

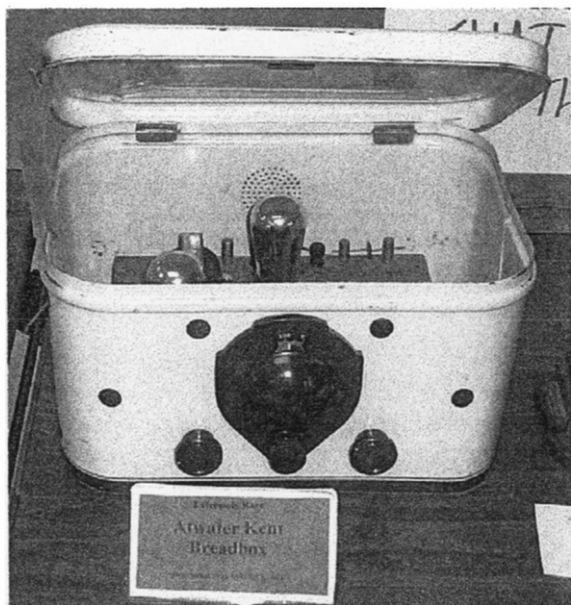
BULLETIN

Indiana Historical Radio Society
PRESERVATION FOR POSTERITY

Vol. 33

Fall, 2003

No 3



A True Breadbox Radio!
A Nice Contest Entry at the Elkhart Meet!



Officers

Terry Garl, President

54980 Dawn Drive
Osceola, Indiana 46902
(574) 679-4280 e-mail: teg53oscin@aol.com

Bill Morris, Vice President

3545 Rock Maple Drive
Indianapolis, Indiana 46235
(317) 895-1334 e-mail: bmmorris@mw.net

Fred Prohl, Secretary, Treasurer

3129 Lanam Ridge Road
Nashville, Indiana 47448
(812) 988-1761
e-mail: indianahistoricalradio@att.net

Edward Dupart, Editor

1441 N. Church St. - Cadiz
New Castle, Indiana 47362-9172
(765) 533-6272 e-mail: edupart3@hrtc.net

Dr. Ed Taylor, Historian

245 North Oakland Avenue
Indianapolis, Indiana 46201-3360
(317) 638-1641

Fred Schultz

1246 Lincolnway South
Ligonier, Indiana 46767
(260) 894-3092 e-mail: olradio@ligtel.com

Responsibilities

Activities, Business,
Administration, & Publicity

Sites and Dates of Meets

NOTE

Applications and Correspondence
Dues, Financial, and Address
Change. Please Notify
Immediately of Change of Address.

News, Articles, Photos,
Radio-Ads

Donations & Scrapbook Material

IHRS Museum Curator

Bulletin Deadlines: News, Articles & Radio Ads, 2/15, 5/15, 8/15, 11/15

IHRS e-mail Web site address: www.indianahistoricalradio.org

The INDIANA HISTORICAL RADIO SOCIETY is a non-profit organization founded in 1971. Annual membership dues are \$15.00/year or 2 years/\$25.00, which includes the quarterly IHRS "BULLETIN". Radio-Ads are free to all members. Please include a S.A.S.E. when requesting information. Send applications for membership and renewals to Fred Prohl, our treasurer as noted above.

IHRS ACTIVITIES for 2003 Our 32nd YEAR

Northern Indiana Summer Meet at Elkhart

September 6, 2003 – Saturday 8:00 AM Meet at the High Dive Pavilion, 500 East Beardsley Avenue, Elkhart, Indiana. Registration is \$5:00 per member/family. Out door Radio Swap and Sell. Silent auction. **Old Equipment Contest** 1. Battery radios of the 20s. 2. A.C. radios of the 30s. 3. Indiana made radios. 4. Radios costing the entrant \$25 or less. 5. My favorite radio. Included is a silent auction, pitch in lunch, and an IHRS business meeting. **Motels:** About a doz. motels North and South of I-80/90 at SR-9 (Cassopolis) Exit 92. Super-8, 345 Webster Ave., 574-264-4457. **Red Roof Inn**, 2902 Cassopolis St., 574-262-3691. Info: Ty Gregory, 574-264-0257 or Terry Garl, 574-679-4280, ihrselk98@aol.com.

Fall Foliage Meet at Greenfield

October 11, 2003 – Saturday 8:00 AM Meet at the Riley Park Shelter, Greenfield, Indiana. (One block north of US40 on Apple Street.) Registration is \$5:00 per member/family. Indoor and outdoor setup space for Radio Swap & Sell. Vintage Radio Contest: **Category 1:** Farm Battery Radios, 1930's-1940's, wood or plastic that would be used in the home, not on a picnic. **Category 2:** Console Radios, 1934 - 1942 with 10 tubes or less. Registration is \$5:00 per member/family. Info: Glenn Fitch, 765-565-6911, Fred Prohl, 812-988-1761, indianahistoricalradio@att.net, Contest Info-Ed Dupart, 765-533-6272, edupart3@hrtc.net

Other Club Activities

MSARC For information contact George Freeman ralogum@aol.com

NARC ACTIVITIES -2003

For NARC meet info contact: Jim Thompson, 612-822-4000 or Kip Wallace, 612-544-2547, KipWallace@dl-inc.com

ARCI ACTIVITIES - 2003

All meets at Elgin, IL, RAMADA INN, 345 River Rd. 847-695-5000.

Info: Tom Klienschmidt 847-255-8128 or Art Bilski 630-739-1060, OLDRADIO@NTSOURCE.COM

MICHIGAN ANTIQUE RADIO CLUB

November 8, 2003 Kalamazoo, MI

Info: Oran Sauder murrellr@ameritech.net (248) 437-4413 John Reinicke – john.reinicke@fanucrobotics.com (248) 626-4895

**Join the AWA-ANTIQUE WIRELESS ASSOCIATION
THE ORIGINAL AND LARGEST HISTORICAL RADIO-
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Membership is only \$20 per year

Write to: Antique Wireless Association, Inc.

Box E, Breesport, NY 14816

<http://www.antiquewireless.org>

IHRS Business News

IHRS Elkhart Meet Secretary/Treasurer's Report

IHRS President Terry Garl opened the IHRS Northern Indiana, Elkhart meet at 12:50 PM.

Following the contest results a secretary/treasurers report was given by Fred Prohl. Attending members were encouraged to refer to the treasures report given in the Summer issue of the IHRS Bulletin. The current IHRS account balance is \$5045.94. Expenses since the Spring meet include \$407 for the Summer Bulletin, \$50 for the 2004 Kokomo Civic Center reservations and \$493 for liability insurance.

Two 2004 meet dates have been established:

February 14, 2004 – Holiday Inn Southeast, Indianapolis

April 30 - May 1, 2004 – Johanning Civic Center, Kokomo

A Museum report was given by Fred Schultz. Fred reported that WNRL, a Indiana Historic Radio Museum radio station, is about to become a reality. Located at 105.9 FM, the station will serve as a Ligonier community station with some broadcast activity at the High School. Much of the credit for the station licensing goes to Marcella Schultz. Marcella's tenacity outlasted Federal layers of application to succeed in getting the appropriate authorization. Members applauded Marcella's effort.

When put to a vote, attending members selected the first Saturday following Labor Day as the date for next years Northern Indiana meet. Ty Gregory will follow up to schedule the date.

When called on, editor Ed Dupart requested members to remember the Bulletin and send in articles for the IHRS publication. Ed hopes to have the next issue out in early October.

Members were reminded of the Greenfield meet on October 11. IHRS will select Officers for 2004 at this meeting.

President Garl thanked the crew who helped make the Northern Indiana meet a success – especially those who contributed to registration and food service.

Meeting was adjourned at 1:20 PM.

Respectfully submitted by Fred Prohl, IHRS Secretary/Treasurer

IHRS 2003 Elkhart Meet Report

IHRS had 66 family registrations for \$330.00 The Donation Auction added \$61.20. The donation can collected \$116.33 for a total income of \$507.53.

The auction report is as follows:

Total donated lots: 6 totaling \$44.00

Total no sale lots: 7

Total sold lots: 14 totaling \$ \$17.20

Total auction lots: 25 totaling \$61.20

Expenses included pavilion rental of \$100.00, food and drink \$181.46 for a total expense of \$281.46. Cash submitted to the IHRS account equal \$226.07.

Insurance is \$123.25 netting IHRS a plus \$102.82 for the meet.

Special thanks goes to Dave and Julia Bart, Hal Hunt, and Dave Nauseda for their donation items to the auction.

Submitted by Ty Gregory, Elkhart meet chairman

IHRS Museum Notes

By Fred Schultz

It has been almost 4 years since we first applied for a low power, non—commercial FM radio station license. It is now about to become a reality. We have the construction permit from the FCC, a transmitter, and FM antenna has been purchased and tested. A self-supporting, 100 foot tower is being installed on the West Noble School Corporation property.

Installed, this tower would normally cost several thousands of dollars. Emergency Radio Service, a local company that has been installing radio and TV towers since the 1950's is doing the entire job at no cost. The station will be used by the school to teach communications, and by the community for local news and information. With only one weekly newspaper, this will be a great asset to the community.

Ligonier has a large Park and Recreation Center that is in the process of adding on a new addition. They have volunteered to build a remote studio. The studio will be approximately two miles from the transmitter. Free phone lines will be provided by the Ligonier Telephone Company.

The Station is licensed to the IHRS Radio Museum, it being one of the few places that meet the FCC licensing qualifications. The Museum will benefit directly from tourist information that can be broadcast daily.

The station's call letters are WNRL, 105.9 on the FM dial. The IHRS Museum could very well be the only Radio Museum with its own FCC licensed radio station.

The Museum is having another great year. State Senator Robert Meeks toured the museum along with several other dignitaries. At last count we had over 20 local volunteers for the day-to-day operation. There are plans to do some major maintenance work this winter, which may require the museum being closed for a month or two. We have also been working with Serge Krauss to add a display of early turn of the century test equipment and other unique items. Some items recently added to the museum are an ivory Kadette Jewel, a very rare form of early condenser that looks like a loose coupler, telegraphy items, a great Zenith console, and a 'Radio' flour sifter, donated by Fred Prohl.

2003 IHRS DUES

Please send a check payable to the **Indiana Historical Radio Society** in the amount of \$15.00 for a one-year membership or \$25.00 for a two-year membership.

Send your payment to:

Fred Prohl, IHRS
3129 Lanam Ridge Road
Nashville, IN 47448

Please include your current mailing address, if not on your check, and your email address, if you have one.

Questions concerning your membership should be directed to Fred at fprohl@att.net or call him at 812-988-1761.

Comments from the Editor

Ed Dupart

The Elkhart meet has come and gone, just like the summer and I enjoyed both of them. It was good to see old friends, see some neat old radios and enjoy the great pitch-in lunch! My hats off to all those who make the Elkhart meet a success.

I was happy to get several articles! Keep them coming!

I will welcome all suggestions for improving the Bulletin.

Please use e-mail or regular postal mail for sending articles and information to me. If you want to send me articles on a 3 1/2 or 5 1/4 floppy, that's great, too. I can work with virtually any word-processing program for DOS or windows designed for IBM compatibles. Please send computerized pictures in a BMP, JPEG or TIFF format. Pictures can be incorporated with the article done in Microsoft Word or WordPerfect. If you don't have your pictures computerized, send the photo to me, preferably 35mm. Polaroids lose detail when I scan them. If you want your pictures and articles returned to you, please let me know. Sorry, I'm not set up for Mac or Apple. Typewritten articles are fine, too, because I can scan those into my computer.

I will be looking for pictures of unusual radios from inexpensive to expensive radios that you normally don't see at shows for a picture gallery in the Bulletin.

Send me a photo of your favorite radio and I will put it in the Bulletin.

If I make a mistake, please let me know so I can correct it.

Upcoming articles: repairing transistor radios and replacing 6Kv capacitors in 7" to 9" early TV's.

Ed Dupart

In memorandum:

We are saddened to report that Indiana Historical Radio Society member Chester Michalowski died at his home in August of this year. Chester was 42.

Articles **THOSE OLDER RADIOS**

By Bill Arnold
Washington, Indiana

First of all, I did not grow up with the radio as most of the older people did. As a result, I do not remember the older battery sets of the 20s nor do I know much about the design of them. When I first became interested in radios as collectibles, I wanted something that would just plug in to the outlet. In fact, I never remember most of the sets that I collect.

As I became more involved, I started to do my own repair work since I worked as an electronics technician. Of course, it was an entirely different type of electronic

work but I did have a good knowledge of soldering, wiring and all of the things that are associated with that line of work.

As time passed, I realized that most of the really nice radios had already been taken and if I wanted a nice radio, I would either have to pay a big price or do most of the work myself. This didn't seem to be much of a problem but it was not without a lot of effort on my part and a lot of work to learn what I had to learn to be able to do a good job of restoring and repairing my radios. Keep in mind, I am only doing this as a hobby and while I have a lot of radios for sale, the main idea was for me to learn how to work on these. In order to get fairly competent, I needed experience. I could not get good at this by doing one old radio. I needed some rough ones to do because you don't learn anything from a good one. Some of the ones I started with were not much more than parts sets but I managed to make decent radios out of them. I can take pride in the fact that I salvaged a radio that would have otherwise been thrown away or used for parts.

As I gained experience, I bought different brands and types to restore. I will admit, I will work on radios that have newer miniature tubes but I really prefer the sets that use the old globe tubes that look like light bulbs. If the radio is too new, it doesn't interest me. If it is solid state, I let some else have it. After about 20 years of collecting, I seem to have come to the conclusion that I like the radios made from around 1930 to 1935. These plug right into the outlet and perform pretty well. Of course, there are good brands and bad brands but you soon learn which ones will play well and which ones are built cheaply.

I know there are a certain amount of collectors that don't care if the radio works or not but I want all of my radios to work no matter how terrible they were when they were new. I have some that were cheap radios when they were new and they haven't improved with age. I suppose I could modify some of these but it is hardly worth the effort and one wonders if that would actually take away from the value. I do prefer to fix them up as original as I can. After all, I can buy a modern radio at Wal-Mart if that is what I want.

Even as crude as some of the old battery sets of the 20s are, I like to know that they play. I have a 1925 Crosley Super Trirdyn that plays but will admit, if that is the only radio you listen to, you may have hit rock bottom. It is only a 3 tube set and made cheaply so that it would sell. I think every collector should have one like this so their friends can see what radios used to be like. People have no idea what the early days of radio was like.

As I said before, I like all of my radios to work even if they are not great radios. I also want a few old ones even though my main interest is in the later superheterodyne radios. With this in mind, I have picked up a few old sets made in the 20 just for "show and tell." I really don't play them much but my friends are amazed at what they look like.

One such set I just picked up is a vintage RCA Radiola III made in 1924. It has two tubes, six capacitors, one resistor and uses coils for tuning. It doesn't have enough amplification for a speaker but relies on headphones. It also uses four different voltages to operate the radio. These were actually different batteries. It must have an antenna and good earth ground to operate. Even at that, it is not very clear and only gets a few stations.

Actually, these radios are fairly simple to operate and easy to get going providing nothing is broken. The weak part of them was the output transformer and capacitors. After all of these years, the transformers open up and need to be either rewound or new ones installed. The capacitors change value and it becomes difficult to find stations. I am told many Radiola III's are weak due to bad capacitors.

I decided I would install a new coil in the transformer and rebuild the capacitors. I installed new capacitors in phenolic tubes and pressed the original metal ends on the tube. Now they look just like the old ones but are back in tolerance. The tubes which are originally WD-11s are hard to find but replacement tubes are available and work nicely. In other words, I completely rebuilt the radio. Now it will last for years since it has modern components to replace the old ones.

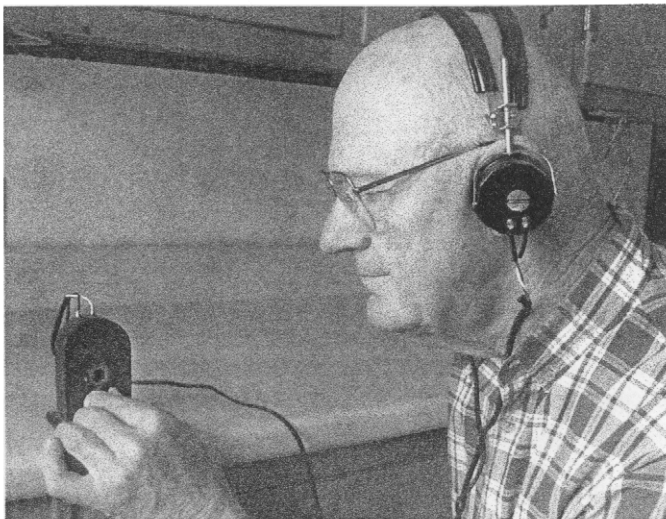
I used two D cells in parallel to set up the filament voltage and one D cell for the negative voltage for grid of the output tube as indicated on the schematic. I then hooked five 9 volt batteries in series which made 45 volts to supply plate voltage to the output tube and two 9 volt batteries in series to supply plate voltage needed for the plate of the other tube. I made a battery box and labeled the terminals to correspond with the leads coming from the radio. It works fine with this arrangement and all I have to do is hook up the antenna and an earth ground.

I am convinced it works as it did when it was new. In fact, it may be a little better than new because the tubes are better quality. It was an interesting project for me because I have never worked on many of the older sets. It was also something I believe I needed to work on so that I can be familiar with that type of sets. I know I can't expect to be an expert on everything but now at least I can rebuild one of the older ones if I choose.



What is it? Look elsewhere in the Bulletin for the answer.

A Memorable Crystal Radio



By L. Dwight Farringer, Professor Emeritus of Physics, Manchester College

In a recent visit with my brother-in-law Robert Halladay, Professor Emeritus of Physics at the University of Kentucky/Ashland Community College, a crystal radio dating back to his boyhood was resurrected from obscurity among old family keepsakes. Professor Halladay, who grew up on a farm near Greenville, Ohio, believes he was about age 10, which would have been in 1936, when he received this radio as a gift from his Uncle Homer Halladay.

Homer built this little radio from scratch, in a shape to resemble some "tombstone" radios which were common in the 1930's. At the top is a plaque with a design to resemble a speaker grille. Below it was a little brass plate - now missing - engraved with a design to resemble a tuning dial, and below that a tuning knob.

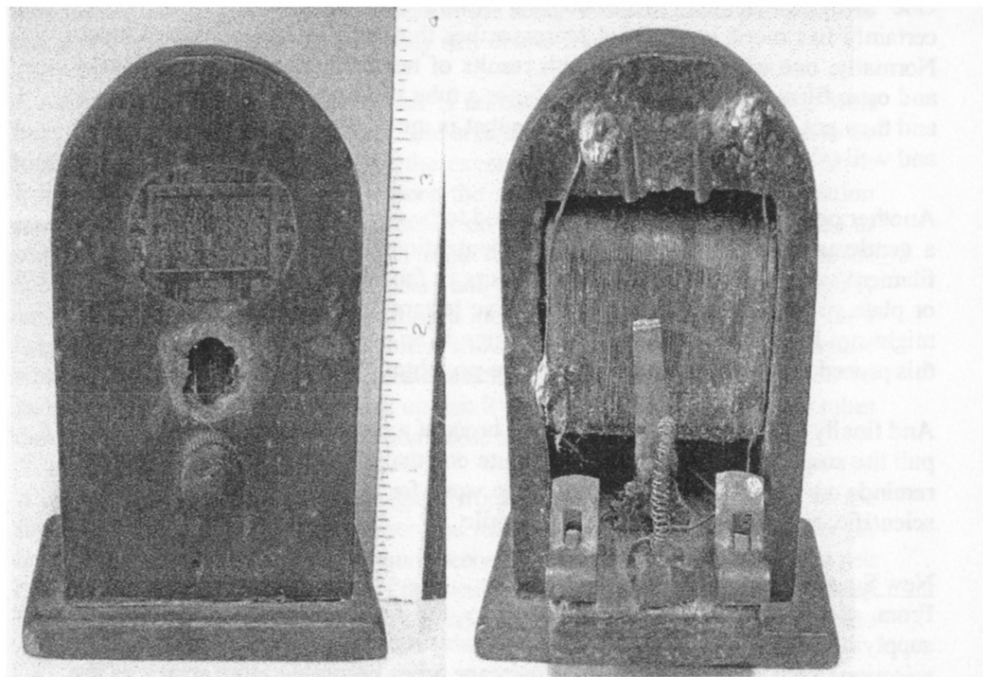
The tuning coil is wound on a wooden block, and the sliding contact is coupled to the tuning knob on the front of the radio. The galena crystal - now missing - fitted into a little brass clip between the antenna and ground Fahnestock clips. At the top are clips, fashioned from thin brass, for the headphone cord tips. Bob recalls that the radio worked pretty well with an outside antenna at his family's location, not very far from WLW in Cincinnati.

The rest of the story is that Bob's uncle Homer, born in 1912, became crippled by poliomyelitis at age 12, long before any effective vaccine against it. He had very limited recovery of use of his arms and legs, but his mental powers were unaffected, and he had great dexterity of his hands. Through home schooling,

he graduated from high school and took training as a watchmaker. He set up shop in a corner of the family dining room and carried on quite a reputable business in jewelry, watches, and clocks, until his death at age 47. He openly recognized his limitations, was aware of the statistics pointing to his shortened life expectancy, and made good use of the years he had.

In his later years, Homer purchased his own car, with completely hand-operated controls, so that he and his aged mother could get around the community independently. He devised his own facilities for getting himself into and out of the car, culminating in a small elevator platform using an old auto transmission and a half-horse motor.

Homer loved to fabricate mechanical things, such as miniature farm implements, from tin cans, pieces of copper tubing and other bits of metal. He became quite adept with the tin snips and soldering iron. He took some pride in a small farm tractor he built, with an operating steam engine powered by a small alcohol-burning lamp, which was capable of pulling around some of the other miniature implements he had constructed.



Front and back views of the crystal radio with a 1 inch scale.

Oh, yes, he also learned how to make a unique little crystal radio for his 10-year-old nephew.

Dave's Service Bench

By Dave Mantor

Tube Testers Revisited One More Time

After the last issue of the Bulletin came out, it is interesting to note of a discussion that came up on a vintage equipment forum that I subscribe to online. A fellow new to vintage radios and from the southwest asked the question of what kind of tube tester to look for. Several came on with notable comments as to their preferences of different types of testers as well as what type of performance one could expect.

Several mentioned the Hickok 600A as being a very useful tester. It works well for conductance tests and has noise, shorts and gassy testing also. Other testers mentioned were the surplus TV-2 and TV-7 along with the old I-177, all being very reliable units to test tubes.

One thought that was mentioned by several different participants, and it certainly has merit is we need to remember that tube testers are not perfect. Normally, one will be satisfied with results of testers indicating shorted, leaky and open filaments. However, sometimes a tube will be tested at line frequency and then put into an electronic scenario that is much different. Interesting point and well taken.

Another posting on this subject that I found to be very informative was added by a gentleman from Australia. It is his contention that it pays to bring up the filament voltage slowly (over several hours in fact) before applying any screen or plate voltage. Many of the inexpensive testers do not have this ability so it might not be an easy task. However, there is an online location that describes this procedure: <http://www.nd2x.net/tube-prep.html>.

And finally the comment was made that brought a few chuckles, I'm sure. "Just pull the suspected poor tube and substitute one that is known to be good." That reminds me of a mechanic that did some work for me not long back. Not very scientific, but it does work...once-in-a-while

New Supplier of Tubes

From another angle, I see a company by the name of Electro-Harmonix is supplying new tubes, some of which are replacements for some classic selections such as the 5U4GB. With vintage tubes becoming more scarce as the months and years go by, it is good to know that new replacements for some tubes are now showing up. If you have online capabilities, you can find out more about them at: <http://www.newsensor.com> or by calling 718.937.8300.

The Cleaning of Tubes

On a recent trip to pick up some military radio equipment from the Detroit area, I was pleasantly surprised to find the person I was dealing with throw in (figuratively) three file boxes of old tubes. (I'll share more details of this trip another time.) A quick examination of the additional booty revealed a number of quite old boxed tubes along with a collection of loose ones. Further examining showed that I had some tubes with the numbers worn off.

This has always been a problem as the ink used in by-gone days to identify different tubes was a water-soluble type of ink. It would withstand neither vigorous rubbing with a cloth or any kind of cleaning fluids to get rid of the dirt that is commonly found on old tubes.

If you need to clean up a tube even before you begin to look for the numbers, by far the best way is with water and a soft cloth. No hard rubbing; just gently wipe all the residue and allow it to dry naturally. Soft baby wipes work nicely, too. (Use new ones!!) It is fortunate that many of the older tube manufacturers imprinted the tube identifying numbers in the base. I expect the departure from this procedure was to help the company stay cost-effective.

A novel way to pull up a number that is unreadable or seemingly gone is with baby powder. Just sprinkle some on the area that you believe the numbers to be located and then gently blow away the excess. By shining a bright light on it from an angle could very well restore the numbers at least for identification purposes. This method is probably easier on the tube than another way I read of some time back. That procedure was to put the tube in the freezer next to the ice cubes and frozen peas for several hours and then quickly take it out and lightly say "Ahh" while your breath is putting a moisture cloud on the tube. Again a bright light and the number will often show up. However, I caution anyone from using this method as I'm afraid the life of the tube may very well be shortened by the cool down – warm up that it goes through. Though metal tubes don't have that certain glow, they don't lose their numbers as easily either.

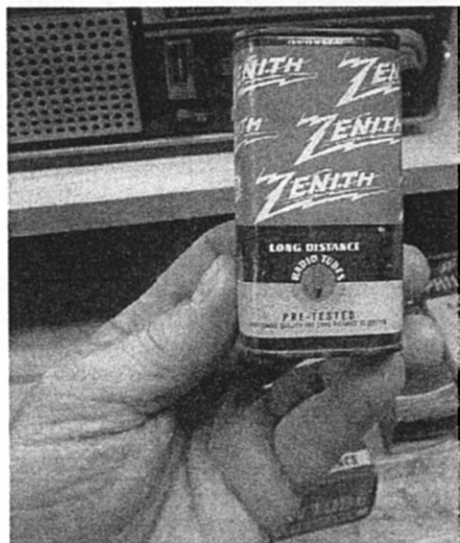
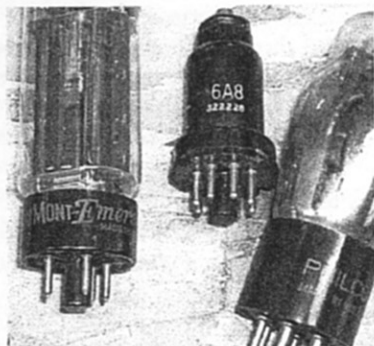
It's often been said that the warm glow from a tube radio is comforting to the tired soul and I believe it. Whenever you turn on your favorite radio and begin listening to soft music, the atmosphere becomes even more poetic when you see the light from the tubes shining on the wall behind the radio. It's hard to keep from getting wordy at this point, but as one once said, "Real radios glow in the dark."

Have a good thought and see you next time.

Dave Mantor

merrijoy@comteck.com

Pictured below are some of Dave Mantor's tubes:



Dave Mantor showing
how Zenith packaged
some of their tubes.

A little Humor

Escaped Electron

A reward of 500 microFarads is offered for information leading to the arrest and conduction of Hopalong Capacity. This unrectified criminal escaped from a Weston Primary Cell where he had been clamped in ions awaiting the Guass chamber.

He is charged with the induction of an 18 turn coil named Milli Henry, who was found choked and robbed of valuable Joules. He is armed with a carbon rod and is a potential killer.

Hopalong Capacity is also charged with driving a DC motor over the Wheatstone Bridge and refusing to let the bandpass. He is considered dangerous and if encountered may offer series resistance.

The Electromotive Force spent the night searching for him in the Magnetic Field where he had gone to Earth. They had no success and believe Capacity returned Ohm via a Short Circuit. He was last seen riding a Kilocycle with his friend Eddy Current, who was heard playing "Ohm on the Range" on his harmonic.

Author Unknown

John D. Foell, P.E. Principal Electrical Engineer Raytheon Company
email: John D Foell@raytheon.com

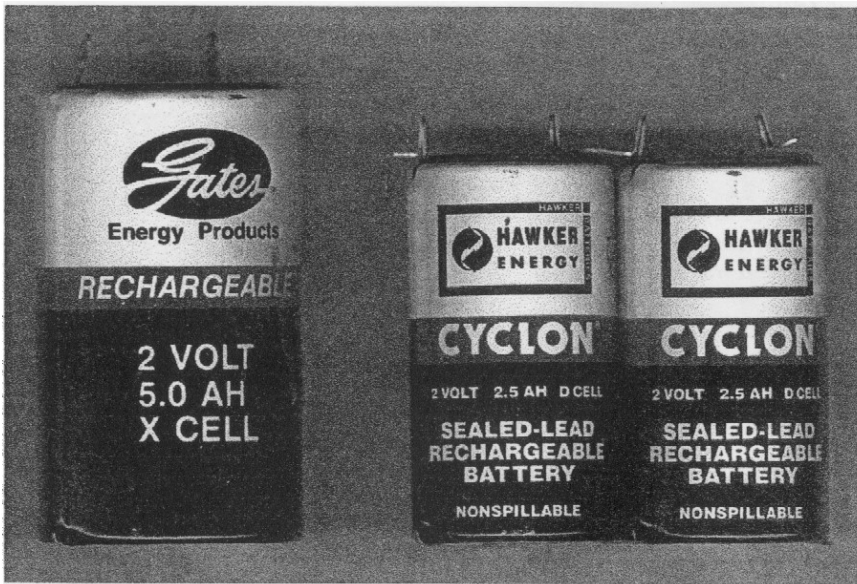
John contributed this humorous article. I saw this many, many years ago and always wanted a copy of it. Thanks John.

Ed's Tech Tip

The 2volt Farm Radio and others

One of the contest categories for the Greenfield meet this year will be farm radios and it is easy to find batteries for the 1.5 volt radios but how about the 2 volt radios? Many of us also have the AC/DC battery 1946 GE metal portable radio that uses a vibrator and a 2 volt lead acid cell and the question always comes up, "What do I do for a battery?" Last year at the Dayton Hamvention I discovered 2 volt lead acid cells the size of D 1.5 volt cells and larger sizes. I wanted a local source here in Indiana for these batteries and I found **Meunier Electronic Supply, 3409 E. Washington St., Indianapolis, IN 46201** has them. Their phone numbers are: **317-635-3511 or 800-638-6437, FAX 317-631-4707.** **Mike Morone**, Vice President, Sales is a good contact person and his E-mail is: **mmorone@meunierusa.com**. They also carry about anything else you need in electronics.

Pictured are size D, 2 volt batteries rated at 2.5AH and a larger one rated at 5AH and a 90 volt battery pack made up of inexpensive 9 volt batteries. Also pictured is an Airline, that I restored, model 385, 2volt radio of about 1938 vintage, with the batteries hooked up.



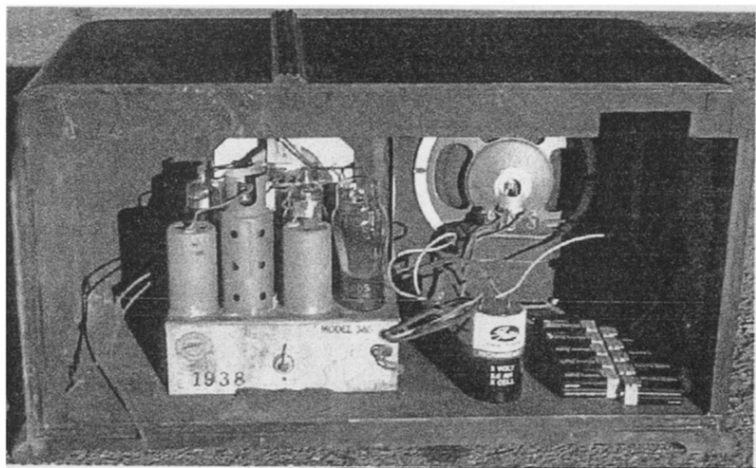
The cells to the right are the size of D flashlight cells.



10 inexpensive 9 volt batteries make up this 90 volt battery pack.



Airline model 385 with a shortwave band. (knobs aren't correct)



Back view of Airline model 385 with batteries.

The 2 volt battery lasts about 2 hours and then needs charging and the 90 volt battery pack lasts up to a year. The sound with this type of speaker is better than what I expected.

Photo Gallery



L. Dwight Farringer's Farnsworth D-55

OOPS! There was a mistake at the spring meet in the awarding of ribbons and I think Dwight explains the corrections best:

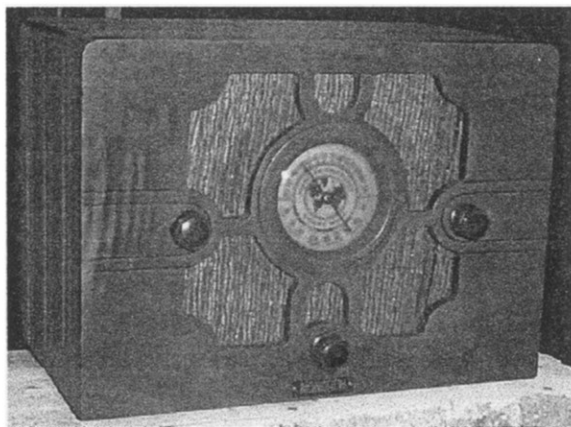
Dear Ed:

I am sorry to report that you fell victim to a misplaced ribbon. On page 17 of the Summer issue of the I.H.R.S. Bulletin which I just now received, the wrong radio is shown as blue ribbon winner in the Indiana Made Radio category, and on page 21 my radio in the Operating Radio category is incorrectly identified.

I had my Grunow 670 in the Operating Radio category and the Farnsworth D-55 in the Indiana Made Radio category. The Farnsworth D-55 was awarded the blue ribbon in the Indiana Made Radio category, but the mixup occurred when the judging committee hung the blue ribbon onto the wrong one of my two radios. The ribbon which you see on my radio on page 17 should have been on the real Farnsworth D-55. On page 21, the correct radio is shown in the Operating Radio category, but it should be identified as Grunow 670 - not Farnsworth D-55.

I spoke with the chair of the judging committee after the lunch and determined that they did indeed award the blue ribbon to the Farnsworth, not the Grunow, and they did indeed hang the ribbon on the wrong radio.

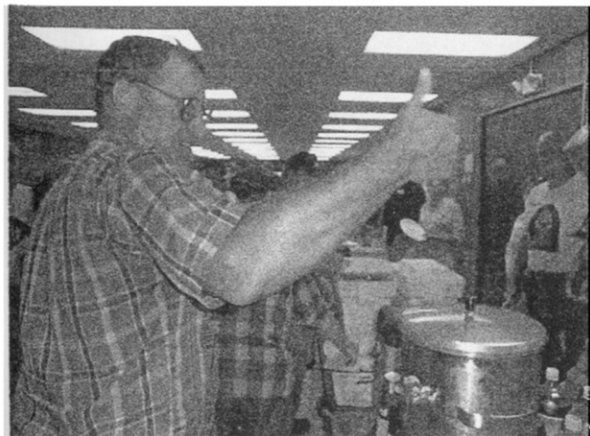
L. Dwight Farringer - N. Manchester, Indiana - KF9LS



Detrola 104 4 tube TRF with the low-band shortwave. I picked this up at the Elkhart meet and restored it the following week. Ed Dupart

The Elkhart Summer Meet

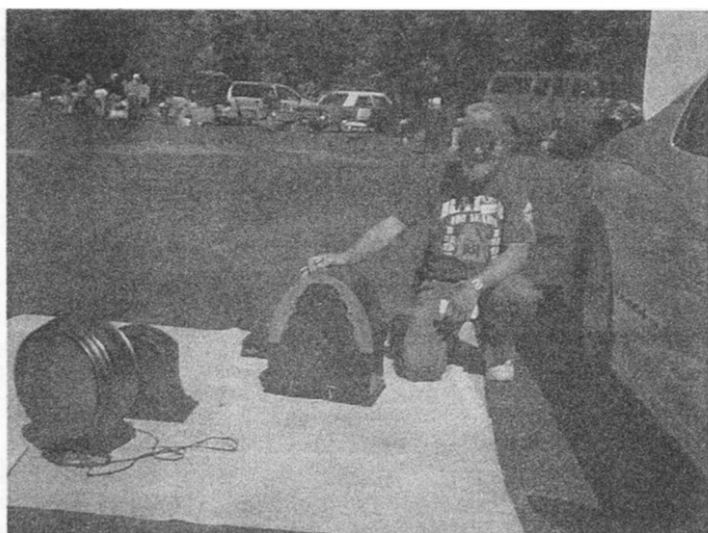
The Elkhart Meet was another success with beautiful weather, lots of radios, good food and lots of friends to visit with. The day started out cool with temperatures in the 40's and 50's, but soon warmed up into the 70's with lots of sunshine. The silent auction was a success and as a result of the auction I picked up a couple of goodies. The food was good with just enough to go around. My thanks to all who helped with the food, the cleanup and simply making the meet a success!



My sentiments too! A thumbs for this meet!



One of my favorite parts of the meet-food.



Bill Arnold and one of his radios.



Fred Prohl examining a cathedral

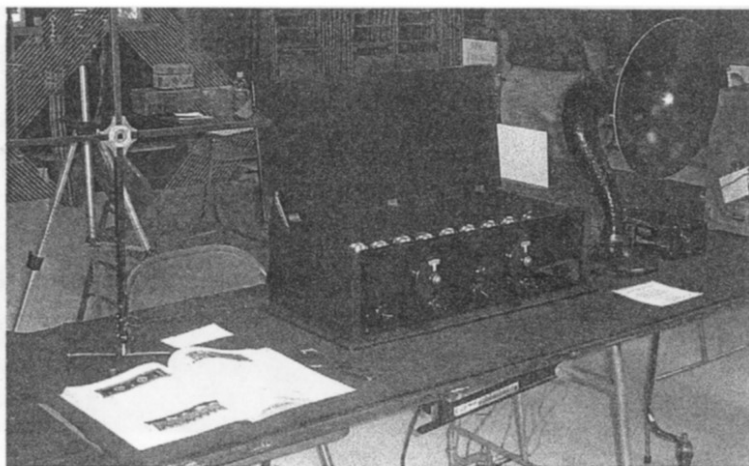


John DenHartigh and his display

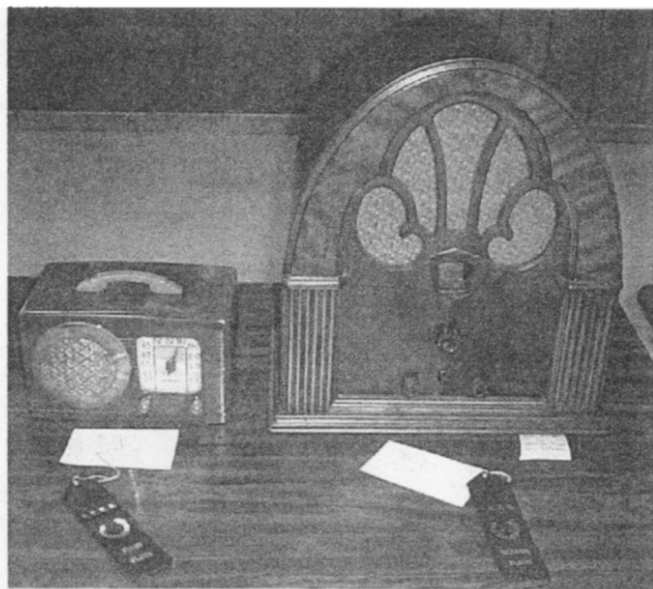
Contest Results

FOUNDERS AWARD BEST OF SHOW

Mike Feldt



Mike Feldt's beautiful display.



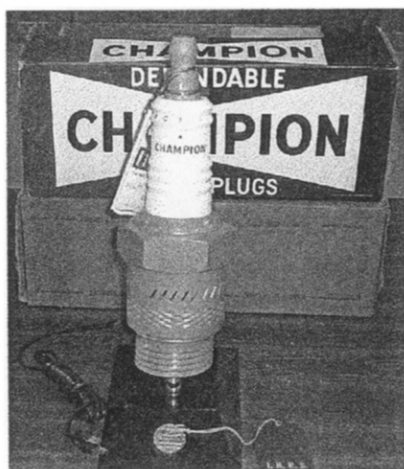
Category 1 My Favorite Radio

1st Charlie Miller

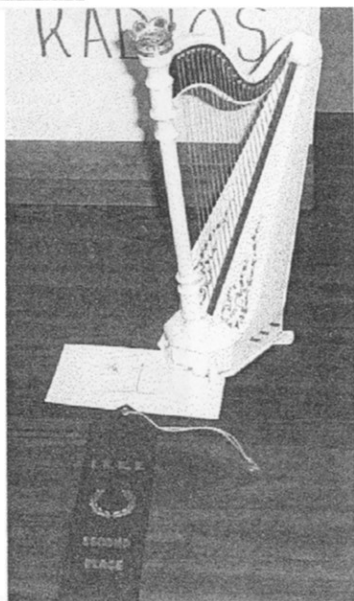
Motorola Catalyn

2nd Dan Waldschmidt Philco 70

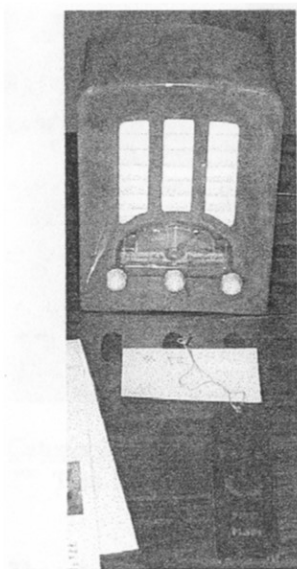
Category 2 Transistor Radio



1st Dan Greep Champion Spark Plug Radio



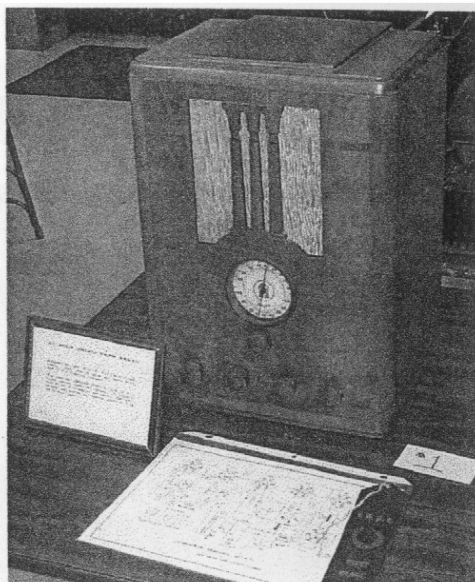
2nd Doug McIntosh Harp



1st Category 4
Charlie Miller Emerson



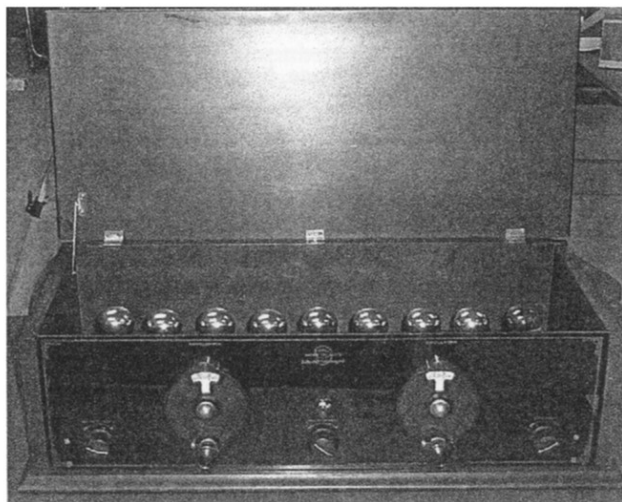
Radios Less than \$20
2nd Dan Greep Intra State



Category 5 Indiana Radios
1st Tom Williams Delco



Category 6 1920's Radio
Tie for 1st Fred Prohl Montgomery Wards



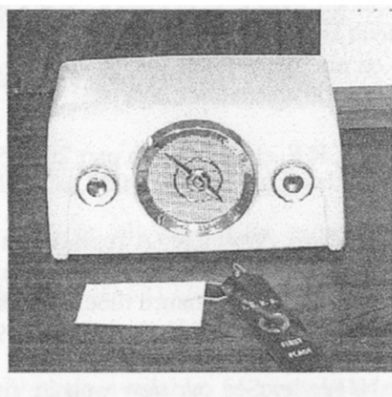
Category 6 1920's Radio

Tie for 1st Michael Feldt High Frequency Labs



Category 6 1920's Radio

2nd Tom Williams Freshman Masterpiece



Category 3 Tube Type Radio

1st Doug McIntosh Green Crosley

The what is it is a GALENA crystal for crystal radios and is the round insert that fits into a crystal holder.

RADIOADS

These ads are free to IHRS members. Please limit them to 100 words. Unless we are advised otherwise, we will run ads for two issues. The exception would be where services, etc. are being listed. Please send your ads to the editor at the address shown on page 2. NOTE: I removed a couple of old ads in this issue. If you want the ad put back in, let me know.

I'm also offering a postage size picture ad service. It's not guaranteed, but if space permits, I will put it with your ad. See the example I put at the end of the ads.



For Sale: PORTO BARADIO, white, complete with glass, no cracks, some handle warpage. Radio works. \$150.00 Fred Prohl, 3129 Lanam Ridge Rd, Nashville, IN 47448 (812)988 1761 or fprohl@att.net ⁹⁻⁰³

Wanted: Past issues to fill out my Popular Electronics collection -12/56, 4/57, 10/59, 11/59, 2/60, 3/60, 7/60, 10/60, 4-7/61, 9-11/61, 2/63, 4/63, 8/64, 10/64, 12/64. Also, I'm looking to find any issues in the late 60's and early 70's that included John T. Frye's story "Mac's Service Shop." I have some already, but I don't know when it started or ended. The 6/71 issue of "Electronics World" is also on my "Must Find" list. Dave Mantor, PO Box 1, Fairmount, IN 46928-0001. merrijoy@comteck.com ⁹⁻⁰³

Wanted: R.F. choke, Zenith part 20-135, for Zenith chassis 1204, as shown in Rider 8—41. Richard Ender, 806 Lee St., Milan, MI 48160. (734) 439-2545

For Sale: Now Available: A replacement for the UV99, our V999R replaces your UV99, our V999 operates the filament on 1.5 VDC. Both use a 5676 proximity fuse, subminiature tube. Our price: \$15.00 plus first class shipping. James Fred, 5355 S. 275W, Cutler, IN, 46920, phone (765) 268-2214.

For Sale/Trade: See our new website for beautifully restored radios. Choose from deco tabletop models to gorgeous consoles. Always open to reasonable offers. Check us out at: www.tubularradio.com Actively collecting Zenith and other high-end 30's wooden sets. Bob Snively, Richmond, Indiana
Phone; (765) 935-3746 E-mail; totallytubular@aol.com

Wanted: Any information about Marconi No. 3574 receiver (made by "MWTC, Ltd. London") using carborundum, valve, and perikon detectors. Needed for restoration project. George B. Clemans, 851 West Wooster St., Bowling Green, OH 43402. (419) 352-7198, clemans@bgsu.net.

For Sale: Philips Radio tube books. I am currently reducing my stocks of my book "Illustrated History of Philips Radio Valves to 1935" and am offering signed copies to fellow IHRS members for \$10 cash including air mail postage. Please reply to Fin Stewart, "Cockerdale", 380 Bulga Rd, Wingham, N.S.W. 2429, Australia.. email address cockerdale@bigpond.com

FOR SALE: Reproduction Philco cathedral cabinet parts and reproduction cabinets for model 20, 21, 70, 90. Grandfather clock finials: Philco 570, GE H-91, Crosley 124. Philco Colonial Clock top trim and finials. Rider's Radio Index, 1 through 23 -\$20.00 ppd. Books, SASE for list. All plus shipping. Philco cabinets, front panels, see page 22 in Volume 29, #4 the Winter edition. Other parts, inquire. Call or e-mail for details. Note new phone # and address. Dick Oliver c/o Antique Radio Service, 1725 Juniper Place, #3 10, Goshen IN 46526. New phone # (574) 537-3747, e-mail dolivears@aol.com

FOR SALE: Photocopies: Hallicrafters 8-22, Zenith 1000-1, Radiola III, 18, 60, 100A, 103, Majestic 52, and other radio, tube, and Test Equipment manuals. Also some Novelty radios. LSASE for list. N.I.B. Western Electric 421A-\$55 postpaid. **WANTED:** Speaker/output xfmr. assembly for RCA 5T1. Herman Gross, 1705 Gordon Dr. Kokomo, IN 46902. (765) 459-8308, e-mail = w9itt@mindspring.com

Wanted: Philco 512 Mandarin Red radio w/212 Red speaker or 514 Nile Green radio with 214 Green speaker or 513 Labrador Grey metal radio with 213 matching grey speaker. I prefer the Red model.
Bob O'Friel, 7631 Cape Cod Circle, Indianapolis, IN 46250-1844 Phone, (317) 849.4028

Interested in TV history? Want to see how it started? Try this Web site. You'll be amazed how far we've come.

<http://pyanczer.home.mindspring.com/Tour> Note: all lower case except the upper case "T" in tour.

Pete Yanczer, 635 Bricken Place, Warson Woods, MO 63122-1613

FOR SALE: Federal Book: Limited supply again available. 64 page booklet describes Federal Tel. & Tel. Radio-from the beginning in 1921 to the end in 1929. Over 60 illustrations including pictures of early Federal RF and audio amplifiers as well as all early radios. Many federal parts are pictured and described. The article and speech by Dick Scramberger, the Federal expert, are included. All Federal models are listed with the year and month introduced, cost new, and description. The Federal Broadcast station, WGR first in Buffalo is included. There are two pages of references for more Federal information. This booklet contains more Federal information than exists in any other single spot.

Good Quality printing. Please send \$7.95 (Including S&H) to Larry Babcock, 8095 Centre Lane, East Amherst, N.Y. 14051

Wanted: RCA 8T table model with a tuning eye. Can be rough.

Wanted: Wood cabinet for Atwater Kent Model 33 receiver.
Ray Andrejasich (317) 846-6977.

Wanted: MYSTERY SCOPE Any information will be appreciated on a 5-inch 'scope made by Television Equipment Corp, of NYC, model TEC601. This unit is heavy and very well constructed. It appears to be of early 50's vintage (octals and miniatures) and was intended for TV servicing. This is a candidate for a possible fun restoration project.

Harold E. (Hal) Hunt 1209 Canterbury Dr Decatur In 46733 260-724-9700
(leave message) hehunt@adamswells.com

Wanted: Whitley Electronics Murasonde Amplifier, built in Columbia City Indiana in the late 50's early 60's. Also need a large potentiometer (2 1/2 inch diam) used for filament control in early battery receivers (1922.) Knob (1 3/8 inch diam) and brass shaft (1/2 inch diam). The knob is same as a trimmer control on a Westinghouse RADA.

Fred Prohl (812) 988-1761 email fprohl@att.net



FOR TRADE: Majestic model 290 with built in squelch. It has that deep mellow sound with the original finish. I'm looking for a 3 band Detrola with a tuning eye. The cabinet doesn't have to be perfect.

Edward Dupart, Editor 1441 N. Church St.—Cadiz, New Castle, Indiana 47362-9172
(765) 533-6272 e-mail: edupart3@hrtc.net ⁹⁻⁰³



These really are radios and were entered in the Elkhart contest. Thanks to all who entered items for the contest. Ed Dupart, editor