire. A larger coil with more turns would be more efficient, B-1 and B-2 - Soft iron upright pole pieces. Drill holes large enough to clear 5/16 inch hex bolt E-1 and E-2 and also drill holes in exact center on top surfaces and tap out for C-1 and C-2 hex bolts. C-1 and C-2 - 1/4 inch #20 thread stainless steel hex head bolts 1¼ inch long. A-1 and A-2 - Soft iron adjustable pole pieces (fit across top of surfaces of B-1 and B-2 and immediately above plate "H"). D-1 and D-2 - Brass or s.s. spacers with 1/4 inch hole in center to go with C-1 and C-2 and add up to 7/16 inch thickness. Q-1 and Q-2 - Soft iron pole gap inserts (P) Aluminum spacer1/4 inch thick, wedges between Q-1 and Q-2. (H) Brass plate 5/32 inch thick and approximately



4 inch long and 3 inch wide mounts horizontally immediately below A-1 and A-2 (about 1/32 inch spacing) extending equidistant fore and aft from edges of A-1 and A-2. It serves as a bottom support for P, Q-1, and Q-2; makes A-1 and A-2 easier to adjust and helps determine center line of pole gap. It mounts with brass angles G-1 and G-2 which in turn are mounted with K-1, K-2, L-1 and L-2. Plate must be well secured and level. Holes in G-1 and G-2 are elongated to permit fine adjustment of spacing and leveling of plate "H".

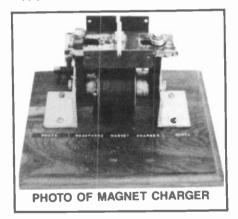
K-1 and K-2 are 6-32 N.P. brass F.H. screws¹/₂ inch long. L-1 and L-2 are 6-32 N.P. brass R.H. screws 1 inch lock washers and nuts also go with these. If brass angle material is not available, use soft copper strap material. At least 3/64 inch thick and 7/8 inch wide and form angles with it. Make bends square as possible.

After assembly is completed and fastened on board, slide A-1 and A-2 toward each other and see if they will meet (or almost meet) in top center. With hex bolts tightened, the mating surfaces of A-1 and A-2 should line up perfectly (or nearly so). Loosen hex bolts slightly and slide back A-1 and A-2 leaving approximate gap of¹/₂ inch each side of center line and insert Q-1, Q-2 and P pole gap spacers. Close gap by pushing A-1 and A-2 back toward center line wedging the 3 pieces in place and making sure they are seated properly. Tighten hex bolts applying pressure at ends of A-1 and A-2 simultaneously wedging the 3 gap pieces firmly in place.

No particular effort was made to show sequence of assembly operations. In general you should work from bottom to top. This assembly is free standing and sturdy but is mounted on a solid walnut board 7/8 inch thick x 10 5/8 inch wide x 91/2 inch deep for stability, appearance, and a place to mount binding posts. Drill two holes in J-1 and J-2 and mount assembly on board with four #10 wood screws. It is centered on board from side to side and is purposely spaced farther from front than from rear to distinguish front from rear for reference and operational purposes. The right side top of assembly represents Northpole insofar as compass indication is concerned. Item "P" can be replaced and/or supplemented with thinner or thicker aluminum inserts, to accommodate headphones with uncommon pole piece spacing or speakers with headphone-like drivers. These pieces can be fabricated easily. Install two binding posts on board and connect leads from coil thereto. The Northpole of a magnet is according to text books the "north-seeking" pole. A compass placed near a magnet pole marked "N" will read "S". In my article which is designed to cover re-charging magnets without changing their polarity, I refer to polarity indications that match compass readings consistently throughout.

OPERATION DETAILS

All set-ups and procedures from this point on are executed with me facing south toward sketches and magnet charger board front. This was done to correlate text with sketches and components being tested. Use power supply with output that can be varied from 6 to 24 voits at 8 amps, well filtered DC. This supply has a momentary contact switch and an ordinary switch in parallel with each other and in series with primary winding of transformer. Affix label marked North at top righthand corner as shown in front view sketch and one marked South in top lefthand corner. Connect wires from power supply to binding posts on charger board.



Switch on power supply and apply about 8 volts to charger. Hold magnetic compass abcut 6 inches away from righthand tip end of A-2 and take reading. If it reads *North*, make voltage polarity check at binding posts and mark posts to correspond to polarity of applied electromotive force. If *South*, use reverse polarity markings. After you operate charger for a while, you will probably find that residual magnetism will activate the compass. Make sure that you feed voltage of proper polarity into magnet charger before attempting to re-charge headphone magnets.

ADDENDUM: Photo of charger shows (2) "L" angle brass pieces, one each attached to front and rear of plate "H". They are not needed so I removed them and are not shown in text or sketches.

Continued next month



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



WESTERN COIL & ELECTRIC CO. - Model WC10, it is a 6 tube TRF set manufactured in Racine, Wisconsin, about 1924. (Walter Worth Wollaston, MA)



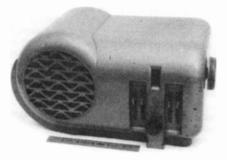
NORTHERN ELECTRIC - This R-1 is a onetube regenerative detector using a 215-A peanut tube designated R215-A in Canada. It is shown along with two R-5 audio amplifiers (also each with one R215-A), and a R-105 loudspeaker amplifier using a R216-A tube. The R-1 probably appeared about 1922, but its most recent patent date is 1919. Total price \$133.50. (Bob Murray - Winnipeg, Manitoba)



CUTTING & WASHINGTON - Type 11, 3 tube, detector & 2 A.F., manufactured about 1922 probably one of their first sets. Nice panel and workmanship, this set was written-up a couple of years ago in the A.W.A. bulletin. (Paul Thompson - Santa Barbara, CA)



SPLENDID DELUXE - One tube radio receiver, it uses a 201A tube. Type "B" is in a box type cabinet 10" wide, 8" high, and 7" deep. Manufactured by W.F. Mains Radiophone Co. of Cedar Rapids, Iowa, and Chicago, Ilinois. (David McKenzie - Eustis, FL)

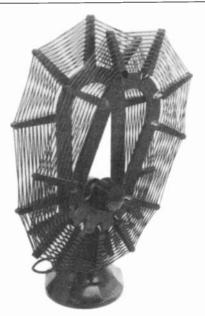


STEWART-WARNER - Model 97-573 ("Varsity") made in 1939. Metalic light blue finish on bakelite. Five tube AC-DC circuit with mechanical push button tuning. I would call this design & color "Art Yetcho"! (Robert Lozier, Monroe, NC)

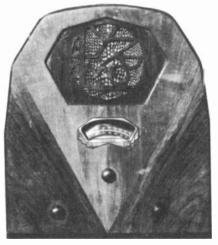
PHOTO REVIEW



INTERNATIONAL - 1931 "All Wave Duo", also sold under the Emerson and Acratone names. Two discrete radios in one, the set featured both broadcast and shortwave reception. The Duo had separate tuning condensers, dials, and controls on the same chassis. Uses 8 tubes - 2-24A's and 27 in shortwave circuit (Superhet) and 2-35's and 1-24A in broadcast circuit (TRF). (Bill Moore - Huntsville, AL)



TUNE-A LOOP - Loop antenna advertised in Radio News magazine 1925/26. Molded of bakelite. (Robert Lozier - Monroe, NC)



LEMOUZY - Model CZG-69, a 1932 7-tube superhet manufactured in Paris, France. It is a dual wave (long and medium) set and measures 19" tall, 17 1/2" wide, and 9" deep. It uses the most impressive tube I have ever seen in a radio, a Radiofotos Grammont G.100 pentode. The base has a 7" dia., the bu'b is 8 1/2" around the widest point and is 5 1/2" tall! If you look closely you'll see that the speaker grille-work spells out LEMOUZY and the unusual grille cloth is original. (Frank Heathcote, Logansport, IN)



ZENITH - This 1927 console, model 11-E, uses seven tubes and cost \$175. The Walnut cabinet was manufactured by the Superior Cabinet Co. of Muskegon, Michigan. (Karl Rommel - Lansing. MI)



FEDERATED PURCHASER "ACRATONE 117"

Many independent radio dealers and servicemen in the 1920's and 30's sold radios purchased from various catalog sales companies that bought radios direct from factories. Federated Purchaser Inc. of 23-25 Park Place in New York City, established in 1921, was one of the best known and claimed to be the largest radio replacement parts house in the country. They sold their own line of radios under the trade names **Melorad** and **Acratone** along with other radios, usually distressed merchandise, from manufacturers big and small.

The Acratone Model 117, also found under many other model numbers, was introduced in the summer 1931 issue of the Radio Bargain News, Federated Purchaser's cataloo, selling for \$18.85 or three for \$16.65 each. It was available in the plain front cabinet, shown pictured, or with a fancy repwood front as shown on the front cover of this issue. It was built by the Sterling Manufacturing Co. of Cleveland, Ohio, although some models say Republic Radio Corp., Cleveland. It is found with cabinet variations under other brand names such as Belnap and Pentatron. It is a 180 degree departure from Sterling's previous models such as the Jesse French Model "G", described in A.R.C., November 1984. Later Acratone sets were made by Kennedy, U.S. Radio, Clarion, Wurlitzer, and many others

The Model 117 can be found in Rider Volume 2 under Federated, page 1 (Acratone Model 2). It is a 5 tube set using three type 24 tubes in the two RF and detector stages. The detector is direct coupled to a 47 output tube. This is the only set that I have found using the Loftin-White direct coupled output circuit with a 47 tube. This circuit was quite popular with a 45 tube in many midgets in 1930. An 80 rectifier provides direct current and due to the L-W circuit very little filtering is needed. Only 2-2Mfd. and 1-1Mfd. capacitors are used. A 4700 ohm field coil, 6 or 8 inch Rola model F is used. Volume is controlled by varying cathode voltage to the two RF tubes.



This Acratone has an unusually shallow chassis, only 1¼ inches deep. The radio is only 13 inches tall, 10 inches wide, 8½ inches deep and weighs 22 pounds. The front panel is of walnut veneer. The arch is steel with a wood grain look finish. The base is a steel pan with wood underneath.

Although a rather cheap set and not particularly attractive, it is well built. It is quite basic and, after replacing faulty capacitors and resistors, should be trouble free. The Acratone's unusual construction makes it an interesting and usually cheap acquisition. The repwood front model is much more desirable and of course is usually more expensive. Neither set seems very rare.

Next month will feature the Model 42 "Coronet" midget set. The first midget set manufactured by "The Royalty of Radio", the Colin B. Kennedy Corp. of South Bend, Indiana. (Frank Heathcote)

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

FRONT COVER STORY



PENTATRON 101

PENTATRON 101 - same as the Acratone 117 featured in this issue's Collectors Corner and also shown on the front cover. A five tube TRF introduced in 1931, built by the Sterling Manufacturing Co. for the Republic Radio Co., both of Cleveland, Ohio. Sterling's manufacturing facilities in Charlotte, Michigan were bought by the Wilcox-Gay Radio Corp. in mid 1932. (From the collection of Frank Heathcote - Logansport, IN)

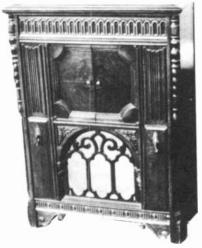
MORE CLASSIFIED ADS

NOTICE: Due to the large number of ads omitted (due to lack of space) in the Apr. issue, it is imperative that your May ads be submitted <u>ASAP</u> before all available space is utilized. - Editor

WANTED: A plastic dial log for a Radiola 33, a cabinet for a 7 x 9" panel; aluminum collars as used on Westinghouse DA & RC tube sockets. FOR SALE: DeForest D-10, original crystal detector - \$420; 1946 & 1947 QST, 24 issues - \$10 per year; Magnavox R3-B speaker - \$80. Pictures and list of radios and stuff - send SASE. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456 (314) 735-2945

WHAT IS IT?...

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



WHAT IS IT? - What, no legs! Does anyone know what the missing legs look like on this Temple console? An illustration would help me to make them. (Alan Brehaut, 22A Cain Street, Timaru, New Zealand)

NOW YOU KNOW ...

Now You Know - Ever wonder what the reason three-element tubes (226's, 227's, etc.) intended for amplification with AC on the filament are designed for low filament voltage? Do such tubes have any advantage over tubes designed for higher filament voltage? When AC is used on the filament there is considerable hum, and the amount of hum depends on the value of the filament voltage as well as on the ruggedness of the filament. The lower the filament voltage the less hum and also the more rugged the filament the less the hum. Hence amplifier tubes, especially those in stages other than the last, are designed with a low filament voltage and heavy filament current. In the power stage it is not necessary to use low voltage on the filament because the hum is not amplified by any other tubes. Hence the hum is not noticeable. (RADIO WORLD - October 11, 1930)



COMING EVENTS - For a complete list of upcoming radio meets please see last months A.R.C. (March - page 14) for complete details. The following are new events that were just announced.

TEXAS - Vintage Radio and Phonograph Society is conducting their Spring Auction this coming month, April 26th, 1986. Contact VRPS for further information. VRPS, PO, Box 165345, Irving, Texas 75016

NEW YORK - Greater New York Vintage Wireless Association (GNYVWA) will hold a one-day Spring meet at "Voice of the Twenties" radio museum in Orient, New York, Date is Saturday, May 17th, starting at 9:00 AM. There will be a flea market, a small auction and, if practical, a contest. The radio museum will be open all day for visiting. Information contact: Ralph Williams, RD1 - Box 44, Orient, NY 11957



TEXAS - Seventh annual Houston Vintage Radio Association show and auction will be on Saturday, May 3rd, at the Memorial City Shopping Center. Information contact: Ron Taylor, 12407 Mullins, Houston, TX 77035

RADIO TRIVIA

RADIO TRIVIA & FOLKLORE - I seem to recall that one company was making a tube advertised to have a "golden grid". Some of my customers were beginning to ask for those tubes as a complete replacement. As it turned out they were somehow spoofed into



The January show was super.... so here we go again!!! RADIO XVI

will be held at the Rivers School in Weston, Mass. on Sunday April 6th from 8:30-3:00. There will be an auction, food, a contest for the best "Boston Area Receiver", flea market tables and more.

If you haven't been to one of our shows, write or call for information.

Dave Crocker. 6 Old Farm Road. Duxbury, Ma. 02332 Tel. (617) 585-5650

NEW YORK - N.F.W.A. Meet Saturday, May 10th, 11:00 AM to 4:00 PM. Located at Wilson Historical Society, Route 425, at railroad crossing, Wilson (Buffalo), New York, Flea Market 11:00 to 2:00, talk on British crystal sets by Andre Nolf at 2:00 PM. Nice display of rare British crystal sets and novelties. Will conduct contest on crystal sets and headphones catagories. Coffee and donuts available. For more info contact Niagara Frontier Wireless Association, Box 68, Buffalo, New York 14215,

INDIANA - Indiana Historical Radio Society will be conducting their largest meet of the year this coming April 19th. This well attended meet draws in collectors from all over the surrounding states. Located at the Auburn-Cord-Dusenburg Auto Museum (well worth the visit just to see this great museum) in Auburn, Indiana. Meet will feature flea market, equipment auction, and contest. Information: Ross Smith, 1133 Strong Ave., Elkhart, IN 46514

MICHIGAN: Spring meet, Sunday, May 18th at the Sparton Clubhouse in Jackson, Michigan. Located in front of the Cascades Park. Karl Rommel and others will be displaying some of their prize Sparton items. Meet features swap session, mini-auction and Sparton items contest, for info call "Abe" Lincoln at 517-629-2376

believing an enrichment and mellowing of tonal quality could be expected from the gold plated grid tubes. Although the sets probably needed several tubes replaced anyhow, I secretly satisfied their quest for improved tone by installing an output tube plate bypass condenser. In those days most sets were lacking in bass response. (William Stuber - Woodward, IA)



CLASSIFIED AD DETAILS: Each subscriber is entitled to one free 20 word ad each issue. Additional words over the free limit are 10 cents per word. Enclose correct payment with ad, as we do not bill for ads. Ads must be received before the 10th of the month to appear in the following months issue. Late ads will be held for the following issue. Limit of two multiple insertions of same ad. Ads may be sent in advance, however each ad must be submitted on a separate sheet of paper, preferably a 3 x 5" index card. Publisher reserves the right to edit ads and is not responsible for errors due to illegibly written ads. OPTIONS: Shaded ads are available at a cost of 10 cents per word additional, including free words. Photo ads are \$5.00 each for half-tone charge. Allow extra time for processing of photos. B&W line-art drawings also accepted at a rate of \$1.50 per vertical inch, maximum width is 3½ inches. Custom ads made to order, send sketch of your ideas for quote.

FOR SALE: National NC-125, fair outside, plays well - \$25; Lafayette HA-520 FM Communication Receiver, 30-50 Mc, 140-174 Mc, good condition - \$20. Prices include shipping by UPS. DESPERATELY NEED Hallicrafters Model SX-62 receiver, must be in clean condition and playing. Will answer all - thanks! Ed Turner, 3536 Arden Blvd., Youngstown, OH 44511

FOR SALE: Atwater Kent breadboards: Model 10A - \$375; Model 10B - \$325; Model 9 with repro board - \$300. Several Atwater Kent breadboard parts: Variable condensers - \$30; mint 2 stage TA units - \$75; Variocouplers - \$80; other tuners and various parts available. Write me your needs. Please include postage. Jerald Hueber, 1002 Cedar St., Bonham, TX 75418

WANTED: Wireless books and magazines/collections. MarconiGraph, Electrician & Mechanic, Modern Electrics, Electrical Experimenter, Wireless Age, Wireless World, Radio Amateur News, Proceedings IRE and AIEE. Richard Groshong, 6604 Kent Drive, Cedar Rapids, IA 52402

FOR SALE: Magazines - Radio Electronics 1952 to 1961 - \$1,25 each. "Service" magazine 1953 to 1956 - \$1.00 each; Radio Craft 1947 to 1951 - \$1.25 each; Radio Craft 1940 to 1944 -\$2.00 each; Radio News 1935 to 1937 - \$2.00 each: Radio Index 1938 to 1939 - 6 for \$5.00; Radio World Weekly 1930 to 1936 - \$1.00 each; Howard Sams P.F. indexes assd - \$1.50 each; John Rider Successful Servicing, assd issues - 12 for \$2.00. Have Rider and Howard Sams for sale, Eight (8) page list for SASE. Tubes - N.O.S. and used, tested, most 4-5-6-7 pin, old. Octal and locktal in stock. Write wants and SASE. Minimum order \$8.00 plus shipping on all orders. Frank Krantz, 100 Osage Ave., Somerdale, NJ 08083

WANTED: Precision Equipment "ACE" AVA, AVB, AVC, & etc. Trades available. Craig Ball, 10101 Oak Hollow Circle, Austin, TX 78758

FOR SALE: Philco chassis and tubes only, no speakers or dial scales, untested: 38-10 - \$15; 620 - \$20; 144 - \$35; 38-10 - \$20; Model 16 with dial scale - \$40; 118 - \$40; 38-62 - \$15; 37-82 - \$20; chassis 60 (dial scale) - \$25; model 19 w/tune meter, dial scale - \$30; Model 45 w/speaker, dial - \$40; 38-8 - \$20. Also Motorola AM-FM HS-211 - \$18 chassis; Philco 38-62 cabinet & bezel only, needs cleaning - \$15; AM Bosch chassis 515 & SP. - \$20; Wilcox Gay chassis & tubes from record player & receiver - \$15. Have parts from AK-55C, "L": RCA Radiola 17, 18, 20, 25, 28 parts for sale. Loads of other parts. Headphones, working, pair - \$10.50. Shipping extra on all orders. Frank Krantz, 100 Osage Ave., Somerdale, NJ 08083

WANTED: Speaker for SCOTT TWO DIAL ALLWAVE 12; Speaker for SCOTT SINGLE DIAL ALLWAVE TWELVE; power supply and speaker for SCOTT SIXTEEN (the power supply and speaker from an early PHANTOM AM would substitute). HOWARD 490 communications receiver, also model 500, 501, 501 Deluxe. KENNEDY receiver using 66 series chassis such as: 266B, 366A, 366B, 766B, & 866B. KEN-NEDY SIXTEEN TUBE DELUXE. Also speaker and power supply for SCOTT ALLWAVE 23. Thomas Peters, P.O. Box 3925, McAllen, TX 78502

FOR SALE: Model 1204 Zenith 12 tube 3 band chassis with 12 inch speaker, knobs and escutcheon, good condition, sounds great - \$50. M.B. Gaskins, 227 Risen Ave., Campbellsville, KY 42718 (502) 465-3755

WANTED: PERLEZ 6-7 tube D.C., tuned R.F., 4 gang condenser, made in Chicago, pay \$75 plus shipping. F. Donahue, P.O. Box 230, Apple Valley, CA 92307

WANTED: Manual or schematic for Stoddart NM-22A, NM-52A field-strength meters. Sales literature, accessories for any model. Alan Douglas, Box 225, Pocasset, MA 02559

FOR SALE: Silver Cockaday 4 tuber (kit radio) with original instruction book including pictures of McMurdo Silver and Laurence Cockaday. Has complete set of Silver Marshall plug-in coils in original boxes, \$85. Philco 33B cathedral -\$50; Gloritone 27 cathedral - \$65; Radiola VIII - \$85; Peerless cathedral speaker - \$40; Wilcox Gay tombstone - \$60; AK-40 - \$35; Philco 65 (early AC) & Sandar cone speaker - \$45; AK "R" horn bell - \$12; AK "M" horn bell (brown) - \$15; Radiola 100 speaker (mint) - \$50; Universal cathedral - \$75; RCA "TA" horn (chipped) - \$35; Philco 20B cathedral - \$60; Madera clear horn bell (wood) - \$12; Brandes horn bell (papermache) - \$5. Gary Hill, 1507 Ridge Ave., New Castle, PA 16101

WANTED: Push buttons and knobs for Model 500 (early) Transoceanic. James A. Toney, 406 Roller St., Kingsport, TN 37660

NOTICE: The response to my February ad offering crystal set parts was overwhelming. I want to express my regrets to those fellows who's checks I returned at my own expense because I ran out of product. Also - to thank all those whose orders I filled and wish them well - Phil Weingarten.

WANTED: Grandfather clock radios wanted. Also other clock/radio combos, 1920's portables & WWI equipment. Anyone have a list of Grandfather clock radios manufactured? Mel Rosenthal, 507 S. Maryland Ave., Wilmington, DE 19804 (302) 994-0874

FOR SALE: Atwater Kent 1926 - 1927 service manual. Contains information on models 10, 10B, 12, 19, 20, 21, 30, 32, 33, 35, 50, and power unit model "R". Theory, schematics, possible troubles, testing, use of "power" tubes and special detector tubes. Some continuity test charts and lots of valuable information; even if it doesn't cover your particular model set. Forty-one (41) pages, \$12.00 shipped by First Class return mail. Gerald Koske, 10204 Thayer Road, Wonder Lake, IL 60097

WANTED: Have a Philco 52 (51 chassis) mantel clock radio - need the decorative top piece and finials (decorative wood turnings on top), or can anyone make the finials if I provide a sample? Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947 (219) 722-3612

FOR SALE: Books - Electronic Circuits & Tubes, 1947 by McGraw-Hill, about 1000 pages, price \$20.00 U.S.; Modern Radio Servicing, 1935 by Alfred Ghirardi E.E., 1300 pages, price \$25.00 U.S.; The A.B.C. of Radio Circuits by W.E. Miller, 62 pages, price \$10.00 U.S. James A. Mac-Donald, RR#1, Glendale, N.S., Canada B0E-3L0

CLASSIFIED ADVERTISEMENTS

FOR SALE: Kennedy 525 amplifier, San Francisco - St. Louis, with 2 good brass base tubes, looks fine - \$375; Philco 60-505, good, doesn't play - \$75; AK cathedral 1650, doesn't play, batt. - \$60; home brew 3-tube radio - \$30; FADA radio, gold celluloid, 8 1/4" x 4 1/2", square dial, has crack down front by grill, complete, plays - \$35; Tube checker filament transformer, # P-1834-3 - \$15; Book, hardback. The Coffman-Lattermar Apparatus & Laboratory Supplies, Columbus, Ohio, fine cond. - \$35; Allied Radio Handbook 1943 - \$5; Master Violet Ray, Master Appliance Inc., Marion, Indiana, 20 watt, 115V, black case, fine, works - \$35; Gem Ear Phones hearing device, The Gem Ear Phone Co.,, New York, in black case, very early - \$30. Edison Mabry, 715 W. Longview, Mansfield, OH 44906 (419) 526-1175

CLASSIFIED AD DEADLINE APR. 10TH

WANTED: Books, magazines, catalogs, any electrical subject before 1920, repro's okay. Leonard Cartwright, 113 Sea Terrace Way, Aptos, CA 95003

NEW ITEMS FOR SALE: Upright or chassis mount power transformers for 2.5 volt sets, \$32.50 for the 50ma type and \$39.00 for the 90ma version. Also 1921 DUCK catalog, 256 pages - \$18.75. RASCO Catalog, 1928, 144 pages - \$8.75. These are excellent reprints. -And now, something different... Replica "Read Radio News" cast iron paperweights that look like 0 to 100 tuning knobs. Almost 6 inches in diameter, circa 1925? You don't see many of these. Every display needs at least one, price \$14.95. You can get this good stuff either from me or my good friends at Antique Electronic Supply Co. out in Arizona. Peter Yanczer, 835 Bricken Place, St. Louis, MO 63122 (314) 822-1748. Please include postage with your order.

FOR SALE: Collection of table model radios from the 40's - 60's, fifteen (15) for \$200. Some wood, some plastic. Mike - (301) 228-3020 days or 228-4787 evenings.

WANTED: Midget bug made by Vibroplex or Junior bug made by McElroy Co. Gil Schlehman, 335 Indianapolis, Downers Grove, IL 60515

FOR SALE: Clean operational National SW-45 receiver (same as SW-5 except has PP 45's audio), 4 pair general coverage 2.5 to 22 MC and 20 & 80 meter bandspread coils. Nice homemade power supply, \$225 UPS paid. C.E. Filley, 1109 S. 2nd, Hamilton, MT 59840

HISTORIC WIRELESS ARCHIVES!: Radio Station Treasury (1900-1946), gigantic 176-page compendium listing stations that operated between dawn of spark & end of WWII. Frequencies, skeds, callsigns, slogans, licensee data, power, locations, etc. Covers AM & SW broadcasters, point/point, maritime, aviation, military, experimental, police, federal, secret WWII propaganda stations, longwave, more - worldwide! Comprehensive sourcebook directory packed with huge array of fascinating features & facts about tens of thousands of stations in every nation & category, of every size & type! Unique reference guide, nothing ever before like it. Only \$12.95 plus \$1.00 postage (to USA, Canada, APO & FPO), Order from; CRB Research, Box 56-ARC, Commack, NY 11725

WANTED: Sparton mirrored radios, write or call collect. Anthony Scarfogliero, 13 4th St., Brooklyn, NY 11231 (718) 858-1231

WANTED: Splitdorf cone speaker with moulded "wood" surround and base, shipping arranged. Alan Brehaut, 22A Cain St., Timaru, New Zealand

WANTED: MICROPHONES and related accessories used in commercial broadcasting prior to 1960, cash or trade. James Steele, 80 Central Park West (#24E), New York, NY 10023-5206

FOR SALE: Early TV parts - flybacks, horizontal, sync & vertical transformers, IF's, chokes, picture tubes, blocking osc., width controls, etc. Write or call with needs or SASE for list. Ned Carlson, P.O. Box 711, Normal, IL 61761 (309) 452-0496

WANTED: DeWald table model AM radios, all models wanted. Henry Sepanski, 8570 Benton Ave., Philadelphia, PA 19152

FOR SALE: Electron tubes - 56, 58, 76 - \$1.50 each, new, white box. Minimum order \$10.00. C. Dripps, 4331 Maxson Rd., El Monte, CA 91732 (818) 444-7079

NOTICE: For those who sent A.R.C. a SASE requesting information on the new Johnathan Hill Wireless Book, as of February we still have no information on the release date of this new book. Will notify you as soon as I hear from the publisher - Gary Schneider, A.R.C.

WANTED: Radio related items of all types for resale: signs, magazines, lamps, etc. Richards, 4039 Edwards, Cincinnati, OH 45209

FOR SALE: Auto Radio - vibrators, transformers, IF's, switches, static chaser, noise filters. Ned Carlson, PO. Box 711, Normal, IL 61761 (309) 452-0496

CLASSIFIED ADVERTISEMENTS

FOR SALE: AK-52 - \$45; AK-35 - \$40; AK-20 - \$50; Westinghouse RADA - \$200; Western Coil & Electric WC-10 - \$75; Erla 3 tube - \$75; Victoreen - \$50; Navy, no plate, 12 tube, w/t - \$45; Hallicrafter S-40A - \$75; RCA Radiola IIIA with Spe, adapter - \$175; three "B" eliminators - \$40 each. Three AERO coils, 235 - 550m, Aero 16 - 90m; Phanstiel vario and Phanst. coil; Allen-Bradley 3 stage amplifier - \$75; coil winder; also various variable condensers, rheostats, other items. Will accept trade for Silver Marshall sets. Need info for Silver Marshall Model 630. Ed Schmidt, 1865 Newark Drive, West Bend, WI 53095

WANTED: People to help locate early audio equipment - Marantz, McIntosh and especially Western Electric. Contact me for more information and pricing. Kurluff Enterprises, 4331 Maxson Rd., El Monte, CA 91732 (818) 444-7079

FOR SALE: Kapsch Deutshen Kleinempfanger DKE 1938. German 2 tube, 2 band "People's Radio" in excellent condition and working order. \$250 or want unusual cathedral, mantel, or art deco radios in trade. Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947 (219) 722-3612

WANTED: Collectors knowledgeable on the dollar value of old vacuum tubes. A.R.C. will be doing a survey on vacuum tube prices for a future issue of A.R.C.'s "Value Guide". NEED YOUR HELP! - Gary Schneider, Editor.

FOR SALE: Kennedy XV - \$225; Radiola III (nice) - \$50; Radiola 24 - \$150; Crosley 52 (vernier model) - \$75; HRO-5 with supply and 4 coils - \$125; Rider 1-3 (Radiotron) - \$30; Radiola Grand horn & driver - \$30. Bill Wakefield, 1753 Kimberly, Sunnyvale, CA 94087 (408) 746-0873

FOR SALE: Novelty Radios - \$2.50 shipping each. Snoppy on Doghouse, 1958 - \$40; Sesame Street Cookie Monster in Garbage Can -\$20; Mickey Mouse head - \$25; Coors Beer w/box - \$25; RC Cola - \$20; Shell Oil Can w/box - \$25; STP Oil Additive - \$25; Chevron Oil w/box - \$25; Valvoline Oil - \$20; Atlas Battery w/box - \$35; Rolls Royce w/box - \$20; "John" radio with Toilet Paper Roll Container - \$30; Coca-Cola bottle w/box (transistor version); Marlboro Cigarette box w/box - \$25; Mickey Mouse full figure reclining on yellow plastic radio (battery cover missing) - \$30; Coca-Cola Flashlite, same size as radio above - \$10; Lumitone Table Lamp-Radio (needs paint-works) - \$85 plus \$5.00 shipping; Radio-Keg, restored, \$150 plus \$10 shipping: Crosley Set of Books radio, restored - \$165 plus \$10 shipping; Philco Intercome Master, works - \$50 plus \$5 shipping. Will trade for Riders Volume 23 any above items with cash either way. Stan Lopes, 1201-74 Monument Blvd.,m Concord, CA 94520

FOR SALE: Rola Reproducer horn with good driver, works -\$75; Westinghouse Aeriola Senior, needs cabinet & proper terminal posts, was skillfully installed in a wrong cabinet, has two extra small screwholes edge of panel - \$60; "The Wireless Experimenters Manual" by Bucher, 1919-20, one very good copy \$20 and one good copy, but with some water stains in margin - \$12; "Radio Phone Receiving" Hausmann, Hazeltine. Morecroft, etc., 1922, one good copy - \$15; "Radio for Everyone" by Lescarboura, 1922, fair copy, loose binding -\$6: :How to Make Commercial Type Radio Apparatus" by Sleeper (volume 2 in the Henley 1922 series), fair to good copy, scarce - \$12 or trade for volumes 3, 4 or 5; "Beginners Radio Dictionary', Gernsback's Educational Library No. 5, 1938 - \$2; "How to Have Fun With Radio'', Gernsback's Educational Library No. 6, 1938 - \$2; or both of above for \$3 or trade for volume No. 3; thick old kind "78" records, pot-luck on 1910-25 tunes, \$3.50 each or 3/\$10.00. Terms: Prices shown plus UPS shipping, or will consider trades for Radio Amateur News, Radio News, wireless books, or what have you? Marc Gottlieb, 931 Olive St., Menlo Park, CA 94025

WANTED: Ocean cable telegraph equipment, literature & novelties, for cash or trade. R. Enemark, Box 1607, Duxbury, MA 02331 (617) 934-5043

WANTED: McIntosh MR-55 or MR-65; Fisher AM-80, state condition & price. John Peterson, 4333 9th N.E. - #D, Seattle, WA 98105-4708

WANTED: Picture tube tester complete in good condition. Fred Emerson, 627 Illinois Ave., Elgin, IL 60120

CLASSIFIED ADVERTISEMENTS

FOR SALE: Cloth Covered Wire - #20 solid tinned in four old time colors: yellow/green; yellow/blue tr.; red/blue tr., and red/green. Comes these four colors lossely twisted together, 15 feet long, \$6.00 Postpaid. Bruce Steller, Box 683, McMinnville, OR 97128 (503) 472-9716

WANTED: Any Radio Amateur News, Radio News 1920-22; Sleeper 1922 volumes 3, 4, 5; wireless books; antique tubes with filaments. All letters answered. Marc Gottlieb, 931 Olive St., Menlo Park, CA 94025

FOR SALE: Grunow Teledial, 15 tube, 3 speaker - \$150; Brunswick 18 - \$150; Majestic deco table set - \$45; Stromberg deco console - \$200; RCA 28 & 104 - \$200; United Unidyne w/crank phono - \$200; W.E. 25B amp - \$125; W.E. theater horn -\$150; massive tonearm - \$50; Motorola 7" TV - \$40; Lincoln Engineering turntable - \$40; Jensen coaxial speakers - \$50 pair; Gottlieb "Universe" pinball - \$100. Phone - (216) 867-7505 evenings (Akron, Ohio)

WANTED: Stromberg Carlson remote control and motorized volume control. A. Peterson, 800 126th Ave. N.E., Blaine, MN 55434 (612) 755-6383

WANTED: "Supplamental Tube Data" booklet (for older types) and instruction manual for Precision Apparatus Series 912 Electronic tube Tester. Bouldin Frantz, 7764 Old Mill Forest S.W., Roanoke, VA 24018

FOR SALE: Tubes and crystals, all types. Send want list to: Dave Konzek, P.O. Box 110994, Tacoma, WA 98411

WANTED: Listing of all Zenith Transoceanic model numbers. Any Transoceanic or Airline Movie Dial sales literature. L.B. Zimmerman, 8448 No. Harding Ave., Skokie, IL 60076

CLASSIFIED ADVERTISEMENTS

FOR SALE: Radio magazines and literature to include: 50 issues Electrical Experimenter 1916-20: 24 issues Radio News 1924-33; 23 issues Wireless Age 1920-25; 13 issues Popular Radio 1923-25; 16 issues Radio Broadcast 1923-30; March 1938 Radio Craft 50 year issue; misc Radio Weekly magazies 1930's; several AK catalogs; other misc. literature, books, catalogs, etc. For 2 page list send Large SASE and 20 cents to cover photo copy cost (my volume of mail warrants the requirement for SASE & mail expenses), Also available separately is a list of several hundred British radio magazines, if any interest in these send SASE and state "British Magazine List". Brings up another point to my mind throughout the year I receive hundreds of Self Addressed Stamped Envelope's (SASE), but no mention to as what the writer is requesting - I have no way of knowing what it is you want unless you state so. Gary Schneider, 9511-23 Sunrise Blvd., Cleveland, OH 44133 (216) 582-3094

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TRADE: FADA 1000, butterscotch yellow, in excellent mint condition for another brightly colored 1930's or 40's set in similiar condition. Photo requested with offer. Hall Acuff, 6833 Dartmoor Way, San Jose, CA 95129 (408) 252-1319

WANTED: 7.5V, 4 amp xfmr; 5V, 10 amp xfmr. National FB-7 Preselector (junker OK). Paul Gregg, 725 College Way, Carmel, IN 46032

FOR SALE: Rare Mallory Yaxley 1st Edition, January 1937 Limited Edition "Radio Service Encyclopedia" - \$15. Also Mallory 6th edition, 1948, \$5.00. Sold as set only, \$3.00 shipping charge. Paul Miller, 4811 Forest Ave., Ft. Wayne, IN 46815

FOR SALE: Floor model AC radios - 1929 highboys to 1937 consoles, SASE for list. Jim Norwood, 601 Mill, West Monroe, LA 71291

WANTED: Grunow chassis type 11A. Condition unimportant, coils are primary interest. Walter H. Peterson, 547 Preston Qtrs M-5, Mare Island, CA 94592

FOR SALE: Forty (40) old battery radios from the twenties. Also old horn and cone speakers. Sold in one lot only. Phone (216) 569-7570 Hiram, Ohio

WANTED: The small wooden knob (floral pedal design in center) for a General Electric K-50 catherdral, also used on other Kseries cathedrals and RCA's. Bryan Laughlin, P.O. Box 10081, Rochester, NY 14610 (716) 436-6716

FOR SALE: Ballast Tube Handbook - 58 pages of technical data, list well over 1800 tubes, American and European, \$7.50 Postpaid in U.S.A. Anthony Jacobi, 8053 Maywood, Ralston, NE 68127

WANTED: Wooden knobs for Victor RE-57 Radio-Phono. B. Kasindorf, 8 Maymont Dr., Framingham, MA 01701 (617) 877-4947

TRADE: Crosley Pup or old Lager Beerkeg for a spherical audion. WANTED: Pot metal drive for Zenith 1R. Don Iverson, 10115 N.W. St. Helens Rd., Portland, OR 97231

WANTED: Cathedral and mantel radios; especially early models, west coast makes such as Falck, Adams, Singer, Champion, Flint, etc... Unusual cabinet designs, mantel clock radios, novelity and minature cathedral radios. Will buy or arrange trades. Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947 (219) 722-3612

CLASSIFIED ADVERTISEMENTS

WANTED: If you have a Howe crystal set, could you please take a couple of close-ups of the coil, wiper and knob set-up for me. It comes apart easily. I'll replace your film. Does anyone have any parts? Write: Dave Crocker, 6 Old Farm Rd., Duxbury, MA 02332

FOR SALE: Rider's Television schematic manuals, volume 1 thru 26 - \$6.00 each plus UPS shipping. Also one only Atwater Kent "F4" speaker, 12" with 5 pin plug, newly reconed - \$35. Steinmetz Electronics, 7519 Maplewood Ave., Hammond, IN 46324 (219) 931-9316

FOR SALE: Rider's Manuals 12 & 13 - \$8 each plus shipping. Wire - 18 AWG magnet wire 11 Lbs; 20 AWG magnet wire 9.8 Lbs; 22 AWG magnet wire 8.7 Lbs - all for \$35 plus shipping. Hawkins Electrical Guide Volume 1 thru 9, dated 1917, 2,654 pages total, fair condition - \$30 Postpaid for all. Ed Martin, 8816 Ansonia Ave., Cleveland, OH 44144 (216) 661-9999

WANTED: Radio Retailing magazines until 1925. Send me your list and asking price postpaid to Japan. Minoru Wakasugi, 1-16-11 Tokiwadai, Toyonocho Osaka, 563-01 Japan

WANTED: I am interested in collecting battery radios, send list and price to: James Liebman, 5757 E. 14th St., Tucson, AZ 85711

FOR SALE: I have several nice consoles for sale - Majestic, Zenith, Atwater Kent and Radiola. Send SASE. Russ Olmsted, Rt 11 - Box 349, Murfreesboro, TN 37130

WANTED: Any info on "The Radio Laboratory" or Mr. A.S. Peirce of 1302 Nicollet Ave., (City-?). Michael Payne, Rt. 5 -Box 796, Alvin, TX 77511

CLASSIFIED ADVERTISEMENTS

FOR SALE: Hallicrafters TW2000, band selector out of line, works, make offer. Kenawell, 20 School House Rd., Lancaster, PA 17603

WANTED: Zenith radios from the mid 1930's (wooden cased sets with circular dials and no push buttons). I have Zenith's and some battery sets to trade. Arie Breed, 510 Lake Dr., Ottumwa, IA 52501 (515) 682-6925

WANTED: Baldwin headphones, Type "G". These are smaller than Type "C". Ken Conrad, 5482 Crittenden, Akron, NY 14001

FOR SALE: Deutsche Kleinempfanger, 1938 Bakelite with embossed Swastika symbol - \$250; Gecophone Two (II) - \$495. A.R. Nolf, 539 Kastelic Place, Burlington, Ontario, Canada L7N-3R5

WANTED: Schematic and manual for Montgomery Ward's Airline Model 62-1101 All-Wave Receiver (not in SAMS' Photofacts). D. Urban, 36 Spring, Port Henry, NY 12974

WANTED: Earphones - have eighty two brands. Looking for Zenith, Mesco, Kilbourne & Clark, Wireless Speciality Apparatus, Seimens & Halske, and Horenz. Howard Rainey, Rt.4 -Box 106, Wichita Falls, TX 76301

FOR SALE: Philco 16 chassis, includes knobs, speaker, escutcheon, excellent condition - \$50. Kevin Grimm, 258 Dunbar Rd., Tallmadge, OH 44278 (216) 633-4167

WANTED: Instruction manual for EICO Model 400 Oscilloscope. Richard Cannon, 585 West Hazelwood Ave., Rahway, NJ 07065

WANTED: Picture tube front mask for Philco Predicta with 17" tube. Alvin Heckard, RD1 -Box 88, Lewistown, PA 17044

WANTED: 3-tube AK detector/amp for breadboard radio, or just top ass'y for same. Write: Joe Horvath, 531 Nutt Rd., Phoenixville, PA 19460

FOR SALE OR TRADE: Ozark Junior and Ozark Senior - both \$100. Francis Edwards, 516 Harter Ave., Mansfield, OH 44907

WANTED: 1946 Zenith 5D011Z (SD011Z? - Editor) table radio. Bob Rockwell, Box 508A - Geyser Rd., Pittsburg, PA 15205

FOR SALE: Freed Eisemann NR5 - \$65; Zenith Transoceanic - \$70; Early 30's Crosley Chairside - \$60; 1940 12-tube Zenith console - \$250. A. Peterson, 800 126th Ave. NE., Blaine, MN 55434 (612) 755-6383

FOR SALE: Zenith Console, Model 8S661, Vgc, asking \$65; "Radio" magazines - Feb. 37, Dec. 37, Jan. 38, June 38, July 39 - \$1.50 each, not Ppd. Dave Faehnrich, 8215 Stone Rd., Independence, OH 44131 (216) 447-0837

FOR SALE: General Radio Decade resistance Box - \$25; new Sprague tubular 0.05mfd 600vdc - 40 cents; Sprague tubular 2mfd 450vdc - 60 cents; Stancor 10 watt push-pull output transformer - \$7.50. List of parts and tubes available. Sue Coulter, Box 11-A, 1000 West Columbus, Bakersfield, CA 93301

WANTED: Marconi Wireless stock certificates. FOR SALE: Have U.S. Army 1918 service buzzer. Otto W. Nill, 192 Grant Ave., Islip, NY 11751

FOR SALE: Radiola 25 with loop and tubes - \$95; Radiola III - \$45; Mohawk A-5 - \$30; Everyready Model 20 - \$20; Grebe MU-1 - \$155; console Radiola 62 - \$150; table Victrola - \$80; Atwater Kent ignition unit (1912) - \$15; parts \$1 to \$15. SASE to Arthur Harrison, 1021 Falcon Dr., Columbia, MO 65201

CLASSIFIED ADVERTISEMENTS

WANTED: Please help - need a few copies of Radio News magazine for reading purposes only, condition not of prime importance. Need 1924 issues -Jan., Mar., June, Sept., Oct., Nov., & Dec.; 1925 - all issues except Jan.; 1926 - all issues. Issues without covers gladly accepted. Also need Radio World for August of 1924 or 1925 (not sure which issue). William Eslick, 2607 E. 13th St. North, Wichita, KS 67214

FOR SALE: 20,000 tubes - half old, half new, 90 percent boxed. Greg Wetzel, P.O. Box 116, Coopersburg, PA 18036 (215) 838-0694

FOR SALE: WIRELESS SETS FOR SALE - Western Electric -Signal Corp CW-938 with tubes, fine condition - \$1500; Western Electric - Signal Corp SCR 67, front panel all there, back side needs work - \$250; Western Electric - Signal Corp Power Board 60-1A, complete and working - \$350; Western Electric Signal Corp CW 926A, cabinet and front panel - \$100; Radiomarine AR-8503, complete and working - \$250; Western Electric 4D receiver with tubes - \$500; Western Electric 7A Amp with tubes \$150 or without tubes - \$100; Western Electric country oak wall telephone - \$150. Phil Weingarten, 67-61 Alderton St., Forest Hills, NY 11374 (718) 896-3545

WANTED: Bakelite Base 01A tubes with silver glasses & tips & good emission. HAVE UZ1325 speaker in excellent condition -\$75 plus UPS. Bud Bedker, 66 Cloverside Ct., West Seneca, NY 14224

WANTED: I.F. transformers for 50KHz or 60KHz, from military or Ham double conversion receivers, any brand OK. Also crystals in the 50 to 51KHz range. Tom Marquardt, RR2 -Box 81, Sharpsville, IN 46068

CLASSIFIED ADVERTISEMENTS

WANTED: "Electrical Experimenter" wanted as follows: 1913 - May thru Dec.; 1914 - all issues; 1915 - Jan., Feb., Mar., Apr; 1916 - April. "Science & Invention" wanted as follows: 1923 - all issues except May; 1924 - Mar., Apr., Aug., Oct., Nov.; 1925 - Jan., Apr., Nov.; 1926 - Jan., Mar., July, Aug., Oct.; 1927 - Feb., Mar., May., Oct., Nov., Dec.; 1928 - Feb., June, Nov.; 1929 - Jan., Apr., June, July, Sept., Oct.; 1930 -Feb.; 1931 - Jan, Feb., Apr., July, Aug. TRADE: Following duplicates available for trade: "Electrical Experimenter" - 1917 - Jan., Feb., Mar., June, Oct.; 1918 - all except May and Dec.; 1919 - ali except Mar., Apr., June, & Oct.; 1920 - Jan., Feb., Apr., June. And "Science & Invention" 1920 - Sept. & Nov.; 1921 - Jan. Feb., Mar., May, Oct., Nov., Dec.; 1922 - June; 1925 -Mar., & Sep.; 1926 - Sept. Prefer trading Experimenter for Experimenter and Science for Science, in approximate ratios (1:1 or other). Will also buy the wanted issues, if there is no trade offer. SASE please. Olg Lindan, P.O. Box 24594, Lyndhurst, OH 44124

WANTED: Philco 90 cabinet. Also one audio transformer, two dials, & one filament rheostat, all for Crosley X. Frank Brewster, 3rd St. & East Ave., Baxter Springs, KS 66713

FOR SALE: Hopalong Cassidy radio model 441T (1950, paint chipped along the edges, rest of cabinet could use some polishing, works) - \$110; Philco 37-62 (1937, original finish expertly touched up, works great, looks great) - \$70. Bulb shaped tubes and books, send large 2 stamp SASE for complete and up-to-date photo list. Ron Boucher, 376 Cilley Rd., Manchester, NH 03103 (603) 669-1698

WANTED: Zenith 6B129 tombstone or cabinet (pg. 191 F.O.S.). Bill Moore, 5014 Rickwood Ct., Huntsville, AL 35810

CLASSIFIED ADVERTISEMENTS CLASSIFIED ADVERTISEMENTS

WANTED: Kennedy V, VI front panel retainer brackets: Operadio collapsible loop antenna or entire Operadio in wood cabinet; Zenith 10A1 chassis; Connecticut Sodion DR6 amplifier unit; Emerson Snow White radio chassis or entire radio; Predicta TV collapsible antenna unit. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432 (612) 571-6062

FOR SALE: Fifty (50) new boxed type 76 tubes - \$2.00 each. Inquire on others, check my low prices. Milt Levy, 101 East Driftwood #26, Fredericksburg, TX 78624 (512) 997-2534

WANTED: Elementary Electronics magazines, fair prices paid for issues of 1976 thru 1979 that I can use. Ken Gfeller, 5261 Scalley Rd., Belding, MI 48809 (616) 691-8422

FOR SALE: Home brew crystal set in Yeast Foam box with WLS headset - \$25; 10FP4A CRT -\$20; Magnavox Type R-3 speaker - \$45; Antique Candlestick telephone - \$45; Bosch TRF AC radio, 1930's, in wood cabinet - \$30; Mercury Model 1100 tube tester - \$10; Heathkit Model IT-11 capacitor checker -\$15. Add UPS charges to each item, pictures available. Clark Trissell, 3530 Pawnee, Lincoln, NE 68506

WANTED: Pink, working condition cathedral radio. Jose Fernandez, 208 Eleanor Roosevelt St., Hato Rev. Puerto Rico 00918

WANTED: AC operated regenerative SWL receiver with TRF stage. Good homebrew would be fine. Joe Griffin, 3832 Cherrybrook Rd., Randallstown, MD 21133

NOTICE: Indiana Historical Society Members - please note new address for Treasure when sending in your dues. I.H.R.S. Treasure, C/O Marilyn Johnston, R-1, Box 218-A, Windfall, IN 46076

FOR SALE: #46 dial bulbs, box of 10 - \$2.50; UV877 N.O.S. RCA - \$4.00; W.E. 215-A - \$10.00; 3A4, six for \$3.00; #56 - \$2.00; #41 -\$2.00; 6U5/6G5 used - \$4.00; 2A3 N.O.S. RCA - \$10: 201A brass base, open fil. - \$5.00; 201A brass base (tip), open fil. - \$6.00; N.O.S. Zenith or Crosley tubes - \$4.00 each; bag of 50 assorted knobs - \$5.00. All plus shipping, minimum order \$7.50. F. Krantz, 100 Osage Ave., Somerdale, NJ 08083

WANTED: Orion's "76-77" CB Radio Trade Book, nostaloic CB buff. Gary Cappoen, 18025 NE Chehalem Dr., Newburg, OR 97132

FOR SALE: Practical Wireless. Bucher - \$12; Grebe Inst./Oper., 64 Pg. booklet - \$20; Riders Four (IV) - \$8; AK "M" horn -\$85: PR-10 communication receiver - \$50; Amplion horn -\$175; UX199's in boxes - \$8.50 each: Federal #35 RF transformer, new in original box - \$17.50. Floyd Paul, 1545 Raymond, Glendale, CA 91201

WANTED: Literature, such as Practical Electrix, published quarterly. Autopower auto generator conversion book, etc., published late 30's by Autopower, S.W. Duncan, Chicago, ILL ... Karl P. Marguardt, 2702 Polk St. N.E., Minneapolis, MN 55418

FOR SALE: Tektronic model 422 oscilloscope with manuals and two probes, works - \$150 or best offer, plus UPS. Jack Hortman, P.O. Box 456, Biglerville, PA 17307

FOR SALE: Atwater Kent Model 48 - \$50; Stewart Warner tombstone model R-1371-D - \$50; Gecophone S-3 cathedral - \$85; RCA Model 5T tombstone - \$75; Philco 84B cathedral - \$55; Philco 89 cathedral - \$85. Photos available. James M. Seal, 3309 Boatman's Mt. Rd., Morristown, TN 37814

CLASSIFIED ADVERTISEMENTS

WANTED: Antique pH Meter -Leeds Northrup Model 7663. Restoring to working condition. need to know battery voltages. tube number, operating hints. Also need electrodes. Any information appreciated. Frank White, Box 2012 Olathe, KS 66061

FOR SALE: Old radio tubes. hundreds at \$0.50 - \$1.00. Send want list. Vincent Cipollaro, 1016 Fifth Ave., New York, NY 10028

WANTED: Majestic Charlie McCarthy radio, Emerson Snow White radio, book radios. Midwest and MIRACO radios. celluloid and mirrored radios. Gringsby G. Hinds horn speakers other than black, Royal Dowlton pottery style speakers or crystal sets. TRADE **ITEMS:** Advertising signs. Crosley's, Emerson 520 celluloid, speakers, & more. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432 (612) 571-6062

FOR SALE: Atwater Kent 33 chassis and E-2 speaker. Made for a writing desk type cabinet. Both in excellent condition - \$90 plus shipping. Rick Peterson, 3940 Lolan Ct., Marrero, LA 70072 (504) 340-2398

WANTED: Edison Standard Phono parts, Model "C", reproducer arm, cylinder, horn and crane. Anything else? Richard Cannon, 585 W. Hazelwood Ave., Rahway, NJ 07065

FOR SALE: Operadio Portable with meter and folding antenna. leatherette case. Best offer, R. Brewster, 454 Diablo Dr., Pittsburgh. PA 15241 (412) 833-4287

FOR SALE: Grandfather clock radios: 1931 Majestic Sherwood Model 156 - \$375; Silvertone Model 1154 - \$250. Radiola 17 & 18 w/speaker - \$50. John Kern, RD#2 - Box 457, Quakerstown, PA 18951 (215) 538-2128

DEADLINE for "Business Card" display ads is May 1st! - See our new low cost business card (or display) ads elsewhere in this issue. Only \$9.45 for 3 months. An excellent way to get your "Permanent Wants" across to collectors on a continuing basis (because of A.R.C.'s limit of only two consecutive insertions of the same classified ad).

WANTED: British valve for a MURPHY radio - (6F16) or a sub 6CJ5, (6LD20) (6C9) (6P25) (UU9). Jerome Stahl, P.O. Box 263, Warner Robins, GA 31099

FOR SALE: Book - biography of Lee DeForest signed by DeForest, serious offers only. Will take in partial trade - radio novelties such as unusual radio banks, puzzles, board games, radio shaped toys, radio advertising display cases, promotional items, etc. Gary Schneider, 9511-23 Sunrise Blvd., Cleveland, OH 44133 (216) 582-3094

WANTED: A.K. Model 82 chassis for parts, must have good power transformer or transformer alone for same. Marion Van Hal, 1328 Orchard Dr., Pella, IA 50219 (515) 628-2347

FOR SALE: Philco, AK cathedrals, two Belmont tombstones, Zenith 705, Crosley Fivers, Arvin Phantom Baby, several colored plastics, Arvin & Silvertone tiny metal sets, more. SASE for list. Ed Ripley, 2276 Holloway Ave., Maplewood, MN 55109

TRADE: Philco 70, looks and works great. Looking for Coca-Cola or Charlie Mchunthy (Editors note: typed as written). Alan Piorek, 1050 N. Paulina, Chicago, IL 60622

FOR SALE: "1100+ TUBES", new and boxed; Jukeboxes - antique; old reel to reels, misc. equip. Send SASE to: Neil O'Donnell, 1809 Sampson, Butte, MT 59701

WANTED: Will pay \$200 for 7 tube, 1936 Super Skyrider, Page 225 Flick Of Switch. R. Enemark, Box 1607, Duxbury, MA 02331

CLASSIFIED ADVERTISEMENTS

WANTED: Jackson Bell Model 96, prefer chassis and speaker only. Good chassis for RCA Model 74 tombstone. J. Mason, 90 N.W. 150th Ave., Beaverton, OR 97006 (503) 644-2343

FOR SALE: Atwater Kent Model 44, with speaker, working, great condition - \$60. Bob Puttre, 637 Stratford Rd., Baldwin, NY 11510 (516) 223-9776

WANTED: Walter Ashe WAR-25 Novice Kit Receiver (I have power supply and transmitter). Robert Stapleford, 1800 Randolph, Topeka, KS 66604

FOR SALE: Viking Valiant - \$125, Viking Ranger - \$75; Viking Navigator - \$50; Two Century 21's - \$150 each; HW-8 w/power supply - \$100. Thousands of octal, loktal and miniature tubes, tested - \$1.00 each. Send SASE with needs. Brian Roberts, 674 Darlington, Crystal Lake, IL 60014

FOR SALE: DeForest loop litz and more, SASE for list to: C. Day, P.O. Box 205, S. Dartmouth, MA 02748-0205

WANTED: 1930 Radio Retailing magazines, have goodles to trade or will buy. Floyd Paul, 1545 Raymond, Glendale, CA 91201

FOR SALE: Reproduction of Federal 59 card - \$6.00, copy of instruction book and schematic -\$5.00; Garrod RAF, good cond. -\$90; Harkness Reflex, good cond. - \$95; Croslev VI, excellent cond. - \$125: Zenith IV-R. late version, needs work. WANTED: Socket and rheostat for Kennedy 281; Crosley 51P case; Crosley book condenser & early type trans.; plate condenser for Paragon 10R; audio or RF transformer for Federal; Thompson chassis for parts. Also instruction book for Federal 61 and Radiola Grand. Raymond Schober, 6938 Western Ave., Omaha. NE 68132 (402)554-0366

WANTED: DeForest DV style tubes with Isolantite base, duds. Bob Kerns, 1637 100th St., Niagara Falls, NY 14304

CLASSIFIED ADVERTISEMENTS

FOR SALE: Battery and AC radios from the 1920's & 30's, radio literature & magazines. D.S. Voydanoff, 1141 Yorkshire, Grosse Pointe Park, MI 48230

WANTED: SPARK EQUIP-MENT - especially commercial "Saw Tooth" gap or wheel for it; Spark Condenser. FOR SALE: Broadcast mikes: J & A condenser mike, no stand, solid brass, very heavy - \$30; new in box Shure 556 "Big Band" cardioid - \$60. All plus UPS. Paul C. Crum, 6272 N. Cicero Ave., Chicago, IL (312) 282-3033

FOR SALE: Send SASE for photo copied list of radios from A to Z. Eric Bilney, 911 Fargo Ave., Spirit Lake, IA 51360

FOR SALE: Original 40-page service brochure for RCA Television Receiver Model 630-TS, 3rd ed., 1947, price \$3.00. Original 35-page operating instructions and service notes for RCA electronic sweep oscillator #'s 150 & cathode-ray 150A. and oscilloscope #'s 151 & 151A, price \$2,50. Three original brochure on Rider Chanalyst by Service Instruments Inc. and RCA, price \$2.00. All plus postage. J.R. O'Donnell, 235 W. Sheridan Ave., Annville, PA 17003 (717) 867-2222

FOR SALE: Chelsea Super Five - \$50; W.E. 7-A amp - \$75; Federal DX58 - \$350; Kennedy 525 -\$250; "Best" 4L - \$75; United Motors 4054, 32 volt - \$25; Aeriola cabinet - \$20; RCA 118 cabinet -\$15; Airline horn - \$100. SASE for list. Jim Collings, 12005 Victoria Pl., Oklahoma City, OK 73120 (405) 755-2515

TRADE: I will trade battery radio collection with tubes, all in working condition, parts, accessories, speakers, etc. I am looking for a Atwater Kent #5 breadboard in original working condition, may consider model #9 or 10. Send SASE to: Joe Veliky, 9 S. Second St., Philadelphia, PA 16866

ART DECO collector paying \$100 to \$5,000 for mirrored glass radios. Ed Sage, 1781 Helane Ct., Benicia, CA 94510 (707) 746-5659

WANTED: Wireless equipment, especially pre-1920 detectors. Have other wireless gear for trade. James Kreuzer, 6270 Clinton St., Elma, NY 14059 (716) 681-3186

FOR SALE: AK 20 compact, good tubes, fine - \$65: Magnavox Type M-1 Model A horn speaker, bronze, rare, works - \$200; Magnavox Type LS-2, model A with 14" bell, rare, fine - \$200; Magnavox Type M-1 Model A, small 11" bell. rare, works - \$135; Magnavox Type M-1, Model A horn speaker. works, fine - \$100; A-K Model E speaker, fine, plays - \$40; Tom Thumb camera radio with four tubes, red front and back, angle on sides, untested, fine - \$125; Guild Model 665 wood telephone radio, 1953, plays, fine - \$65; Kolster Type 6-D radio case (with old chassis) - \$25: Zenith radio record player, model L50, brown bakelite, plays, has band on tuning, needs band on indicator hand, ex-fine - \$75; ten (10) Brande's Inc. headphones, play fine - \$120; Columbia 360 model 340 wood phonograph, table model, 2 speakers, old, needs needle, etc., fine - \$35; Little Wonder Microphone for talking through radio - \$30; General Motors cathedral, Lg. case, fine, speaker has been changed, baby blue, light's up, doesn't play - \$110; Freshman Masterpiece, round dial, small tombstone, plays, not plain - \$30; General round dial tombstone, fancy, plays (static) - \$75; Gilfilan Model 10, slant front, fine - \$100. All plus UPS, send bank money order. Edison Mabry, 715 W. Longview Ave., Mansfield, OH 44906 (419) 526-1175

SELL: Gonset Communicator II (2 mtrs); Drake 2-C w/shortwave xtal's; others. Levy, 8 Waterloo Dr., Morris Plains, NJ 07950 (201) 285-0233

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

CLASSIFIED ADVERTISEMENTS

WANTED: Miller AM Crystal Tuner and a tube chart for Triplett #1212 tube tester. Mike Koval, 1012 Grand Ave., Cincinnati, OH 45204

FOR SALE: Masco commercial record, playback unit, portable record cutter in alligator case -\$60 plus UPS. Two Utah 8" cone speakers for early 30's radio or late 20's - \$18 ea. Bob Barnes, 511 N. Chestnut, Monroe City, MO 63456 (314) 735-2945



WANTED: I collect boxed oddball brands of 201A tubes - want type 201A tubes still in the box. Send me your list and asking price or a picture/sketch of what you have. I am also interested in any interesting boxed tube even if it is not a 201A. Steve York, 1100 Byrd St., Melbourne, FL 32935

WANTED: Radio collection or Lionel Train collection. Have Model "A" Fords and many Model "A" parts for trade. (216) 871-4547 - Ohio

FOR SALE: J.K Corp. crystal set - \$50; Philmore in box - \$35; Crosley 50 with warranty tag -\$120; Crosley 516 - \$45; Westingale battery set, scenic front - \$80. Many plastic sets, etc. - SASE for list. Greg Farmer, 71 Rice Creek Way, Fridley, MN 55432 (612) 571-6062

FOR SALE: Beitman manuals R3, R8, TV16. About 150 SAMS sets at \$1.00 each. SASE for list. Many tube types, 1930's to present, no list. Craig Larson, 2122 45th Ave., Minneapolis, MN 55421

WANTED: Schematic or assembly manual for Heathkit Model GR54. Crosley Widget chassis Model 48, junker OK. Roland Emerick, 104 Jones Rd., Baldwinsville, NY 13027 (315) 635-3864

CLASSIFIED ADVERTISEMENTS

WANTED: Radio related literature, radio signs, novelties, catalogs, magazines, wireless books, 1900 - 1930's. Jerry Simkin, 10 Avalon Lane, Matawan, NJ 07747

FOR SALE: Four (4) bakelite AC radios - \$50, includes shipping. WANTED: Schematic for Precision E-200-C R.F. Generator. Rodney Holland, Star Rt. 9 -Box 100, Mena, AR 71953 (501) 394-4751 after 5PM.

FOR SALE: Hammond Solovox with keyboard, model K, series B - best offer; chassis only: Philco 90, 90A w/t - \$20; Majestic 35 w/t - \$15; Majestic Power Unit for 70B - \$35; Stromberg Carlson 282305 Magic Eye BC/SW, w/t - \$25. Hewlet Packard Low Freq Standard 100D, Serial #227, 2" scope \$69 or B.O.; Kolster Power Cone Reproducer mfg by Brandes Prod. Corp. C-15085, uses two 216B's & two 250's - \$85 or B.O.; RayDec Decimal Counter Model 101 w/orig inst & prints - \$95 or B.O.; Radiola 17, no hood, fair -\$25; Hunter Interval Timer, Model 111C - \$15; Radiola Super X, no handle, w/doors, wo/tubes, fair -\$50; AK "M" base, driver good & metal neck, no bell - \$20; W.U. Artificial Line, rackmount #5067A -\$30. NEED info on WARE Type "T", have inst. book. John Myers, P.O. Box 98, Wilson, NY 14172 (716) 751-6053

FOR SALE: Riders 1 thru 15 -\$235, can ship. Dale Parsons, 5408 Morrison Dr., Cross Lanes, WV 25313 (304) 776-2180

SALE/TRADE: Two AK 35's - \$35 each; Federal RF transformers #30 (mint) & #35 (open), extra mounts. WANTED: AK breadboard componnents, L-Tatro chassis A, B, M-54. Bob Nicholsonj, 3423 Long, Topeka, KS 66605

FOR SALE: New 1986 Aero/Marine Beacon Guide. Over 6100 Longwave Beacons with frequency, Idents, Locations, Airport Coordinates, Power, Etc. Looseleaf format - \$10.00 Ppd. Ken Stryker, 6350 N. Hoyne, Chicago, IL 60659

FOR SALE: W.E. 4-D Superhet, serial #242, w/6 215A tubes & mahogany battery box, plus 24" W.E. cone speaker (Model 560), plus W.E. 1-C loop antenna, 16" x 39", all for \$650. W.E. amplifier model 25B, w/2 205A tubes - \$65; W.E. 10D speaker - \$60; W.E. cone speaker - \$70. Bob Puttre, 637 Stratford Rd., Baldwin, NY 11510 (516) 223-9667

FOR SALE: Cats-Whiskers, platinum, 0.006" x 2.75" - \$1.00 each or 5/\$3.75, 10/\$5.00. L.W. Gardner, 458 Two Mile Creek, Tonawanda, NY 14150

WANTED: Radio News Canada, Northern Electric/Marconi sets, trade or cash. A. Nolf, 539 Kastelic Place, Burlington, Ontario. Canada L7N3R5

WANTED: Original Western Electric horn for W.E. 10D Loud Speaking Telephone. John Schretzmayer, 140 Southern Blvd., East Patchogue, NY 11772

CLASSIFIED ADVERTISEMENTS

WANTED: Fifteenth Edition, 1937 - 1938 of the ARRL Handbook. Also QST magazines before 1921. FOR SALE: Audio transformers: RCA UV-712, Rauland R-500, Acme A-2, SM 220 & 221. Price - \$10.00 each postpäid. Loudspeakers: RCA 100 drum -\$15; RCA 100A - \$15; Peerless wood cathedral - \$15; AK F-7-A drum - \$20; RCA 103 - \$50; RCA 106 - \$75. Shipping extra. Fred Ritter, 930 First Place, Longwood, FL 32750

WANTED: For Crosley 52 coils, 3 tube sockets, 2 audio transformers (may have open windings). Rodney Schrock, 402 Lincoln St., Somerset, PA 15501

FOR SALE: Headsets - \$10.00; nice 5 tube kit radio - \$35; Grisby Grunow celluloid horn speaker -\$55; Tambour wood case speaker - \$25. Bill Johnson, 34 Springlake PI. NW, Atlanta, GA 30318 (404) 355-6308

CLASSIFIED ADVERTISEMENTS

FOR SALE: Knight tube tester -\$15 (works); Navy Hetrodyne Frequency Meter CKB 74028, range 125 - 20000 KC, untested - \$15. F. Estree, 660 Fineview Ave., Kalamazoo, MI 49007 (616) 344-0231

WANTED: Jewell Radio Test Panel, Model 579/581; RCA Universal A.C. Bridge No. 9600(TMU-132A). Orval Parker, HCR Box 133, Pocono Summit, PA 18346

WANTED: Michigan manufactured radios: Especially Sparton, Howard, Detrola & Walton-Morse. Also related advertising, manuals, etc. Karl L. Rommel, 737 Cloverleaf Rd., Lansing, MI 48906

WANTED: S-Meters for Hallicrafters SX-24, SX-25, SX-28; also Acme "D" coil, Acme R-3 & √ R-4 R.F. Transformers. Fran Emrich, 441 Swaggertown Rd., Schenectady, NY 12302

LATE ADS...

NCTICE: A.R.C. would like to apologize to those readers who's classified ads we were not able to include in this issue. If your ad is not in this issue then it was received too late. This issue was completely filled up by March 7th. We even added four more pages to accommodate the large number of ads received. These four additional pages caused A.R.C. to incure production and printing cost far more than the revenue we receive. However, it is our commitment to make A.R.C. #1 in the hobby. Your patience and understanding with our "growing pains" is appreciated. Thank you, Gary Schneider, editor. P.S. - The major factor for ads not appearing in the requested issue is due to many people waiting till the last minute. Please send your ads in early to avoid disappointment!

FOR SALE: Send large SASE for April list of radios, speakers and TV*s. Jim Clark, 1006 Pendleton Dr., Lansing, MI 48917

FOR SALE: Over 200 battery and A.C. radios. Send large SASE with 2 stamps for list. Donald Juleen, 6250 Ledge Rd., Sturgeon Bay, Wisc. 54235 (414) 743-7922

FOR SALE: Philco cathedral 37-93 - \$37.50; Philco Tombstone 37-38 battery set - \$17.50. R. Haneline, 3600 Cuba Blvd., Monroe, LA 71201

FOR SALE: Leutz C-10 Superhetrodyne receiver, mint condition, former A.W.A. contest winner. Four complete sets of plug-in coils. Larry Wright, 131 Hilltop Dr., Lake In The Hills, IL 60102 (312) 658-5993

FOR SALE: New "REGAL" English style enclosed crystal detector with pretested Crystal Craft crystal. \$15.00 plus \$1.00 shipping. Address next ad.

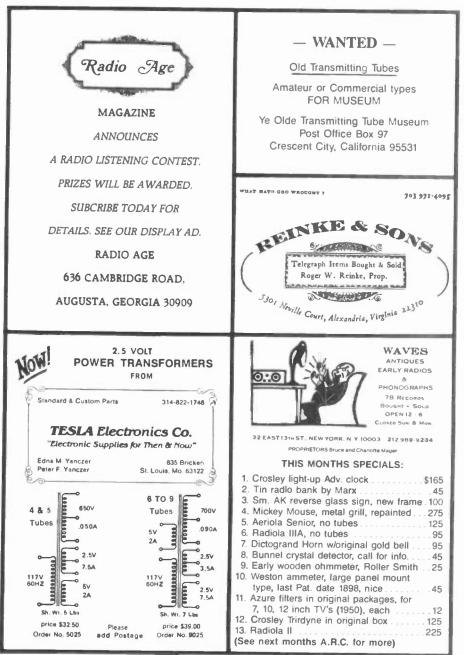
FOR SALE: I apologize to those who missed the 1929 S.S. Kresge Radio Catalog reprint at Christmas time. This profusely illustrated reprint is now available @ \$3.00 + .50 postage. New 1986 model Battery Eliminators \$46 to \$110, all solid state, guaranteed, enclose SASE for info. RIDERS MAN-UALS 4 to 17, subject to prior sale, \$10 ea. plus shipping. SASE required for all inquires. I also restore catacombs. Clinton Blais, 613 Juniper DR O'Fallon, Ilinois 62269

WANTED: Driver and metal parts for Music Master horn speaker. Also Hallicrafters SX-17 and speaker. Charles Furtak, 241 Oak, Elmhurst, IL 60126





DISPLAY ADVERTISEMENTS





NOW AVAILABLE FOR RADIO RESTORERS - A HALFWATT RESISTOR KIT

This kit of 5% tolerance, carbon film resistors, a total of 500, has been selected specifically for radio restoration. Both values and quantities have been chosen to follow as closely as possible those found in radios made from about 1926-1940, but are also useful for restoring newer radios.

CONTENTS OF THIS KIT

	1 01/ 15	10K20	100K20	1.0M15
1005	1.0K15			
1505	1.5K10	15K10	150K10	2.0M5
20010	2.0K15	20K15	200K15	
24010	2.4K15	24K15	240K20	
30010	3.0K10	30K15	300K10	
3605	3.6K5	36K5	360K5	(alla)
3905	3.9K10	39K10	390K10	
51010	5.1K15	51K20	510K20	Baugh 1
6205	6.2K10	62K15	620K5	5
6805	6.8K5	68K5	680K5	
7505	7.5K5	75K10	750K10	
8205	8.2K5	82K5	820K5	

Kits are shipped U.P.S. for \$20.00 plus \$2.50 shipping and handling per kit. For orders of 5 or more kits sent to one address, we pay shipping. For 10 or more kits to one address, the cost is reduced to \$17.50 per kit. For 25 or more kits sent to one address, the price is \$15.00 per kit. Get a club order together! Make checks payable to Michael D. Lewis. Personal checks take two weeks to clear. Shipping will follow check clearance. Send orders to:

RADIO FREQS - 6070 LINCOLN RD. - OREGON, WI 53575

	ISPLAY ADV	ERTISEMENTS
617-655-2056	Antique Badio Service REPAIR BUY RESTORE SELL PRICHARD FOSTER 12 SMAWMUT AVE COCHITUATE, MA 01778	— — WANTED — — Wish to purchase 32 Volt radios & home appliances. William Hursh Box 446 Springfield, Ohio 45501 Telephone: 513-322-0890
Orpay noting DANIEL ZAVARO Tech in Electronic	S.F. MUSIC & GAMES Juke Box, Pin Ball, Video Games and Components Repair With Care And Knowledge Also Buy and Sell Machines 2850 · 21st Street (corner of Alabama Street) San Francisco, California 94110 Bus. (415) 282-1155	Joseph Mullan W3RLR ANTIQUE RADIO COLLECTOR 217 NORTHWAY BALTIMORE, MD 21218 TELEPHONE: (301) 467-3500

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U.P.S. INSURANCE CLAIMS PARCEL POST CLAIMS **INSURANCE PROTECTION COLLECTION VALUATION** WILLS AND ESTATES

RADIO COLLECTION APPRAISALS:

We will do complete professional appraisals of your radio collection by mail or within reasonable driving distance of Buffalo, New York. References available upon request. For details write or call: James Kreuzer, 6270 Clinton St., Elma, NY 14059 (716) 681-3186

WANTED: **WESTERN ELECTRIC**

TUBES, SPEAKERS, HORNS, AMPLIFIERS TRANSFORMERS, MICROPHONES, ETC.

TUBES:NEW OR	USED	WANTED:
300A.B 360 274A.B 315 252A \$30	\$40 \$12 \$25	MCINTOSH,QUAD, MARANTZ,LEAK, TANNOY,ALTEC
284D \$30 271A \$15 242A,C \$18	\$20 \$12 \$12	TUBE AMPS,SFKR
262A \$ 7 348A \$ 7 211 \$18	\$ 5 \$ 5 \$12	MAURY CORB 11122 ATWELL HOUSTON, TEXAS
212 \$40 216 \$15 350B \$17	\$30 \$10 \$10	77(96 TEL:713-7284343
275A \$14 RCA 250 \$20	\$8 \$15	HORNS:24,26,12 TRANSF.618,285 <u>WANTED</u> :
4151,4153,4 AMPLIFIERS: 8	∔181,7 36,108	755.753.757.22A 713.594.596.597 86.91.94.124.142 .29.105.121.131

DISPLAY ADVERTISEMENTS

Radio Age

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- Large format (8 ½" x 11" folded) fits perfectly in loose leaf binder.
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Subcribe today at \$14.00 for 12 issues mailed First Class; \$11.00 for Second Class postage. Sample copy: \$1.50 ppd.

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WANTED TO BUY - PERMANENT WANTS - FAST PAYMENT

Western Electric Tubes—Paying These Prices—

252A, 300A/B	284D \$40	205D/E, 271A\$25
274A	211D/E, 242B/C	276A, 350B
275A, 339A 15	205 F , 262A	301A, 347A
		VT-25, 264
250, 350, 450	50 RCA small "ST" 10	50 RCA big "ST" 15

Note: These prices are for new tubes only, will negotiate for used tubes.

WESTERN ELECTRIC EQUIPMENT

W.E. DRIVERS - 555(W), 594(A), 596A, 597A/B, 713A/B/C, and others. HORNS - 22A, 24A, 25A, 26A, KS-6368, 12024, 12025, 12027, ETC. SPEAKERS- 728B, 750, 751, 753, 754, 755, TA4151, 4153, 4181, 4191, ETC. CONSOLES - 25B(40A). MICROPHONES - Any older type for collections. PARTS- Input & output transformers (171, 197, 285, 618, etc.) AMPLIFIERS - 86, 91, 92, 94, 103, 104, 105, 121, 129, 130, 131, 142, ETC.

ALSO BUYING THESE ITEMS

Tannoy and Stephens Trusonic's Coaxial Speakers; Jensen's Coaxial; Triaxial and 18 inch woofers; Altec 288 (also horns), 515, 604's JBL 150-4C, N-500's, etc. Contact me for complete details - FAST CASH!

CONTACT: DAVID YO, P.O. BOX 832, MONTEREY PARK, CALIFORNIA 91754 (818) 576-2642

DISPLAY ADVERTISEMENTS

WANTED

* ELECTRON TUBE (ST SHAPE) 243.....\$7 VT62/801A \$5 * ELECTRON TUBE (ANTIQUE GLOBE SHAPE) 37 \$5 42.....\$7 45/245/345.....\$12 50/250/350.....\$30 80....\$9 82.....\$5 83.....\$5 UV 201. TOP TIP...\$12 UV 202. TOP TIP. \$20 UI 216/216B....\$7 * ELECTRON TUBE (LARGE SIZE) 211/VT4C...\$12 845/VT43.....\$22 * ELECTRON TUBE (MFG. WESTERN BLECTRIC COMPANY) VT 1.....\$16 VT 2.....\$16 101 D/P/L...\$6 104D.....\$8 101/102/104 (TENNIS BALL SHAPE)...\$13 205 (TENNIS BALL SHAPE)...\$16 205F \$14 211 D/B..\$22 2164.....\$15 217A.....\$15 242A/B/C.\$22 244A....\$6 2474.....\$6 2524.....\$70 262A/B...\$8 2714....\$20 274A/B.....\$20 275A.....\$15 284D.....\$32 300A/B.....\$70 301A.....\$10 2764....\$22 310A.....\$7 3394.....\$12 3454.....\$8 3484....\$8 3494....\$6 350B.....\$20 440A.....\$6 4424.....\$8 VT 25/254.... \$6 VT 52.....\$10 * ALL ABOVE PRICES ARE "UNUSED" & "IN ORIGINAL BOX" TUBES. AS FOR "USED" ONES, CONTACT WITH US, WE WILL SHOW YOU DETAILS. * EQUIPMENTS MPG. WESTERN BLECTRIC COMPANY. 4181....\$500 555.....\$120 555W.....\$120 594.....\$500 597....\$300 & OTHERS. TRANSFORMERS 618.....\$20 1974.....\$20 171.....\$25 TH 222......\$30 & OTHERS.....ASK OUR LIST. PICKUP CARTRIDGE & ARM 34 44 7A 9A 10A & OTHER THEATER. STUDIO EQUIPMENTS WE WILL PAY TOP PRICE. *"MONORAL" PICKUP CARTRIDGES..... 350DS (PICKERING), RPX, VR2 (G.E.).. \$10 PA 21A(G.B.).....\$25 * HORN SPEAKERS TS-2 (MAGNAVOX).....\$150 10D (W.E.).....\$150 TRIAL ELECTRIC PRODUCTS, INC. 409 YOTSUYA SUN HEIGHTS, 6-1 YOTSUYA 4 CHOME, SHINJUKU, TOKYO 160 JAPAN



CLASSIFIED AD DEADLINE APR. 10TH





A.R.C., 9511 SUNRISE BLVD., #J-23, CLEVELAND, OHIO 44133 **RETURN POSTAGE GUARANTEED**

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