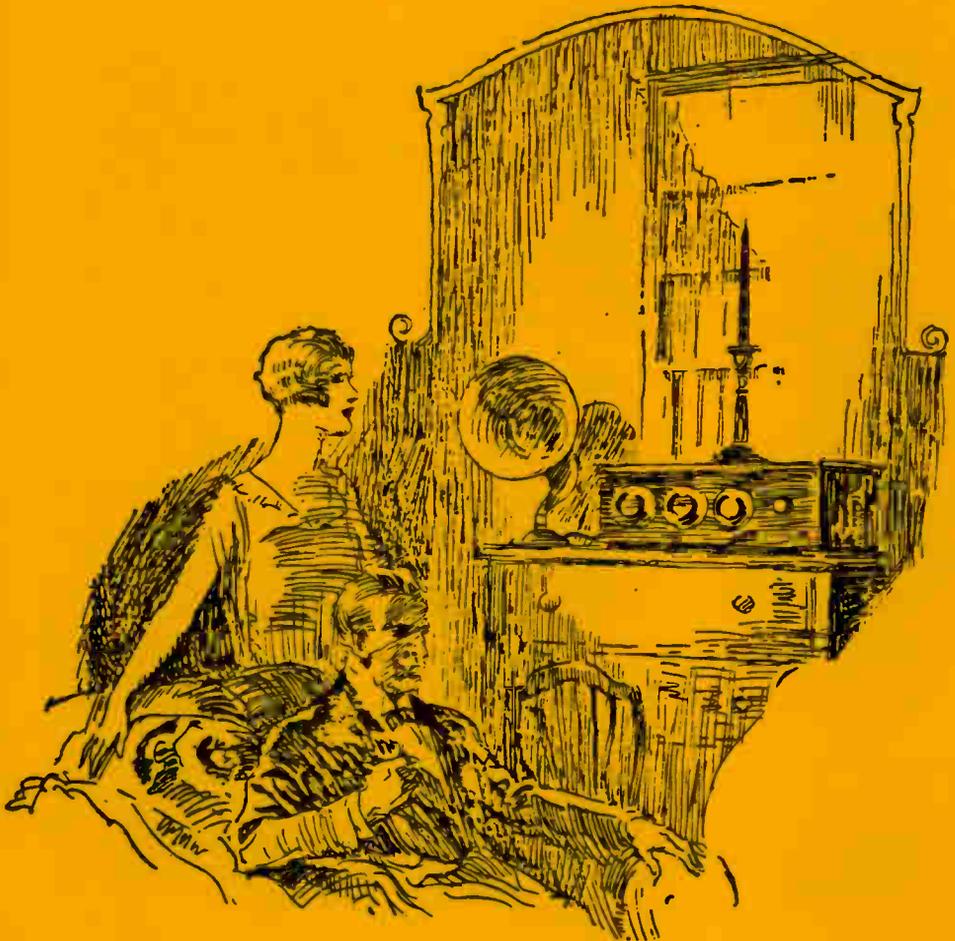


Indiana Historical Radio Society
BULLETIN

Vol. 9

March, 1980

No. 1





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- 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.

FROM THE PRESIDENT

We Hoosiers are looking forward to welcoming all of you to the Fourth-Annual Auburn AWA-IHRS Meeting -- April 18 and 19, 1980. Del Barrett, our "Man IN Charge" at the ACD Museum -- where the meeting will be held -- has promised it will be the "best yet". The Arrangements Committee promises an interesting and enjoyable program.

You have a pleasant surprise in store, if you will be attending for the first time. Our museum is located on the second floor of the Auburn Cord Duesenberg Museum. You will see some of the world's finest classic cars and automotive memorabilia, besides enjoying our museum.

The town of Auburn is accustomed to a lot of 'company', as a result of this international attraction, and I believe you will find Hoosier Hospitality in evidence.

Plan to meet your friends and make some new ones at our hospitallit room in the Star-Lite Motel, on Highway 8, Auburn IN. Come visit for a while -- before and after the evening program -- on Friday, April 18.

Don Johnston, President
February 29, 1980


The OGDEN WIRELESS LABORATORIES
THE O.W.L. RHEOSTAT

I H R S 1980 MEETING SCHEDULE

APRIL 19, 1980 - A C D Museum, Auburn Indiana. Program for the meeting is in this Bulletin.

July 12, 1980 - Riverside Park Pavillion, Logansport, Indiana.
Time - 9:00 AM to 4:00 PM.

Swap and Sell from your car or from tables in the Pavillion.
Antique Radio Contest - Every one votes for their favorite.
Bring the family. Everyone is asked to bring a carry in dish. Charcoal grills and lots of picnic tables are in the area.

More meeting details and specific directions will be in the June Bulletin.

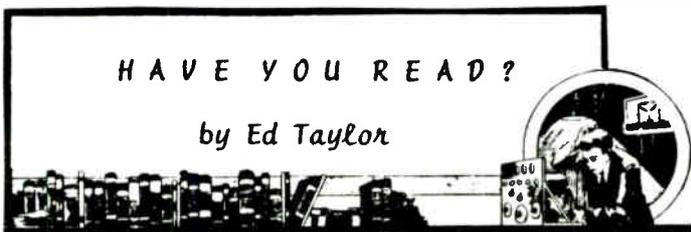
Fall, 1980 - Terre Haute, Indiana.



Joe Sweeney, owner of WROI - FM Station in Rochester IN, is recuperating from a heart attack, which he suffered last December. Joe's friends send best wishes for a speedy recovery. We're looking forward to seeing Joe and his wife, Pat, at the Auburn meeting. The meeting will be fine therapy for any illness.

HAVE YOU READ?

by Ed Taylor



Magic Dials

*The Story of Radio and Television by
Lowell Thomas · Illustrated by Anton Bruchl*

The purpose of this book, in picture and text, is to give a glimpse into the twenty years of RADIO from 1919 to 1939. In 1919 RADIO was chiefly wireless telegraphy - crackling through the ether in dots and dashes of code. In 1939 RADIO was an instrument for tuning in the world by a flick of a knob or the click of a button.

Twenty years from crystal sets to television !

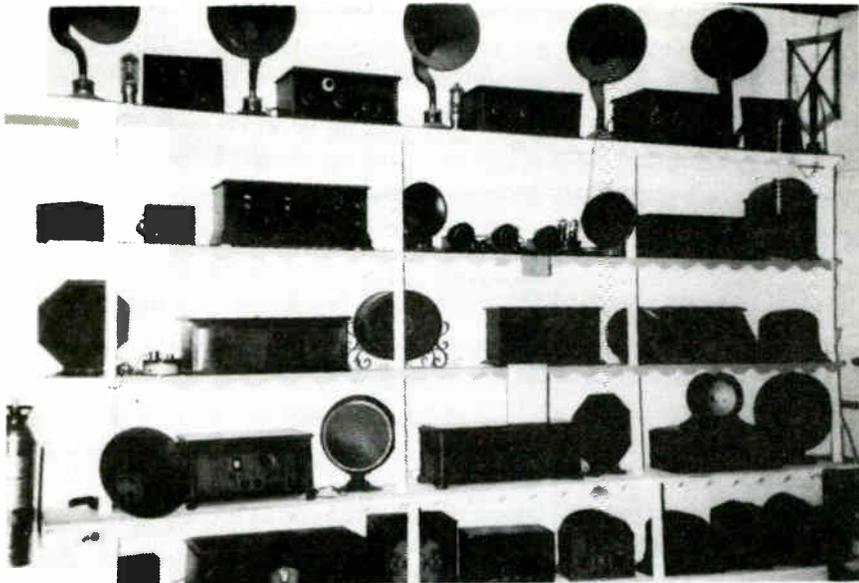
Twenty years from the amateur catching a word or two through his earphones to the family hearing- and seeing- a drama or ballgame on the home television screen.

Twenty years of fantastic adventures among atoms, electrons and ions, of chemical enchantment and mechanical wizardry.

This beautiful book is large 9" X 12" format with over 50 full page illustrations, many in color.

Published in 1939.





In the summer of 1971 Marshall and Helen Howenstein took a trip west. It was in Virginia City, Nev. that they visited a museum and the thing that took Marshall's eye was this display of antique radios. Although the picture is small can you identify any of the receivers and speakers?

**WAVELAND
RADIO CO.**

**Don't Waver—Write Waveland
What's In A Name?**

Some of the best products in the world have been builded around a name. And to the user that name spells the best quality, the best service and the most satisfaction at the least cost.

The name *WAVELAND* has no reputation yet among "Radiolites," but we will build that reputation because we will deliver to our customers the best in *RADIO* products that their money can buy. We solicit your inquiries on all things pertaining to Radio.

WAVELAND RADIO CO., 1348 N. Clark St., Chicago, Ill.

★ ★ RADIOADS ★ ★

WANTED - Chassis for 1931 Jackson Bell model 84, Peter Pan model 25A or 25U will also fit. R. K. Goodlive, 1401 Franchere Pl., Sunnyvale, Calif. 94087

WANTED - Remler Infradyne, Silver Marshall "Round the World 4", Power Supply for the National FB-7, Melo Heald Hot-Spot Fourteen, Tryman Superhet, and Selectone coils w/top terminals. Cash or trade. Will be at Auburn.
Don K. Johnston, R.1, Box 218-A, Windfall, IN 46076
(317)945-7735

WANTED - Three tube Sonatron Audio Amplifier. G. B. Schneider, 6848 Commonwealth Blvd., Parma Hgts., Ohio 44130

WANTED - Gernsback Manuals No.1 - also Rider Manuals No.1 - Allied Radio Builders Handbook. Radio Up To The Minute, a book by Arthur J. Nilson, a member of Institute of Radio Eng. and principal of west side YMCA, Radio Institute, New York. Hugo Castelli, 1406 E 5th Ave., Joliet, Ill 60433

FOR SALE - Hundreds of old books and magazines on the subject of radio. Send a large SASE to Peter Yanzer, 835 Bricken Pl., St Louis, MO 63122

WANTED - National SW-3 and SW-5 Receivers. Volume control knob and chart frame for FB-7. Paul Gregg, 725 College Way, Carmel, IN 46032

SERVICE - I have the first 18 volumes of Riders Troubleshooting Manuals, some of the Gernsbacks and all of the early Bietman books. I also repair the older radios as a hobby. If any members need schematics of technical help, I'd be glad to try and help them out. Please send your request along with a SASE to: Lawrence T. Anderson, 3453 Balsam NE, Grand Rapids, MI 49505

WANTED - Early table model A C receivers. The type where the tube filament wires attach to the sides or top. Trade or buy. John Caperton, 3114 Boxhill Ct., Louisville, KY 40222

WANTED - Crystal Sets, commercially made. Will buy or trade if necessary. Richard Gagnon, K8ARD, 5725 Becker Dr., Rochester, MI 48063

WANTED - Riders Manuals IV, V, VI, VII, VIII, and index for volume XIII. Also want junker sets for restoration.
David T. McKenzie, KOSVJ, 170 West 53rd St., Hialeah, Florida 33012 (305)558-8324

What a Receiving Set Brings to You



There are many people who look upon Radio as something indefinite and feel that a receiving set is a sort of plaything for a small boy.

True, the small boy was among the first to become generally interested in it and there are many youths in the country who are expert Radio mechanics, but in the last two months Radio has established its place.

The variety of things to be gathered out of the air is so great that any one can pick up something to interest him at almost any time. During the past week we have "picked up" on a Hatfield set, within an hour, a Glee Club singing in Pittsburgh; a Lecture at Schenectady, New York; a wonderful Orchestra playing in Detroit; a Concert in Chicago; News Bulletins from Cincinnati; Extracts from the Play "Rip Van Winkle," being given in Newark, N. J.; a Lecture from Madison, Wisconsin, and music from Denver, Colorado.

Beside the entertainment to be derived from a receiving set there is the tremendous educational value. Famous scientists are broadcasting lectures on various subjects, the country's best musicians are broadcasting their concerts and up-to-the-minute news is sent out at regular intervals.

Market reports are sent out all during the day. The farmer or banker with a receiving set can be in constant touch with the grain and cattle quotations or the bond market.

The world is knocking at the door of the owner of a receiving set and the air is full of messages for him.

If you have a friend who is interested in Radio, who would like to receive "The Broadcaster," please fill out the coupon below and mail it to us.

HATFIELD RADIO STUDIO

531 North Meridian Street
INDIANAPOLIS, IND.

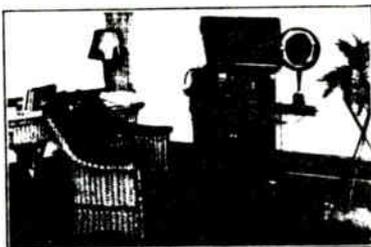
Please send *The Broadcaster* to:

Name _____

Street Address _____

City _____

State _____



The Hatfield Set

The Latest List of Broadcasting Stations ATLANTIC SEABOARD STATES

Call Letters	Station	Controlled by
W J Z	Newark, N. J.	Westinghouse Co.
W N O	Jersey City, N. J.	Wireless Telephone Co.
W J A	New York, N. Y.	DeForest Radio Company
W D T	New York, N. Y.	Schloppers Radio Service
W C J	New Haven, Conn.	A. C. Gilbert Co.
W Q B	Hartford, Conn.	C. D. Tuoka Co.
W R Z	Springfield, Mass.	Westinghouse Company
W G I	Medford Hillside, Mass.	American Radio Research Co.
W D N	Washington, D. C.	Church of the Covenant
W D W	Washington, D. C.	Radio Construction Co.
W J H	Washington, D. C.	White & Boyer Company
4 C D	Atlanta, Ga.	Carter Electric Company

MIDDLE WESTERN STATES

K D K A	Pittsburgh, Pa.	Westinghouse Company
W P B	Pittsburgh, Pa.	Newspaper Printing Co.
W E K	Indianapolis, Ind.	F. J. Hamilton
W O H	Indianapolis, Ind.	Hatfield Electric Co.
W D Z	Toledo, O.	Marshall Gerken Co.
W M H	Cincinnati, O.	Precision Equipment Co.
W B L	Detroit, Mich.	Detroit News
K Y W	Chicago, Ill.	Westinghouse Company
W H A	Madison, Wis.	University of Wisconsin
W D U	Omaha, Neb.	R. B. Howell
W L B	Minneapolis, Minn.	University of Wisconsin
B Z A B	Kansas City, Mo.	Western Radio Company
B Y Z	Lincoln, Neb.	State University
W F O	Dayton, O.	Wright Fuller Co.

MOUNTAIN STATES

K I Z	Denver, Col.	Rocky Mountain News
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PACIFIC STATES

K L B	Los Altos, Cal.	Colin B. Kennedy Co.
K L B	Pasadena, Cal.	J. J. Hunn & Co.
K Q L	Los Angeles, Cal.	Arno A. Kluge
K Y J	Los Angeles, Cal.	Leo J. Meyberg Co.
K Z C	Los Angeles, Cal.	Western Radio Electric Co.
K G C	Hollywood, Cal.	Electric Lighting Co.
K Z M	Oakland, Cal.	Treston D. Allen
K Z Y	Oakland, Cal.	Atlantic & Pacific Radio Sup.
K V U	Sacramento, Cal.	J. C. Hohrecht
K D N	San Francisco, Cal.	Leo Meyberg Co.
K O B	San Francisco, Cal.	Edwin L. Lorden
K Y Y	San Francisco, Cal.	Radio Telephone Co.
K Q W	San Jose, Cal.	Charles D. Herrold
K J A	Stockton, Cal.	C. O. Gould
K W G	Stockton, Cal.	Portable Wireless Tele. Co.
K J J	Spokane, Wash.	The Radio Shop
K F C	Seattle, Wash.	Northern Radio Electric Co.

GULF STATES

W B B	Dallas, Tex.	Police Department
S Z U	Austin, Tex.	State University

THE ANTIQUE WIRELESS ASSOCIATION
REGIONAL CONFERENCE
AND
THE INDIANA HISTORICAL RADIO SOCIETY
SPRING MEET



Let's Go

Program

FRIDAY EVENING, APRIL 18

- 6:00 PM Early Registration and Museum Displays.
- 7:30 PM "Old Time Movie"

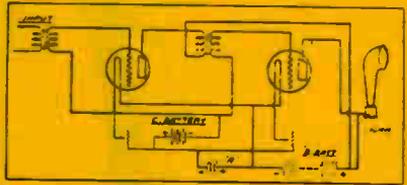
SATURDAY, APRIL 19

SWAP

- 9:00 AM Registration.
OUT DOOR SWAP MEET in the South Parking Lot.
- 10:00 AM Register equipment for the afternoon auction.
Register items for the OLD EQUIPMENT CONTEST.
(Both must be registered by 12:00 noon)
- 10:45 AM AUCTION OF DONATED ITEMS FOR THE MUSEUM FUND.
Bring your surplus parts and equipment - your chance to move them along for a good cause.

AUCTION

- 1:00 PM AUCTION OF PERSONAL EQUIPMENT. A 10% donation is asked for the I H R S Museum Fund.
- 4:00 PM Contest Judging, Jerry Hueber, Chairman.
(See the following page for the contest classifications.)
- 4:00 PM The Battery Radio Of The 20's.
An open discussion on battery radio circuits, lead by Fred Prohl.
Includes circuit theory, common problems and trouble-shooting techniques.



- 7:00 PM BANQUET
OLD EQUIPMENT CONTEST AWARDS
Program, courtesy of A W A - " TRIALS AND TRIBULATIONS OF LAYING AN ATLANTIC SUBMARINE CABLE".
A rare historical movie made over 50 years ago showing the perils and risks in placing a cable under the Atlantic Ocean. Has modern sound track.

BANQUET



PRE-REGISTER FOR THE MEETING

Banquet reservations with full payment must be received by April 15, 1980.

Banquet ticket and admission to Museum - \$11.00 each.
Adult admission at the door - - - - - 2.00 each.
Student or child admission at the door - 1.00 each.

Mail your registration check (payable to I H R S) to:
Ross Smith, 1133 Strong, Elkhart, IN 46514

OLD EQUIPMENT CONTEST

OLD EQUIPMENT CLASSIFICATIONS

1. Early Ham Transmitters
2. Classic Ham Receivers
3. One, two and three tube Regenerative Receivers
4. Crystal Sets
5. A.C. Receivers
6. T.R.F. Receivers
7. Classic Broadcast Receivers
8. Superheterodyne Receivers, battery operated
9. Homebrew Receivers
10. Radio Advertising and Promotional Material



Judging criteria will be: Historical Significance,
Uniqueness and Rarity,
Quality of Restoration and
Supporting Documentation.

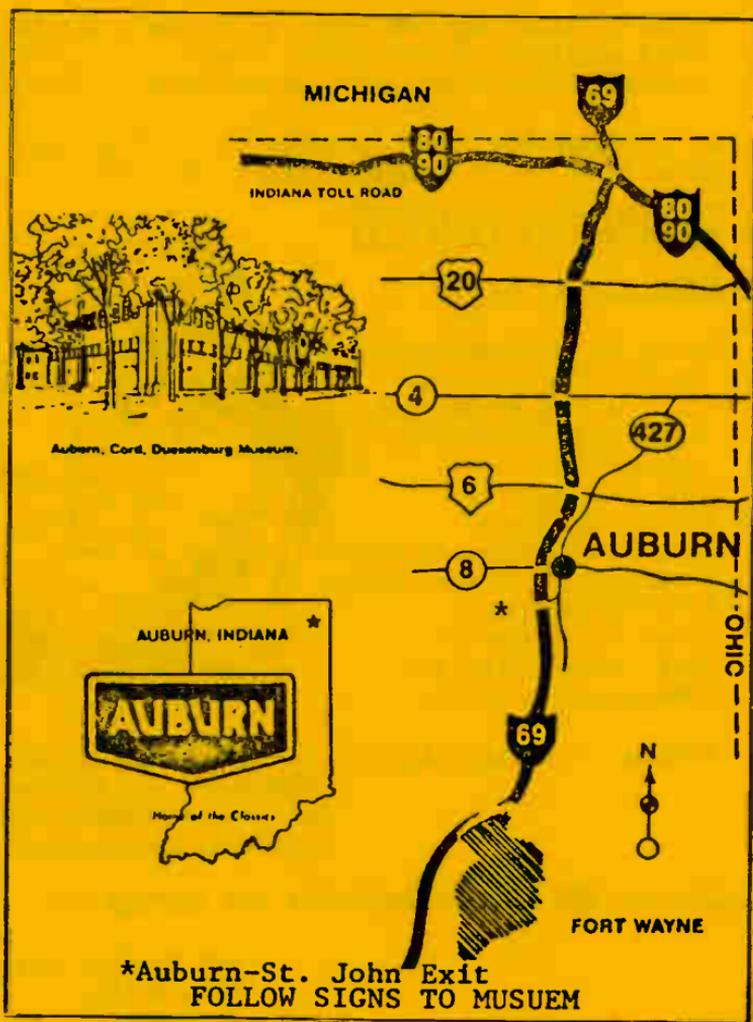
WE ARE EXPECTING THE LARGEST SWAP MEET AND AUCTION YET ! ! !

Del Barrett and
Ross Smith,
Co-Chairmen



Indiana's *Auburn-Cord-Duesenberg* Museum

AUBURN, INDIANA 46706



MAKE MOTEL RESERVATIONS NOW!

L. K. Motel, I-65 & US 27, Auburn, Indiana 46706
Phone 1-800/447-4470

Star-Lite Motel, 936 West 7th St., Auburn, Indiana 46707
Phone 1-219/925-0500



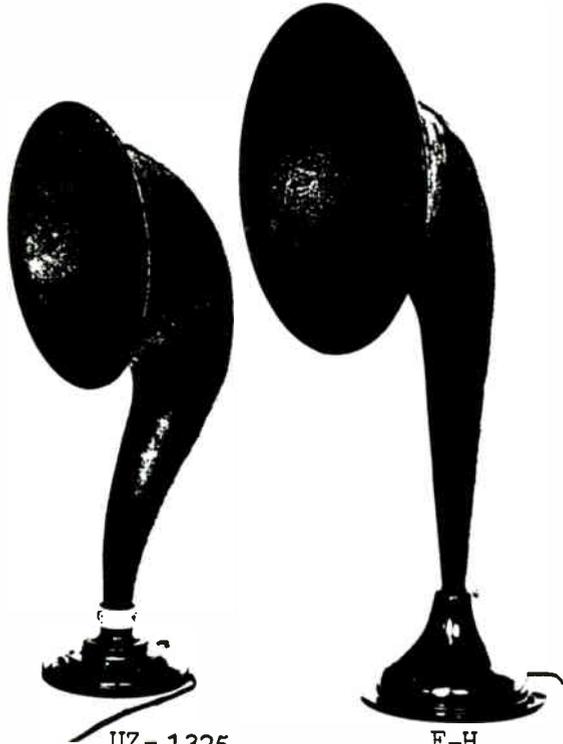
The ORCHESTRION De-Luxe
Manufactured by the Radio Cabinet Company
Indianapolis, Indiana

A picture of an Orchestrion De-Luxe speaker and an ad appeared in the July, 1978 issue of the IHRS Bulletin. The one pictured here is the only Orchestrion I've seen with a grill cloth (I've only seen one other speaker of any make with a grill cloth). The grill was inserted during manufacture since it fits into a recess between the bell and gooseneck. The Orchestrion was advertised as producing super reproduction because of its bent wood tone arm. This was in reference to the construction of the gooseneck which was a lamination of strips of wood cheese cloth, and mastic, much as in forming a paper mache figure. The outside is covered with a rough mastic and painted.

The base was turned from maple in two pieces. Some models joined the pieces with glue while others were threaded and screwed together. Some bases were thicker at the bottom than others.

The wood bell is exquisitely composed of 24 strips of fine wood with a white plastic containing ring fitted into a slot in the outer edge.

Walt Sanders



UZ-1325

F-H

Radiola Horns

I was never much interested in Radiola horns, until I bought this FH. I had thought that since the FH wasn't often advertised, it must have been the first Radiola horn, followed by the UZ1320 and later the UZ1325. To judge from the ads I've found, though, the FH and UZ1320 were both available at the same time.

The UZ1320 first shows up in Radio News for October 1923, while the first mention of the FH I've seen is in the New York Sun for December 15, 1923. By March 1924, when the new line of Radiolas appeared, both horns were offered at the same price. Because of this, and because the FH was pictured with the Westinghouse sets while the UZ1320 was shown with the Radiola Superheterodyne from GE, I assume that GE made the UZ1320. There is no question about the FH, which has a Westinghouse style FL driver inside.

Most FHs have a decal on the base, and felt on the bottom, but this one has three rubber feet and never had a decal. It is pictured with a UZ1325 for comparison. The UZ1325 first shows up (in the magazines I've seen) in Wireless Age for August 1924, p.25.

Alan Douglas



CONTINENTAL

"New York's Leading Radio House"

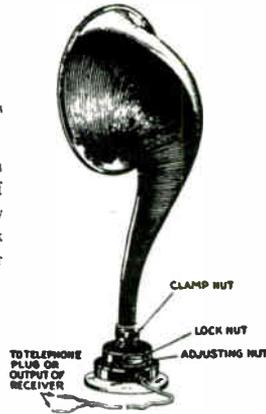
Radiola Loud Speaker

UZ-1320 reproduces broadcasted programs with clear and undistorted tones.

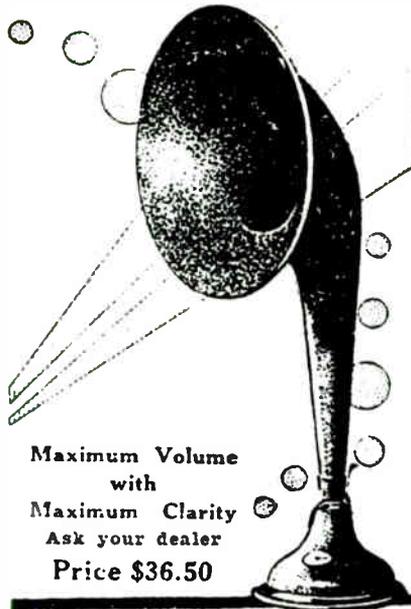
The magnetic system, the shape of the horn and the material of which it is made are of the very best. Mechanically this unit is very ruggedly built. The finish is of a dull black with a felt base. The bell is $12\frac{1}{4}$ " in diameter and the height is $26\frac{1}{2}$ ".

One adjustment is provided for securing maximum efficiency on different values of signal strength.

UZ-1320 LIST PRICE, \$36.50.

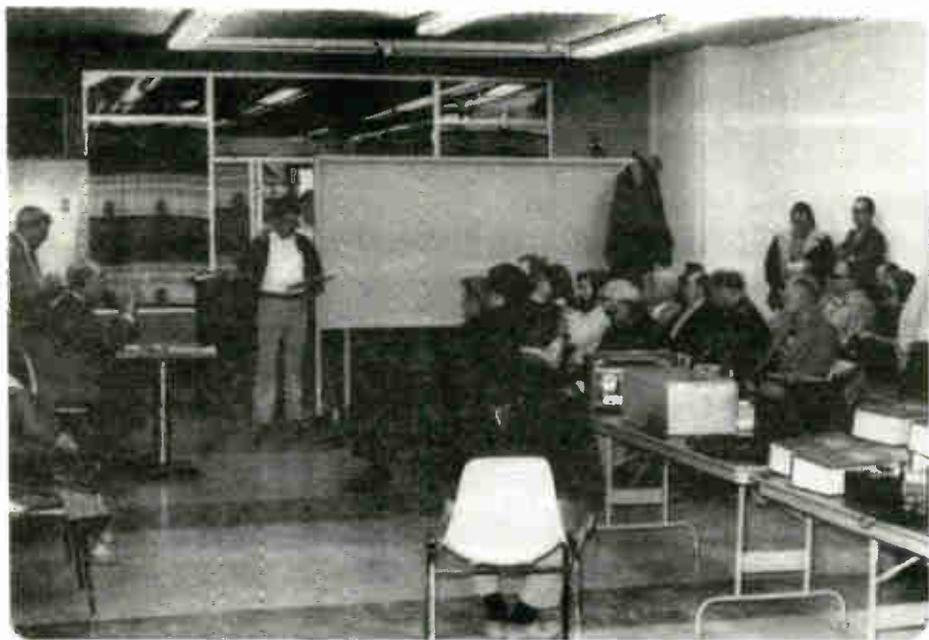


CONTINENTAL RADIO and ELECTRIC CORPORATION
SIX and FIFTEEN WARREN STREET, NEW YORK, U. S.

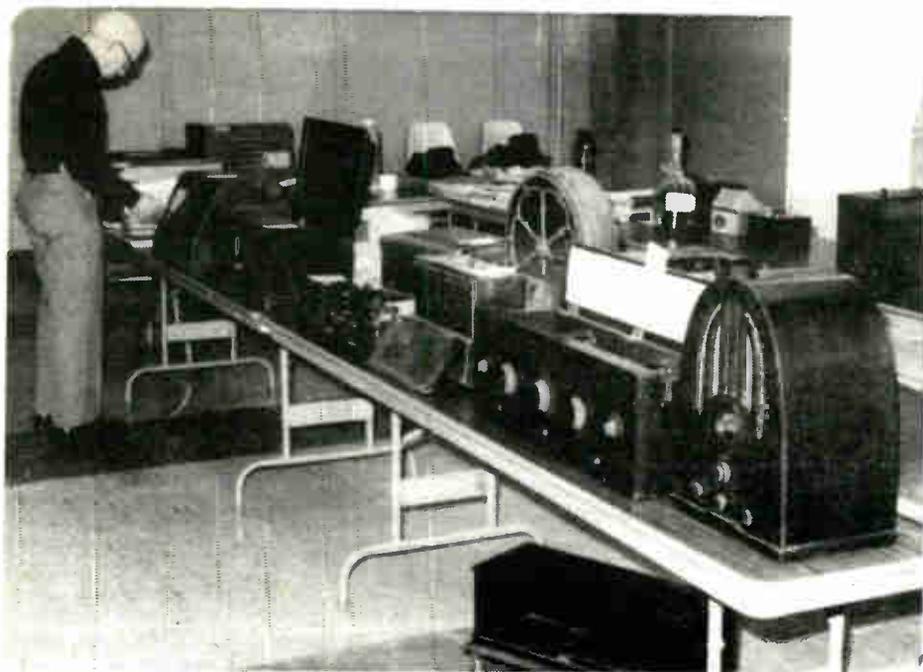


Maximum Volume
with
Maximum Clarity
Ask your dealer
Price \$36.50

Radiola
Loudspeaker
TYPE F-H

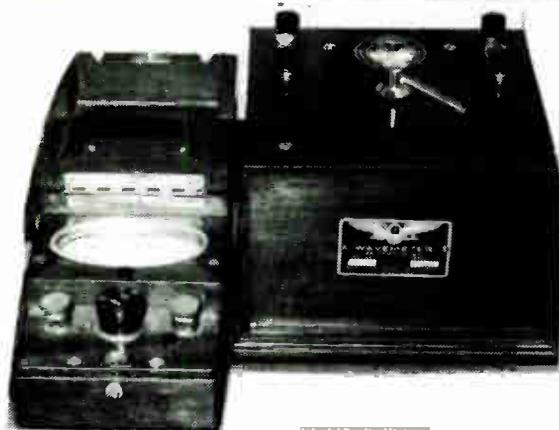
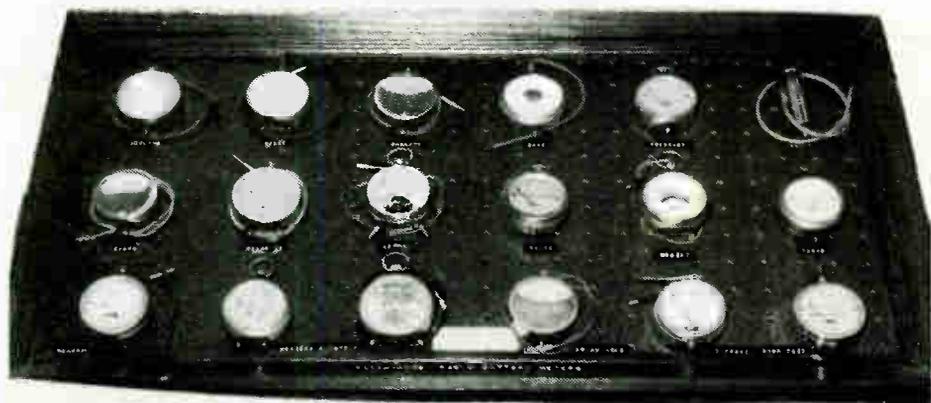


THE I H R S WINTER MEETING - INDIANAPOLIS





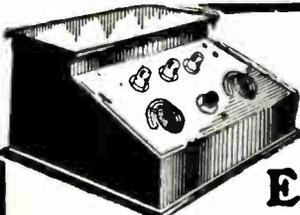
TEST EQUIPMENT ON DISPLAY AT INDIANAPOLIS



TENACIOUS TECH TIP ? ? ?

Try an old fashioned 100% pure lambswool duster to keep your precious radio collection sparkling. It cleans, attracts and holds dust without scratching. Just whisk it over the top and front of your sets. It quickly dusts over and around knobs and dials with ease. The feather dusters seem to leave particles on the surface. Not so with the lambswool duster which is mounted on a plastic-covered wood handle. Duster, about 20", long is available from the Brookstone Co., 5 Vose Farm Rd., Peterborough, NH 03458. If interested, be sure to order item I-4283-39 at \$5.50 postpaid.

Ed Taylor

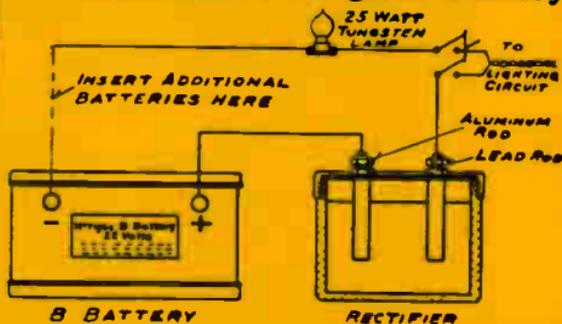


The
EAGLET
3 Tube Dry Cell
NEUTRODYNE
\$75 The World's
Greatest Popular
Priced Set
Manufactured and Guaranteed by
EAGLE RADIO COMPANY
Makers of
The Famous Models A and B
EAGLE NEUTRODYNE
RECEIVERS
Your protection for
quality and unparalleled
VALUE
Ask the Dealer—He Knows
EAGLE RADIO COMPANY
28 Boyden Place Newark, N. J.



We recently lost a loyal and dedicated member. Mike White, an Ohio member, died. Mike was a quiet, friendly person, who will be sorely missed by all of us.

The McTighe Storage B Battery



The McTighe Storage "B" Battery is of the alkaline type, is the most satisfactory source of plate potential, and can be charged from your lighting circuit for less than one cent. Can also be charged from farm lighting systems. In ordinary service a one hour charge will last for several weeks.

The Battery is furnished in a 24 volt unit in an attractive case.

It is noiseless, and cannot be injured by accidental short circuit, overcharging or by standing idle.

Descriptive Leaflet on request

PRICES

Battery	\$4.00
Rectifier	1.50
Rubber Filler25

F. O. B. Irwin, Pa.

ECONOMIC APPLIANCE COMPANY

Successor to

McTIGHE BATTERY COMPANY
Irwin, Pa.

THE HEART OF THE WIRELESS



Patented Feb. 19, 1914
De Forest Pat. Nos. 2,123,777-778,822

*An Amateur Station
Without a Vacuum Tube
Is Years Behind the Times*

MARCONI V. T. \$7.⁰⁰ each

Under agreements recently effected the Marconi V. T. is the only vacuum tube, or audion, which may be sold to amateurs, laboratories, schools of instruction and experimenters.

The approximate operating life of the MARCONI V. T. is 1,500 hours.

Class I.—Designed for use as a detector; operates with plate potential of 20 to 60 volts.

Class II.—Designed for use as an amplifier; plate potentials from 60 to 110 volts may be applied.

Tubes in either class may be used for detection or amplification, but those of Class I are best as detectors, and Class II tubes are superior as amplifiers.



Standardized Socket \$1.50 additional



Standard Resistance, Complete \$1.00

The Marconi Resistance, connected in the circuit between the grid and the filament of the Marconi V. T., is made in the following standard sizes:

½ megohm, 1 megohm, 2 megohms, 4 megohms, 6 megohms.

Resistances of any special fractional values up to 6 megohms can be supplied.

Send all remittances with order to **COMMERCIAL DEPARTMENT**
MARCONI WIRELESS TELEGRAPH CO. OF AMERICA Woolworth Building,
233 BROADWAY, NEW YORK
Sole Distributors for De Forest Radio Telephone & Telegraph Co.

McAuliffe Bldg., Cleveland, Ohio
American Bldg., Baltimore, Md.

Insurance Bldg., San Francisco, Cal.
136 Federal Bldg., Boston, Mass.

361 Commercial Bank Annex, New Orleans, La.
100 North 2nd St., Philadelphia, Pa.

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