

Indiana Historical Radio Society
BULLETIN

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No. 1



The INDIANA HISTORICAL RADIO SOCIETY was founded at Peru, Indiana, on October 4, 1971.

CONSTITUTION OF THE INDIANA HISTORICAL RADIO SOCIETY PREAMBLE

We the members of this historical radio society, in order to establish a permanent organization to promote the preservation of historical radio equipment, do ordain and establish this constitution.

OFFICERS

President	ROSS SMITH, 1133 Strong Ave., Elkhart, IN 46514
Vice-President	
Secretary	JIM FRED, RR 1, Box 28, Cutler, IN 46920
Treasurer	E. E. TAYLOR, 245 N. Oakland Ave., Indianapolis, IN 46201
Historian	MARSHALL HOWENSTEIN, 807 Elm Drive, West Lafayette, IN 47906
Editor	GARY A. VIERK, 2505 Kickapoo Drive, Lafayette, IN 47905

NOTICES

CORRESPONDENCE requires SASE.

Membership applications available upon request.

IHRS Constitutions available upon request.

IHRS Stationery available from Ross Smith at \$2.25 per 50 sheets. Good quality bonded paper used.

IHRS Museum photos available from Ross Smith at \$1.00 each for B&W 5x7 or \$1.75 each for B&W 8x10. The entire set includes 16 photos. 50% discount for Museum exhibitors.

INDIANAPOLIS HOSTS IHRS MEET

The IHRS held its January meeting in Indianapolis at the Indiana State Museum in conjunction with the grand opening of the Society's Radio Exhibit. The annual election of officers was held and the proposed amendments were voted on. Ross Smith was elected President and John Noble was elected Vice-President. Gary A. Vierk accepted the office of editor. The other officers remained unchanged.

An amendment to prohibit the IHRS from being merged with other organizations was voted on and unanimously accepted. Bylaw changes and additions included the establishment of the office of editor, change in the dues schedule to prorate dues semi-annually for new members and the establishment of a nominating committee for the election of officers.

During the business meeting the wives and guests visited the Indianapolis Museum of Art.

Following the business meeting the Director of the Museum, Carl Armstrong, was introduced to the members by John Noble. Members were then escorted to the Museum Display area for a preview of the Society's Radio Exhibit.

After lunch Fred Prohl opened the program and presented the guest speaker, Mr. Martin E. Williams. Mr. Williams is owner of WFMS, engineer for WFBM, builder of many stations and one of the first radio pioneers in Indiana. He told of his experiences in the field of electronics and of the development of FM.

A film entitled "Early Radio" was shown after Mr. Williams presentation. About 100 persons attended the program which was open to the public.

The IHRS wishes to extend its congratulations to the Indianapolis Members for the many hours contributed toward making this Meet a success.

It might be noted that our display has doubled the attendance at the Museum. Approximately 300 people visit our exhibit each day. Many are school students who know nothing of RADIO as we knew it. The exhibit is doing a great job to educate these young people in the history of radio.

**KENNEDY
EQUIPMENT**

*Look for the
Trade Mark*

SOCIETY HAS STATE MUSEUM EXHIBIT

UPON entering the Gallery you are met by the one and only Nipper. Nipper stands about seven feet tall as he waits patiently for the sound of "His Masters Voice", a memory from the old days of RCA Victor. After a good look at the RCA trademark your ears tune in to the recorded sounds of radio. These sounds are never to be forgotten for they relate to this imposing site before you. Memories of happy hours when the whole family gathered around the old gothic style radio flood back as the creaking door swings open on Inner Sanctum, or as Amos intones to Andy, "I is restin' mah brain". You are surrounded by the nostalgia of this hobby, but never before in such an elegant atmosphere.

As you move about the gallery your eyes jump from one display to another for each is done with such care. The displays include something for everyone. You see the Crystal sets, the Crosleys, the RCA's the AK's, the Homemade's. Even such whimsies as Amos 'n Andy wind up toys and secret code badges which could be obtained with a box top plus ten cents. Supplemented with side labels and pictures which trace the development of the broadcasting industry, the exhibit evokes a pleasant nostalgia in anyone over 40.

This is the Museum's first exhibit dealing with 20th century technology, and it effectively demonstrates the fact that history can be only yesterday. Those who are too young to remember the halcyon days of radio will come away with some understanding of the far reaching effects of "wireless" on American life.

The front cover shows the Society's display as seen through the portal with Nipper in the foreground.

The back cover shows a large display of radio equipment in the gallery.

The INDIANA STATE MUSEUM is located at 202 North Alabama Street, Indianapolis, Indiana. The Museum is open on weekdays from 9AM to 5PM and on Sunday from 2PM to 5PM. Admission is free.

DISPLAY CONTRIBUTORS include; J. F. Anderson, North Vernon, IN; D. Barrett, Fort Wayne, IN; R. Hellis, Estes Park, CO; M. C. Howenstein, West Lafayette, IN; J. Noble, Indianapolis, IN; F. C. Prohl, Indianapolis, IN; G. E. Rogers, Lafayette, IN; R. Smith, Elkhart, IN; E. E. Taylor, Indianapolis, IN; J. Thomas, Kokomo, IN; C. A. Trivett, Ashland, KY; G. A. Vierk, Lafayette, IN.

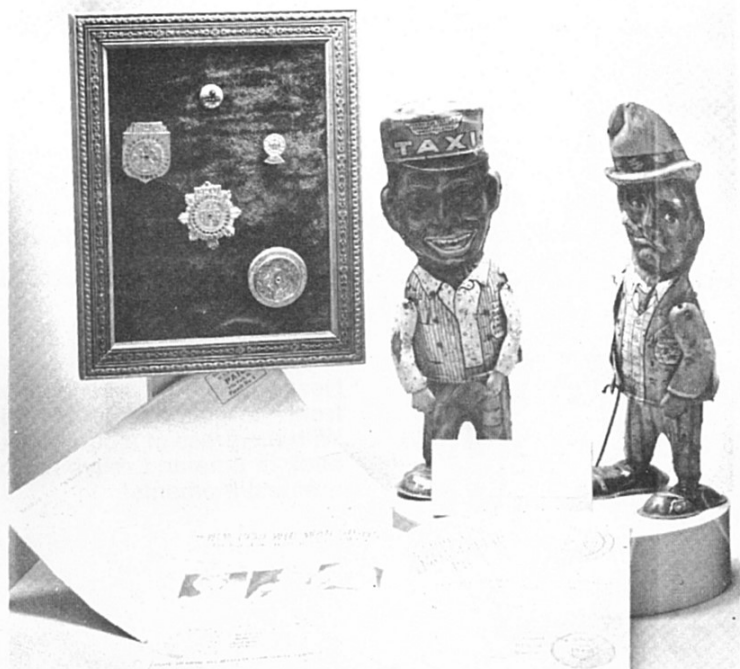
A TIME TO REMEMBER!

THE AMOS & ANDY wind-up toys were given to me on Christmas, 1930. When wound up they do a shuffle dance and the eyes roll. They have been in my parents attic for many years stored in a shoe box. All of my other toys are there also.

The Orphan Annie de-coder pins were mine from the late 1930's. Most children of that age group would listen to LITTLE ORPHAN ANNIE every afternoon when school was over. At the end of each program a coded message was read which was a clue to what would happen on the show the next day. Of course every kid wanted to know this and the only way was with a de-coder pin which came in the mail for an Ovaltine seal and \$.10. The sponsor changed codes every year to keep kids drinking the nasty stuff.

The display shown in this photo may be seen at the INDIANA STATE MUSEUM in Indianapolis, IN.

E. E. Taylor





FORT WAYNE HOSTS SPRING MEET

The Meet will be held at the Waynedale Branch of the People's Trust Bank Building one block west of the intersection of Indiana Route 1 and 3, in the south-west corner of Ft. Wayne, on Sunday, April 29th.

The doors will open at 10AM to allow members to set up equipment. A business meeting will be held at 11:30AM. At 1:30PM, Ray Uranko, National Service Manager for Magnovox, will speak.

There will be a receiver contest. There is only one requirement - Bring a homemade battery set. The sets will not be put into operation. Win a prize.

There will be a raffle. There will be attendance prizes.

*****AUCTION*****

A large auction is being anticipated and members are urged to bring equipment so we can generate even more excitement than last years auction.

TO ALL MEMBERS - This Meet will be a big one. BRING EQUIPMENT FOR DISPLAY, TRADE AND AUCTION. SELL IT THIS YEAR, BUY IT BACK NEXT YEAR.



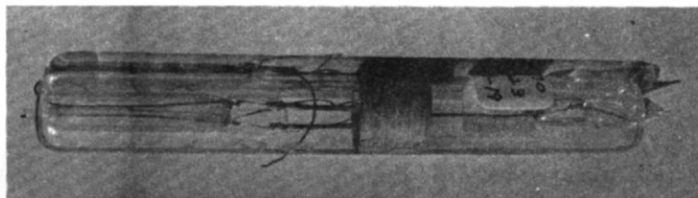
Hear again your old favorites from the golden age of radio. With the press of a button, step back in time and relive radio's greatest moments!

WEAGANT TRANSMITTING VALVE

by

Robert G. Middleton

Roy A. Weagant, an engineer with the Marconi Company, developed the transmitting valve shown in the photos during WW-1. It employed an outside electron control element in order to avoid infringement of the DeForest grid patent. A Pyrex tube enclosed a disc plate and a tungsten filament. The efficiency of the tube in an oscillator circuit was approximately 50%, neglecting the energy supplied to the filament. Several versions of the Weagant valve were developed, one of which utilized an internal grid structure consisting of a perforated metal disc. This disc was not regarded as a true grid, because it had no connecting lead. Instead, capacitive coupling was used to the external circuit through the glass wall of the tube. The following tabulation gives performance data for a Weagant wireless - telephone transmitter using seven valves in parallel:



Wavelength = 700 meters
Antenna radiation resistance = 1100 ohms
C = 0.0008 mfd
Loading coil, 40 turns, 4 inches diameter
Coil resistance = 10 ohms
Plate input = 2500 volts at 0.14 ampere (350 watts)
Filament input = 13.3 volts at 21 amperes (280 watts)
Output = 3 amperes in 20 ohms
Conversion efficiency = 54.5%
Overall efficiency = 28.5%

news roundup

ED TAYLOR (Indianapolis, IN) is the proud owner of a Crosley Pup and is now looking for a pair of Crosley headphones.

SERGE KRAUSS (Elkhart, IN) has added a Radiola RS, a Crosley VI, and a Radiola Special to his collection. New old lamp items included in Serge's collection are a mogul Thomson-Houston base item and a blue cavity vaporizer lamp.

JIM FRED (Cutler, IN) located a Radiola III and a Balanced Amplifier complete with WD-11 tubes.

JOHN NOBLE (New Orleans, LA) now owns an AK 10 and a Grebe Syncrophase. John also picked up some WD-11's in a radio shop.

CLAUDE W. SHEETS (Cutler, IN) reports his new Wankel engine automobile is giving fine service.

ED TAYLOR (Indianapolis, IN) is busy working on his building that will eventually house his private radio museum and laboratory.

JOHN NOBLE is now residing in New Orleans, LA. We wish him luck and hope he will continue to participate in the IHRS.

SYMPATHY - We extend our deepest sympathy to Ross Smith and his family in the death of his mother.

A 12" 33RPM recording is available for the asking from Radio Station WILL, Gregory Hall, University of Illinois, Urbana, ILL. This relates to 50 years of broadcasting from this station.



TRADE MARK REGISTERED

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Telmaco



Type B-R Receiver

fully meets the requirements of the discriminating purchaser because of the following features:

EFFICIENCY OF OPERATION: Securing volume, distance (1500 miles with single tube is not unusual), selectivity: broadcasting stations one-half mile distant are tuned out by a slight turn of condenser dial.

EASE OF OPERATION enabling the novice to secure satisfactory results.

HIGHEST QUALITY OF WORKMANSHIP AND MATERIALS.

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Telmaco BA 2-Stage Amplifier for the Above \$20.00

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Our new 64-page Catalog No. TCR contains twenty of the most popular radio circuits printed in blue. These include the Hazeltine Neutrodyne, Grimes Inverted, Colpitts, Flewelling, Reinartz, Diode Electrad, Heterodyne, Super-Regenerative and many others. Each article used in circuit is attractively pictured instead of appearing in straight schematic form. Besides containing blue prints, the best in radio is also illustrated and described. Catalog sent postpaid for ten cents. Each circuit worth double."

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of
"AIRLINE", "RADAK", 3 tube
sets, "GREBE", "FITCH", cone
speakers. AK Boards. C. E.
Strand, 3823 Ill, Marion, IN
46592



WANTED - Early Radios,
catalogs (Sears 1914-29)
Crosley Crystal Set
Grebe 5 tube
C. E. Strand, 3823 Ill,
Marion, IN 46592

FOR TRADE - de Forest D-10, Radiola Regenaflex, Crosley Ace V, Air Way
G, & Polydyne S6. Want Radiola I, Radiola Concert, Radiola Balanced
Amplifier, Crosley 3-B, and small sets. Serge Krauss, 141 Homan Ave.,

TRADE - 1923, 24, 25 Radio News issues for trade on 1922 issues. Also
many other magazines to trade. Will swap trading lists (radio or electric)
Serge Krauss, 141 Homan Ave., Elkhart, IN 46514

FOR SALE - AK table model 37 in metal case (AC), complete with tubes,
but no speaker. Set cleaned, restored, & in excellent playing condition.
\$35.00, transportation extra. Leo L. Gibbs, W8BHT, 701 Brookfield Rd.,
Dayton, Ohio 45429

WANTED - Pre-WW1 Spark Equipment. Marshall Howenstein, 807 Elm
Drive, West Lafayette, IN 47906

WANTED - Crosley battery set, any model. Gary A. Vierk, 2505 Kickapoo
Drive Lafayette, IN 47905

SAVE THOSE DIE CAST PARTS!

MOST COLLECTORS have experienced the disappointment of finding an interesting collector's item and then having to pass it up because of disintegrating or broken die cast parts. Take a second look at such items, as they may be easily repaired. You might be able to buy the part at a considerable price advantage! Also, you may end up with a rare item if others like it have already gone the way of the scrap pile.

If the part is badly cracked but all parts are still there, or if holes or missing pieces can be filled, the part can be repaired by filling all of the holes and cracks with metal filled epoxy. I use Steel Epoxy from the variety or drug store, which is very strong and finished well, with a natural gray color that will prime and paint well.

Very deep cracks will require as many as three or four applications with 24 hours drying time between. Mild heat will help draw epoxy into cracks, but do not overheat or you may end up with a pile of scrap pieces instead of a part! Clean and degrease the part thoroughly before applying the filler.

If the repaired area is an outside surface, such as a base for a horn speaker, it may be finished the same as you would finish a dent on your automobile fender. Alternate the course, fine and polishing paper until you have the desired finish ready to prime and paint. Some of the final polishing will not be required if you use wrinkle paint or varnish. This goes for any metal surface finish, as the wrinkle paint will do a better job of covering up irregular surfaces. You get a better "crackel" effect by applying mild heat with a heat lamp. The trick is to follow instructions on the spray can and dry the paint as fast as possible.

If a special final color is required and is not available in wrinkle finish, use gray wrinkle and allow it to dry 48 hours or more. Then prepare a regular enamel final coat. This will not cover up the wrinkle finish.

If the die cast part is a dial pulley that has frozen on a shaft, you are in deep trouble. Try soaking with Liquid Wrench for several days and if that does not work, the part will have to be forced or cut from the dial assembly. Save the parts for a mold and have a new piece cast.

A frozen die cast horn speaker unit is very difficult to repair. If threads are frozen and cannot be relieved, another speaker unit will probably be the only cure. With the bottom plate in place, it will pass inspection.

With a little time, patience and ingenuity, you will have a good repair job that will hold together for a long time.

Ross Smith

★ ★ ★ INDIANAPOLIS ★ ★ ★

