

Indiana Historical Radio Society

BULLETIN

Vol. 7

September 1978

No. 3





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- Treasurer Harry Martin
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 7257 Murphy Drive, Indianapolis, IN 46256
- Historian Ed Taylor
 245 N Oakland Ave., Indianapolis, IN 46201

FOR INFORMATION WRITE TO:

- Vice President - For legal matters of the I H R S.
- Secretary - For general correspondence and membership applications.
- Treasurer - For membership payments and address changes.
- Historian - For history of the I H R S and for donations of material for the Society Scrapbook.

Please use a Self Addressed Stamped Envelope when corresponding.

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INDIANA HISTORICAL RADIO SOCIETY

FALL MEETING OCTOBER 14, 1978

AT VALPARASIO, INDIANA

The Indiana Historical Radio Society will hold its fall meeting at Valparasio Technical Institute and The Wilbur H. Cummings Museum Of Electronics. The meeting site is located on Lincoln Way West, Indiana Road 130, eight (8) blocks West of the intersection of Indiana Road 49.

Meat Schedule - Central Standard Time:

- 9:30 am Coffee and doughnuts for the early birds.
- 10:00 am MUSEUM OF ELECTRONICS will be open. SWAP MEET in the parking lot. (Inside in case of rain).
- 11:00 am A REVIEW IN SOUND - Radio programs from 1920 to 1960, by I H R S member John J. Farkus. Sounds of History will come alive again! Hear DeForest, Will Rogers, election returns from KDKA, Sarnoff and others.
- 12:00 noon COMPLIMENTARY BUFFET, courtesy of the Valpo Tech. Alumni Association. Mail a reservation card for the lunch to Hardin W. McCauley, WB9NVE, 8471 Paterson, St. John, IN 46373 or call 219-365-5979.
- TALK IN - W9SAL 146.940 MHZ Band. Announcements on 1080 WWVI.
- 1:00 to Business Meeting. Report from the Nominating
1:30 pm Committee and Election of 1979 officers.
- 1:30 pm A Word From Our Hosts. Continuation of A REVIEW
IN SOUND.
- 2:30 to MUSEUM OF ELECTRONICS will be open. SWAP MEET in
3:30 pm the parking lot.

NOTE: Overnight accomodations are available on the campus Friday night. Contact Valpo Tech Institute, P.O. Box 490. Valparasio, IN 46383, or call 219-462-2191.



★ ★ RADIOADS ★ ★

WANTED: For rewiring 30's vintage sets; 22 AWG, stranded, rubber covered hookup wire in all colors. I'll accept other types of insulation but it must resemble the old rubber formulations. Robert Lozier, 318 E. Houston St., Monroe, N.C. 28110

WANTED: Echophone S-5 chassis, small 8 tube mantel set for parts, Jackson Bell Mod 62 chassis 6 tube mantel set for parts, Dial Escutcheons for; General Motors "Little General" Mod 110, Belknap Hardware Model G, and Balkeit, Nat'l Transformer 5 tube mantel set. Will buy or trade. Have brass base good OLA's. Frank Heathcote, 1235 N. 3rd, Logansport, IN 46947
1-219-722-3612

SWAP: Stromberg-Carlson horn speaker for other type horn speaker - good coil. Also Baldwin, Frost or USVA headsets for Western Electric or Delta phones. Fred Prohl, 7257 Murphy Drive, Indianapolis, IN 46256

Sell: Pilot Super Wasp AC Screen grid short wave and broadcast bands. Factory built cabinet 32X12X10 all in new like condition. Also Brunswick AC model SKR with matched speaker. All original and new like appearance. \$200.00 for each set. Arthur J. Bardish 4042 Herman Ave. SW, Grand Rapids, Mich. 49509

SELL OR TRADE: 28 issues of Antique Wireless Ass'n "Old Timers Bulletin" Vol 5 to Vol 15. 34 issues of "Radio" magazine, 1936 to 1942. 7 issues of "The Radio Telegrapher" 1920-1921. 2 issues of "All-Wave Radio" 1935-1936. 2 issues of "Short Wave Radio" 1934. S.A.S.E. Stanley M. Johnson, 3321 Eastbrook Drive, Fort Wayne, IN 46805

WANTED: Advice on replacing a decal set such as Music - Speech - Off, Volume etc. and the RCA Victor logo. Fred Prohl 7257 Murphy Drive, Indianapolis, IN 46256.

★ ★ RADIOADS ★ ★

WANTED: Federal battery set, early Zenith (C.R.L.) battery set. Plug in coils for National FB-7. Also, pwr supply and PSK pre-select toggle switch escutcheon plate for Radiola 16. Complete audio amp section for Grebe CR-9, or parts to make one. Cabinet for Radiola Balanced Amplifier, Radiola III type. Send S.A.S.E. for trade list to Ross Smith, 1133 Strong Ave., Elkhart, IN 46514.

SELL: All good and very restorable sets without tubes. AK 20 compact \$45.00, AK 20 \$45.00, Magnavox Model 10 \$45.00, Freshman Model E \$45.00, 1928 Randolph \$42.00, Arborphone 27 \$48.00, Crosley XJ (Needs Trannies) \$42.00, others and misc. Send large S.A.S.E. with two stamps for list. Thanks! Trades?? Want pre-1924 anything, Rick Ammon, P.O.Box 104, Mt. Carmel, ILL. 62863

RADIOADS are FREE to all I H R S members.

Radioads and information for the December Bulletin should be submitted for printing by 12/1/78

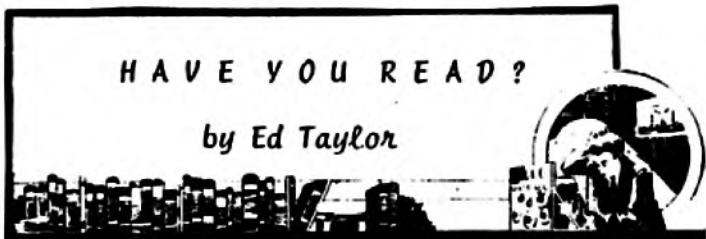


Warning!! DO NOT FAIL
TO LISTEN TO THE EXCITING PROGRAM
"I LOVE A MYSTERY"
CARLTON MORSE'S HAIR-RAISING, TEETH-CHATTERING
THRILLERS THAT HAVE ALL AMERICA
ON THE EDGE OF ITS CHAIR !!!

MONDAY, 8 P. M. EST. **W B Z** and other stations of the Blue Network
Presented by **FLEISCHMANN'S FRESH YEAST**

HAVE YOU READ?

by Ed Taylor



REMEMBER RADIO
Ron Lackmann 1970

A nostalgic look back at those thrilling days of yesteryear when radio was in flower.

Remember?: Who knows what evil lurks in the hearts of men? The Shadow knows!

Remember?: From out of the past come the thundering hoofbeats of the great horse Silver. The Lone Ranger rides again.

Remember?: Height: 6 feet. Weight: 290 pounds. Fortune: Danger! Whooo is it? The Fat Man!

Remember?: Fibber McGee & Molly, Grand Ole Opry, The Goldbergs, Inner Sanctum Mysteries.

Here are many of the actual lead-ins we all remember but think we have forgotten. Here are rare photos of the hidden heroes & heroines whose faces were unknown but whose voices we recognized on first syllable.

The big wooden radio that held its place of honor in the parlor has not been forgotten. It was something that was not taken for granted. Radio was the heart of the house, an important part of our lives.

Through photos, scripts, and reproductions of actual radio listings of bygone years, REMEMBER RADIO covers the full range of radio greats—the mystery shows, kiddie shows, soap operas, dramas, comedies, and news. This book provides the reader with a true feeling for the wonderful mystique that kept America glued to the magic box that was radio.

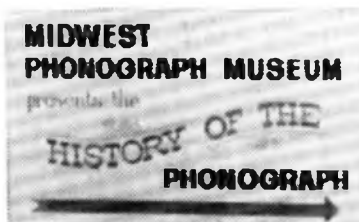
I H R S Meeting At Martinsville

Beautiful sunny weather in Southern Indiana combined with the company of radio and phonograph collectors produced a very successful Indiana Historical Radio Society meeting in Martinsville.

The parking lot swap and sell provided a wide variety of radio gear for the collector. A sample of items available includes Grosley 52, Areola Sr., Radiola VIII, Zenith all band portables, Scott Console, and many more radios and parts.

The Museum tour of phonographs is excellent and is well worth a special trip to Martinsville to see. Dr. and Mrs. Drake take great pride in their collection and readily share their knowledge of early phonographs during the tour they personally conduct.

Glen Rogers undoubtedly will remember the Martinsville meeting as the day he discovered a loose coupler in a dark corner of a local antique shop. Of course Glen didn't want his fellow I H R S members to feel too envious of his find. That's why he walked into the business meeting (late) and placed the loose coupler on a shelf for all to stare at during the rest of the meeting. Congratulations Glen.



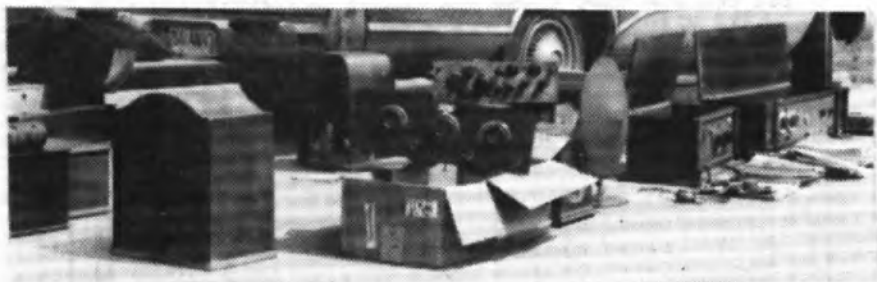


Dr. and Mrs. Drake
lead an informative
tour for I H R S
members at the Mid-
west Phonograph
Museum.





I H R S July 1978 Meeting at the Midwest
Phonograph Museum in Martinsville, Indiana.



Vintage radios and parts of interest to all
collectors.



Replace the WD-11

3. You can get a UX base, with a pin in the side, with a modern four pin socket mounted in it. Simply plug your type 30, 99, or 864 into the socket and plug the adapter into a UX socket and with the proper filament voltage you can replace a WX-12, WD-11, UX-200A, a UV-201A, or a UX-201A tube.

4. If you don't feel capable of rebasing the 864, you can buy a WD-11/864 which is a direct plug in replacement for the WD-11. An 864 has been neatly mounted and cemented into a WD-11 type base.

5. You can get an 864 mounted in a UX base, with the pin in the side, that is a direct plug in replacement for a WD-12 and a WX-12

6. You can get a type 30 tube mounted into a UX base, with the pin in the side, that will, with the proper filament voltage, replace a WD-11, a WX-12, a UX-201, UX-200A, UV-201A, or a 40 (a tube similar to a 201A).

You can see that there are enough possibilities here to keep many of your old radios playing for a long time. I would suggest that you send a long SASE for the brochure and then decide what method you will use to get your old radios playing again.

James A. Fred, Authors Rights Reserved.



AERIOTRON VACUUM TUBES

(Westinghouse Products)

Aeriotron Detector Tube Model WD-11, For Use with Aeriola Sr. Receivers

Aeriotron Detector tube, Model WD-11, is designed for use with the Aeriola Sr. Receiver. It is provided with a special base to preclude the possibility of its being placed in a circuit other than that for which it has been designed.

The filament current consumed by this tube is .25 of an ampere which may be supplied from a single 1.5 volt standard dry cell. However, it is inadvisable to connect the tube directly across the terminals of such a battery, and for this reason a suitable rheostat for controlling the filament temperature is provided with the Aeriola Sr.

The WD-11 Aeriotron tube operates quite satisfactorily as a detector when 22.5 volts are applied to its plate.

Aeriotron Detector Renewal Tube, Model WD-11 for Aeriola Sr. Receiver \$8.00
Dimensions: 4 1/4 in. x 1 1/4 in. Weights: Net, 4 oz.; Shipping, 1 lb.

HOW TO REPLACE THE WD - 11

James A. Fred

There are some vacuum tubes used in the radios made between 1920 and 1924 that are nearly impossible to find. We refer mainly to the WD - 11, WD - 12, and the WX- 12. These tubes were supplied with the Aeriola SR., Radiola III, Radiola IIIa, and the Radiola Grand, just to name a few. Many collectors have resorted to Rube Goldberg devices to replace the WD - 11 with a 99, a 30, an 864, or numerous other substitute tubes. This is no longer necessary because it is now possible to buy a tube that will plug directly in to the WD - 11 socket and operate on the same filament voltage and current and with the same plate voltage as the original tube. To the casual observer there appears to be no difference in the set with the substitute plugged in.

The same problem doesn't exist to any great degree with the WD-12 or the WX-12. The reason for this is the fact that both tubes have a conventional base pin configuration. The WD-12 has a large base, short pins, and a locator pin in the side of the base. The WX-12 has regular length and diameter pins and also has the locator pin in the side of the base. The internal construction of the grid, plate, and filament appears to be identical in all three tubes. The VT-24/864 vacuum tube was developed by the Signal Corp as a non-microphonic replacement for the above mentioned three tubes. It has the conventional pins, a small base, and the same pin spacing as all modern 4 pin tubes. It can be used as a direct replacement in a UV 4 pin socket. Unfortunately there weren't many UV sockets used in the early 20's, because the WD-11 and UX socket with a shell dominated the old chassis of that period.

Antique Radio Parts, P.O.Box 42, Rossville, IN 46065 has a solution to the above problems. Write to them for a brochure with prices on the various bases and adapters they manufacture. Listed below are some of their products.

1. You can get a new base with the correct pin size and spacing to replace the base on the VT-24/864 that will give you a direct plug in replacement for the WD-11.

2. You can get an adapter that consists of a modern 4 pin socket mounted in a WD-11 type base. Simply plug your VT-24/864 into the socket and plug the base into the WD-11 socket.

Indiana Historical

Radio

CASE RADIO APPARATUS

Formerly INDIANA HYPERDYNE RADIO

Meets Every Demand!



\$65.00
LESS
BATTERIES
AND
TUBES

MODEL 500

A DeLuxe five tube long distance tuned Radio Frequency Receiver, placed in 3 1/2" solid mahogany cabinet with sloping crystal lacquer aluminum panel. Very best material throughout. Each set thoroughly tested. All parts and sets complete built in modern plant. Made in two styles of cabinets. Model 500, table type \$65.00. Model 702, console type \$160.00.

**6 Popular Models
6 Popular Prices**

\$65.00	\$160.00
75.00	170.00
85.00	180.00

Write Today
for Full Information

\$85.00
LESS
BATTERIES
AND
TUBES



MODEL 503

A six tube multi-power receiver of precision. Has four degrees of power controlled from front panel giving superior reception at all times. Positive vernier controlled silver pointers, calibrations on panel marked regularly and in meters. Beautiful hand rubbed mahogany cabinet. The radio buy for Spring and Summer use. Made in two styles of cabinets. Model 503, table type \$85.00. Model 701, console type \$180.00.

What's Under the Hood



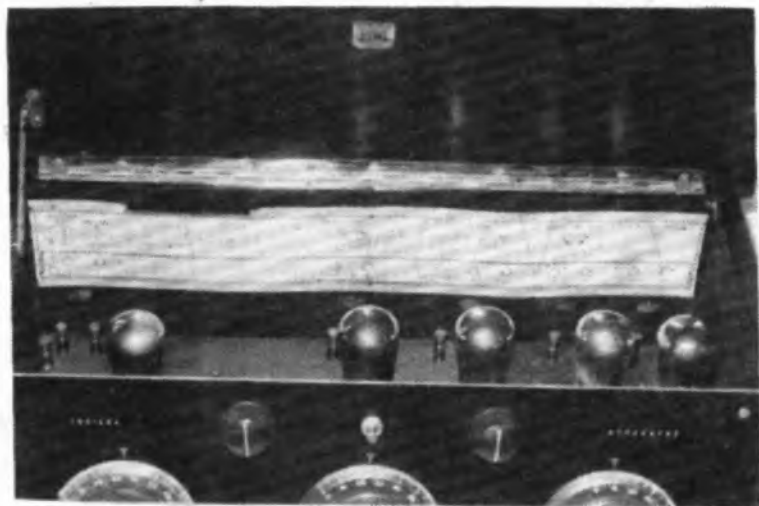
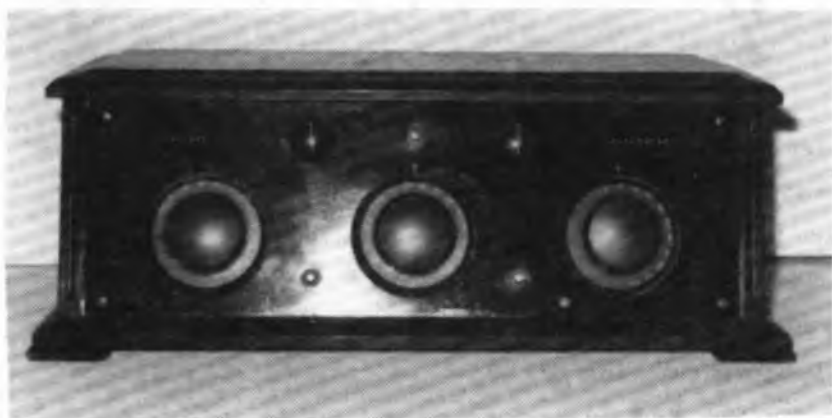
CONSOLE
MODEL 703

Quality Radio
Sets are Manufactured Complete in Our Large Modern Plant—

INDIANA MFG. & ELEC. CO.

**CASE
RADIO APPARATUS**

800 CASE BLOCK, MARION, INDIANA



Indiana Hyperdyne, Case Radio,
Indiana Manufacturing and Electric
Company, all trade names of a
battery radio manufacture in
Marion, Indiana during the mid
1920's.





PAPER CONES FOR SPEAKERS

by Ed Taylor



Many collectors find old magnetic speakers with the paper cone damaged or missing. Most of these units used a balanced armature type driver and this should be tested before making a new cone.

Only two measurements are needed to fit a paper cone to the frame. First measure the diameter needed and divide by 2 for "a". Then measure from the diameter edge to the apex of the cone for "b". See Fig. 1.

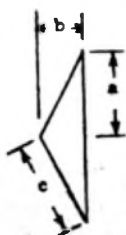


FIG. 1

$$c = \sqrt{a^2 + b^2}$$

The formula in Fig. 1 is for "c" which is the radius of the circle needed for the cone. Draw this circle on a piece of black or brown construction paper. (Artist Supply House)

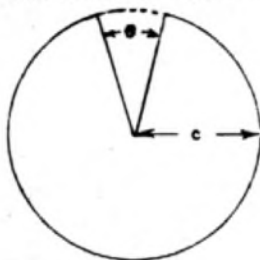


FIG. 2

$$\theta = \frac{360 (c - a)}{c}$$

The formula in Fig. 2 is for the pie shaped piece to be removed from the circle. These formulas are easily worked out on most pocket calculators. Use a protractor for the angle of the pie shaped piece. Cut out the circle and remove θ .

Make a strip of the same paper $\frac{1}{8}$ " wide and tapered at each end. See Fig. 3. This strip is the same length as "c".

Butt the two edges of the cone together and glue with this strip overlapping each edge. Put the strip on the side of the cone which does not show from the front.

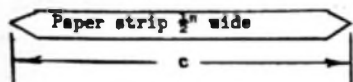


FIG. 3

Mount the new cone with the driver wire in the center of the apex as the original was. With a few adjustments the old speaker should look and work like new.

EDITORIALS

You Too Can Host An I H R S Meet

Now is the time to schedule I H R S meeting activities for 1979. Typically our organization meets four times a year; winter (February), spring (April), summer (July), and fall (October). One date has been requested for 1979. This is Auburn, April 21, 1979 (mark your calendar).

Would you like I H R S to meet in your area of the state? It can happen! One person can host a meeting in their town successfully. Here's how:

1. Inform the I H R S President of when you would like to hold the meeting.
2. Locate a meeting site.
 - A. A school, Church, park shelter, community hall, museum etc. for a business meeting and shelter.
 - B. Facilities for swap sessions. This can be indoors or from the car trunk in a parking lot. Swap session space indoors should be on ground level - minimum stairs.
 - C. You can expect 40 to 50 people at the average meeting. Seating for 30 or so is an important consideration.
 - D. It is not recommended going over \$30.00 total expenses since all expense money will have to be collected at the door or through a registration fee.
3. Inform the Bulletin Editor as soon as possible for publication of meeting date, time and specific location.

Meeting these basic requirements can result in a successful meeting. Additional considerations that may add to the success of a meeting and are at the discretion of the host are guest speakers, radio displays, contests and sites of interest in the area.

Think it over. Talk about it with I H R S officers and members, and we'll see you at your place.

Mesco Wireless Practice Set

For Learning the Wireless Code



The Practice Set comprises a regular telegraph key, without circuit breaker, a special high pitch buzzer, one cell Red Seal Dry Battery, and four feet of green silk covered flexible cord.

CASE
RADIO APPARATUS

Jobbers and Dealers

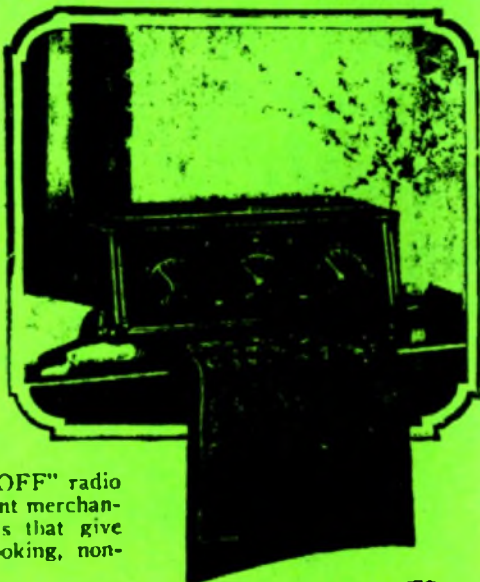
Year after year there has been a tremendous increase in radio sales. 1926 will be the biggest year, by far. You want your share and we can help you get it.

The country has been flooded with "OFF" radio sets. The public is sick of it. They want merchandise. They want precision instruments that give positive reception—not just a good looking, non-functioning radio.

CASE RADIO APPARATUS has made good. It is one of the few merchandising successes—WHY?—because it is built right and priced right.

Case Radio will compare with any on the market for looks,—AND "beneath the hood" there is an electrical instrument, designed, engineered and re-engineered. We have exactly what the public demands,—Further,—we have a complete line, not one set but fourteen sets. Let them choose and lower your sales resistance.

Ask anyone that has sold Case Radio and they will tell you that it is in a class by itself. Good franchises still open.



PERTINENT FACTS

1. Five, six and eight tube models, all radio frequency.
2. Outdoor, indoor and loop antennas, with and without ground.
3. Batteries and no batteries.
4. Sold exclusively through recognized jobbers and dealers.

5 TUBE RADIO SET FREE for a name for our House Organ, which we accept. Open to everyone except persons living in Marion or connected with organization.

INDIANA MFG. & ELECTRIC CO.

600 CASE BLOCK

MARION, INDIANA