

Indiana Historical Radio Society BULLETIN

VOLUME 17

SEPT. 1988

NUMBER 3



A 5 tube Lyradion Loop receiver made in Mishawaka, IN in 1925, very rare, two stages of RF, a detector, and 2 audios.

The speaker was manufactured in Indianapolis, IN.



Preservation For Posterity
 245 N. Oakland Ave., Indianapolis, IN 46201

1988 OFFICERS

PRESIDENT

Eric von Grimstein.....
 (317) 849-0563

IHRS Business, Activities, Publicity

9318 Seascape Dr.
 Indianapolis, IN 46256

VICE PRESIDENT

John Foell
 (219) 637-9501

Legal Matters

7083 C. R. 11A
 Auburn, IN 46706

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

EDITOR

Jim Fred.....
 (317) 268-2214

News, Articles, RADIOADS

R. 1, Box 41
 Cutler, IN 46920

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.**

A Letter

At the IHRS summer meet in Logansport, a vote was taken to hold the 1989 IHRS spring meet at the same (very successful) location as the 1988 meet. The meet will be held in late April or early May (date to be finalized at the fall meet in Valparaiso) at the Ramada Inn (formerly American Plaza they are undergoing a change of ownership and a general renovation). John and Katie Foell will be chairpeople for this meet as they were in 1988.

To make the 1989 spring meet a success we would like to have all the various committee heads for the meet lined up by the conclusion of the fall meet at Valparaiso. The committee are as follows:

- 1) Registration -- register attendees, serve as information desk. Keep records on preregistrations and total registrations. Need 3 or 4 people to share the work.
- 2) Security -- police parking lot. Keep cars from fire lanes. Check auction participants for registration badges. Need 3 or 4 people to cover meet.
- 3) Auction -- Set up and run auction. Issue bid cards, register equipment, keep records on auction and handle money. Need people to handle equipment (hold up, carry) during auction. Need about 6 to 8 people total.
- 4) Hospitality program -- Manage Friday night program. Arrange for movies, AWA show, munchies and drinks etc for after program get together. Usually 1 to 2 people can handle this job.

- 5) Banquet/Entertainment -- Secure entertainment for Saturday night banquet. One person needed.
- 6) Contest -- organize and run contest. Select categories of contest. Judge entries. Need usually 4 people.(1 chairperson and 3 judges)

The above rather wordy description of the function of each committee should illustrate the fact that a lot of work goes into the spring meet but, if enough people are involved then each persons workload is minimal and everyone can enjoy the meet more. Each committee head is responsible for gathering his/her people and organizing them to do the job. I believe it's safe to say that last years people will be happy to give advice. It may appear to be a bit early to begin thinking about the spring meet at this time but if we can have the committee heads lined up by the end of the Valpo meet it will save innumerable phone calls and headaches in January. Del Barrett has already volunteered to line up the banquet entertainment so we only need 5 more committee heads. Please consider volunteering for these important jobs. If you want to head up a committee but will not be able to come to the Valparaiso meet in September, drop me a line. Help make the 1989 spring meet an even bigger success than 1988!

John D. Foell
7083 CR 11A
Auburn, Indiana 46706
phone 219-637-9501 evenings

During the Logansport meet a good show of support for a midsummer meet (end of July ?) meet in Auburn at the A-C-D Museum was in evidence. This would allow us to get together at the museum for one of our smaller, less formal meets without straining their parking facilities and help to maintain a tradition of mixing antique automobiles

Lyradion 5 Tube Regenerative Loop Receiver

This set was purchased in about 1925 in Goshen, IN by Marshall Howenstein's mother. It was used by the family for about two years with outstanding results until it was replaced by a Majestic electric console.

The set was manufactured in Mishawaka, IN. It has two stages of RF, detector, and two stages of audio amplification. It was storage battery powered with a 22½ volt B battery under its cover. Earphones were used for reception, but with added power it would operate a horn speaker.

On winter nights it would occasionally bring in KFI Los Angeles after 11 o'clock.

It is a very rare set and I have seen only one other like it. The late Stanley Johnson of Ft. Wayne was writing a history of the manufacturers in Mishawaka, but it was never completed. The set can be seen at the Union Station IND-EX museum in Indianapolis.

The horn speaker in the picture is an Orchestron Deluxe. I believe it was made by the Radio Cabinet Co. of Indianapolis.

Marshall Howenstein

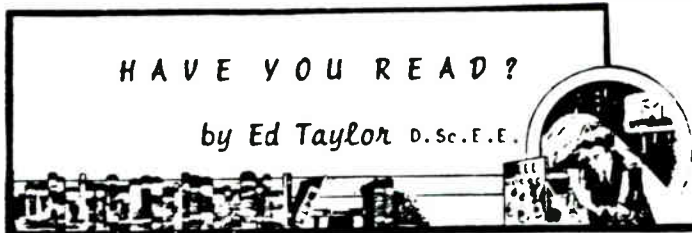
A Letter To The IHRS

(Continued)

and radios once a year. While most of us realize that the spring meet has become so big that the A-C-D facilities cannot accomodate us we would still like to meet at Auburn on a yearly basis. A formal vote on this idea will be taken at the Valpo meet in the fall.

HAVE YOU READ ?

by Ed Taylor D.Sc.F.E.



The Golden Years of BROADCASTING

by Robert Campbell 1976

This volume is a celebration of the first fifty years of NBC's network broadcasting; it is also the celebration of a reality that has changed our world forever. Fifty years ago we had only the sound of a newscasters voice; today, we have complete news systems with remotes, tapes, and satellites to bring us in both sound and image of any event, anywhere in the world.

In 256 pages, 64 of them in full color, and with more than 200 black and white illustrations, this book has it all - from the grand old days of radio in 1929 to the 1969 television coverage of the moon walk, from *Sam 'n' Henry* to *Sanford and Son*, from *Jack Armstrong* to *Star Trek*.

The text is rich in nostalgia, recalling radio's hesitant beginnings and its subsequent blossoming into such full-scale productions as *Toscanini and the NBC Symphony*, the *Chase & Sanborn Hour*, and *America's Town Meeting of the Air*. Yet this book also speaks very much of today. Via television, events of the entire world are now brought - almost instantly - into our homes. NBC's first fifty years - the fifty short years that have led to modern television broadcasting, now the single most important fact of modern living.



Line Cord Resistor Repair

(by Ross Smith)

The best way to deal with an open line cord resistor used on many AC-DC radios with series string tubes in the early and mid 1930's is to eliminate the need for the external resistor. If the two copper conductors in the cord are good, then the original cord may be used and the radio will continue to look authentic.

I recently serviced a Firestone Roamer portable model 363-S that used a 35Z5 rectifier and a 35L6 power output when the switch was placed in the AC power position. The original line cord (now open) absorbed the extra drop of 47 volts in order to supply the tube heaters with the required 70 volts. Only one change in the power output socket was required to substitute a 70L7 for the 35L6, which was to move the cathode connection from pin 8 to pin 6 (the rectifier section of the 70L7 is not used). This reduced the voltage drop requirement to only 12 volts at .15 amps., which is taken care of with a 5 watt 80 OHM power resistor. The resistor operates at only 1.85 watts which is cool enough to mount inside the chassis.

For a .3 amp. series set with tubes such as 6A8, 6K7, 6Q7, 25L6 and 25Z6 the 12 volt .15 amp. tubes may be directly substituted using the equivalent 12 numbers except 35Z4 or 5 for the rectifier and 50L6 for the power output. This adds up to 121 volts, so no dropping resistor is needed. If the rectifier is a 25Z5 six prong tube, an octal socket will be required, either by direct replacement or with a six prong to octal adaptor.

Whatever your voltage dropping requirement may be, remember that either the .3 amp. tubes or the .15 amp.

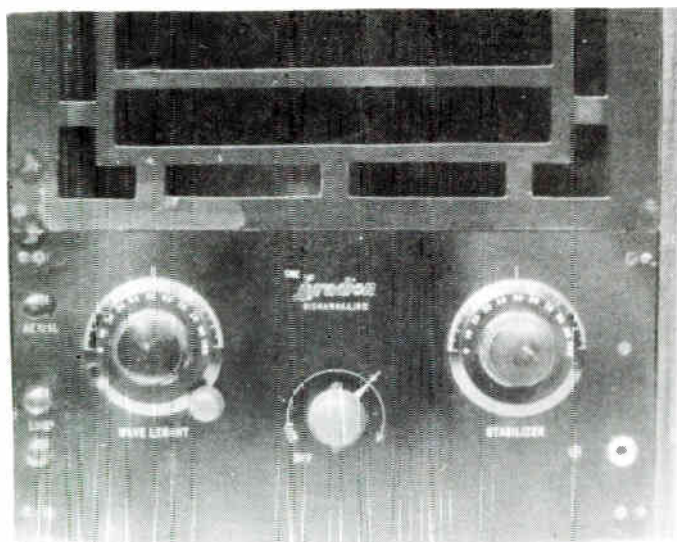
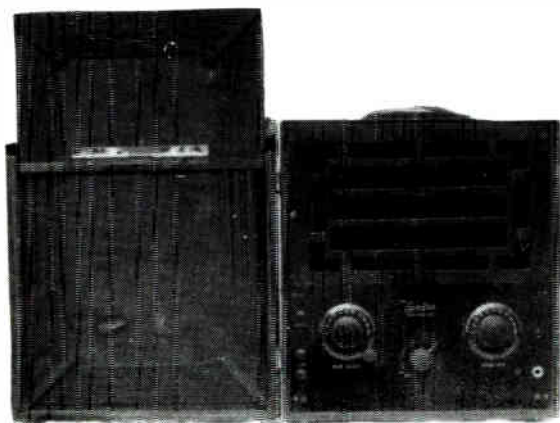
tubes must be used in series, they cannot be mixed. For older sets using four, five or six prong tubes, such as 6A7, 6D6, 75, 43 and rectifiers 1V or 12Z3, or using a combination of early automotive tubes such as 36, 37, 38, 39/44, it is not practical or authentic to change all sockets to octal. In this case, it is recommended that the line cord resistor be replaced by using the half-wave rectifier method, as covered by other articles that have been published.

There a few old stock line cord resistors left, but chances of finding the correct one for your set may not be good.

6-22-88

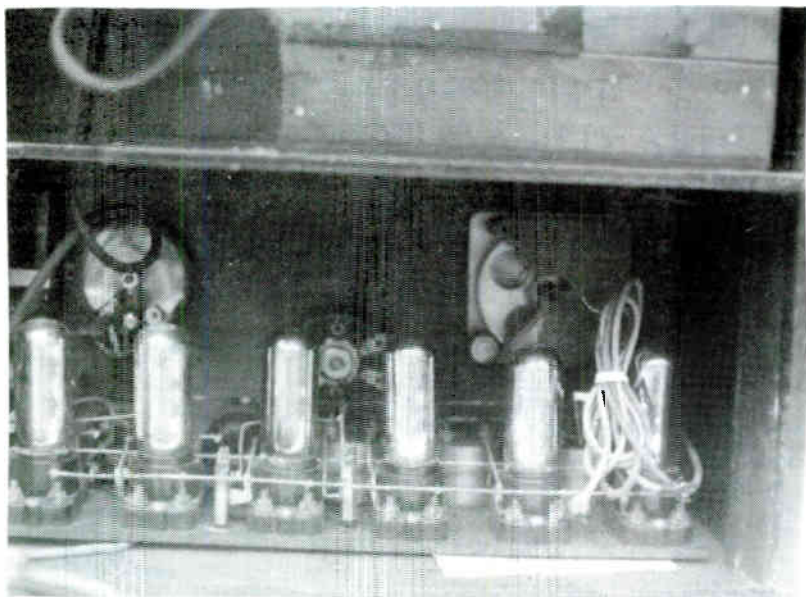
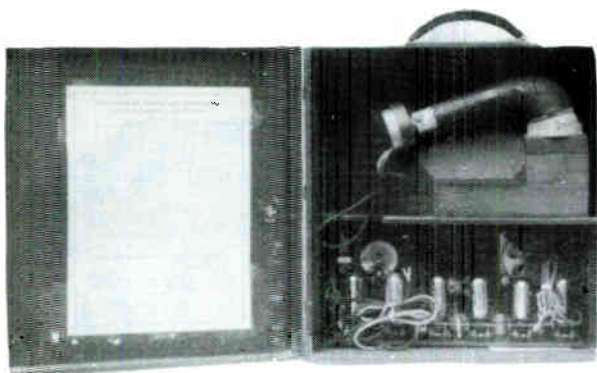
R.S.

Lyradion



This Lyradion Portable was in Stanley Johnson's collection. After his auction it went to a collection in Columbus, GA. I purchased it at the auction in Columbus, GA.

Portable



This set was made in either 1924 or 1925 in Mishawaka, IN. The set is in near mint condition.



THE PERFECTION OF NATURAL TONE IN RADIO

WITH the Lyradion, *tone* as well as *distance* becomes a factor in buying a radio set.

Up to now, you have only asked, "How far can I hear?" You should add, "How well do I hear?"

First of all, the Lyradion is a reproducing phonograph with a perfection of natural tone that even musicians thought impossible.

It is also a high-powered, 1000-mile receiving set which employs the same principle of tone reproduction for both radio concerts and phonograph records.

Or the Lyradion is a combination instrument — radio and phonograph with all wires, batteries, connections, record albums, etc., enclosed in period cabinets that will match any home.

Realize if you can that the beautiful instrument

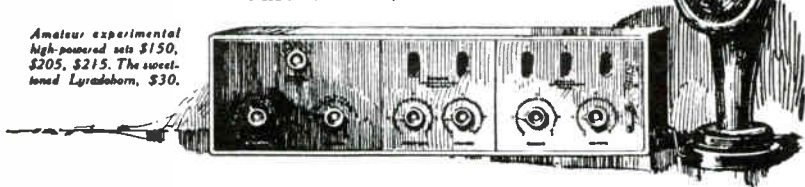
shown above may spring into being at the turn of a knob to pour forth Grand Opera from Chicago, a symphony orchestra from Detroit, a Cathedral Choir from Dallas or a Jazz Band from Atlanta. Here, at last, is the one type of radio set that will not become old-fashioned and out of date within a year.

The Lyradion is powerful, tuneful and beautiful enough to hold a place of dignity in any well-ordered home. It contains a thousand nights of the world's best music — news — football and baseball games, play by play — market reports — church services — dance music — at no cost after you own the instrument.

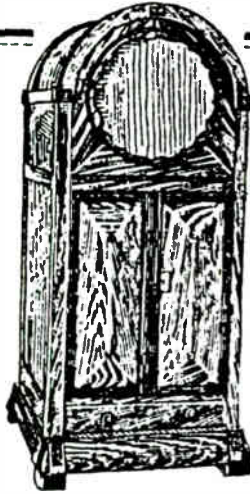
Let us tell you more about it — let a Lyradion dealer put one in your home — if it entertains — if it satisfies — if it pleases — as a radio — as a phonograph — or both — make it your Christmas present to the family. Lyradions from \$250 to \$1,100.

LYRADION MANUFACTURING COMPANY
MISHAWAKA, INDIANA

Amateur experimental high-powered sets \$150, \$205, \$215. The sweet-toned Lyradoborn, \$30.



*Visit
Booth
Thirty-
two*
**RADIO
SHOW**



And See the
"LYRADION"
in Various Models
for home and
auditorium use.

THE DEPENDABLE, high class CABINET RADIO OUTFIT, which has been awaited by everybody, is here. Not in one model only, but in many models, many woods; and not only for home but for auditorium use. Also, in combination with a phonograph. And all of them with an exclusive, patented horn (the Seabrook) built on scientific, acoustic principles of extra loudness and tonal purity. The wireless instruments used are of the highest class; the cabinet-work artistic and thorough, and the guarantee of experienced manufacturers covers the entire article. Come to Booth 32 at the Radio Show (entrance is free) and see advance models of these modern marvels.

- (1) The LYRADION CONCERT GRANDE, a large, handsome cabinet for use in theatre, hotel, church, school, camp, dance hall; a combination phonograph and Radio outfit, powered to reproduce full volume, easily heard by a large audience.
- (2) The LYRADION, a radio outfit and horn in unique, good-looking cabinet (see cut above), fitted with Seabrook loud-speaking horn.
- (3) The LYRADIOHORN, a loud-speaking Seabrook horn alone, in small portable cabinet, for attachment to your radio set; so that entire family can hear.
- (4) The LYRADION CONSOLE COMBINATION, a handsome period library table model, radio outfit and phonograph combined, using Seabrook horn for both, with wonderful loud and pure tone result.
- (5) The LYRADION-PHONOGRAPH CABINET, a cabinet of the usual phonograph type, but with radio instruments installed; using Seabrook horn.

With the coming of these cabined instruments in a wide variety of choice and combinations, the Radio field enters a new era. You will be missing something immensely worth while if you do not visit Booth 32. Come afternoons and avoid the crowd and get more individual attention. Dealers may make private appointments.

Radio Show, Roof Garden, Hotel Pennsylvania, beginning Tuesday evening, March 7th; 2 to 11 P. M. until Saturday.

Lyradion Sales and Engineering Company
New York (Hotel Pennsylvania) and Mishawaka, Ind.

Paul E. Miller

Paul E. Miller suffered his fourth heart attack and died on February 26, 1988. After his first attack, 23 years ago, he was advised that he had five years, at most, to live.

Mr. Miller had been an Electrical Engineer and Foreman and was retired from Magnavox. He formed the Astronomical Society in Ft. Wayne, and he was one of the starters of the Foreman's Club at Magnavox, a Mason, and a member of AWA and ARRL. His hobbies were antiques, photography and radios. He especially enjoyed attending the IHRS Meetings in Auburn.

Mr. Miller and his wife, Charlotte, had celebrated their fiftieth wedding anniversary and he had had his amateur call, W9REW, since 1934.

In addition to his wife, he is survived by two sons and a daughter.

IHRS friends express their sincere sympathy to Paul's family.

NOTICE

The IHRS is trying find the address of Stanley B. Adams. Anyone knowing his address please write or call Marilyn Johnston. We will thank you for it.

Notes from the President

The I.H.R.S. summer meet was held in Logansport, IN on June 25th, 1988 at Spencer Park. Frank and Diane Heathcote again did a super job hosting this meet. This was probably one of our hottest gatherings with temperatures reaching toward 100 degrees!!!, but still had a good turnout with about 50 attending.

Ed Taylor volunteered to chair the nominating committee to put together the slate of officers to be voted on at the Valpo meeting in September.

It was decided that the spring meet will be in Ft. Wayne again next year. John Foell volunteered to chair this meet and look forward to another super job. He will be looking for volunteers to help so please pitch in.

Ross Smith proposed having a local meet at the Auburn Cord museum since we will not be having the spring meet there. We will look into this for 1989.

There was a good turnout for the popular vote contest. The results were as follows:

INDIANA RADIOS

Ist Place - Mike Feldt (Showers Console)

X-TAL SETS

Ist Place - George Hauske (Slike Tuner Set)

FAVORITE RADIO

Ist Place - Ross Smith (Philco Mantel Clock Radio)

I'll See everyone at Valparaiso in the Fall.

Eric von Grimmenstein
President



Preservation For Posterity

July 27, 1988

Dear Eric,

The nomination committee has met (Via Telephone) and selected the following nominees for 1989 IHRS officers. All of the nominees have been contacted and have accepted the nominations. Additional nominations may be made from the floor at the Valpo meeting.

PRESIDENT	Eric vonGrimmenstein
VICE PRESIDENT	Delbert A. Barrett
SECRETARY	Charles J. Saxton
TREASURER	Marilyn B. Johnson
HISTORIAN	Edmund E. Taylor
EDITOR	James A. Fred

Respectrully submitted by:

Ed Taylor
Marilyn Johnston
Paul Gregg

THE LOG OF THE IHRS

Valpo Tech Meet at Valparaiso Technical Institute &

Valpo Tech Meet
at
Valparaiso Technical Institute
Wilbur H. Cummings Museum of Electronics
Saturday, September 10, 1988

Tentative Schedule—Central Daylight Savings Time

- 8:00 AM Coffee & doughnuts for the early birds.
9:00 AM Museum of Electronics will be open.
Swap Meet in the parking lot. (In Dodge Hall in case of rain.)
12:00 N Buffet for IHRS members & their families.
1:00 PM Business Meeting in room 45 of Hershman Hall. Report from the nominating committee and election of 1988 officers of IHRS.
2:00 PM Browsing in the Museum of Electronics and further bartering & trading in the parking lot.

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



RADIOADS

Mechanical Television, stop wondering, find out about it, free information. Send SASE with two stamps to: Peter Yanczer, 835 Bricken, St. Louis, MO 63122.

WANTED: Western Electric 215A, VT-5, or 955 Vacuum Tubes. Tad Drogoski, 507 Coal Valley, Clairton, PA 15025.

WANTED: A copy or a Xerox copy of Lawerence Anderson's publication "Radio Activity", a cross reference of radio names to manufacturers. Herman Zeps, P. O. Box 228, Bluffton, IN 46714.

FOR SALE: Radio related tie clasps and lapel pins, custom made, send a LSASE for our all new illustrated lists. Makes a "great gift" Michael Sabodish Sr., 11-A Matawan Ave., Cliffwood, NJ 07221.

WANTED: Six, 4 prong, wafer type, tube sockets. A manual or copy for a Western Electric 4B or 4D Superhetrodyne receiver. Tad Drogoski, 507 Coal Valley Rd., Clairton, PA 15025.

WANTED TO BUY: 16 inch Transcriptions of Old Radio programs. Also need a dual speed, 16 $\frac{2}{3}$ and 33 $\frac{1}{3}$ RPM player for 16 inch transcriptions. James A. Fred, R. 1, Box 41, Cutler, IN 46920.

FOR SALE: Crosley "Showbox" metal box radio and WE speaker. Radio and speaker work -- radio output distorted. Good (not cracked) pot metal on tuning condenser. Make Offer. Stephen Blaising, R. 1, Columbia City, IN 46725.

HOW TO FIGURE TRADE-IN-VALUES

BATTERY-OPERATED SETS HAVE PRACTICALLY NO TRADE-IN VALUE

EVERY day in every way the trade-in value of a battery-operated set is getting lower and lower. One radio salvage concern offers to sell any battery-operated set for one dollar. The San Francisco Radio Show was inaugurated with a huge bonfire of 2000 old sets, a few of the best being given away to the poor. A battery set will soon be as obsolete as a horse and buggy, except in localities where no house lighting current is available. Most of the old type battery-operated sets were of the three-dial type. The newer models, which quite a few of the manufacturers are making today, are of the single dial type and use screen-grid tubes. These sets will be merchandised in localities where alternating current is not available. The modest list price of the new battery-operated screen-grid receivers calls for a short trade-in allowance on old battery sets for the simple reason that it is next to impossible for the dealer to sell the obsolete traded-in battery set. As the public is made to realize this fact the battery set will no longer be a feature in the trade-in problem.

TRADE-IN VALUES FOR A-C SETS

IN figuring the allowance for an A-C set, it loses half its list price because it is second hand. From this fifty per cent deduct the list price of new tubes to replace the old ones. Divide this difference by two, the one-half being the trade-in value offered to the customer and the other half being the cost of selling and the profit on a possible sale to another buyer. This practice is safe.

FORMULA FOR TRADE-IN ALLOWANCE (A-C Sets)

$$\text{A-C Set} = \frac{1}{2} \left[\frac{\text{List Price}}{2} - \text{List Price of New Tubes} \right]$$

TYPICAL EXAMPLE FOR CALCULATING TRADE-IN VALUE OF AN A-C SET

A CUSTOMER wants to know how much you will allow him towards the purchase of a new set by turning in his old A-C set which he purchased for \$200.00, with tubes (\$180.00 without tubes).

According to the formula shown in the column to the left, you derive the following trade-in value:

\$35.00

This figure was derived as follows:

- (a) List price of set was \$180.00.
- (b) The tubes, \$20.00.
- (c) Half the list price of the set (\$180.00) is \$90.00.
- (d) Deducting price of tubes (\$20.00) brings this down to \$70.00.
- (e) \$70.00 divided by two is \$35.00.
- (f) The trade-in value, therefore, is \$35.00.

RADIOADS

WANTED: Any and all police scanners, receivers, crystals, parts, etc. Also any tube type McIntosh or Marantz amplifiers. Please send model number, asking price, and condition in first letter. Michael Sabodish Sr., 11-A Matawan Ave., Cliffwood, NJ 07721.

TELEVISION: I buy, sell, trade, repair. Paying over \$1000.00 for any pre-WWII TV, \$20-\$500 for many 1940's/1950's sets. I buy novelty, transistor, and unusual radios. Over 300 TV's for sale including 3 TRK-12's (1939) Harry Poster, 201-794-9606 days or leave message, Box 1883, So. Hackensack, NJ 07606.



GILFILLAN RADIO



\$65

without accessories

The handsome walnut Cabinet has space for all batteries. Brings in locals without antenna. Good for years of service.

A compact, efficient set for the summer or city home, camp or yacht, or for week-end trips

*See and Hear Them at
Your Dealer's*

GILFILLAN BROS. INC.

1815 West 16th St., Los Angeles, Calif.

NEW YORK
KANSAS CITY

OAKLAND, CAL.
LOS ANGELES, CAL.

NEUTRODYNE