

VOL 52  
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No.  
**1**

The  
Indiana  
Historical  
Radio Society

**BULLETIN**



IN THIS ISSUE:



PHILCO COILS



ARVIN 9595



YESTERDAY'S PAPERS



INDY MEET PIX

The Bulletin  
A publication of the Indiana Historical Radio Society  
Fifty-two years of documenting early radio

# The Indiana Historical Radio Society



The INDIANA HISTORICAL RADIO SOCIETY is a non-profit organization founded in 1971. Annual membership dues of \$15.00 includes the quarterly IHRS BULLETIN. Radioads are free to all members.

Please include an SASE when ordering information. Send applications for memberships to Treasurer Don Yost.

## OFFICERS

### President

Alex Whitaker  
5233 Chelsea Rd  
Indianapolis, IN 46241  
317.787.2854  
alwhitaker66@gmail.com

Activities, Business  
Administration & Publicity

### Vice President

Michael Feldt  
12035 Somerset Way East  
Carmel, IN 46033  
317.844.0635  
feldtm@msn.com

Sites and Dates of Meets

### Treasurer

Don Yost  
3814 E 400N  
Windfall, IN 46076  
317.443.7241  
dearsir@netscape.com

Dues, Financial and Address  
Change Please notify  
Immediately of address changes

### Editor

Bill Morris  
3545 Rock Maple Dr  
Indianapolis, IN 46235  
317.895.1334  
batterymaker@gmail.com

News Articles, Radioads,  
Photos for Publication

### Historian Emeritus

Dr. Ed Taylor

Indiana Historical Radio Society  
Historical Documentation

**DEADLINE FOR BULLETIN SUBMISSIONS: 2/15, 5/15, 8/15 AND 11/15**

Visit our website at: [www.indianahistoricalradio.org](http://www.indianahistoricalradio.org)

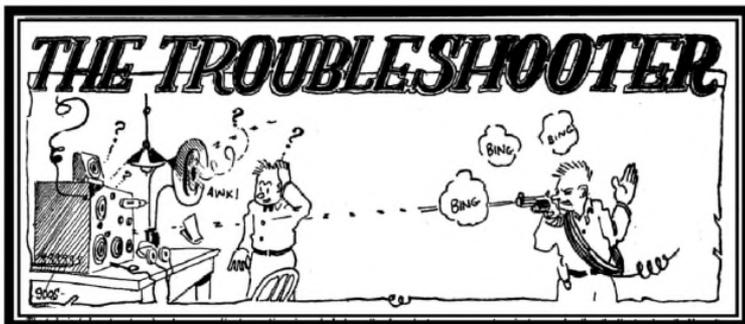
# THE BULLETIN

Vol 52 ♦ No. 1 ♦ Spring 2023



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Hello again to the membership of the IHRS. I think this is the shortest amount of time that has passed between Presidential messages for the "Bulletin" that I can remember. The reason is that our spring meeting is just around the corner--on Saturday, May 13. It'll be at Heritage Hall, on the Johnson County Fairgrounds, in Franklin, Indiana. This is where we met in early June of last year. The Johnson County Fairgrounds were unaffected by the April 1 tornadoes that passed through Whiteland and Franklin.

In addition to the spacious interior, we will also have the grounds around the building, which adds up to a lot of meeting room. May 13 is also the date of the antique flea market at the fairgrounds. We are hoping for a lot of walkthrough and overflow traffic from the antique show. This should make sales more brisk for our vendors than usual.

All of your IHRS officers felt that the Winter Meet went pretty well, but attendance was still not what we wanted. While there were a lot more people than last year, it was still fairly small. This was a big topic of discussion when the IHRS officers met at Culver's in Beech Grove. We all concurred that part of the issue was a lack of good publicity for the show. Bill Morris had published the meeting flyer on some of the Facebook antique radio pages, but our regular listings on Craigslist and Facebook Marketplace didn't happen. I believe this situation has been rectified for the upcoming May get-together. I posted the May meet flyer to every antique radio group on Facebook--also to the Antique Radio Forum, the E.H. Scott Web Ring, as well as Craigslist and Facebook Marketplace. Around April 13, one month from Heritage Hall, I will post the flyer again, as well as giving it "bumps" on the Antique Radio Forum and Scott page (this moves the post up to the top of the list). Hopefully, this will give us a boost for attendance.

Any club member is welcome to attend the officer meetings. The IHRS has gradually transitioned from business meetings at the end of the Fall, Winter and Summer shows (mandated in the IHRS Constitution and Bylaws) to officer meetings after each meet. This was because of attendance at the business meetings dropping to near zero, even at officer elections in October. If any of you would like to see us transition back to a public discussion of IHRS business, we can certainly do that. I, for one, would enjoy it, as it was always good to hear member feedback. This is YOUR club, and we need more input from you.

We have retrieved long-time IHRS Historian Ed Taylor's scrapbook through the graciousness of Jack Christy, owner of Christy Auctions in Southport. For some reason, it didn't get transferred to Don Yost when he took over from Ed, and almost got auctioned off with Doc Taylor's radio stuff. Bob Pote spotted it, and after some back and forth from Bill Morris and myself, the Christys cancelled the auction for the material and gave it back to us, as this was club property. The IHRS offers our sincere thanks to Jack Christy and his son, Jack Jr, for giving us back this priceless artifact. Your "Bulletin" editor will be using this scrapbook material in upcoming issues to show where we've come from. There were pictures in there that I had never seen before in my 35 years as a member. It was neat to see the "old guys" as young guys in the many pictures and articles from the scrapbook.

Well, that's all for now. I'm looking forward to seeing you all in Franklin, on May 13<sup>th</sup>. Here's hoping that it is, as Ed Sullivan used to say, "a really big show."

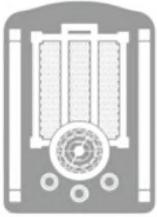
# Notes From The President's Desk

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by Alex Whitaker



# DON'T MISS IT!



INDIANA HISTORICAL RADIO SOCIETY

## Spring meet '23

### MAY 13, 2023

Johnson County Fairgrounds  
Heritage Hall  
Franklin, Indiana

The Johnson County Fairgrounds is northwest of the US31 and SR144 intersection, Franklin, IN. (250 Fairgrounds Street)  
The IHRs Spring Meet is a Swap N Sell indoor meet. The doors of Heritage Hall will open at 7:00 AM for setup and Swap N Sell.

#### CONTEST CATEGORIES:

*\*UGLY RADIOS*

*\*AM/FM TUBE RADIOS*

*\*INDIANA MADE RADIOS*



## FREE ADMISSION

SWAP MEET TABLE RENTAL:

IHRs members, \$10.00

Non IHRs members, \$15.00



# RESTORATION Corner



I had a Philco 80 Jr cathedral that I decided to restore. It a fairly decent cabinet that had the usual amount of scratches. Instead of using a scratch cover like Old English, I used a stain that matched the cabinet color. I wiped it down with the stain and immediately wiped it off. The stain goes in the scratches and stays there, whereas Old English doesn't last.



The radio needed the usual capacitor changeover. Some complain about the little black bakelite blocks Philco hid their capacitors in, but I like them. I made a roadmap where all the wires go and I took a picture of the chassis. The block is then removed. Some put the blocks in an oven to melt the wax out, but I prefer digging it out—less smell. New capacitors were then inserted into the cavity and the blocks reinstalled. What I like is it maintains an original look under the chassis and avoids a cluttered look with new capacitors tacked in somewhere under the chassis.

All the tubes were checked and were good. Now to plug it in and see what happens. I switched it on, the pilot light lit and all the tubes lit. So far, no blown fuses, no transformer smell and no need for a fire extinguisher—but no sound either.



Oh, Those Pesky  
Philco Oscillator Coils  
by Ed Dupart



I determined the audio and IF stages worked using a signal generator. With that, I concluded, "Uh Oh, bad oscillator coil," and I was right.

It measured open with an ohmmeter. The radio is only half-dead. I don't know which is better, half-dead or half-alive. As some of my students have said, "It doesn't talk!"

Now to digress and talk about Philco oscillator coils. The failure of feedback coil's connection to the cathode of the oscillator coil's converter stage is a common problem for 1930's Philcos. Theories abound about why this happens, but the one I agree with is that the insulation reacts with the copper wire and oxidizes it, basically rusting the copper wire until it opens up. All one has to do is rewind the coil, but there are two critical things that must be done for this to be successful:



\* The same size wire must be used or wound with something extremely close to the original size.

\* The coil must be wound in the same direction, or it will not work.

If both are done correctly the radio should work.

I first encountered this problem back in 1961. A friend's grandma had a Philco 19 with a shadow meter. I was absolutely fascinated with it, but the radio was dead and she wanted it fixed. It had the same open oscillator feedback winding in the coil. As the radio was built around 1933, the radio was about 28 years old in 1961; not that old by today's standards. I haven't been able to determine it yet, but I imagine those coils opened up when they were a lot newer. At that time I had a lot of #22 telephone wire, courtesy of the telephone people who would leave me their scraps, and that made the radio work really weird and I can't describe it, just weird. Other sizes just didn't work right and so I had to go out and get the right gauge wire and that fixed it. It wouldn't surprise me if that radio were still in the family.

Since this article is about a Philco Jr, a few words should be mentioned about the unusual circuitry used to get this radio to perform as well as it does. This is only a four-tube radio, but when it is adjusted properly it will perform about as well as a five-tube set. The secret lies in the second stage; it functions as an IF amplifier, a regenerative detector and an audio amplifier. There is a variable capacitor that sets the regeneration. Too much coupling will cause it to squeal and oscillate, too little coupling will cause it to only pick up local strong stations. I adjust the regeneration control on a strong station initially and adjust it for maximum volume without squealing. Then I tune in a weak station and adjust it for maximum volume without squealing. Then I tune across the entire dial to make it sure it doesn't squeal or oscillate along the way. I make these adjustments with the amount of antenna that will be used and I find it amazing at how well this radio works.

Over the decades I have rewound a lot of Philco oscillator coils, so if you are work-

ing on a 1930's Philco and the IF and audio stages seems to be working, but is dead, check that pesky oscillator coil.

# Articles Needed!!

Got something you'd like to see in the bulletin? Write an article and send it in!



SEND YOUR ARTICLE AND ASSOCIATED PICTURES IN WORD FORMAT TO [BATTERYMAKER@GMAIL.COM](mailto:BATTERYMAKER@GMAIL.COM)

IT COULDN'T BE THAT BLEEDING RESISTOR. I PUT IT IN MYSELF.



# RADIO

# Activity



Check each organization's webpage for upcoming meets, etc:



Indiana Historical Radio Society  
[www.indianahistoricalradio.org](http://www.indianahistoricalradio.org)



Antique Radio Club of Illinois  
[www.antique-radios.org](http://www.antique-radios.org)



Central Ohio Antique Radio Association  
[www.coara.org](http://www.coara.org)



Mid-South Antique Radio Collectors  
Available on Facebook



Antique Wireless Association  
[www.antiquewireless.org](http://www.antiquewireless.org)



Cincinnati Antique Radio Society  
[www.cincinnati-antique-radio.org](http://www.cincinnati-antique-radio.org)



Michigan Antique Radio Club  
[www.michiganantiqueradio.org](http://www.michiganantiqueradio.org)



Mid Atlantic Antique Radio Club  
[www.maarc.org](http://www.maarc.org)



# TRANSISTOR RADIO *Corner*



I've been looking for one of these 1959 Arvin sets for a while now. Never had seen one in person before and friend in an on-line radio group had just sent me this all-original "parts set" to play with. I was amazed on how good it looked even with its faults. The "atomic scatter pattern" grille was in very good shape as were the tuning knobs (other than minor scratching & scuffing on outside). There was a 2" long chip on the left side of cover where it mated to front, and the radio had been taped together due to a missing cover screw. The right-side antenna support was broken and I was thankful that the other held it in place during shipping. The batteries had leaked badly at some point, but the contacts and beryllium-copper springs were still in good condition.

on top and sides was the easiest to remove, but the masking tape on bottom which wrapped around over the letter "I" in "TRANSISTOR" had me worried. Very carefully scraped most off with my thumbnail avoiding contact with the silver "I". Then with extreme care, cleaned remainder of residue off with Q-Tip moistened with isopropyl alcohol---again avoiding any contact with the graphic. Fortunately, all turned out well! There also was an area of tape adhesive residue on the grille material---very carefully removed majority of it by using new masking tape to "tack" it off (repeatedly applying small piece, then quickly pulling it back). Used a Q-tip lightly moistened with Goo-Gone to carefully remove



Spent a few hours carefully removing all the tape and its residue. The Scotch tape



## The Arvin 9595

by John Raskauskas

the remainder. One big task thankfully completed without trouble!

Completely disassembled and detail-cleaned cosmetic parts in sink using soft toothbrush and dilute cold solution of Blue-Coral car washing liquid. Was extra careful with the grille material. All cleaned up well and only need now to polish



Started the process of wet-sanding (2000-grit) and polishing plastics as needed. The outer tuning knob had a couple deep scratches and scrapes. There were a couple small areas that were too deep to remove.



Applied power and heard that "sizzle" sound as if it was working, but it received no stations---just noise where a couple strong locals were on the dial.

Replaced the electrolytic caps late last night---the dual 80 uF can had physically leaked onto surface of the PCB. Was running out of some cap values in my "stock" and didn't want to wait, so used two 220 uF in place of the dual 80. The radio seemed to work well afterward. Also did a bit of cleaning of PCB components. Noted the set needed full alignment as tweaking of the IFT's did make a difference.

Found a black pan-head screw of proper size for cabinet back mounting and a nylon cable clamp to replace one of the broken antenna-rod supports in parts stash.

While tweaking the IFT's, noticed that one of the cores was very tight and I didn't want to damage the slot. Slowly and carefully removed it and cleaned excess wax out of threads. Turns smooth and easy now---ready for final, precise alignment.

Was considering bypassing the earphone jack due to corrosion caused by battery leakage, but since connections weren't affected and it still worked, decided to clean it and then "treat" switching contact with DeOxit Gold liquid. Used the tiny amount left on hatpin used as applicator for the tuning cap rotor ground contact.



Even after cleaning battery contacts with Scotchbrite and soapy water, there was a very tough residual film on the beryllium-copper surfaces from the leakage. Tried several times to remove contact assemblies so I could clean them outside of cabinet but they would not budge so gave up. Had to aggressively scrape the "film" off with tip of small screwdriver, then again "polish" with tiny piece of Scotchbrite clamped in hemostats using Windex. One of the springs had been corroded enough that it had a weak spot and the end broke off during the "rougher" clean-

ing, so carefully stretched it out and cleaned the "new" contact area in same manner. After thoroughly cleaning compartment again with dish-soap solution and toothbrush and rinsing, blew it dry with compressed air. Reinstalled batteries and checked voltage---now had stable power with no variations when batteries moved.

Has quickly become one of my favorites!

30



Decided this morning to perform the final alignment---all went well. Performance very good but not great, probably about average for an American made, decent quality set of that time. Vernier drive on tuning cap a bit "rubbery", so when you stop tuning there seems to be a tiny bit of "overshoot" and you have to carefully turn knob slightly each direction until zeroed in on signal. And even though selectivity isn't the greatest with a strong adjacent station, tuning is fairly sharp and you have to be right on frequency for good sound. The audio is great for a set this size and this set's negative-feedback gives it a unique sound that is hard to describe. When someone is speaking or music playing, there is very little background noise and you can actually hear background musical instruments crystal-clear on some songs and it sounds as though they are in the room outside of the radio. Neat set to listen to.



# The "Old Man" Says:

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"If you haven't already, now's a great time to renew your IHRS membership."

## Annual Membership \$15

Send your payment written to the **INDIANA HISTORICAL RADIO SOCIETY** to:

Don Yost c/o IHRS  
3814 E 400 N  
Windfall, IN 46076

Include your current mail address and email address (if applicable)



LONDON!—PARIS!—BERLIN! This dial enables you to tune them easily—quickly. No puzzling array of figures—a child can tune it



Turn the selector switch... individual semaphores for each wave band appear automatically

*Good news...*



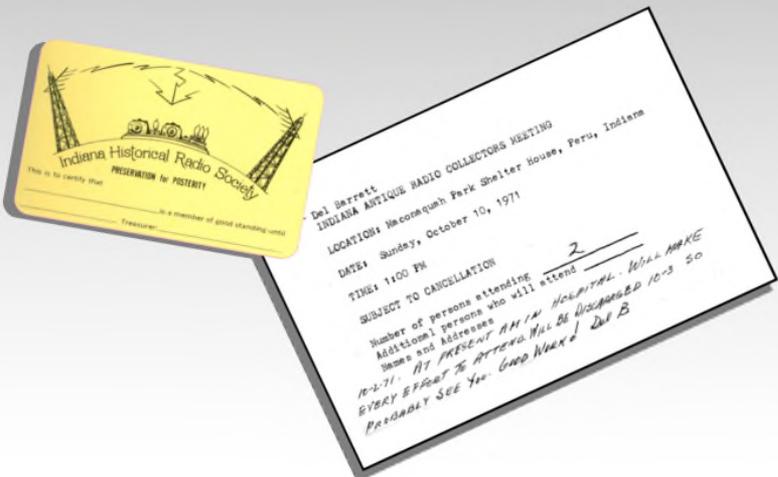
# YESTERDAY'S PAPERS

COVERING PAST MAGAZINE AND NEWSPAPER ARTICLES

This new column has been created to draw upon material published from obscure newspaper and magazine articles from the 1920s forward. It will focus on vintage sets, historical events, news and other details involving radio's earlier days.

For this inaugural edition of Yesterday's Papers, we draw upon the scrapbook kept by the late Dr Ed Taylor, Historian Emeritus. Its contents detail the history of the IHRS, from its inception to the mid 1970s. And from this, we present the beginnings of the organization.

## OCTOBER 1971



PROPOSED FIRST MEETING OF THE INDIANA ASSOCIATION OF ANTIQUE RADIO COLLECTORS

**PURPOSES:** To bring the Indiana Antique Radio Collectors together.  
To discuss the possibilities of a State Antique Radio Collectors Association.  
To provide a meeting place to swap radios, ideas, and experiences.

**LOCATION:** Macomaquah Park Shelter House (Look for signs), Peru, Indiana

**DATE:** Sunday, October 10, 1971

**TIME:** 1:00 PM

Wives welcome ----- Bring a covered dish and table service and beverage.

Meat, bread and butter furnished.

Bring radio equipment for swapping.

If you know of a radio collector in Indiana that I have omitted please pass this information on to him. If this person and wife can come please include his name and address on your postcard.

PLEASE RETURN THE ENCLOSED POSTCARD AS SOON AS POSSIBLE.

YOU WILL BE CONTACTED IF MEETING IS CANCELLED FOR ANY REASON.

Gary A. Vierk	Lafayette	Stan Johnson	Ft Wayne
Glen Rogers	Lafayette	Walter Kuntz	Ft Wayne
Marshall Hovenstien	Lafayette	Gary Kuntz	Ft Wayne
Ron Zammit	Lafayette	Ross Smith	Elkhart
Del Barrett	Ft Wayne	Serge Krauss	Elkhart
Joe Dursy	Ft Wayne	Don Johns	Kokomo
Warren Johnson	Ft Wayne	E. M. Taylor	Indianapolis

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# The Proposal

This organizational announcement was sent to the fourteen original members to gather for the club's first meeting on October 10, 1971. It also was an invitation for fellow collectors to participate as well.

A postcard was included for the members to reply back and state how many were to attend.

Note the early name for the club,  
"Indiana Association of Antique Radio Collectors"

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# The Founders



Image of thirteen of the IHRS Founding Members at the first gathering, October 10, 1971. Below is the listing of each member from the first page of Dr. Taylor's scrapbook.

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## Founders of the Society

Serge Krauss  
Elkhart  
John Noble  
Indianapolis  
Ed Taylor  
Indianapolis  
James Fred  
Cutler  
  
James W. Thomas  
Kokomo  
Don K. Johnson  
Kokomo



Joe Duray  
Ft. Wayne  
Gary A. Vierh  
Lafayette  
  
Julian J. Stark  
Ft. Wayne  
Warren R. Johnson  
Ft. Wayne  
  
Ross Smith  
Elkhart  
Del Barrett  
Ft. Wayne

First meeting held at YMCA  
Sunday, Oct. 10, 1971  
Peru, Ind.

Picture taken by Marshall Howenstein

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2505 Kickapoo Drive  
Lafayette, Ind. 47905  
October 25, 1971

DEAR

The next meeting of the INDIANA HISTORICAL RADIO ASSOCIATION will be on Sunday, November 14th at 1:30 PM. It will be in the YMCA at Peru, Indiana. There will be no meal because of our schedule. Coffee will be served.

This will be an important meeting as we have a lot to accomplish. We will be working on the Constitution and we shall have an Election of officers.

I am enclosing a copy of the Constitution Format so that you might study it and have ideas in mind for the next meeting. The important thing to keep in mind is that we keep this flexible and simple.

I am sending this letter and Constitution Format to the thirteen people who were present at the first meeting and who initiated the organization.

I am sending letters to perspective members that I have addresses for. If you know of a person who is interested please send his name and address or have him contact me in order to receive an invitation to this meeting.

Following the meeting there will be a swap session. I would like to encourage everyone to bring radio equipment, literature, etc., for swapping, selling, and for display. This is what we are here for. So that everyone can participate in this activity lets say that no swapping or transactions can take place until after the organization meeting.

Everyone planning to attend please let me know as soon as possible.

Sincerely yours,

Gary A. Vierk

---

# The Second Meeting

President Vierk sent this letter announcing the second IHRS meeting for November 14th.

APPLICATION FOR MEMBERSHIP

INDIANA HISTORICAL RADIO SOCIETY

NAME \_\_\_\_\_ Street, Box, RR \_\_\_\_\_

City \_\_\_\_\_ State\* \_\_\_\_\_ Zip \_\_\_\_\_

\*NOTE: Indiana residents desiring to attend meetings regularly may apply for Active Membership. There will be a minimum of four regular meetings per calendar year. Attendance is required of active members.

Check one: Active Membership \_\_\_\_\_ Associate Membership \_\_\_\_\_

Out-of-state residents: A.W.A. membership is a prerequisite for applicants. Associate Membership will be granted upon acceptance.

Application recommended by \_\_\_\_\_ (I.H.R.S. member)

Are you a member of A.W.A. ? \_\_\_\_\_ Other radio clubs ? \_\_\_\_\_

INTEREST AREAS

ACTIVITY INTERESTS

\_\_\_\_ Early Wireless

\_\_\_\_ Committee assignments

\_\_\_\_ Early Broadcasting

\_\_\_\_ Program assignments

\_\_\_\_ Early Tubes

\_\_\_\_ Host a meeting

\_\_\_\_ Collecting/Restoring Radios and Equipment

\_\_\_\_ Museum work

\_\_\_\_ Collecting/Restoring Wireless Gear

\_\_\_\_ Hobby shows

\_\_\_\_ Literature and Photographs

\_\_\_\_ Publicity

\_\_\_\_ Amateur Radio: present call \_\_\_\_\_ Former calls \_\_\_\_\_

Are (were) you employed or affiliated with the Radio Industry? \_\_\_\_\_

Company names \_\_\_\_\_

\*\*\*\*\*

Current dues are \$5.00 per year and are prorated quarterly for new members. Please enclose a check or M.O. for current dues, according to the schedule below, along with your application. Make check payable to: Treasurer, Indiana Historical Radio Society and mail to:

Dues Schedule \_\_\_\_\_, Treas. I.H.R.S.

January thru March \$5.00

April thru June 3.75

July thru September 2.50

Oct. thru Dec. 31 1.25

\_\_\_\_\_ Zip \_\_\_\_\_

Application accepted \_\_\_\_\_ Date \_\_\_\_\_ (For office use)

---

**The First Application Form**  
Note the pricing.



**GARY A. VIERK**  
President  
2505 Kickapoo Dr.  
Lafayette, Ind.

**ROSS SMITH**  
Vice-President  
1133 Strong Ave.  
Elkhart, Ind.

**JAMES A. FRED**  
Secretary  
R 1, Box 28  
Culter, Ind.

**E. E. TAYLOR**  
Treasurer  
245 N. Oakland Ave.  
Indianapolis, Ind.

**MARSHALL HOWENSTEIN**  
Historian  
807 Elm Dr.  
W. Lafayette, Ind.

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# The First Letterhead

Sporting one of the first appearances of the original IHRS logo.

# 2023 WINTER MEET

Held at the  
La Quinta Inn,  
March 11 in  
Indianapolis



# TUBE RADIOS



## WINTER MEET CONTEST

Categories were  
tube and transistor  
radios



**Bill Morris**  
1950 Science & Mechanics  
Super Power Midget



**Steve Sliger**  
1951 GE 530 Clock Radio  
Replica of One Millionth  
Clock Radio Made



**Steve Ewbank**  
1946 RCA 65AU  
Radio Phonograph



**Ed Dupart**  
Philco Transitone

# TRANSISTOR RADIOS



**Ed Dupart**  
1950s Raytheon  
Transistor Display



**Steve Sliger**  
1970s Soviet Mayak M  
Portable Radio



**Bill Morris**  
Transparent Homebrew  
Transistor Radios



Wanted: Case Model 601 (Imperial) chassis or radio. See picture.

Joe Koester,  
1020 Huron Drive  
Crossville, TN 38572,

931-200-0243, [jwkoest@charter.net](mailto:jwkoest@charter.net)



Wanted: Junk early Raytheon 8TP transistor radio chassis



Arvin 60R38 to refurbish for collection.



Wanted: Maroon tuning knob and inner transparent dial for a Royal 500B.

Pls contact John Raskauskas at 317 846 4160 or email at [xrhonda91@gmail.com](mailto:xrhonda91@gmail.com)



Wanted: Junk RCA 54B series personal radios as shown below, junkier the better. Also looking for old homebrew portable radios.

Contact Bill Morris at [batterymaker@gmail.com](mailto:batterymaker@gmail.com)

1923 ERLA battery set, restored. Can be used either on AC or battery. Also has a cathedral shaped speaker. Contact Wilber Haggerty at 765-667-9598 or email at [haggertyw@hotmail.com](mailto:haggertyw@hotmail.com)

I have been a member of IHRS for many years and used to attend all meets throughout the years. I have items that I would like to sell :

Rider Chanalyst Radio Test Set (Excellent condition)

Atwater Kent Model 10 A (?) Breadboard (Needs work)

Neutrowound 1926 Model Super Six (Rusty and needs work)

I have available three tube caddies full of tubes that I wish to sell.

I will have other items available later.

Richard Donley

630 S Heritage Dr

Ellettsville, IN 47429

(812) 322-5537 (Cell)



# ARVIN

*Smart Styles in Radio*



A complete line of distinctive radios—beautiful console and bookcase models—striking chairside and table radios—AC-DC portables—2 and 6-volt battery models with both the performance and styling that will make sales for you.

(THIS SUPERSEDES ARVIN CATALOG ISSUED MAY 1, 1937)

WITH THE  
*Phantom Filter  
Circuit*

