

Indiana Historical Radio Society

BULLETIN

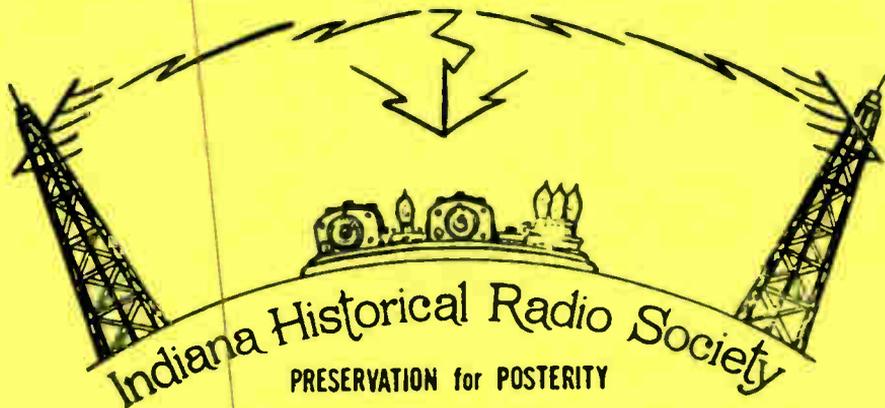
Vol. 9

June 1980

No. 2



"He pulled out the filament switch and the tubes lit up—oh,
they lit up beautifully—"



OFFICERS

- President Don Johnston
Route #1, Box 218-A, Windfall IN 46076
- Vice President Frank Heathcote
1235 N 3rd Street, Logansport, IN 46947
- Secretary Ron Thomas
933 N Audubon Rd, Indianapolis, IN 46219
- Treasurer Marshall Howenstein
2741 North Salisbury, West Lafayette, IN 47906
- Editor Fred Prohl
7257 Murphy Dr, 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. (1980 I H R S membership dues are \$6.00.)
- 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.

Reproduction of this Bulletin or its contents is prohibited unless authorized by the Indiana Historical Radio Society.

I H R S 1980 MEETING SCHEDULE

July 12, 1980 - LOGANSPORT, Indiana, Riverside Park Pavillion. Located on the south bank of the Eel River - between 11th and 15th streets. Three blocks north of US24 (East Broadway). See the enclosed map.

Time - 9:00am to 5:00pm

Events - Antique Radio Contests

Classes: Four tube battery sets.
Unusual and disguised Radios.
E C A Radios to 1940.

Classes are broad to invite maximum participation.
Judging by ballots - everyone voting.
Prizes awarded.

Everyone is asked to bring a carry in dish.
Charcoal grills and lots of picnic tables are available.

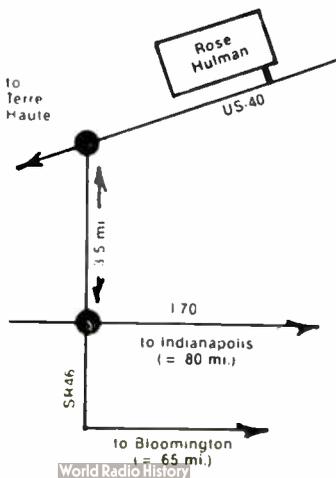
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September 7, 1980 - Terre Haute, Indiana, Rose Hulman Institute of Technology. Located 5 miles east of downtown Terre Haute on Rt 40 - also called Wabash Avenue.

Time - 9:00am to 2:00pm.

Bring lots of swap material.
There will be space for display items.

Annual election of officers will be held at this meeting.



THE PRESIDENT'S CORNER

The Indiana Historical Radio Society is now in its Ninth Year.

At the time of the formation, thirteen men with a common interest concluded they could derive more pleasure from their hobby by sharing it with others. Like many other organizations, our club has grown fast with the rise in popularity of nostalgia.

This has given us a lot of favorable publicity, which has resulted in the preservation of many old radios which otherwise may have been scrapped. Unfortunately it has had an adverse affect, also. It didn't take long for the opportunist to make his presence felt. Suddenly the country was scoured for sets by the opportunist; he had no real interest in the hobby, but was interested in the fast buck it offered him by getting in on the ground floor. As a result of this, the antique dealer and the general public have caused prices to soar. Many of us have parted with sets at realistic prices in the general spirit that used to prevail. Later our hair curled to see those same sets advertised, by that friendly new 'collector', at astronomical prices. Now there appears to be no end in sight to where it will all end. Unless we do something our hobby will end just as many have -- with most items out of reach for the average hobbyist.

I have no quarrel with our legitimate dealers, who are active hobbyists truly interested in the hobby. Many have made welcome contributions, such as the availability of reproduced hardware and so forth. There is nothing wrong either with being able to sell a set at a profit. This is fun and it helps to support your hobby. Unfortunately, it has become big business to some.

There is a bright side to all of this, though. The majority of members I've noticed, still are maintaining sensible prices for merchandise they offer at swap meets. Most of us still value the friendships and good will of our fellow collectors over the almighty dollar. As long as this situation prevails, we will all enjoy our hobby longer.

continued on page 5



Balanced Headsets

This exceptionally fine product built by a past master on phone design achieves the most perfectly balanced headset ever attained.

Write for particulars on attractive proposition for jobbers and dealers.

T.B.H. RADIO CO.
Danville, N. Y.

The President's Corner, continued:

We must remember — it is a hobby. And hobbies are for fun — not profit.

I am dropping my subscription to one popular publication. I just cannot endorse this publication after seeing full-page ads of tubes advertised at \$5.00 to \$6.00 each, that are readily available at meetings and hamfests at \$0.25 to a dollar. The sets and speakers advertised are just as overpriced.

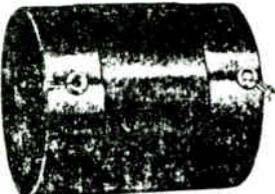
In conclusion: This coming year, many new people will ask to come into our fold. My suggestion is — let us go for quality, not quantity of membership, and keep our hobby a fun thing, not pawns of those who are looking for a chance to rip us off.

Don K. Johnston

**AP
COILS COILS**

Precision

Uniformity and constancy of Electric values are the 1926 requirements for coils.



We are prepared to wind precision coils for a few discriminating set manufacturers.

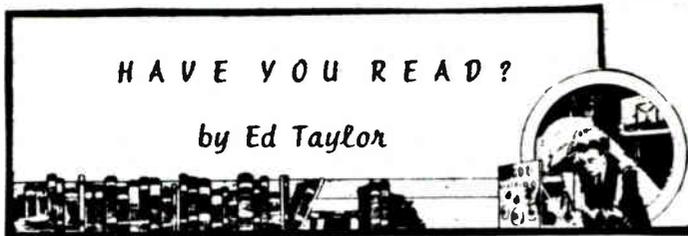
We specialize on manufacturer's requirements.

ACME PRODUCTS CO

107 W. Canton St. Boston, Mass.

HAVE YOU READ ?

by Ed Taylor



A HISTORY OF THE MARCONI COMPANY

By W.J. Baker

St. Martin's Press: New York 1972

In 1896 a young Italian arrived in England with some mysterious scientific apparatus as part of his personal luggage. The Customs officials, who had seen nothing like it before, examined it so thoroughly that the delicate apparatus was completely wrecked. This was the inauspicious beginning of a venture that was destined to remold the pattern of 20th century living.

This book begins with a brief resume of early scientific discoveries up to 1896 and goes on to record the fortunes of the Marconi Co. In the course of the book the author covers in detail the story of radio from the first wireless signals across the Atlantic to the transmission of color TV programs via satellite. The narrative includes the development of electronic devices during two world wars and the histories of such specialist fields as sound broadcasting, television, aviation electronics and radar.

The text makes lively reading and the more technical information is written in a clear style which can be readily understood by the general reader. For the technical man, circuit diagrams of early apparatus give added interest. The text is generously illustrated with photos from the Marconi archives.

W. J. Baker joined the Marconi Company in 1952 and is now the technical research editor.



FIFTY YEARS AGO

This year began a new decade with one of the deepest financial depressions in history and ended with the beginning of WWII. The radio networks set patterns of split second timing with programs of Drama, Comedy, Music, and News in quarter, half and full hour segments. Radio receivers had undergone the change from batteries to A.C. power. There were more than 35 companies producing at least one model of Midget or Mantle (Cathedral) sets. These included such manufacturers as Crosley, Baldwin U.S. Radio and TV, Stewart-Warner, Echophone Steinite, Travler, Simplex, Howard, etc. Many new artists and programs made their debuts: Harry Von Zell made his first appearance and later joined the Burns and Allen Show both as a performer and program announcer; "The Town Crier" show, with Alexander Woolcott; "The American School of the Air" -- an educational program; City Service Concerts, with Jessica Dragonette; "The Good News Show", with such stars as Robert Taylor, Robert Young, Frank Morgan and Franclot Tone; "Cavalcade of America" with Ethel Barrymore and Frank McIntire. Fred Allen made his debut as a guest. Who can forget that new voice on a news and Broadway gossip show that opened with the words "Good Evening Mr and Mrs America and all the Ships at Sea let's go to press--Flash! Yes it was the late great Walter Winchell with that unique rapid staccato delivery. Boake Carter became a newscaster with CBS and Lowell Thomas subbed for Floyd Gibbons and was immediately signed as a regular. Radio broadcast the arrival of the Graf Zeppelin in May of this year. Father Coughlin broadcast from the Shrine of The Little Flower, in Michigan. RCA had gained it's independence from General Electric. Short Wave Radio reached a new high. International Broadcasting and Relays became an important part in programming. A two-way radio conversation with Admiral Byrd in New Zealand was broadcast (he was enroute the South Pole). RCA took over the license of W2XBS an experimental TV station --- later this would be WNBC-TV. In spite of the economic chaos, Radio flourished and that's the way it was in 1930 --- FIFTY --- YEARS --- AGO

AUBURN - 1980



Results of the Old Equipment Contest at the I H R S - A W A meeting at Auburn:

Classic Ham Receivers

- 1st place - R. Smith "Hallicrafters SX9"
- One, two and three tube Regenerative Receivers
- 1st place - D. Barrett "Areola Sr."
- 2nd place - R. Wiese "A C Gilbert"

Crystal Sets

- 1st place - E. Taylor "Kilborn Clark"
- 2nd place - G. Rogers "Howe"

AC Receivers

- 1st place - E. Taylor "Air King"
- 2nd place - F. Heathcote "Rogers"

T R F Receivers

- 1st place - G. Rogers "Federal"
- 2nd place - R. Wiese "Radiodyne"

Superhetrodyne Receivers

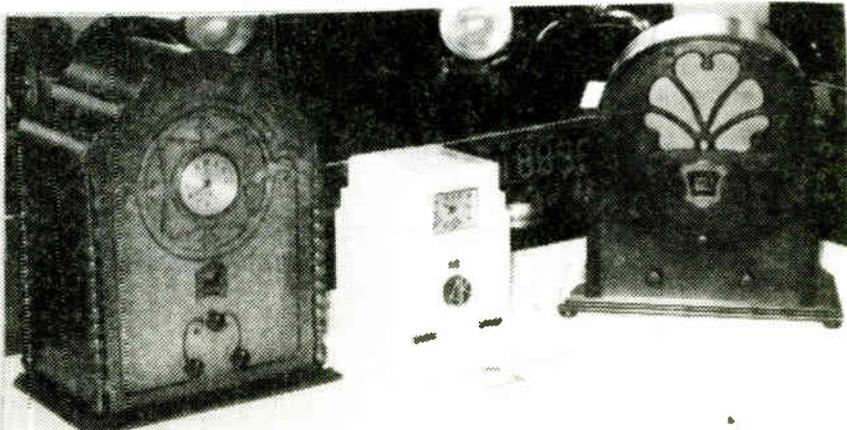
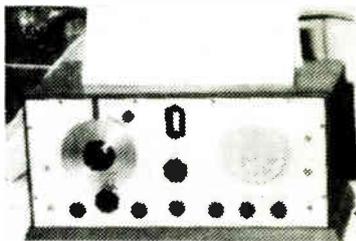
- 1st place - D. Johnston "Scott Super 10"
- 2nd place - The Clemans - "Victoreen Superhet"

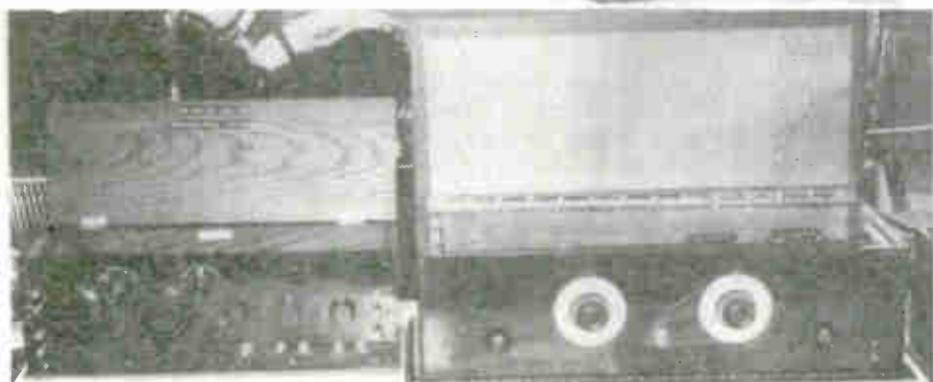
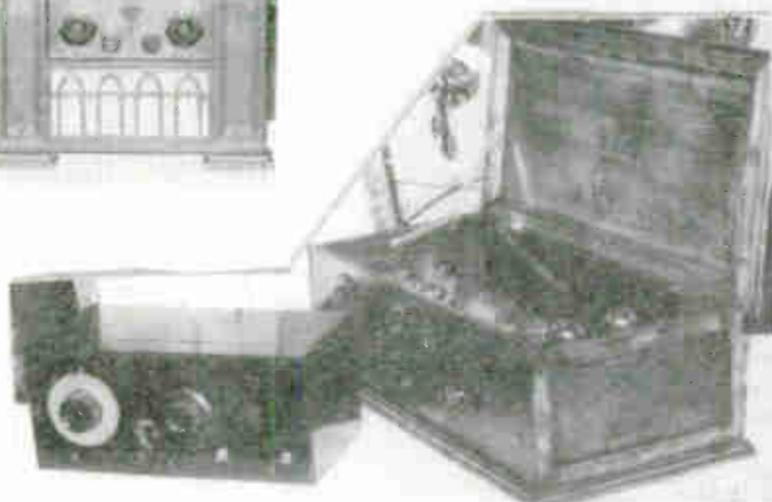
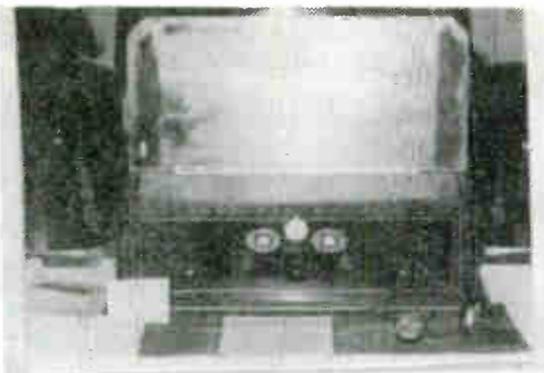
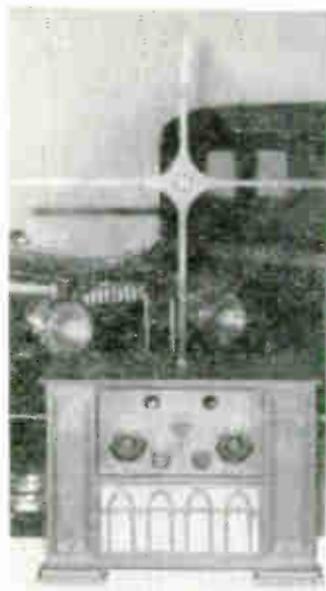
Homebrew Receivers

- 1st place - D. Barrett - "Four in Line"
- 2nd place - L. Gibbs "One Tube"

Radio Advertising and Promotional Material

- 1st place - The Clemans "DeForest"
- 2nd place - D. Barrett "A K Sign"





INDIANA HISTORICAL RADIO

The Radio Trade Directory, published by McGraw Hill, lists the following Indiana manufacturers of vacuum tube Radio Sets:

Aladdin Mfg. Co.
18th and Hackley Sts.
Muncie, IN "ALADYNE"

American Apparatus Co.
30 N. 19th St.
Richmond, IN "AMACO"

Anylite Electric Co.
Fort Wayne, IN
"KING COLE"

Better Radio Products
2625 S. Walnut St.
Muncie, IN "MELODY"

Cardinola Radio Corp.
339 N. Capitol Ave.
Indianapolis, IN

Circulex Radio Co.
Wulsin Bldg.
Indianapolis, IN

Diamond T Radio Mfg.
615 Crescent St.
South Bend, IN

Electric Machine Corp.
Indianapolis, IN
"ELMCO"

Indians Mfg & Electric Co.
Case Block
Marion, IN "CASE"

Okay Radio Corp.
Brazil, IN

Queen Quality Radio Corp.
Evansville, IN

Slagle Radio Co.
530 Masterson Ave.
Fort Wayne, IN

Thomas & Simmermann
221 Spencer Ave.
Marion, IN

Tilman Radio Corp.
Wabash, IN

United Radio & Mfg. Co.
Gary, IN

*

Combination Radio Phoograph
Sets:

Starr Piano Co
First & South A Streets
Richmond, IN

Wasmuth - Goodrich Co
(Oakdale)
Peru, IN "PHONO - RADIO"

Do you have any radios from these manufacturers? Know anything about one of the companies, it's beginnings - it's demise? Did they actually manufacture the radios or put their tag on some one elses product? Send your tidbits of information (like the King Radio ad on the following page) to the Bulletin Editor for publication.

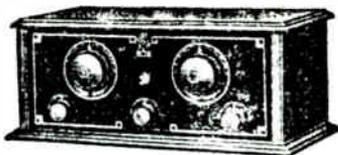


KING COLE

Radio Products

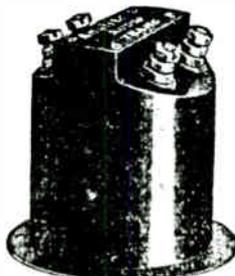
Insure
Profitable Sales
and
Satisfied Customers

King Cole
Radio Receiver
List, \$80.00



Six tube service with four tubes is the achievement of this set. Loudspeaker reception of all stations. Easily tuned and very selective. Reproduction remarkably clear and faithful.

The panels are black formica trimmed in gold, cabinets finished in brown mahogany or two-tone walnut. Console models in walnut.



King Cole Transformer
Type F-1. List \$1.00.

King Cole Type F-1 audio frequency transformers are especially designed to reproduce all music and speech as perfectly as possible. Overtones are amplified to the same degree as fundamental notes, thus bringing out the melody of the music. The Type F-2 is similar in appearance, but is of standard design and lists at \$3.50.

Other King Cole Products:

Reactance Amplifiers

Aerial Wire

Busbar Wire

Magnet Wire

Write for Complete Information

Anylite Electric Co.

Fort Wayne, Indiana

RADIOADS

SELL - Send S.A.S.E. for list of misc. radio items to be available in July. Wanted - Cabinet for AK33, also audios for Radiola DA.
G. B. Schneider, 6848 Commonwealth Blvd.
Parma Hgts, Ohio 44130

WANTED - Information on Faraway Battery Radios out of Cincinnati, Ohio. Fred C. Prohl, 7257 Murphy Dr., Indianapolis, IN 46256

Radioads are FREE to all I H R S members. Radioads and information for the September Bulletin should be submitted for printing by August 15, 1980.

RADIO PROVERBS

By PIERRE MACISAACS

Dead tubes bring no music.
Well tuned is half received.
Many tubes make loud music.
One good turn deserves a station.
A rapid turn gathers no stations.
Make haste while the tube shines.
The more wire, the less stations.
"B" batteries make the radio go
A switch in time saves nine.
Don't hide your tube under a coil.
Distance wise and tuning foolish.
One condenser does not make a radio.
Faint phones ne'er won fair station.
A letter to the singer is sufficient.
The receiver is as bad as the aerial.
It's a long aerial that has no turning.
A radio is known by the stations it gets.
A tube in hand is worth two on the floor.
A little "B" battery is a dangerous thing.
It's a wise owner that knows his own radio.
Many talk of stations who never tuned a set.
Give a man a radio and put him on a desert island.
Don't count your stations before they are tuned.
You can't teach an old battery to get new stations.
He who reckons without static must reckon again.
Take care of the tuning and the stations will take care of themselves.

NEWS NOTES

Ed Taylor and Fred Prohl directed the program for "Old Timers Night" at the Indianapolis Radio Club on April 15. Thirty four members and guests enjoyed a slide show on the A W A Museum and a talk session on early radio. There were many present who could remember those days as there were six hams present with 50 years of hamming experience.

The Indianapolis Radio Club is reputed to be oldest continuously operating radio club in the U S:

* * *

Walt Sanders recently picked up ten speakers and horns for his collection.

John Foell now has a Scott 800.

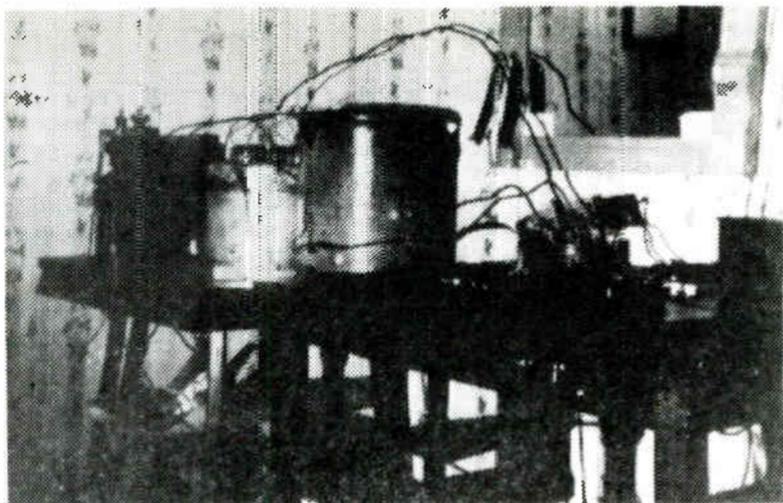
Fred Prohl aquired a nice Dictograph Horn and a homebrew battery set.

Don Johnston says he is now broke but happy with his Scott "Super 8" find.

* * *



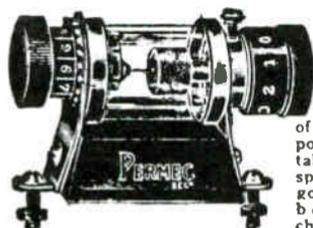
A while back George Hausske sent in this picture of his AMRAD tuner, number 3730. Looks nice George!



SHADES OF THE SPARK ERA

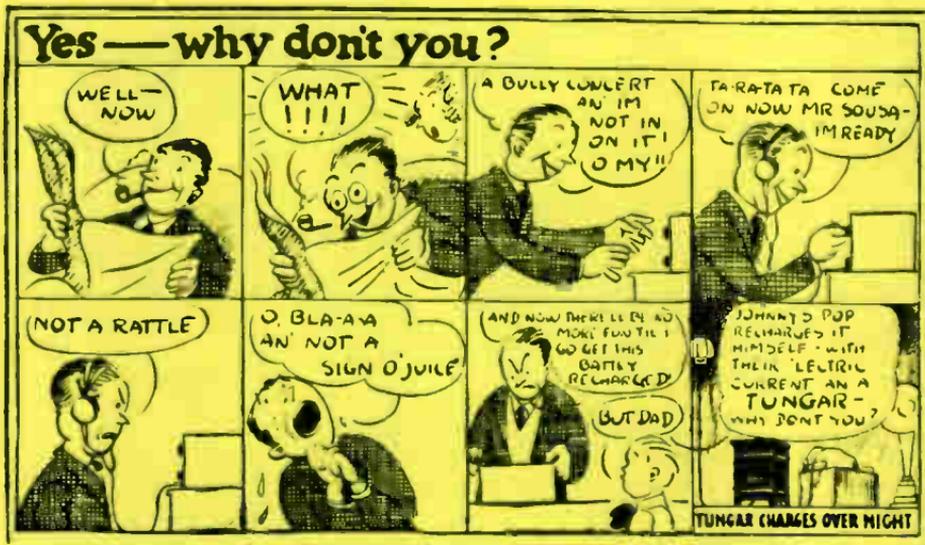
No, this is not a picture of a still in someones bedroom, but a picture of an amateur's spark set taken about 1917.

Judging from the many wires protruding from post to post over the set it looks like it might be very lethal unless handled with rubber lined kid gloves, but to the operator, Harry Miller of Goshen, Indiana, it was quite respectable for that day among young wireless operators who knew what they were doing, but were not concerned with the looks.



One of the greatest disadvantages that users have experienced with crystal detectors is the loss of the sensitive points in the crystal. If there is a spot through which good signals can be rectified, the chances are very large that it will be almost impossible to find again, once the catwhisker is displaced. The crystal detector shown in the accompanying illustration is so calibrated that once a spot is found, its position can be logged, and therefore can again be located. This is an English invention.

On the far left of the picture is what appears to be a Thordorarson transformer, then a Leyden jar condenser followed by a gallon crock made into an oil condenser, to the right of that is a Murdock #424 oscillation transformer. To the far right of the picture can be see one half of a Navy type loose coupler. There is no rotary spark gap to be seen in the foreground so it is assumed that Harry used a stationary gap. The picture was either a time exposure or perhaps taken with a powder flash - the only kind available in those days. The picture was submitted by Marshall Howenstein who was a friend of Harry Miller.



1926

STEWART-WARNER

Matched-Unit Radio

Sound Business Building-

RIGHT-ABOUT, FACE! Turn your back on haphazard radio manufacture and selling. Start sound business building with Stewart-Warner Matched-Unit Radio under the protection of the Stewart-Warner franchise.

Stewart-Warner Matched-Unit Radio is a complete line of radio sets and equipment, and includes cabinet models, console models, reproducers, tubes, aerial and ground equipment—the finest that brains and money can produce—all built to function together—an achievement in the radio industry.

Stewart-Warner Radio is distributed exclusively through our own established factory branches—there is one "within six hours of you." Dealers who can qualify receive from the branch in their territory an exclusive franchise protecting them against all the unfair trade practices of today. Price cutting, loading, unfair competition are unknown to the Stewart-Warner dealer.

In 1925 over 3000 Stewart-Warner dealers laid the foundation for a permanent success in the radio business. Operating under the Stewart-Warner franchise and aided by consistent Stewart-Warner consumer advertising, they put complete radio satisfaction into thousands and thousands of homes.

Exclusive Stewart-Warner dealer franchises are available to a limited number of dealers who can measure up to Stewart-Warner Standards and want to start Sound Business Building.

STEWART-WARNER SPEEDOMETER CORPORATION
1834 DIVERSEY PARKWAY - CHICAGO

Stewart-Warner

Instrument
plus Reproducer
plus Tubes plus
Accessories



Model 300
\$65.00



Model 325
\$80.00



Model 305
\$95.00



Model 405
Radio Table
\$22.50



Model 410
\$85.00

Console Table-mounted
with Reproducer
and Tubes. Complete
model without Radio



Model 310
\$175.00



Model 315
\$205.00



Model 320
\$450.00



Model 400
Reproducer
\$25.00



Model 405
Radio Tube
\$19.50

Radio Tube
Model S.W.
501 A
\$2.50

Prices are slightly higher
West of the Rockies

Tune in Stewart-Warner
Station WBBM, 226 Meters

Mon. - 12:30 p.m. - 6:7 p.m. Fri. - 8:10 p.m.
Tues. - 9:12 p.m. Sat. - 8:30 p.m. - 11:2 a.m.
Wed. - 8:10 p.m. - 12:1 a.m. Sun. - 6:4 p.m. - 8:10 p.m.
Thurs. - 8:10 p.m. CENTRAL STANDARD TIME

TWELVE MILLION PEOPLE ARE TODAY USING STEWART-WARNER PRODUCTS

Indiana Historical Radio Society
BULLETIN

VOLUME 16

DECEMBER 1987

NUMBER 4



Special
Holiday
Number

Wishing You a
Merry Christmas

Radio's Livest Bulletin



Preservation For Posterity

245 N. Oakland Ave., Indianapolis, IN 46201

1987 OFFICERS

PRESIDENT

Paul S. Gregg
(317) 846-3094

IHRS Business, Activities, Publicity

725 College Way
Carmel, IN 46032

VICE PRESIDENT

Erie von Grunnenstein
(317) 849-0363

Legal Matters

9318 Seascope Dr.
Indianapolis, IN 46256

SECRETARY

Charles Saxton
(317) 291-5664

Correspondence, Applications

5532 W. 25th St.
Indianapolis, IN 46224

TREASURER

Marilyn B. Johnston
(317) 945-7735

Dues, Financial, Address Change

R 1, Box 218-A
Windfall, IN 46076

HISTORIAN

Dr. Ed Taylor
(317) 638-1641

Donations, Scrapbook Material

245 N. Oakland Ave.
Indianapolis, IN 46201

EDITORS

George and Edna Clemans
(419) 352-7198

News, Articles, RADIOADS

851 W. Wooster St.
Bowling Green, OH 43402

IHRS is a NON-PROFIT organization which was founded in 1971. Annual membership dues are \$8.00 which includes first class quarterly IHRS Bulletin. RADIOADS are free to all members.

****PLEASE****

Send a stamped, self-addressed envelope
when requesting information.

*****NOTICE*****

1988 IHRS dues are now due. Send your \$8.00 check to Marilyn B. Johnston, Treasurer, Route 1, Box 218-A, Windfall, IN 46076. Membership includes four issues of the IHRS BULLETIN by First Class Mail. "For Sale" and "Wanted" RADIOADS are free. Please verify your mailing address.

NOTES FROM THE PRESIDENT

I would like to say hello and welcome to all as we enter the Indiana Historical Radio Society's seventeenth year.

Seventeen years ago, thirteen men decided that they could derive more pleasure from their hobby by sharing it with others, and thus the IHRS was formed. We now have over 240 members and always want member support in expanding this number.

For those of you who don't know me, I have been collecting old radios for about eight years now. My collecting started when I was living in Lafayette, Indiana, and I came across a black-dial Zenith floor model at a local antique shop. It did not work, so I asked around if anyone locally messed with old radios. I was given the name of an individual that many of you IHRS members know—Glen Rogers.

Glen took me into his basement to help me out with some tubes I thought I needed. There I saw several wooden boxes with black Bakelite panels and knobs of all sorts. I asked what they were, and he said they were old battery radios. I kept asking questions, and he told me about the club.

I am sure when I left that he thought that he would never see me again. Over the next several years, Glen and I became good friends, and I owe much appreciation for his time and patience in helping me with a hobby that I have been crazy about. I don't have any type of electronic background, which proves that it is not necessary to totally enjoy this hobby.

I look forward to working with the club over the next two years. Please feel free to call me or drop me a note with any new ideas which will help the club grow and prosper.

Best wishes for the remainder of 1986 and a happy holiday as we approach the new year. I look forward to seeing many of you at the Indianapolis Meet in February.

Happy Holidays!

Eric von Grimmenstein, President

"This is a Radio Christmas"

IHRS BY-LAWS

Copies of the By-Laws of the Indiana Historical Radio Society are available to members upon request to Dr. Ed Taylor, 245 North Oakland Avenue, Indianapolis, Indiana 46201. Include a large, stamped, self-addressed envelope please.

FROM THE CO-EDS

As many of you know, this is the last issue of the **Bulletin** that we will be editing. Before we sign off, however, we would like to thank the many people who have made our tenure as "Co-Eds" enjoyable. So many members have contributed material for the **Bulletin** that we have not been able to include it all. So we will pass it on to the new editor for a future issue. There have been several members, however, who have always been ready to help, and we want to mention them specifically. Ed Taylor has contributed many of our illustrations and has kept us up-to-date with his "Have You Read" feature. Del Barrett has been particularly helpful in supplying information about Indiana radio history. And, finally, Life Member Marshall Howenstein was always there with an account of his own experiences in the early days of radio. So, many thanks to you all, and let's all continue the good work in helping our new Editor, Jim Fred.

George and Edna Clemans

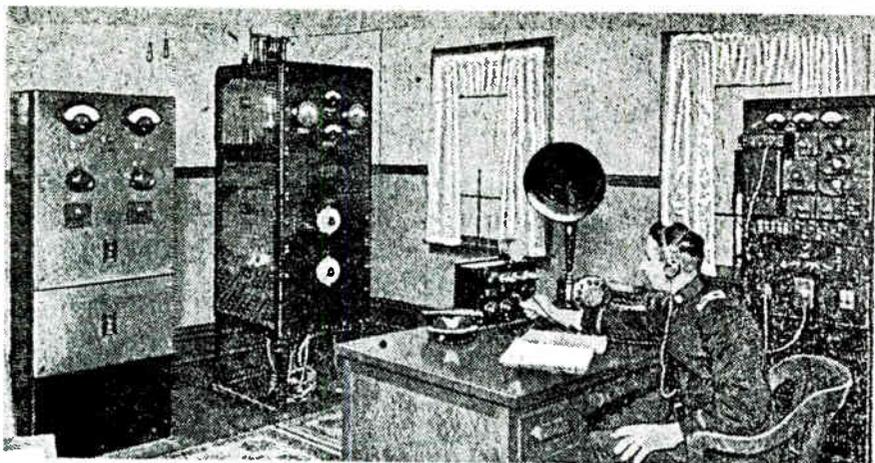


Lego Wonder Fixed Detector ★

1988 OFFICERS

Next year the Indiana Historical Radio Society will be led by the following officers, elected at the Valpo Meeting:

President	Eric von Grimmenstein
Vice President	John Foell
Secretary	Charles Saxton
Treasurer	Marilyn B. Johnston
Historian	Ed Taylor
Editor	Jim Fred



A Matter of History

In 1924 WCBD broadcasting station in Zion, Illinois, was owned and operated by the Christian Catholic Apostolic Church. The station location in Zion is about midway between Chicago and Milwaukee. The station broadcast with five kilowatts of power under its evangelist pastor, Wilbur Glenn Voliva. It is thought to have been among the first broadcasting stations in the nation devoted entirely to religious programming.

Each Sunday a five-hundred voice choir sang, accompanied by a great pipe organ. The station boasted of a band of fifty and an orchestra of forty players. Services were held in Shiloh Tabernacle. In connection with the Tabernacle there was also a soundproof studio from which musical programs were broadcast.

The author and his mother broadcast a violin solo from the station one Sunday afternoon as "Guest Artists" from Goshen, Indiana.
Marshall Howenstein



THE KODEL P-11 - A MYSTERY SET

George B. Clemans

KODEL

and

Christmas

Tune in Christmas with a KODEL

Model C-11 One-tube Receiver. The finest radio in a one-tube radio set today.



\$1000

KODEL Model C-14 Four-tube Receiver. Illustrated here, is priced at **\$322.50** (without battery cabinet, loud speaker or accessories). Full equipment can be purchased with a KODEL set at slight additional cost.

\$3250

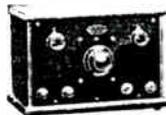
With battery compartment, **\$37.00**

Model S-1 KODEL Crystal Set. Sensitive, selective, low-priced.



\$500

Model C-12 Two-tube Receiver. A great distance utter; puts local stations on the horn; single dial tuning.



\$1800

FREE!

Write for instructive KODEL catalog, entitled "Radio for Every Purpose and Any Purse." **FREE!**

Model P-12 Two-tube Portable. (Model P-11 with amplifying tube added, which increases distance and volume many times.)

\$2250



Model C-13 Three-tube Receiver. Gives five-tube volume with only three tubes, due to reflex amplification.



\$2800

Model P-11 One-tube Portable—the Camera of Radio—Price **\$16.00** without accessories. Tube, batteries, headphones, antenna and ground wire all self-contained. Weight 4 1/2 lbs. complete.

\$1600



THIS Christmas anyone can give the best that radio offers, for KODEL radio receivers are priced so low that anybody can afford them. And they are so simple to use! Just one dial to turn, and in the stations come, near and far. Only two dials in the 3 and 4 tube sets. Santa can even bring radio to the apartment house where antennas are prohibited, for KODEL will work on ground alone—hook it to the nearest radiator!

All KODEL sets contain a unique circuit, discovered by an independent experimenter. When radio conditions are right, 1000 miles on one tube! Add tubes until the four-tube set gives you the possibility of trans-continental reception.

See the KODEL line at your dealer's. If he does not carry these marvelous sets, send us his name and address and we will send you the interesting KODEL catalog, from which you can order direct. Money returned if any KODEL set does not more than satisfy you.

DEALERS: The KODEL is a sensation wherever introduced. Write for terms.

KODEL MANUFACTURING CO.

Under the same management that made the HOMERANGER famous.

128 West Third Street, Cincinnati, Ohio



The Kodel Manufacturing Company was an early radio concern operating out of Cincinnati, Ohio. The accompanying advertisement shows their complete radio line for the year 1924. One of the most in-

MERRY CHRISTMAS

Suggestions for useful gifts to "radio bugs"



A RADIO CHRISTMAS

THE S. P. U. C. (Society for the Prevention of Useless Giving), is with us again. This time it is dealing with the matter of radio, something which is in the minds of everyone at the present time. Above, in the Radio Bug's Dream, will be seen a few suggestions for gifts.

His apparatus on hand at present must be taken into consideration so that duplicates will not be given, and in order that the recipient shall find himself in possession of material which will be of use to him in expanding his present set. If the radio enthusiast has only a crystal set, do not present him with a loud speaker (Fig. 14), or some other useless instrument. Rather, present him with a vacuum tube (Fig. 6), so that his range can be extended and in this way bring joy and happiness to his home.

To the man or boy, or for that matter, the woman, who likes to build radio sets, there are many tools (Figs. 3), which will be greatly appreciated. A litho (Fig. 8) is something desirable but usually unattainable to the average amateur. Batteries and chargers (Figs. 5 and 2) can always be used; the latter, however, only when A.C. is available. Parts (Figs. 1, 7, 9, 10 and 12) can be used for additions to present sets. The beginner would appreciate a crystal set (Fig. 11). Soldering materials (Fig. 13) are useful. A simple but welcome present is a set of vacuum tube tuses (Fig. 4). An extra pair of phones (Fig. 14) will always find favor. To our mind radio apparatus makes the best present that anyone can give to those interested in the fascinating of all hobbies.



Make it a
RADIO
X'mas!
with a
MICHIGAN
FOUR
\$150

Michigan "de Luxe" 4 tube receiver. 1st stage R.F. amplification. Built-in adjustable loud speaker. Solid mahogany case. "America's most beautiful set." MRC4, \$150



3 tube Regenerative Detector and 2 stages of amplification. The set we never could catch up on orders for last year. MRC12, \$57.50



3 tubes in handsome case with inside panel doors and compartments for batteries, headphones, etc. MRC3, \$37.50



Michigan "Midco" 2 tube regenerative long distance wonder. MRC2, \$32.50

RIGHT now, settle the question of Christmas presents. Buy a Michigan Radio receiving set.

You get more real value and satisfaction from these receivers than any others, regardless of what you pay.

Distance—with greater selectivity and simplicity of operation.

Reliability—with logging and unusual tone qualities.

And each model enclosed in a cabinet designed and made by the world's best furniture craftsmen.

Models in two, three and four tubes. Styles from \$32.50 up.

Send for illustrated folder. Ask your dealer for a demonstration.

Licensed under U. S. Patent, 1,113,149-letters pending 807,388

MICHIGAN RADIO CORPORATION

32 Pearl Street

Grand Rapids, Mich.

Cunningham RADIO TUBES

PATENT NOTICE: Cunningham tubes are covered by patents dated 2-29-12, 2-18-12, 12-29-12, 1-20-13, 10-21-12, and 11-21-12, and other pending and issued. Inventions for which an experimental right of sale is granted. All other rights reserved. Any other use without permission of Cunningham Radio Tube Co. is an infringement. Cunningham Radio Tube Co. has the right to sell its tubes in any quantity. Cunningham Radio Tube Co. has the right to sell its tubes in any quantity. Cunningham Radio Tube Co. has the right to sell its tubes in any quantity.



A. J. Cunningham Inc.

Price the same on all five types—
C-301A, C-299, C-300, C-11, C-12

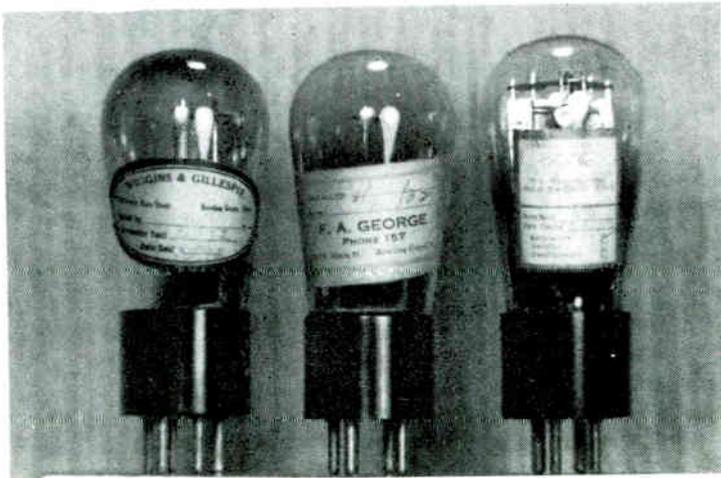
182 S
Home Office, SAN FRANCISCO CHICAGO NEW YORK



A New Radio Sub-Collection

In the early days radio repairmen, radiotricians, and radio salesmen pasted personalized paper labels on tubes they had tested or sold. These can, therefore, be a new angle on radio history in your locality. Pictured below are three such tubes from the twenties, that I have found in my town, Bowling Green, Ohio. One radio shop was actually located on the street where we live. I have also managed to come up with a selection of tubes from many of the other small towns in the area. Tube labels can be a colorful and interesting way of exploring the impact of radio where you live.

George B. Clemans

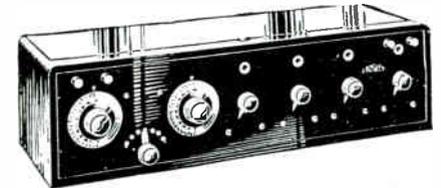


teresting of the sets is the Model P-11, a one-tube (UV-199) portable receiver, available for only \$16.00. Although I have found two of these radios, I have yet to be able to figure out HOW or WHY they work.

As noted in the ad, the set uses a "...unique circuit, discovered by an independent experimenter," but I have not found a published copy of a circuit diagram for it anywhere. I did, however, come across an article in a 1924 issue of *Radio Digest* that describes the P-11 as a non-regenerative radio receiver - surprising for a single-tube set of that time. Further information has been hard to come by.

To get more insight into the operation of the P-11, I tried to trace the circuit from the sets I have, which are identical. This was complicated by the fact that standard parts were not used. The tube socket, for instance, also serves as a fixed condenser and a coil mount, while the tuning condenser is a crude compression affair, part of which doubles as a by-pass condenser. Most confusing, however, is the fact that the aerial binding post on the front panel connects directly to the filament minus connection on the tube socket. How it ever gets to the antenna coil or to the tube grid is indeed a mystery. But somehow it must. Because in spite of all, the set actually works, although it oscillates wildly most of the time.

Since the Kodak Model P-11 was advertised as "The Camera of Radio" maybe I ought to take mine to a photographer and let him tell me how they work!



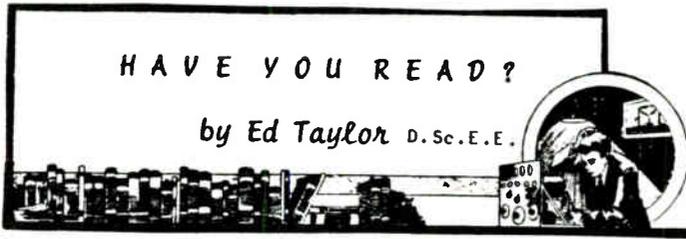
CROSLY RECEIVER MODEL N - A four tube outfit the same as shown in the above scene. It consists of Tuner, one stage of Tuned Radio Frequency Amplification (the feature that has made our instruments so popular) Detector and Two Stages of Audio Frequency Amplification in a beautiful mahogany finished cabinet. It will bring in distant stations loud and clear. Price without phones, batteries or tubes.....\$25.00

Write for catalogue
CROSLY
BETTER • COST LESS
RADIO
Department RB-12
CROSLY MANUFACTURING CO.
Cincinnati-Ohio

Congratulations ...

Ed Taylor, IHRS Historian, has won the prestigious Taylor Award from the AWA. This annual award is given at the AWA Conference to a member who has done outstanding research in the field of either television documentation or television preservation. The award is given in the memory of AWA member John P. Taylor, Vice President of RCA's commercial equipment division.

The award was given for Ed's monograph on Taylorvision and for helping others in the field of television documentation. The first winner of the Taylor Award (1985) was Kenneth McIntosh, followed by the 1986 winner, Dick Brewster. Jack Davis founded the award, and IHRS member, Ross Smith, is on the selection committee.



THE MIGHTY MUSIC BOX

by

Thomas A. DeLong 1980

The Mighty Music Box is an in-depth history of the golden age of musical radio. All kinds of music have dominated the air-waves for over 65 years. Unlimited entertainment at the twist of a dial brought the nation crooners, country/western stars, romantic balladeers, dance bands, symphony orchestras and grand opera productions. Musical shows i.e., "Your Hit Parade," "Stop The Music," "Grand Ole Opry," and many more had a positive impact on live concerts and phonograph record sales of the day.

Over 60 photographs of the stars themselves, posters, advertisements, and other ephemeral radio memorabilia are included in this 355 page hard-bound edition.

Distributed by Hastings House Publishers at \$14.95.



Our Newest Member . . .

The newest member of the IHRS is none other than Durward Kirby. Many of us will always remember his appearances on the Garry Moore TV show in the fifties and the many skits he appeared in with Carol Burnett. Kirby began his broadcasting career at WFBM in Indianapolis and got his first "big break" when he moved to WLW in Cincinnati, where he came to national attention. He is now semi-retired, doing occasional radio and television spots.

DONATIONS TO THE IHRS

Ross Smith writes that approximately seventy tubes which had been donated to the IHRS Museum Fund by Mary Dorman, Elkhart, Indiana, have been sold at a total figure of \$200. Tubes were sold at IHRS meetings in Auburn, Logansport, and Valparaiso, and at the AWA Meet in Canandaigua. The tubes originally came from the Estate of Jay Winer, W9AEB. Six transmitting tubes and six receiving tubes from the collection were placed on a mounted display in the CTS-Turner Museum located on the second floor of the CTS Corporate Building, 905 North West Blvd., in Elkhart.

John Foell informed the editors that Lynn and Jack Bickhard, Antwerp, Ohio, have donated to the radio display at the Auburn Cord Duesenberg Museum a 1936 Scott Imperial All-Wave (23 tubes). The set is in extremely good condition and should be easily restored. It was donated in the memory of Amos L. Bickhard by his sons.

A LETTER TO THE CO-EDS

October 7, 1987

Dear George and Edna,

You sure called the shot with that earthquake story in the IHRS **Bulletin** (September 1987). Culver City got a pretty good shaking in our recent quake.

Let's see if you can predict the next killer storm, explosion, or whatever. I'll be watching the **Bulletin**, so I'll know where not to go!

Seriously, I think the **Bulletin's** striking a good balance for the newer generation of historical radio bugs. We old "hardware guys" have to make room for the more "total" historians.

Morgan E. McMahon
26356 Eastview Ct.
San Juan Capistrano, CA 92675

EDITOR'S NOTE: Morgan, we could say something about swallows, but we believe we'll get out of the prediction business, as well as the editing business, for a little bit. Thanks for your kind words.

FROM THE MAILBAG

In response to last issue's list of "Tube Equivalents from the Military," James W. Grant has made available to your editors a "Cross Index of Army VT Numbers and Commercial Numbers." Send a self-addressed STAMPED envelope (legal size) to the editors at 851 W. Wooster Street, Bowling Green, Ohio 43402, and we will send you a copy.

Bart Bartuszevige has for sale a World War II Japanese field radio. Both a receiver and transmitter, it is in working condition with some spare parts. Contact him at (517) 288-3237 or write him at 9510 South Durand Road, Durand, MI 48429.



OBITUARY

Word was received that Sarkes Tarzian, 87, of Bloomington, Indiana, founder and chairman of the board of Sarkes Tarzian, Inc., died recently. His corporation manufactured television tuners and selenium rectifiers. He had come to the United States in 1907 at the age of seven. He graduated from the University of Pennsylvania in 1923 and immediately went to work for Atwater Kent. He soon became chief product design engineer and stayed with the Kent company until 1936 when Kent closed his doors forever. Tarzian then joined RCA, working first in Argentina. In 1940 RCA brought him to Bloomington. He became chief engineer and product manager in the manufacture of a proximity fuse.

Sarkes Tarzian, Inc., was begun in 1944 with only four employees, but it grew to more than 2,000 in Bloomington, where it operated until the late 1970's. Tarzian's first television station was WTTV Channel 4 with studios in Bloomington and Indianapolis. It was sold in 1977 for \$28 million. From 1964 to 1984 Tarzian owned and operated WAT1-AM. The following stations are owned and operated by Sarkes Tarzian, Inc., of which Mr. Tarzian was chairman of the board: WTTS-FM and WGTC-AM, Bloomington; WAJI-FM, Fort Wayne; KTVN-TV, Reno, Nevada; and WRCB-TV, Chattanooga, Tennessee.

RADIOADS

FOR SALE: Very nice Tuska Superdyne Jr., \$250; Stromberg Carlson Model 635 Treasure Chest, also nice, \$60. Must be picked up or I can deliver to next meet. George Hausske, 1922 East Indiana Street, Wheaton, IL 60187. (312) 668-3845.

TRANSFORMER REWINDING SERVICE: Send a SASE for information to Peter Yanczer, 835 Bricken, St. Louis, MO 63122.

WANTED: Plug-in coils for National SW3 and manual, operational manual for Heathkit Impedance Bridge Model 18-2A, new Crosley Pup, 4-tube superhet in metal cabinet 7x12x7 made in 1931-32, Philco ABC Battery Eliminator, has storage battery (A) glass with trickler charger, electrolytic rectifier for B. and C battery for C bias, Radio Receptor Company Battery Eliminator, known as "Powerizer" used as a conversion from 201A to 220 and 227 tubes (has 210 power amplifier and 80 rectifier, was used on receivers such as the AK35 and Radiola 20, etc.), copy of manual for a "Sky Buddy," and a source of black crackle or wrinkle paint. Tad Drogoski, 507 Coal Valley Road, Clairton, PA 15025.



The Greater
NEUTRODYNE
EAGLE
★ *Balanced Receiver*

"My Choice this Christmas"

THE LOG OF THE IHRS

Indiana is on Eastern Standard Time.

SUNDAY, February 21, 1988: The next meeting of the Indiana Historical Radio Society will be held in Indianapolis at the Sherwood, 6500 South Emerson Avenue. The mid-winter swap meet and flea market open at 9:30 A.M. EST. A roast beef Manhattan lunch (with salad and beverage) will be served at noon. There will be a registration fee of \$1.00 per person collected when you arrive. Your meal, of course, will be extra. At 1:00 P.M. there will be a short business meeting. Please bring suggestions and comments for location of summer meet.

We have plenty of space for set-up. Bring your good, bad, new and old radios to keep those goods moving through our Society.

Contest categories will be the following:

- I Crystal sets
- II One tube battery sets
- III Horn or unusual speakers
- IV Cathedral or mantle radios

Let's all make an effort...blow off the dust and bring in those prize radios for the contest! If you have questions concerning Indianapolis weather or road conditions, phone Eric von Grunnenstein (317) 849-0563.

NOTE SUNDAY, NOT SATURDAY, MEETING DATE!

FRIDAY AND SATURDAY, April 22 and 23, 1988: Annual AWA-IHRS Spring Meet, Americas Plaza, I-69 and Indiana 14 in Fort Wayne. Exit 105 on I-69, on the west side of the city. There are two restaurants, guest rooms, and meeting room all in the same building. There is a parking lot for flea market activities not more than 200 feet from the main building. Weekend special room rates with up to four people - \$34.50. The toll free number to call is 1-800-645-7363. Additional meeting information will be in the next Bulletin.

NOTE NEW FORT WAYNE LOCATION FOR SPRING MEET!

MAN-MADE S-T-A-T-I-C

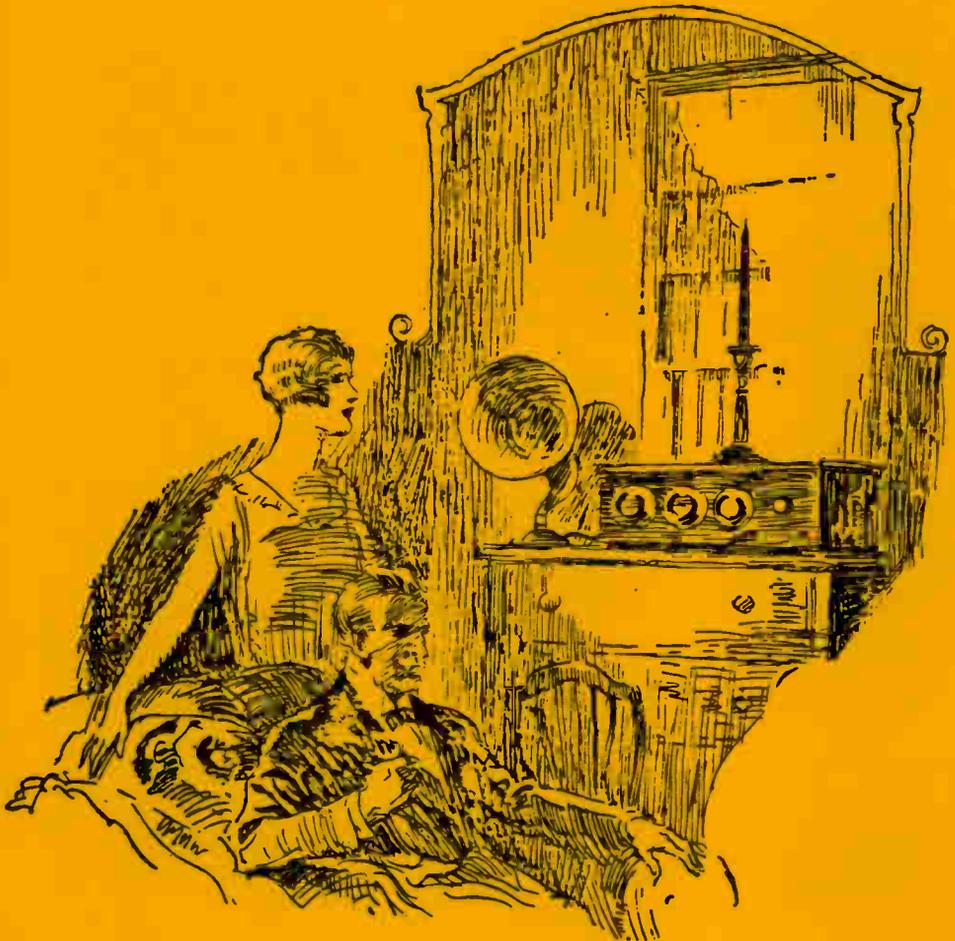


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FOR INFORMATION WRITE TO:

- 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. (1980 I H R S membership dues are \$6.00.)
- 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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