

VOL 52
SUMMER
2023
No.
2

The Indiana Historical Radio Society

BULLETIN



HOLE IN ONE

RCA PROTO

YESTERDAY'S
PAPERS

SPRING MEET PICS

IN
THIS
ISSUE:



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.

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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



IN THIS ISSUE

President’s Message.....	4
Summer Meet Info.....	5
Radio Activity.....	6
A Hole In One.....	7
1953 RCA Transistor Prototype.....	9
The Old Man Says.....	16
Spring Meet Photos.....	17
Yesterday’s Papers: The First IHRS Bulletin.....	18
IHRS RadioAds.....	26
Vintage Ads.....	27-28



Greetings to the membership of the IHRS. I hope that summer has been going well and that you had all found some “projects” to work on through the winter months.

Our upcoming summer meet is at Cool Creek Park located in Carmel on the main parking lot, next to the park offices. This meet has been a perennial favorite due to the nice location and the stuff that shows up there. There will be a contest; details described on the next page.

We had a serious problem with last year’s meeting. Cool Creek Park personnel never showed up to unlock the building. As a result, there was no coffee, no place for donuts, no place for the contest, etc. Vice President Mike Feldt has taken special pains to make sure this won’t happen again. I believe that the building will be open sometime between 7 and 8 am to accommodate our needs. Any specific questions regarding the meet should be directed to Mike. His contact information is in the “Officers” section of this issue.

Your officers are also planning another multi-club meeting in Richmond in October. Details will be forthcoming as we receive them.

Bulletin Editor Bill Morris and I attended the Society for the Preservation of Antique Radio Knowledge (SPARK) meeting at Dayton in early June. Despite SPARK not having any online presence by way of Facebook, Craigslist or even the Antique Radio Forum, the meet was well attended. It turns out that SPARK still uses the old-fashioned methods of calling their members and sending postcards to remind them of meetings. The Cincinnati Antique Radio Society (CARS) also mails notifications either by flier or postcard before their meetings.

As our Spring meet was poorly attended--and despite lots of publicity on the web--we need to try something different. So, after a several year hiatus, we are going to try the postcard route again. I think we have too many members for phone calls to be an effective method of notification.

If you have any thoughts about meeting publicity and/or how to make it better, make sure to either look one of us up at the next meeting, call, email us, even contact us on Facebook. All of the IHRS officers are available for your questions, comments, suggestions, or if you’d just like to talk about the club in general.

Feel free to contact any of us. We want to hear from you. Remember, it’s YOUR CLUB!

I’ll see you all at Cool Creek.

Notes From The President's Desk

by Alex Whitaker

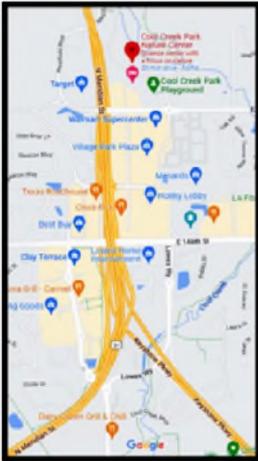


SAT. **AUGUST 19**

COOL CREEK PARK

FEATURING:

- *INDOOR AND OUTDOOR SWAP N SELL SETUP SPACE.
- *FREE GENERAL ADMISSION.
- *NO SELLER'S FEES.



CONTEST CATEGORIES:

- *YOUR FAVORITE RADIO OR RADIO-RELATED ITEM FROM ANY YEAR.
- *ANYTHING GOES VINTAGE ELECTRONIC ITEM. THIS COULD BE A HAM RECEIVER, COMPUTER, HI-FI/STEREO ITEM, TELEVISION SET, PHONOGRAPH, QUACK MACHINE, VINTAGE HANDHELD GAME TOY, WHATEVER.

Cool Creek Park is located east of US31 and north of 151st St. From US31, go east on 151st Street to a round-about. The Cool Creek Park entrance is the street north out of the round-about.

There is a Holiday Inn Express & Suites within walking distance of the swap meet.

SUMMER MEET 23



RADIO

Activity



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



Indiana Historical Radio Society
www.indianahistoricalradio.org



Antique Radio Club of Illinois
www.antique-radios.org



Central Ohio Antique Radio Association
www.coara.org



Mid-South Antique Radio Collectors
Available on Facebook



Antique Wireless Association
www.antiquewireless.org



Cincinnati Antique Radio Society
www.cincinnati-antique-radio.org



Michigan Antique Radio Club
www.michiganantiqueradio.org



Mid Atlantic Antique Radio Club
www.maarc.org



RESTORATION Corner



A friend of mine gave me a 1939 Silver-tone 6160 black Bakelite radio. The cabinet was broken into two pieces. It also had a hole in the corner. So...how do you fix a radio with a hole in one corner?

I started off by scrubbing the cabinet with 409. It cleaned off years of cigarette and goeey film. One thing I have discovered recently is that 409 needs to be used outside as some people react to the fumes--it is strong stuff.



The next step was to super glue the pieces back in place and make sure they were properly aligned. After that I put quick-set JB Weld underneath and along the cracks. I let it set for a couple of hours and allowed the JB Weld to fully cure. I created a valley along the cracks on top of the cabinet with a Dremel tool's pointed grinding bit.

The hole needed a backing and I used Duck Tape for this. I cut out a piece for the bottom and with scissors I cut the curve in the tape to match the curve in the radio cabinet. Then I cut out a piece of tape and placed it behind the hole and made it match the curve of the radio. I mixed up enough JB Weld and I used a popsicle stick to level it out.

After it cured, I used an orbital sander and sanded the flat sides of the filled hole. Then I used a rasp type file and sandpaper for the rounded front edge. At that point it looked pretty good. I then filled the valleys with JB Weld and sanded them down using 220 wet/dry sandpaper with the orbital sander.

The cabinet was now ready for primer. I used an automotive filler primer that fills scratches and small voids. I put a tack coat on first and let it dry. Then I sprayed a heavy coat on, doing my best to avoid runs.



A "Hole In One" by Ed Dupart

The primer needed to set for a couple of hours before I started wet sanding. I used 220-wet/dry sandpaper for the initial sanding and then switched to 400, which makes it nice and smooth.

As with the primer, I put a tack coat on of the final finish-- cheap black enamel from Wal Mart. It goes on well and looks good. After the tack coat is dry, I put on heavier coats of the black paint. On some cabinets I put lacquer over the enamel, as it protects the enamel from aggressive substances like WD-40 and other such products.

A good section of this cabinet was not damaged and since it was black Bakelite I taped it off and left it original. The Bakelite was not very shiny, so the black enamel matched the shine of the Bakelite and so it blended in pretty well. All my friend has to do is find knobs for it.



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





The 1953 RCA

Transistor
Radio
Prototype

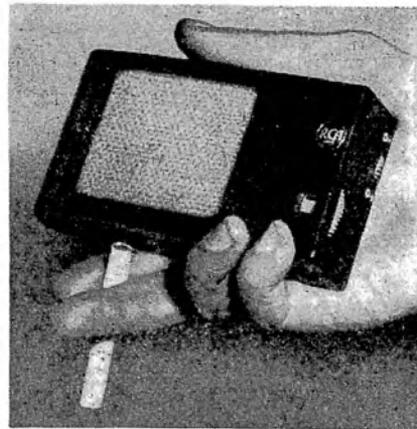
by John Raskauskas

I've been fascinated by this RCA 1953 -vintage prototype ever since I learned of its existence several years ago and I've gathered a few bits of info on-line about it. I never would have dreamed that not only I'd be able to examine and photograph it in person one day, but to also actually have it in my possession for a while and be able to "play" with it! Most amazingly, the previous owner lives only a few minutes from me very near where I used to work.

At our last IHRS radio club meet, I discovered that a local gentleman had contacted the club after finding our website. He'd been given an old RCA radio many years ago and was wondering about its historic and monetary value. During a discussion between other members about this contact, I overheard the word, "transistors" and became interested. Our bulletin editor Bill Morris showed me the pictures he'd received and noticed that it was the 1953 prototype. I was VERY amazed and excited that one actually



Debut of the World's Smallest Radio Fails to Excite Phlegmatic Times Sq.



Radio, equivalent in size to two packs of cigarettes, that was tried out yesterday in pocket of Times Square pedestrian.

Strollers Take a Pocket-Receiver Broadcast in Stride—6-Volt Transistor Set Needs No 'B' Batteries, No Vacuum Tubes

By JACK GOULD

The world's smallest regular radio—small enough to fit in the palm of the hand—was demonstrated yesterday afternoon in Times Square. The populace took the coming of the "Dick Tracy Age" with disconcerting calmness.

Walking along the street with a radio blaring full blast from an inside pocket may mark the final death knell of the rugged individualist; now he, too, can be wired for sound—and for commercials. At least it seemed so yesterday.

The six-volt radio set is an experimental model made by the Radio Corporation of America. It probably will not be in commercial production for at least a couple of years, which means that the national sanity still has a little time to go.

The set weighs one pound and is about the size of two packages of cigarettes laid side by side. The receiver measures 5¼ inches long, 2½ inches wide and 1½ inches deep. It employs the new transistors, which do the work of vacuum tubes at a fraction of the power. The receiving circuit is a standard superhetrodyne and covers everything on the dial from WMCA to WQXR.

Fits Into Breast Pocket

Yesterday afternoon the receiver with its built-in antenna was slipped into the breast pocket of a man's coat jacket. The receiver was completely hidden by a trench coat. Unsuspecting passers-by merely knew that the chatter of disk jockeys and commentators came from within the wireless wanderer.

Three young ladies out for a stroll on West Forty-third Street turned their heads in amazement as the gentleman walked by, giving forth the tune, "Ebb Tide." It was probably the first time the cry of sea gulls had come out of a trench coat. The women looked again and again. They giggled.

A policeman at Forty-third

Street and the Avenue of the Americas turned, looked casually in the direction of the sound's origin and then turned away. One male pedestrian trailed the receiver for several steps, looked searchingly to see where it was and then turned away. A salesman in a candy store, hearing news bulletins come from a customer who had asked for peppermints, said: "Hey, you've got something there."

The heart of the miniature radio is in the transistors, which can amplify, detect and generate signals just as tubes do, but require only a few volts from a small mercury cell or pencil flashlight batteries.

Cells Good for 88 Hours

The transistor makes unnecessary the bulky "B" battery common to present portable receivers. With four mercury cells, the set shown yesterday would run fifty hours, giving ample volume for listening in a good-sized room.

The transistors are smaller than a grain of wheat, but at this stage in their development they are expensive. The eight transistors in the demonstration set would probably cost \$80. The other parts, including a 2-by-3-inch speaker, are standard. With ultimate mass production, the cost of transistors may drop to a comparatively few cents.

The vest-pocket radio is highly directional in its receiving capabilities. Tall buildings with steel framework can blot out a signal. Sometimes moving a few steps—or going near a window—will make a big difference in audibility.

The set seems to work satisfactorily in a taxicab, but subway riders may be cheered to hear that the device is not expected to work well below the earth's surface. If the New York City Transit Authority can guarantee the fare's only refuge from pitchmen and giveaways, the 15-cent fare on the subway may prove quite a bargain.

existed and it wasn't too far away. Bill mentioned that he'd like to interview the guy some day and I asked Bill to please forward the pictures to me for my folder. Unfortunately, all I received was the gentleman's original e-mail message without images.

I decided to contact owner myself and ask for pictures and ended up in conversation. He said that I could examine it in person and as well as take photographs of it. He gave me a time to stop by and I had a good visit along with further discussion of the set. He also decided he wanted to sell it. He told me the interesting story about how he acquired the radio and I began to research more deeply for further info about it which I shared with him.

He was interested in accounting (like his father) and started at RCA in 1965 at the age of 20. The only job available at the time was in the Engineering department, so he took it. His boss's boss was Earl I. Anderson, an engineer that had been with RCA since 1937 and was now a Vice President at the Indianapolis operation. Typically, they used a messenger to deliver items to Mr. Anderson, but one day they sent HIM—Mr. Anderson requested the new hire directly. He said that he and Mr. Anderson chatted for awhile, handing him the radio which was displayed on a shelf in his office to examine. Mr. Anderson told him to keep the historic radio as a memento.

And it's been in his possession ever since.

I found some very interesting info about this prototype on-line: A newspaper clipping about a demonstration in NYC, a press photo with accompanying article on Ebay, an RCA Laboratories publication which contains the entire technical "paper" for the radio, an article on the Semiconductor Museum site (link here:

http://www.semiconductormuseum.com/Transistors/RCA/OralHistories/Stanley/Stanley_Index.htm), and some info on Earl I. Anderson including his obituary. All are presented here in the bulletin along with many of the pictures I've taken.

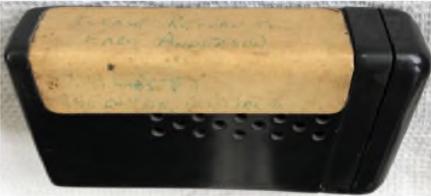


EARL I. ANDERSON

of Delray Beach, Florida, passed away June 21, 1989. He was born in Chicago, Illinois, and first came to Florida in 1944; prior to 1969 had lived in many of the U.S. major cities. His career with RCA started with the pioneering of TV Receivers before there was a TV Service. Then came FM and color TV. He was Chief Engineer of RCA Communications and then Chief Engineer RCA Television and then became Vice President, World Wide Operations for the RCA Television Division. Mr. Anderson had 35 patents. During World War II, he designed the transmitter used by our spies. He was the first to make Doppler Radar work. He designed Shoran - the most accurate bombing device the Air Force had. Later it was used for surveying.

He is survived by: wife, Evelyn and two sisters-in-law, nieces and nephew.

Memorial service will be held at SCOBEE-IRELAND-POTTER FUNERAL HOME, Delray Beach, Monday, June 26 at 2:00 p.m. with Rev. Ralph A. Phipps of Trinity Lutheran Church, Delray Beach, officiating. Contributions in his memory may be made to Shriners Hospital for Crippled Children, c/o Murat Temple, 510 New Jersey St., Indianapolis, Indiana 46204.



I wonder if this was actually the very set used for the reported public demonstration in NYC in 1953? It has an old, faded label on it stating "Please Return to Earl Anderson (who became the VP who gave it to current owner), RCA Labs 155 E. 24th St., New York 10, NY

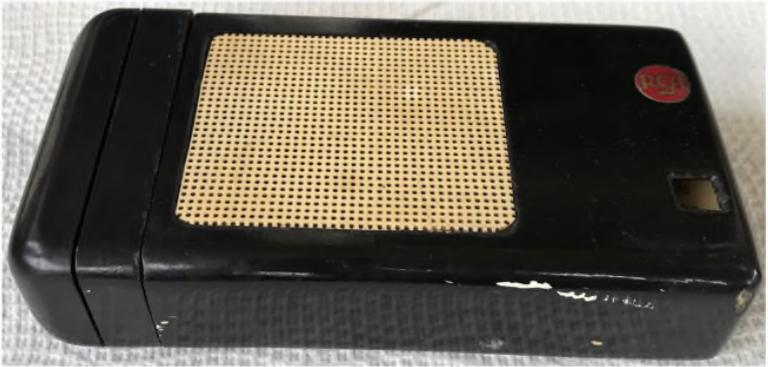


There were four very old mercury cells left inside battery compartment. Over the years, they had leaked and left quite a bit of dry, powdery residue within. With the owner's permission, I very carefully removed the loose powder and debris with water-dampened pieces of paper towel. Notice in one of the pictures that two of the battery cells weren't even installed correctly, basically each pair was connected - to - in series which wouldn't have done anything, so radio couldn't have worked since that time. And the cells appear to have been from a larger battery as I could see where the original connecting "straps" had been ground or filed off. Curious if someone could "decipher" a date code in picture of the cell bottom to see when this might have been done?



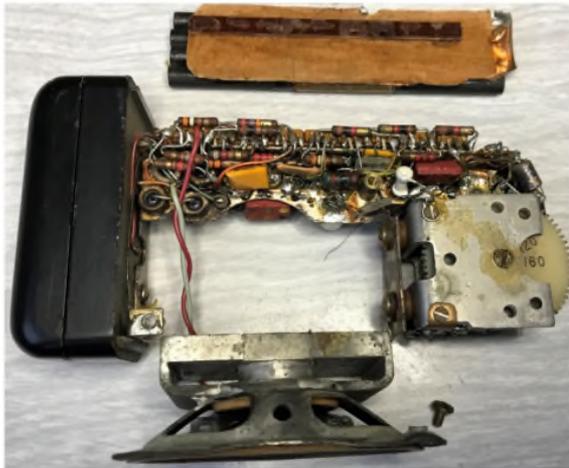
One of the audio transistors had been replaced at a later date with a (1954 date code) 2N35.

Radio history would have been completely different if RCA had put this set into production before Regency. From what little I could find on-line, it would have



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been the very first pocket-size, "high-performance" super-het transistor radio in the world. However, I imagine prohibitive costs killed it. For those who read the detailed engineering paper contained in PDF linked below, it appears that RCA designed this prototype to be a top-notch performer--unlike the TR-1 which was intended to meet a "price-point"...

After looking more closely at the engineering paper pictures, I noticed that the left side battery holder was much different and looked more "refined" than this set and held the four mercury cells in a stacked formation instead of in individual "cavities". It also had a cloth grille instead of perforated metal and different volume control graphics as shown in the press photos.

I was the intermediary for the sale of this special radio. The buyer is allowing me to keep it in my possession until he is in the area to pick it up in person. He also gave permission to remove the crusty batteries, clean the compartment (which I did) as well as to carefully attempt to get it working without disturbing originality. I temporarily attached external electrolytics with micro-clip leads and planned to reattach the broken antenna wires found during examination if it showed sign of life. I was very excited about this prospect as it would have been fantastic to hear it play! I even thought of even downloading the songs mentioned in news articles and playing them through a transmitter as well as making my first YouTube video.

I examined the schematic carefully to verify power connections since the switch contacts were oxidized and non functional, cleaned the contacts and attached a "split" 6 Volt battery supply. The only response was a slight, constant audio hiss at all volume levels. No change either with injected audio at the volume control or directly to the audio transistor bases and no IF-amp response through a signal generator. The "quad ferrite-rod" antenna wires were already broken and so fragile that I didn't attempt to reconnect them since the radio was not working

"upstream". I stopped any other troubleshooting since the set was not mine and I wanted to avoid further risk.

But I just had to look at it one more time... Applied power and measured voltages, then very carefully I unplugged and tested each transistor. All but two of the audio transistors were bad; two had extremely low gain and four weren't even recognized by tester. Also noticed that one socket was wired for base in center with both end pairs of the five pin sub-mini tube socket shorted together, so the staggered pin transistor wasn't even functional. Saw in the engineering article picture that the first transistor was in the first of the nine sockets leaving the second (with the shorted terminals) empty. Did the engineers do some casual parts-swapping with this set to get another working and didn't pay attention?

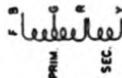
Very disappointed that this historic gem couldn't "sing for the show", but thankful I had the privilege to see, photograph and play with it a bit and share the experience here, on ARF: <https://antiqueradios.com/forums/viewtopic.php?f=4&t=427126> and Facebook groups I frequent.



Two of the pictures show it alongside the relatively common Regency TR-1 which came on the market around a year later; very close in size! And one image is the schematic extracted from the earlier linked PDF (notice that there is no biasing on the experimental RF/IF transistors and no audio transformers).

I highly recommend reading the RCA Labs technical paper for this radio published a couple years after its development. It covers pages 477-496 of the

UNIT	SEC.	PRIM.	C	B
T1	1T	0T	5T	85T
T2	4T	0T	50T	100T
T3	4T	0T	44T	100T
T4	4TT	0T	44T	70T

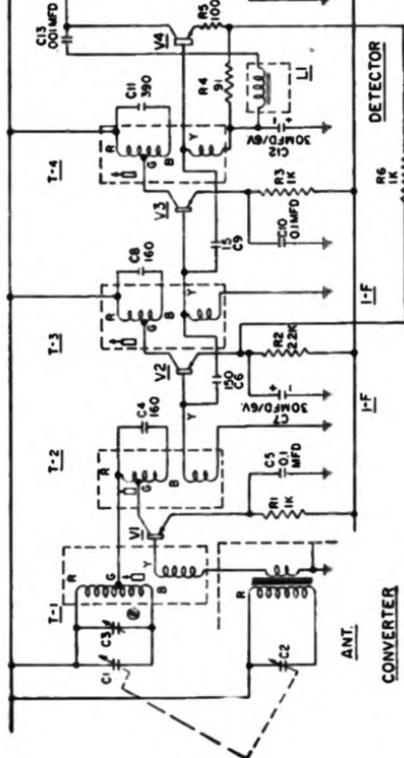


PRIM. 90T-7/41 LITZ
CLOSE WOUND SINGLE-LAYER
CENTERED ON CORE
SEC - 5T 36 FORMEX
CLOSE WOUND OVER "R" END
OF PRIMARY

ANTENNA CORE - 4" SECTIONS
CUT TO 20 & 25" FERRITE ROD
CEMENTED TOGETHER, SIDE-BY-SIDE



ANTENNA



ALL CAPACITANCE VALUES MAFD UNLESS OTHERWISE SPECIFIED
ALL RESISTORS 1/2 WATT -10% TOLERANCE

TRANSISTORS

V1-V4(p-n-p) EXPERIMENTAL R-F ALLOY JUNCTION TRIODE
V5-(p-n-p) TYPE 2N34
V6-(p-n-p) TYPE 2N35
V7-(p-n-p), V8(p-n-p) EXPERIMENTAL HIGH CURRENT ALLOY JUNCTION TRIODE

36 SSE SINGLE-LAYER ON FERRITE
TOROID SLICED FROM MINATURE I-F
TRANSFORMER CORE NUMBER OF TURNS
ADJUSTED TO OBTAIN SERIES RESONANCE
WITH C13 AT 910 KC



TOROIDAL CORE

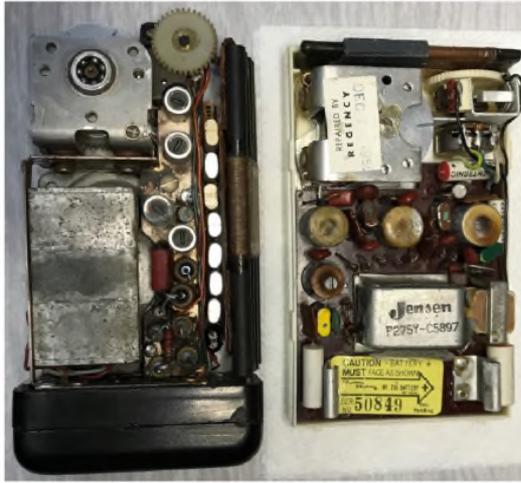
COIL ASSY ENCLOSED IN
CLOSE-FITTING COPPER
BOX WITH ONE END OPEN
FOR LEAD ACCESSIBILITY

DEPENDS ON TYPE OF CELL EMPLOYED

CONVERTER

linked PDF: <https://antiqueradios.com/forums/download/file.php?id=445343>

If anyone has any additional info, know someone who has, or has had experiences with one of these, PLEASE contact me. Also, any questions or comments are welcome. Copies of my higher-resolution original pictures will be freely shared with anyone interested. Simply send me an e-mail at: xrhonda91@gmail.com



—30—

The "Old Man" Says:



"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)

2023 SPRING MEET

Held at Heritage Hall,
Johnson County
Fair Grounds,
May 13 in
Franklin, Indiana





YESTERDAY'S PAPERS

COVERING PAST MAGAZINE AND NEWSPAPER ARTICLES

**MAY
1972**

The First IHRS Bulletin

Indiana Historical Radio Society
BULLETIN

Vol. 1 May 1972 No. 1

\$10⁰⁰ Without Tube

NATIONAL
MONODYNE

PAT. TRADE MARK PDG.

TUBE SET
MODEL GT-1

This Bulletin is printed for the members of the Indiana Historical Radio Society. The Bulletin is free to all members. As our Society grows so will our Bulletin.

INDIANA HISTORICAL RADIO SOCIETY
Preservation For Posterity

OFFICERS

President: Gary A. Vierk
Lafayette, Ind.
Vice-President: Ross Smith
Elkhart, Ind.
Secretary: James A. Fred
Cutler, Ind.
Treasurers: E. E. Taylor
Indianapolis, Ind.
Historians: Marshall Howenstein
West Lafayette, Ind.

Membership

Information concerning membership in this Society may be obtained by writing to: Secretary:

James A. Fred
R. R. 1, Box 28
Cutler, Ind.

Note* A. W. A. membership is a prerequisite for out-of-state applicants.

FORT WAYNE MEET A SUCCESS

The IHRS meet was held in Fort Wayne, Indiana, on Sunday, April 23, 1972. Roy M. Bates, former Dudlo production manager, was the main speaker. He discussed the importance of the Dudlo Manufacturing Company in the early days of wireless. This company produced much of the wire used in early wireless apparatus.

Members and invited guests from Indiana and surrounding states exhibited radio equipment of all types. Ray Yeranko, National Service Manager and museum director for Magnovox, displayed some equipment from the museum. Mr. K. D. Ross displayed a Federal 61 receiver. His ideas and interest in wireless led to the founding of WOWO.

The first auction by the IHRS proved to be an interesting segment of the program. Members sat on the edge of their seats to peer at the material being auctioned. Guests looked on with astonishment as members bid for items that looked worthless to most persons. Mr. Paul Burns, a radio amateur and former mayor of Fort Wayne, was auctioneer for the program.

Our thanks go out to Del Barrett, Julian Stark and Joe Duray for their efforts in promoting this program.

"There's a Radiola for every purse"



Radiola

Radiola

Radiola

It is low in cost - but big in performance.

news roundup

ROSS SMITH (Elkhart, Ind.) acquired several UV 190s at the Ft. Wayne Meet.

MARSHALL HOWENSTEIN (West Lafayette, Ind.) picked up a mint Day Fan in Ohio during a trip following the Ft. Wayne Meet.

JIM THOMAS (Kokomo, Ind.) displayed some mint Scott equipment in original boxes at the Ft. Wayne Meet.

GARY VIERK (Lafayette, Ind.) recently found a mint AK 10 in original wooden box with the label still on the box.

DEL BARRETT (Ft. Wayne, Ind.) and SERGE KRAUSS (Elkhart) have been swapping AK Boards.

JOE DURAY (Ft. Wayne, Ind.) purchased some AK literature and advertising material at an auction in Ohio.

ROSS SMITH (Elkhart, Ind.) has been restoring a Bosch Amborola.

WARREN JOHNSON (Ft. Wayne, Ind.) is the owner of a Kenrad Crystal set in the original carton.

ED TAYLOR (Indianapolis, Ind.) searched the Antique shops of New Orleans on a recent trip but had no luck in finding old radios.

NEW PUBLICATIONS

NOT JUST A SOUND is the story of WLW by Dick Perry at \$6.95 - Prentice Hall.

NEW MEMBERS

Glen Rogers, 1005 S. 18th St., Lafayette, Ind.

Lafayette Hosts Next Meet Sunday, June 25 Campus Inn Speaker - Displays - Auction

This Meet promises to be a big one with a lot of activity. The Campus Inn facilities are very nice. The Inn is near the State Police Post (52 By-Pass) on Northwestern Avenue in West Lafayette. Each member is asked to bring equipment for display, swapping and for the auction. Participation by each member will be the deciding factor as we found out in Ft. Wayne. Bring name tags.

SCHEDULE OF EVENTS

10:00AM-1:00PM	Set up Displays, Shop Talk, Lunch
1:00PM-1:30PM	Business Meeting
1:30PM-3:00PM	Invited Guests, Display of Equip.
3:00PM-3:30PM	Speaker
3:30PM-4:00PM	Auction

FRIENDLY EXCHANGE

SWAP - 1000 Radio & TV tubes, Radio and Electronic books. Looking for pre-1930 Radios. James Fred, R1, Cutler, Ind. 46920.

WANTED - Atwater Kent Model 19 and Radiola Model 21 or 22. Cash or Trade. Ross Smith, 1133 Strong Ave., Elkhart, Ind. 46514.

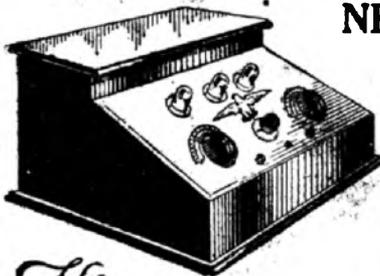
WANTED - Crosley Pup, old radio books, magazines and catalogues. E. E. Taylor, 245 N. Oakland Ave., Indianapolis, Ind. 46201.

WANTED - Crosley Model 51 or 52. Gary Vierk, 2505 Kickapoo Drive, Lafayette, Ind. 47905.

WANTED - Crosley Pup. Glen Rogers, 1005, S. 18th St., Lafayette, Ind. 47905.

ADVERTISEMENTS are free to members of the Indiana Historical Radio Society. Please direct this correspondence to the President for the next IHRS Bulletin. The Society is not responsible for any transaction.

**3 Tubes—Dry-Cell
NEUTRODYNE
RADIO**



for

\$75



The

EAGLE

FEBRUARY, 1925

DISTANCE, volume, simple operation—all the big points of the famous EAGLE Balanced Neutrodyne Receiver in this popular priced model. Especially adapted to farm requirements. No batteries to recharge, only 3 tubes needed, and no costly accessories. Gives you the market reports, sermons, entertainment and instruction you want without the necessity of making a large investment. Your purchase protected by the Eagle guarantee.



Write for Literature

EAGLE RADIO CO.
11 Boyden Place, Newark, N. J.





Of course it's
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Radio
"Oh boy! There's London! Last night I had Honolulu and the night before that Porto Rico. Here's where I get Rome. This Crosley sure does bring 'em in. There's nothing like a Crosley!"

That's what hundreds of men, women and boys found out during the international radio test week in all parts of the U. S. Hundreds of voluntary letters have come to us telling of the clarity with which England and other foreign countries were brought in by every Crosley Model, even the little one tube Crosley at only \$14.50.

The following extract from the Omaha Daily News of Dec. 8 on this subject proves the superiority of Crosley long distance reception: "A total of seventy reported reception on Crosley apparatus"—almost twice as many as any other make.

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For Sale By Good Dealers Everywhere

All Crosley Radios, except the Model 50, will operate a loud speaker.

Crosley Three Tube Model 52, \$30.00

With tubes and Crosley Phones, \$45.75

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Prices West of Rockies—add 10%

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Powel Crosley, Jr., President

238 Sassafras St., Cincinnati, Ohio
Crosley Owns and Operates Broadcasting Station WLW

Radio Station WLW of Cincinnati, Ohio, is celebrating 50 years of broadcasting. The history of WLW and the Crosley Radio Corporation is contained in several publications available in local book stores.

CALIFORNIA so far leads the country in the number of broadcast stations. She now has 37 stations; Ohio comes next, and Pennsylvania and New York are close behind, according to a study made by the National Geographic Society. Only 15 states are without broadcasting stations. The Wireless Age 1922.

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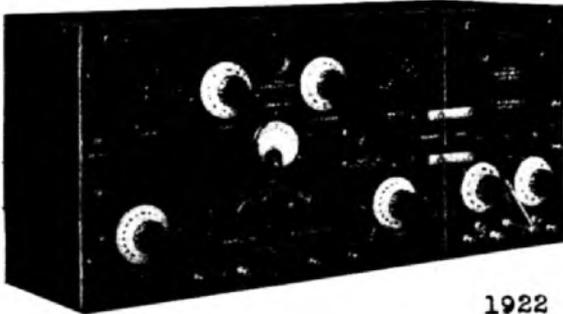
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1922

A UNIVERSAL RADIO RECEIVER, in fact, as well as in name, the Kennedy Receiver Type 110 can be made to detect, regenerate or oscillate at will, over its entire range of 175 to 25,000 meters. Cabinet is of solid walnut, hand rubbed finish--Kennedy Quality and Workmanship evident throughout.

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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



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

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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



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