



---

Vol. 31

Fall, 2002

No 3

---



---

A Fresh Face for a Philco 89!

See inside for details.



## Officers

(revised 12/4/01)

### 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](http://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 2002. our 31<sup>th</sup> YEAR**

### **Fall Foliage Meet at Greenfield** *October 12 - Saturday 8:30 AM*

Meet at the Riley Park Shelter, Greenfield, Indiana.

(One block north of US40 on Apple Street.) Old Radio Equipment Contest.

Includes an indoor/outdoor Radio Swap and Sell, a pitch-in lunch and IHRS election of officers.

*Note: Registration for the above meetings begins at 8:30 AM,*

*Swap and Sell in the parking lot is usually active at 7.00 AM.*

---

### **Other Club activities**

**11-Nov.** MSARC Fall Meet, Lexington, KY

Central Kentucky Vocational Technical School

Info: Joe Vittow, (502) 839-5444. Contest categories:

Battery sets pre-1931 (all styles)

Table sets, Repwood, tube (AC-AC/DC)

Television sets, tube or transistor

Novelty sets, tube or transistor

Microphones

Radio MFG & Broadcasters in MSARC Area ~Ugly Radio

Miscellaneous

### **NARC ACTIVITIES -2002**

For NARC meet info contact: Jim Thompson, 612-822-4000 or Kip Wallace,

612-544-2547, [KipWallace@dl-inc.com](mailto:KipWallace@dl-inc.com)

### **ARCI ACTIVITIES - 2002**

**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](mailto:OLDRADIO@NTSOURCE.COM)

### **MICHIGAN ANTIQUE RADIO CLUB**

November 9, 2002 Kalamazoo

February 1, 2003 Farmington Hills

Info: John Reinicke – [john.reinicke@fanucrobotics.com](mailto:john.reinicke@fanucrobotics.com) (248) 626-4895

Join the

**AWA**

**ANTIQUE WIRELESS ASSOCIATION**

**THE ORIGINAL AND LARGEST HISTORICAL RADIO-  
COLLECTOR GROUP**

### **Publishes *Old Timer's Bulletin* with:**

- Battery and AC receiver restoration
  - Vacuum-tube history and collecting
  - Old-time amateur-radio contests
  - Communications receivers
  - Free want-sell-swap ads
  - Early television
  - Horn loudspeakers
  - Reviews of current books
  - Keys and land-line telegraphy
  - News of U. S. and foreign clubs
  - Information on public radio museums.
  - Maintains unique radio-TV museum.
  - Produces the annual Rochester meet.
  - Co-sponsors local meets.
  - Publishes the annual AWA Review.
- Membership is only \$20 per year

Write to:

Antique Wireless Association, Inc.  
Box E, Breesport, NY 14816  
<http://www.antiquewireless.org>

### **Comments from the Editor**

Ed Dupart

As I write this, fall colors are starting to appear, rather inconspicuous. A little color here, a little color there. So, now it's time to plan for the October meet in Greenfield. I have always enjoyed this meet and always come away with good conversations and good food, and maybe a radio or two.

I appreciate the articles and pictures that have been sent to me. Keep it up. Remember, this is your Bulletin and with your contributions this publication can be even better!

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 a place for favorite radios.

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

If you haven't been to the IHRS museum in Ligonier, Indiana, why not plan a visit? This could be a good mini-vacation for anyone that likes radios. There are a lot of other attractions in the area to see. Contact Fred Schultz for more information.

(260) 894-3092 e-mail: [olradio@ligtel.com](mailto:olradio@ligtel.com)

Have a happy and safe fall.

Ed Dupart

## **IHRS Business News**

### **Minutes of the IHRS Business Meeting Elkhart, August 24, 2002**

IHRS President Terry Garl opened the meeting at 1:00 PM. There were approximately 60 members and family in attendance. Following a thank-you to the Elkhart 2002 meet volunteers Teny Gail reported the contest winners for the meet. A birthday wish was given to Serge and Roberta Krauss and Marilyn Johnston.

Treasurers report given by Fred Prohl - Current IHRS membership is 228. Down from 300 two years ago. Checking account balance is \$5350. Samples of 2002 expenses include \$1805 for three Bulletins (Vol 30 Num 4, Vol 31 Num 1 and 2), \$468 liability insurance, \$200 Indianapolis meet expense, and \$312 advertising. Income includes \$1460 membership dues and \$272 from the Greenfield Spring Meet. A member suggested the possibility of reducing expenses by distributing the Bulletin via the internet to members on a volunteer basis.

Editors report given by Ed Dupart. Contributions to the Bulletin have been good, please keep the articles and ads coming. Ed reminded the members that the ads are free to members and provide an excellent opportunity to find, trade, and sell radio items.

Museum report from Fred Schultz. The number of visitors to the museum has increased significantly during the past couple of months. Still on the list of possibilities is the establishment of an FM Radio Station for the museum (shared with the community). Securing the call letters and transmitting authorization has had some hang-ups but still may happen.

The following meet schedule for IHRS was presented and discussed: Greenfield Riley Park, October 12, 2002; Indianapolis and the Holiday Inn Southeast, February 15, 2003. Tentative dates are Kokomo Johanning Civic Center, May 2-3, 2003 (*attention note takers at the Elkhart meet – this date differs from what was reported during the meeting – please correct my error*), and Elkhart High Dive Pavilion, August 23, 2003.

The meeting was concluded with a special thanks to those who contributed to the pitch in lunch (*approximately 70 served*).

Respectfully submitted, Fred Prohl, IHRS Secretary

## **NEW WEBSITE!**

***alsantiqueradios.com***

Check out the new web site of IHRS member Alex Whitaker. Alex, a member of our organization for over 10 years has served as secretary, vice president and president. His collecting interest centers on Zenith and E. H. Scott. However, like many avid collectors, Al is interested and knowledgeable in all aspects of collecting, documenting, and restoring vintage radio. His web site displays some of his radios with high-resolution detail. Professionally presented, the pages provide a beginning for future development.

In addition to showing off good-looking Zenith's, Al's intent for the web site is to let the world know he likes to buy, sell, and service vintage radios. His service specialty is pre-WWII Zenith and E. H. Scott, and 1930 through 1955 automobile radios.

So at your next opportunity take a look and bookmark ***alsantiqueradios.com***.

Fred Prohl for the ***indianahistoricalradio.org***

## **NEW WEBSITE!**

Michael Feldt sent in a couple of new websites for us to check out.

Here is the web site address for the pictures posted of the Greenfield swap meet 2001. I hope the members like them.

<http://members.iquest.net/~feldtm/greenfield2001/greenfield2001.html>

It will be updated with photos from this years show as soon as I post them in mid December, in time for the Winter bulletin to be out. Also let me show you the address to my new web site. Its:

<http://members.iquest.net/~feldtm/webradio/frontpage.html>

It is still under construction since I began it last weekend. I plan to ad a page each night and have it ready before Christmas.

Happy Collecting  
Michael Feldt

## **Articles**

### **More Barbershop Radio (and TV)**

By John Foell

Ed Dupart's article on his experiences with barbershops in Detroit brought back my memories of the barbershops I went to as a kid in a small city in upstate New York in the 60's and 70's. The town was Oneonta, a college town and most if not all the barbers were Italian. These guys were "off the boat" or one or both parents were immigrants. Somehow they had made it up to upstate NY as did a lot of Italians - probably after WW II. They all were very proud of being "wop barbers" and didn't consider the term "wop"\* as derogatory. Names like Otello, Congliardo, Laterra. Of all the barbers in town (maybe 10) probably 9 of them were Italian and they always told everybody that a "wop" barber gave the best haircuts. I don't know about that, but I know that they sure were entertaining and they also all had radios and later TV sets in their shops - and they all used a vacuum cleaner on your head after cutting your hair. Usually it was an Electrolux hidden in the wall or ceiling with a hose snaking out to the barber

chair. They were one chair shops for the most part and didn't do "styling" – just cut hair. None of those shops are left now in that town. It is all "boutique" places – in some cases in the same location - and now, when I visit there, I make sure not to have to get a haircut.

Those three names above were the guys I knew and liked the best. Tony Otello was the first guy I started going to when I quit getting my haircuts from my dad. His shop, in a basement of a building was close to home and on the way to the junior high school. He was a talker and had a TV and a table top radio. As soon as he found out that I was "putzing around" with radios he told me of his big console (an Atwater Kent Model 70) in the back room of the shop which was "busted" but nobody would work on it for him. I told him I would give it a try and got it going. I can't remember what was wrong with it but once I got it running he was so happy he said I'd never pay for a haircut in his shop again. Thus began a relationship which lasted for several years. I would keep his radio and TV running and he would cut my hair. I felt like a big shot. He kept the radio going along with the TV – using the picture on the TV for ball games and playing the radio commentary which allowed him to concentrate on his work. The radio commentary was better anyway. Our town was an early adopter of "cable" TV which consisted of a site on a mountain outside the valley on which antennas were pointed at Boston, New York City, Syracuse, etc. and then translated to channels 2-13 and sent all over town by coaxial cable. In this way we got all the games on TV and when there was no game he would just turn the sound down on the TV and listen to the radio.

I told him numerous times to keep an ear on that radio and if he heard it quit, to get to the back room and turn it off before he smoked a power transformer. One day it quit and smoked itself and that was the end of the AK. Tony didn't want to let it go so he left it in the back room and went back to a table set. I looked for another big console (or replacement chassis or transformer) for him. Unfortunately, one day I went to his shop and it was closed – they told me he had had a heart attack and died. The shop was sold and became something other than a barbershop. I never knew what happened to the radio.

After Tony died, my dad suggested that I go to his barber, one Sam Congliardo – otherwise known as "Hotchy" – why, I don't know. Pop said to go in and tell "Hotchy" that I was his son (he worked for the newspaper and knew everybody in town – still seems to) and to give me a "Perry Como" haircut. When I got to the shop, Hotchy had what was the standard equipment for barbershops, the big console (a Zenith) radio and a big Black & White TV and the usual vacuum cleaner hose dangling from the ceiling. He asked me "Which movie star do you want to look like" and I told him "Perry Como" as Pop had told me. Well, he cut my hair and we talked and it was "déjà vu all over again". I never looked like Perry Como after a haircut – it turned out that part of Sam's shtick was the "movie star" bit but all the haircuts were essentially the same. Soon I was

maintaining Hotchy's radios and TV sets too. He had two sets of each - one in the front room where he cut hair and one in the back room for mostly older patrons to sit and watch and listen and smoke and probably tipple a little.

These years were during the Vietnam War and a favorite trick of Hotchy was to get some guy in who was being drafted and wanted the barber to cut his hair to a reasonable length so the Drill Instructor wouldn't pick on him for being a "hippie" when he got his first military haircut. If Sam found out during the conversation that the guy was being drafted, he would get between him and the mirror and essentially give him a "butch" cut. Of course, after this the guy was sure to get a real hazing from the D.I. as almost every young guy had long hair in those days so if you showed up at boot camp with either real long or real short hair they figured you were a "hippie" and rode you real hard. Upon seeing what Sam had done, the guy would usually go into a tirade and refuse to pay. Sam always said, "You won't pay me, but you'll pay in boot camp!" I think it was his way of "punishing" "flag burners". I got to watch a few of these - it was fun - probably today they'd sue Sam out of business. In a few years, the grim reaper put Sam "Hotchy" out of business. He died and his shop was closed. Most of these guys worked till they either died or couldn't work - it was their life. If forced to retire, they usually died soon after - maybe of boredom.

Sam Congliardo's shop was sold to another Sam, Sam Laterra. Sam Laterra was a Sicilian who was a bit younger than the others but was a "wop barber" just the same. He did away with the console radio and used a Zenith Transoceanic L600 (and the usual TV - now color), which I was duly charged with the maintenance of. I also kept his home radios and TVs going and his wife was always ready with the good Italian sweets and foods when ever I made a house call. He had a big Zenith dual band FM console radio-phonograph in his house, which I took care of. Every year he went back to Sicily to visit his brother and every year he swore he'd never go back - "they drive like maniacs there and never use the brakes". I went to Sam Laterra's through much of college - timing my haircuts so as to be home when I needed one. Some times I showed up at his shop looking like a hippie. Sam had a little trouble when he started his shop in the same location a Hotchy. Turned out by that time the college kids were a little leery of the "guy who shaves you bald if you are going in the service" and the reputation stuck to the shop. It took a little while for the college kids to realize that Sam didn't do that but every so often some kid would stick his head in and ask if he could get a decent shorter haircut without the "cueball" look.

I went to Sam till I left the area and moved to Indiana. I would visit him every so often when I went back to visit my folks and then one time I went back and Pop told me he had RETIRED - one of the few of the Italian barbers to do so. He thought enough of me to give me the big Zenith console and I think he moved to Florida. Pop told me he died a few years ago. His shop became a "stylist" soon after he retired and I quit going there. I found a few of the old

style barbershops in Indianapolis when I moved there but now they are few and far between. Still, I loved these old guys and their shops and radios – they trusted me, a kid (I started with Tony Otello when I was in 7<sup>th</sup> grade) with some of their most prized possessions.

\* “wop” a slang, derogatory term for Italians which was supposedly derived from the practice of Italian immigrants showing up at Ellis Island with out the proper documentation, and so being labeled as W.O.P. or “with-out papers” It may sound strange, but at the time, it wasn’t considered a putdown in our town – maybe because probably one quarter of the population was of Italian descent. I am of German, Dutch, and English ancestry but identify with Italians probably because I grew up with Italian kids and families.

## Articles

By Peter Konshack

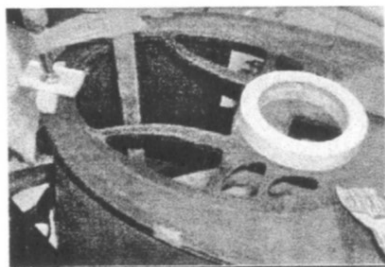
### **Philco 89 Cathedral Radio Restoration**

I purchased this Philco from a fellow collector at the summer IHRIS meet for \$40. The radio case was in reasonable shape, with a few pieces of veneer missing along the top edge of the arch. The case had been broken in the past, and was reinforced inside with some plywood. Structurally, it was ok, but the trim along the base did not quite line up, due to the repair. Electronically, The chassis looked to be complete, but I did not power it up. I pulled the chassis to save for a different day.

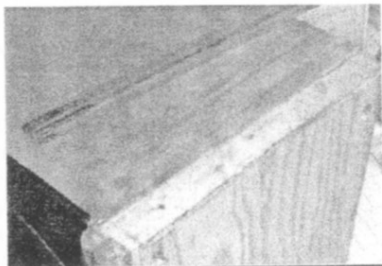
### **Cabinet Restoration**

I decided to refinish the radio in a style a little different than it came in. I have seen several Philco 89's done in brown, with black lacquer detail. This is similar to other Philco radios of the time such as the model 45 and 16b tombstone. The picture of the 89 in the Stein Machine to Jet Age book appears to be a black/brown model - though the photo is in black and white. I have no idea if these were real production radios, or simply creative refinishing jobs. It would be much easier to hide the veneer chips on this radio if the trim could be done in black lacquer.

I stripped the radio using Parks Refinisher and 000 wool. I spent quite a bit of time on the stripping of this radio - I had an image of what it would look like in my mind, and I wanted a good foundation to start with. A bad job of stripping the old finish would leave remnants, which would make the final result not as perfect. The photo above shows the patching of one of the veneer chips. A piece of veneer was cut to size, glued, and clamped into the appropriate place. Once the glue had dried, the veneer was carefully sanded to make the repair flush.



*Fixing veneer chip*



*Working on side trim*

The photo to the right above shows one of the trim pieces removed. They didn't line up properly, giving the radio an "off kilter" look. I removed this piece of trim, and cut down the veneer on the side of the radio so it would sit flush with the front trim piece. This ended up looking much better.

Once the case was prepared, I masked off the front and began to spray black lacquer. This took some time as I sprayed multiple coats to fill the grain and give a nice smooth feel. The lacquer was rubbed down a bit in between with 0000 steel wool. Once the black was done, the rest of the case was stained and sealed with a coat of clear lacquer.

The photo to the left below shows the toning of the sides of the radio. Cheap wood was used to form the "Arch" of the cathedral, while the front was done in walnut veneers. The wood on the sides needed to be darkened some so that it would not look completely out of place. Behlen master toner brown was used, and produced a darker finish. It's a little more red than I generally like, but that is due mostly to the underlying wood, and not the toner itself. Often times, I will also lay a few coats of toner on the front, to help match the various woods. I did that in this case, but then scrubbed it off. It dulled what I considered to be a beautiful pattern in the wood, and I decided that this was more important than an exact color match.



*Applying toned lacquer*



Many coats of clear lacquer went on the radio, and were let to cure for a few days. The finish was then rubbed out using 0000 steel wool, 600 grit silicon carbide paper, 1500 grit silicon carbide paper, and lemon oil. Once the finish was rubbed out, a coat of fine furniture wax was applied to protect the finish. The radio was reassembled with the grille cloth and knobs. The finished radio is shown above on the right. I'm very happy with the way this one turned out!

## Electronic Restoration

I'm waiting for the snow to fly before I begin on the chassis restoration. Summer is for cabinet work - and I have a lot of projects to work on!

### The Philco 89 / 19 and the Open Oscillator Coil

By Edward Dupart

The Philco 89 / 19 is an excellent performing radio with a superb sound that in my opinion can rival any Zenith or RCA, provided you change the capacitors. They do have a weak spot besides those pesky black boxed capacitors and that is the oscillator coil. In the course of 40 years, I have repaired quite a few of them. It was amazing to me how many people back in the 60's and 70's wanted their antique radio fixed.

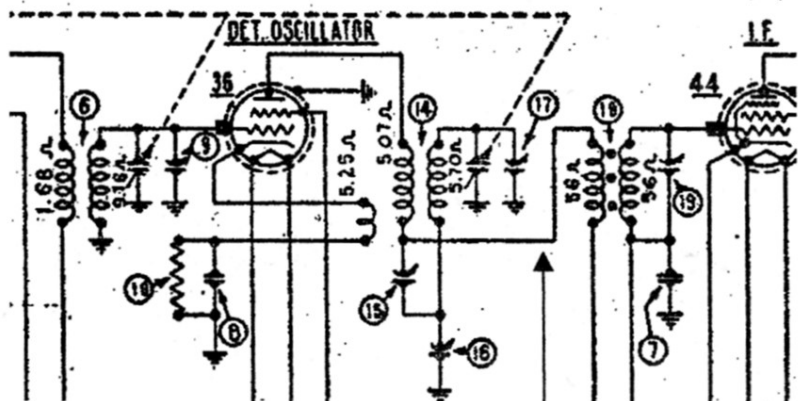
Well, back to the oscillator coil. A set that has an open oscillator coil will be quite dead, but may still pick up motor and electrical switch noise due to the IF amplifier still functioning. The audio stage will also be working normally. A lack of negative voltage on the control grid of the oscillator stage is a dead giveaway of a problem in the oscillator. In the case of the Philco 89 chassis, the coil that opens up is the feedback coil that is in series with the cathode and carries the full current of the mixer/oscillator tube. When this winding opens up, the cathode voltage will rise to a high positive voltage, definitely telling me the winding is open. An open cathode resistor can also duplicate the same problem, so make sure the cathode resistor is good. An ohm-meter will tell you if the winding is open (5-6 ohms) as well as the cathode resistor. Examine the schematic included with this article, which came from Rider's Vol. 3.

Once you have determined the winding is open, make a road-map showing where all the wires go to the oscillator coil. Do not trust your memory. When the coil has been removed, examine the feedback winding wires and see if they are making a good connection to the coil terminal. If you are lucky, the wire may be broken at the terminal. If that has happened, you can solder a short piece of solid wire to the terminal and the coil wire to the other end of the solid wire. Most of



the coils I have encountered have an open in the middle of the winding or the winding has disintegrated. When this happens, I have no choice but to re-wind the feedback coil. If that is the case, count the number of turns and the direction it is wound in. Write it down. This is very important information. If the coil is wound in the opposite direction it will not oscillate, or if it does the set will do strange things. If you can't find the right diameter wire, a larger diameter can be used, but it will take up more space. Wind the new coil on top of thin paper or plastic. The feed back coil is on top of another winding and this will ensure adequate insulation between the two coils and prevent arcing. Re-install the coil and it should work. Oscillator alignment may be necessary.

## Models 89 :

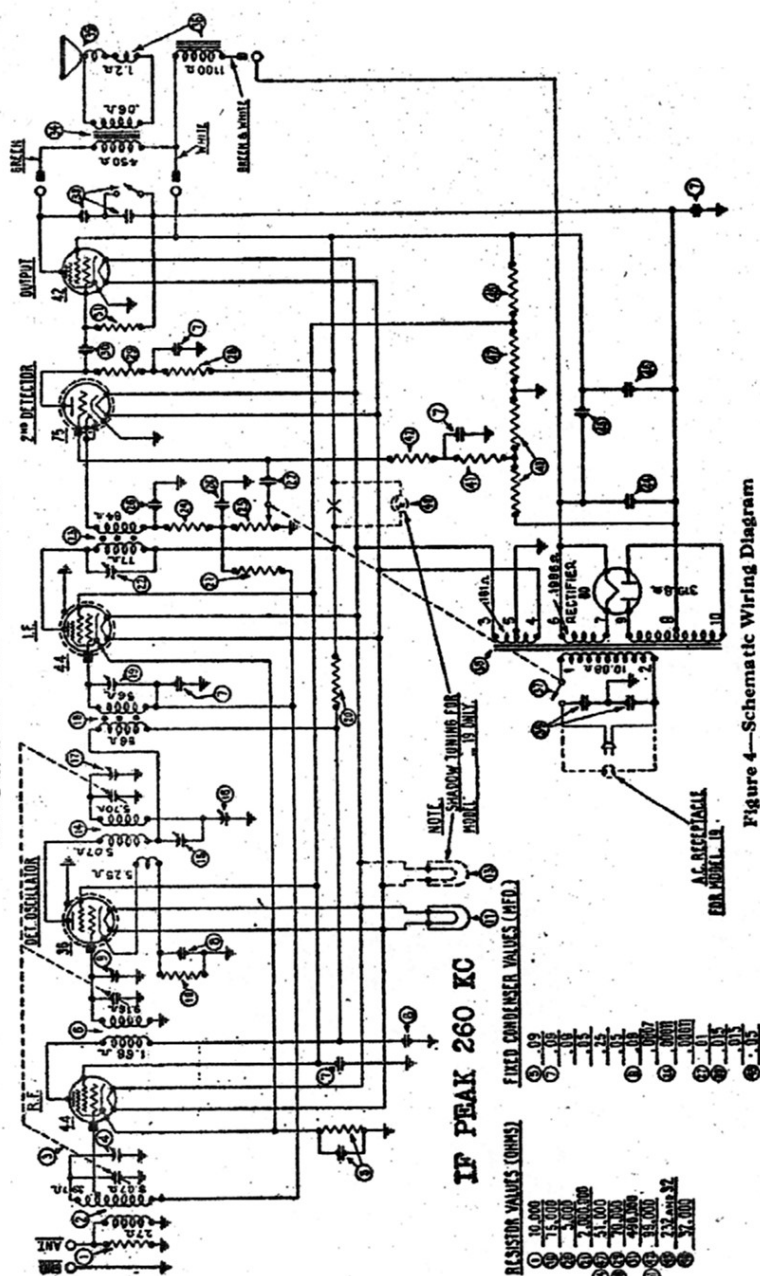


Feedback winding that tends to open up.



### Peter Konshack's Philco 89

## Models 89 and 19



**Figure 4—Schematic Wiring Diagram**

# ANTENNAS

By Bill Arnold  
Washington, Indiana

Back in the 20s when radio was just beginning to get established, radios were designed rather crudely by the standards of just a few years later. They were battery operated and some of the early ones were home made using a simple design with only one or two tubes. Sometimes the reception wasn't all that great and they didn't have enough power to operate a speaker but relied on earphones. In fact, for several years the radios that had speakers were not built into the radio but were external. These older sets also needed an outside antenna and a good earth ground for operation. Even at that, the sound was sometimes garbled compared to the sound of the radios made just a few years later in the 30s. Of course, they were much improved but that is a whole different story.

Anyone that remembers having a radio back in that era knew that it was essential to have what is called a long wire antenna for proper radio reception. It was constructed as high as possible and parallel to the ground. It was also suggested that it be away from anything that could interfere with the signal. According to the instructions for the Philco Model 70 and 90 receivers made in 1931, Philco recommended an antenna of solid copper wire 50 to 100 feet in length fastened on each end with insulators and away from trees and buildings. I am sure other manufacturers had similar recommendations.

While it is true that some radios will operate on an antenna of lesser length, it will not provide the reception of a good outside one. Normally the Philcos I mentioned will be able to pick up the 50,000 watt stations at night if conditions are right and the radio is operating the way it was designed to. Of course, you have to remember that if the radio is a little weak or needs some work, you can't expect it to perform the way it should. Many times, after the repair job has been done, the radio will need a re-alignment to restore the performance. On the other hand, there were radios that weren't all that great when they were new. I have a few of those myself.

One set that comes to mind is a 1925 Crosley that I have. It was a cheaper radio when it was new and I am not exactly sure what kind of antenna was recommended for it. It is one of those battery sets and will not play unless it has a good outside antenna and a good earth ground. Of course, it is only a three tube set and you can't expect miracles. It has two dials for tuning and has controls for the filament voltage. I have tried to operate it on an inside loop antenna but I never did have much luck with that.

There were several designs for the inside loop antennas. They consisted of wire wrapped around a wooden frame and mounted to a base. They could be turned around in various directions and tuned to the different stations by the use of a

tuner. I have one of those which was built and designed from an article published in 1927. It works well providing the set is a decent one. I have not had much luck with it on the older 20s sets.

While I built and sold a few of those from that article, I wouldn't consider it a great venture. Of course, you can put up an outside antenna cheaper if you have the room. A lot of people just simply don't realize how easy that is to do.

Later on in the 30s, antennas were built in to the radios and for the most part they provided reasonable reception but some still had a terminal or wire attached to it so one could have an outside antenna. Generally speaking, if you wanted to get foreign broadcasts, you needed an outside antenna. I know that isn't true in every case, but there doesn't seem to be a substitute for a good outside antenna.

What some collectors don't realize is that radios were designed to have antennas of a certain length. If you shorten that length or don't have the antenna positioned high enough, you just can't expect to achieve the results that the radio was designed to provide. It needs to be positioned away from buildings and metal that can shield the signal. If you have ever tried to play an AM radio in a metal covered building you know what I mean. It is shielded and all you get is noise within the building.

It is not a complicated procedure to install an antenna. It is just a matter of stringing up a wire from a telephone pole or building to your house. It must be insulated from metal on each end with a wire attached that runs inside and to the radio. I like to use a shielded cable that is used in TV systems. Ground the shield to a good earth ground and if you like install a lightening arrestor. That will give you some added protection in electrical storms. This shielded cable can be run under the house and you will not pick up any signals from your electrical system. The center wire is hooked to the radio antenna terminal and the shield is fastened to the ground terminal. You can install a knife switch so that the antenna can be disconnected when not in use.

While I realize this requires a permanent installation, I have installed antenna receptacles in a couple of rooms and just merely plug in my radios to them. I have eliminated a lot of noise by using shielded cable and everything is hidden except the wire from the plugs to the radios. Of course, I have no intention of completely selling out of radios anyway. I figure I will always be a radio collector.

One word of caution, if you have several radios hooked to one antenna, you must be careful in connecting the grounds. If the set did not have a ground, do not try to ground the chassis. Many times the AC-DC radios had one side of the AC tied to the chassis. Depending upon which way it was plugged in, you may

have a "hot" chassis. As you can see this a dangerous situation and it just might damage your favorite radio as well.

You may have to experiment to see which way your radio plays the best. Some may play better with the ground hooked up while others may be a little noisy. You have to remember that these AM radios were subject to electrical noise. Anything with a motor will be heard on the radio. Florescent lights will give you a buzzing sound and most modern appliances will be heard.

Some of this noise is radiated and some may be on the electrical line itself. If you would like to determine if you have line noise, simply use a transistor radio. Tune it to a place on the dial where there is no station and place it near an appliance or receptacle. If you hear interference or noise as you get close to the receptacle, you are getting the noise from your electrical system. In the worse cases, you may have to use an isolation transformer to eliminate it. Naturally, you won't be able to place your radio next to anything that puts out a signal. I have found that the modern Televisions, Microwave ovens, computers and VCRs are noisy. Some may even put out a signal when they are turned off.

I will say that if you have a good outside antenna, the radios don't seem to be affected by the noise you may get with just a simple wire inside. That all depends on where you live and how much interference is around. If you have a neighbor that turns on a neon light every night, you may not be able to get rid of that noise. If it is close enough it is radiated right into the tuner. If you try to filter it out, you may eliminate all other signals.

I have heard fence chargers interfere with radios. They emit a high voltage pulse that is audible on a radio. You won't have much luck getting the farmer to turn it off so that you can listen to your radio. You just have to put up with a certain amount of this if you listen to AM radios.

As most of you have noticed, there are good and bad reception days. On the good days, the radio will perform unusually well but if you are getting ready for a thunderstorm, you will hear a lot of static on your radio. There is not much you can do except wait for a better day. Of course, you don't want to get your set hit by lightening anyway. It is a good idea to disconnect your antenna during this period. Even if you have a good antenna, you can't beat mother nature.

## **Elkhart Meet August 24, 2002**

by Ty Gregory

The 2002 Elkhart meet again proved to be a winner, despite two minor rain sprinkles that day.

The turnout was about average, with 71 family registrations and the total number of people attending at close to 100.

The contest had many unique entries, (see contest report in this issue) and the silent auction had about the usual number of offerings. The parking lot had around 35 vendors, with brisk trading around 9 to 10 a.m. The noon carry in lunch featured an excellent variety of foods and tasty desserts.

Special thanks go to our usual crew of volunteers in making this years event another great success. To avoid conflict with other radio clubs major events, and due to limited booking dates for the pavilion, the 2003 Elkhart meet will be held on Sept. 6th 2003.

Sincerely, Ty Gregory

Elkhart contest results:

1920's

1<sup>st</sup>: Paul Kovacs - AK Breadboard

2<sup>nd</sup>: Jack LaVelle - Crosley 51 Portable Leatherette

Transistors

1<sup>st</sup>: Bill Morris - 1959 Kriesler Super Eight mod 41-22

2<sup>nd</sup>: Fred Prohl - Planatair Radio - Worlds Smallest

Radios that Cost Less than \$20.00

1<sup>st</sup>: Mike Bart - Crystal Radio

Tube Type Radios

1<sup>st</sup>: Janet LaVelle - 1956 Guild Teakettle Mod t/k 1577

2<sup>nd</sup>: Ken Nevins - Philco Cathedral

My Favorite Radio

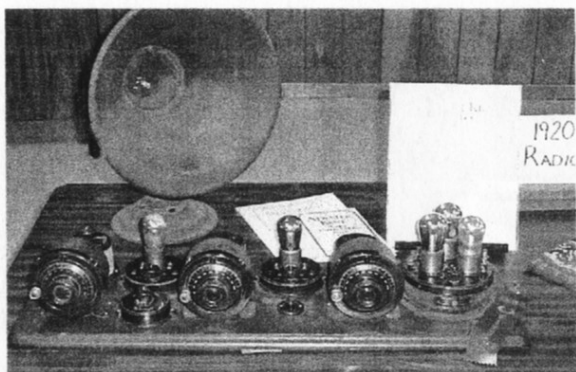
1<sup>st</sup>: George Hausske - 1 tube made from Western Electric Ringer Box

2<sup>nd</sup>: Bill Morris - Battery Radio

Ross Smith Memorial Award - Best of Show

Mike Bart - Crystal Radio as pictured below:

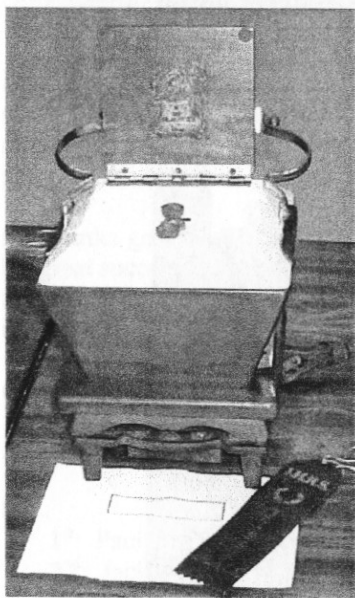




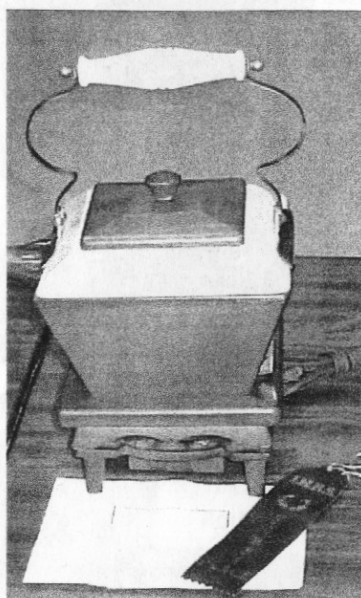
1<sup>st</sup>: Paul Kovacs - AK Breadboard      2<sup>nd</sup>: Jack LaVelle - Crosley 51 Portable



1<sup>st</sup>: Bill Morris - 1959 Kriesler Super Eight mod 41-22  
2<sup>nd</sup>: Fred Prohl - Planatair Radio - Worlds Smallest

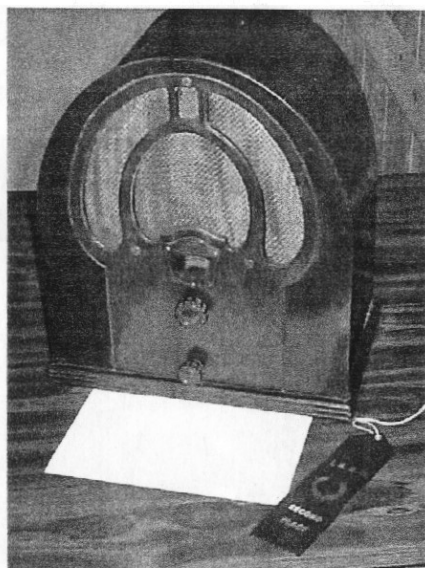


open lid



closed lid

1<sup>st</sup>: Janet LaVelle - 1956 Guild Teakettle Mod t/k 1577

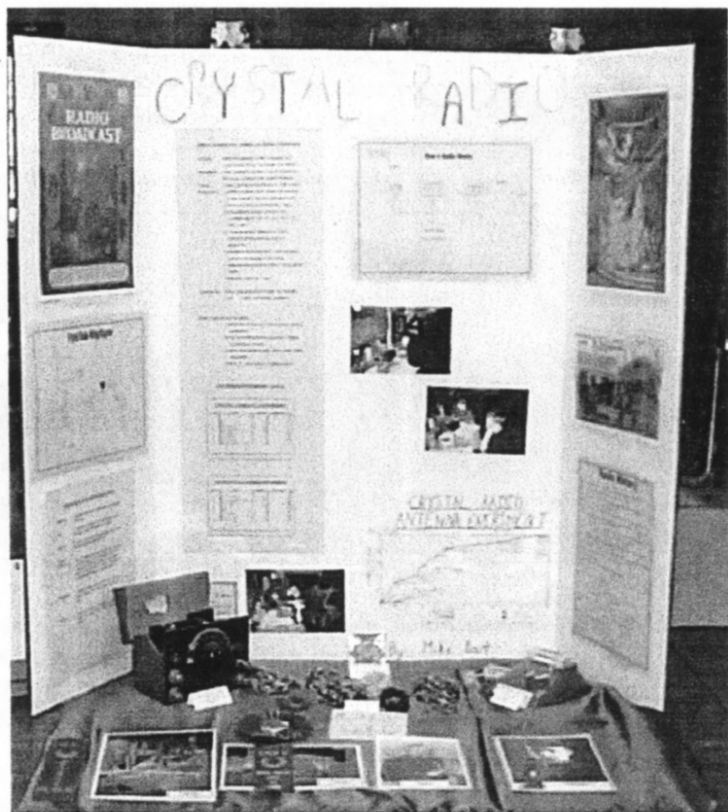


2<sup>nd</sup>: Ken Nevins - Philco Cathedral





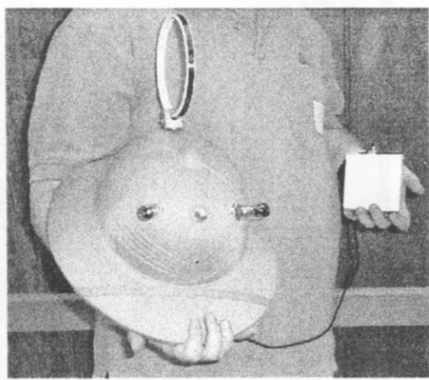
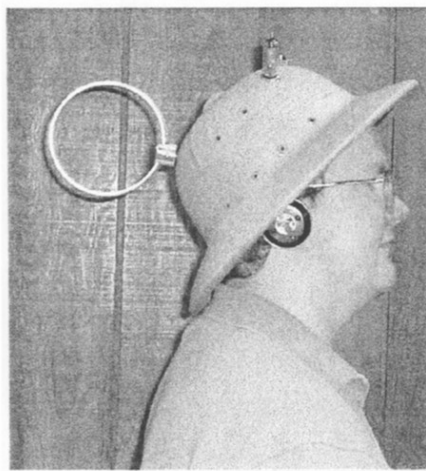
1<sup>st</sup>: George Hausske - 1 tube made from Western Electric Ringer Box  
 2<sup>nd</sup>: Bill Morris - Battery Radio



Ross Smith Memorial Award - Best of Show Mike Bart - Crystal Radio



The "chow" line at the Elkhart meet. I like this part of the meet and I've never been disappointed.



Bill Morris, at the Elkhart meet, displaying his radio in a hat, constructed from plans in an old electronics magazine.

---

## 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.**

**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:** 7+ BY 9+ framed, signed picture of Jack Smith, "The Whispering Baritone," \$7.50; Spartan record changer circa 1927 -30? \$95.00; 39 each sound effects LP records, 5 to 60 seconds spot announcements. \$100.00. Set of five Victoreen Superhet Coils, \$30.00. 30 each player piano rolls, all play OK and are in boxes, \$50.00. Walt Sanders, 15 Todd drive, Terre Haute, IN 47803 (812) 877 2643. e-mail: [greatgeneration@aol.com](mailto:greatgeneration@aol.com)

**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](http://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](mailto:totallytubular@aol.com)

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

**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](mailto:cockerdale@bigpond.com)

**For Sale:** 1947 Silvertone am/fm console radio with wire recorder and 78 rpm record player. Good condition, must pick up, cannot ship. \$75.  
George B. Clemans, 851 West Wooster St., Bowling Green, OH 43402.  
(419) 352-7198. [clemans@bgsu.edu](mailto:clemans@bgsu.edu).

**For Sale:** Near mint copy of the AWA Review for 1998--\$20.00 postpaid.  
James Fred, 5355 S. 275 W., Cutler, IN 46920, phone (765) 268-2214.

**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@bgnet.bgsu.edu](mailto:clemans@bgnet.bgsu.edu).

**For Sale:** Heathkit AR-29 FM/AM stereo receiver and amplifier. 35 watts/channel--\$45.00. Complete with original assembly manual (190 pages) and schematics. I understand the manual is worth the price. Cabinet and chrome in mint condition. FM needs alignment, otherwise works well. Ray Andrejasich (317) 846-6977.

**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](mailto:dolivears@aol.com)

**For Sale:** 1935 Clinton, \$50.00; Crosley 645, \$115.00; 1934 Emerson 36 \$115.00; Brown bakelite Emerson, \$40.00; 1948 Firestone 4-A-61, White, \$55.00; G.E. 51SF clock radio, Brown, \$30.00; G.E. 408, Brown, (not playing), \$15.00; 1931 Gloritone 26, \$175.00; 1935 Grunow 470, \$100.00; Maroon Motorola 5RI, \$30.00; 1930 Philco 20, \$235.00; 1931 Philco 70, \$315.00; 1936 Philco 84, \$150.00; 1942 RCA 6X2, White, \$50.00; 1946 Ultradyne L-43, \$45.00; 1936 Varsity, \$50.00; 1946 Zenith 5D-0 11, Brown, \$45.00. Zenith 6D-26-20. All radios are in nice condition and in good working order unless otherwise specified. Call for descriptions or can deliver to Indianapolis show in February.

Bill Arnold, Washington, Indiana. Ph 812-254-1702 or Email: [barnoldwworld.com](mailto:barnoldwworld.com)

**For Sale:** Book: "From Crystal to Color", the History of Radio/TV Station WFBM, Indianapolis (1924 to 1964) by George S. Madden & Burk Friedersdorf. First edition 1964 published by WFBM. Has 190 pages and is in excellent condition complete with dust jacket. Price, \$25.00

Novelty radio, solid maple wall telephone, excellent condition--\$30.00

Harry Blesy N9CQX,  
95740 Clarendon Hills Rd.  
Hinsdale, IL 60521

Phone/FAX (630) 789-1793

**FOR SALE:** Coke Machine, Cavalier Model CSS 173. Refrigeration works and it's all there including the key. Holds a lot of 12oz. (or smaller bottles). \$250.00 The coke machine may be seen by appointment, but bring money. Mike Clark, 6484 East 350 North, Franklin, IN 46131. Tel. # (317) 738-4649, e-mail [ripmaclark@aol.com](mailto:ripmaclark@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](mailto:w9itt@mindspring.com)

**FOR SALE:** Novelty radios, N.I.B.: Pekinese Dog - \$20.00, Computer Mouse FM - \$15.00; Pepsi machine, old style-\$20.00. Shipping extra. Steve Whited, 3637 W. 71st Street, Indianapolis, IN, 46268. (317) 298-9967.

**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

**Wanted:** For Zenith model 6G601M portable. The knobs, front cover and Wave Magnet. Also need Wave Magnet for 7G605 Transoceanic, I could possibly adapt one from a 8G005Y if available. Robert C. Pote, 1181 Crestwood Dr. Greenwood, IN 46143, phone (317) 881-4521 e-mail = [mrzenith41@aol.com](mailto:mrzenith41@aol.com)

**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:** Remler infradine amplifier, type 700, panel mounted on copper box, excellent condition less tubes--\$100.00 plus shipping. 3 used 201As--\$45 plus shipping. AK Model 49, includes battery cable, no tubes--\$ 100.00 plus shipping. James Fred, 5355 S. 275W, Cutler. IN, 46920, phone (765) 268-2214.

**FOR SALE:** Book, "The Story of Kolster Radio", 1928, HC. 46pgs 8 1/2" x 11", color and b & w with silver borders, company history and product line, beautiful blue and gold book showing some cover wear otherwise excellent--\$50.00. Harry Blesy, N9CQX, 95740 Clarendon Hills Rd., Hinsdale IL 60521, ph (630) 789-1793

**For Sale:** FEDERAL BOOK: LIMITED SUPPLY AGAIN AVAILABLE. 64 PAGE BOOKLET DESCRIBES FEDERAL TEL. & TEL. RADIOS~ FROM THE BEGINNING IN 1921 TO THE END IN 1929. OVER 60 ILLUSTRATIONS INCLUDING PICTURES OF EARLYFEDERAL R.F. 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.

