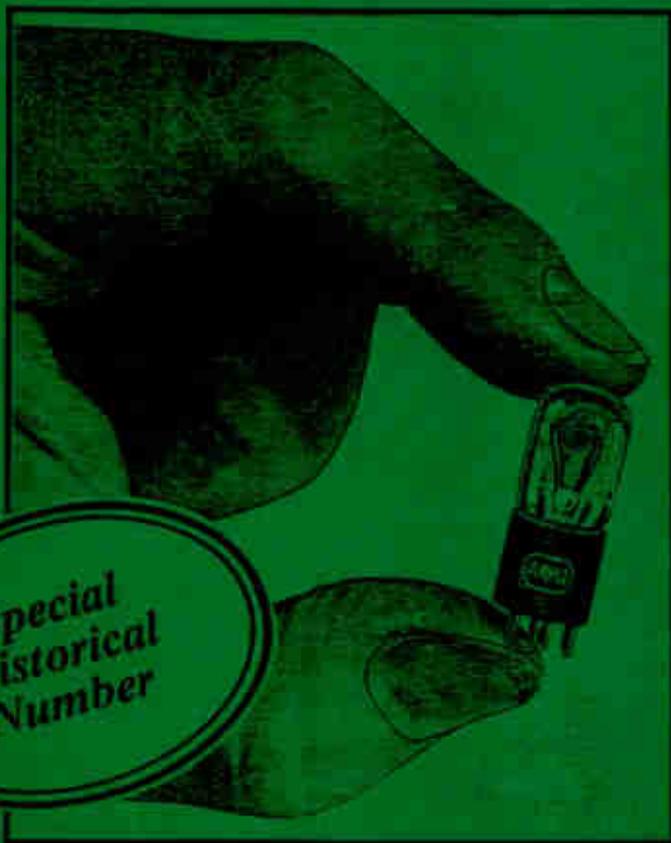


Indiana Historical Radio Society  
**BULLETIN**

Volume 16

March 1987

Number 1



*Radio's Livest Bulletin*



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

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### 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\*\*\***

1987 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**

Saturday, February 21, 1987, dawned cold and cloudy, but no snow or rain! The storm which the weather bureau had been tracking for several days had passed south of Indiana! An excellent turnout for the IHRS Winter meet resulted. About 95 people attended, and 74 stayed for lunch. This was about fifty percent above last year and strained the facilities at the Sherwood. We hope to do better next year.

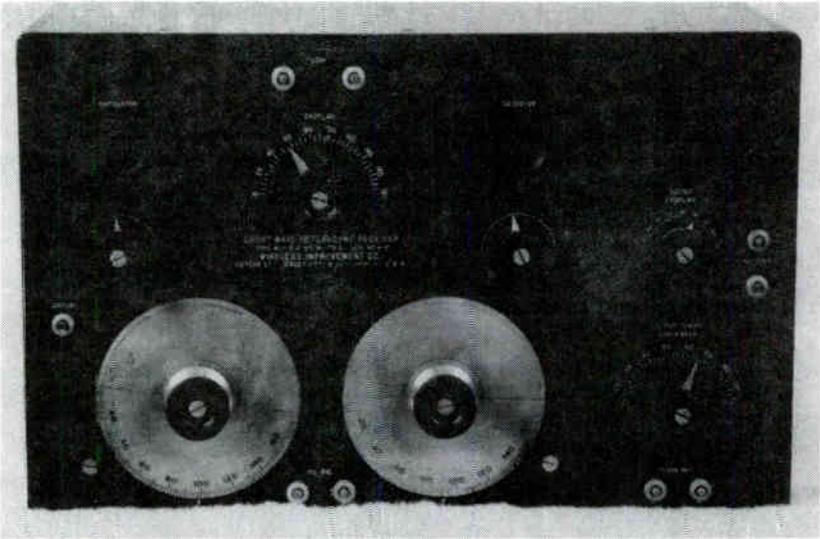
We have a busy meeting schedule for this year. Set aside the following dates, if you haven't done so already, May 1 and 2 for the Auburn meet. This is our biggest meet of the year. June 27 for our meet at Logansport. Frank and Diana Heathcote will host. August 1 (tentative) will be the second meet at Windfall, hosted by Don and Marilyn Johnston. Our fall meet will be at Valpo, and the date is September 12.

Watch the Bulletin for final announcements of the above tentative date for Windfall.

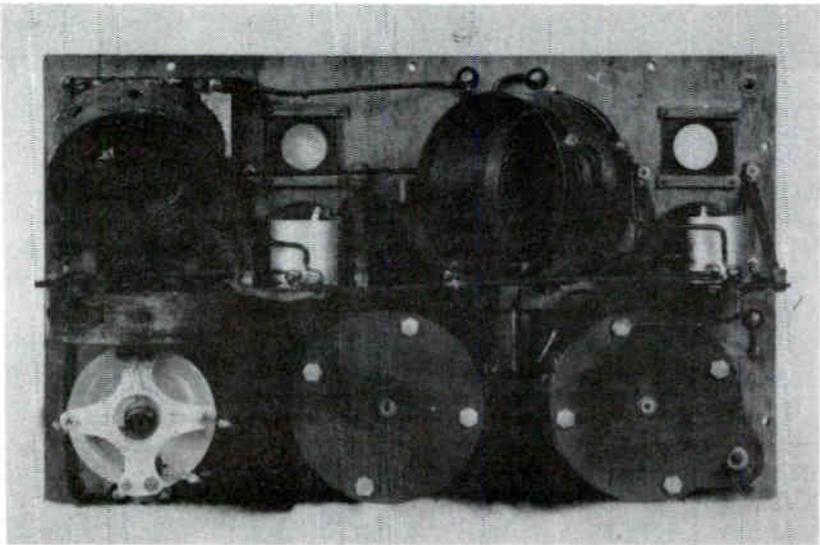
The rewriting of the constitution and by-laws is continuing, and a final draft will be ready for a vote by the membership at the next Valpo meeting this Fall.

The INDEX museum in the Union Station in Indianapolis is proceeding. I have started to assemble some of the equipment which will be on display. More later.

See you at Auburn,  
Paul Gregg, President



Here is one of the more spectacular recent finds by an IHRS member. It is a shipboard Wireless Improvement heterodyne receiver, Model WI-178A, using two tubes. Expert opinion holds that it might be a unique example.



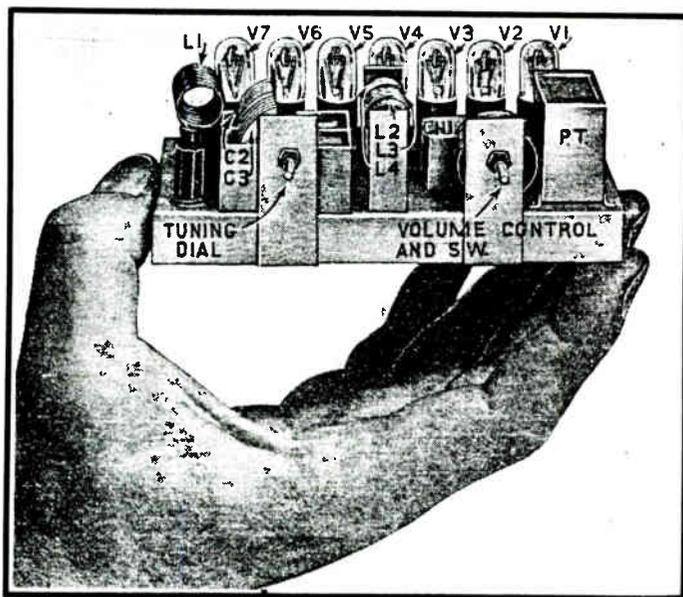
# Men Who Have Made Radio

## MOHAMMED ULLYSES FIPS

*by George B. Clemans*

Of all the pioneers who contributed to the development of the radio art, perhaps none deserves greater recognition than M. Ulysses Fips. Fips' long and distinguished radio career began in 1908, and his name is today associated with many of the key radio patents (see the review of his collected works in this issue of the *Bulletin*). In spite of his many technical achievements, however, Fips was also a prolific writer and as staff reporter for *Radio-Craft Magazine* published a series of watershed papers on radio theory. While such greats as DeForest, Marconi and Armstrong were working at the edge of technology, Fips had clearly gone over it.

The culmination of Fips' career, though, was the development of the superhetero-ultradyné seven-tube vest pocket radio in 1933 for Westinghouse Radio and Mfg. Company. The circuit diagram for this set, which is shown on



the inside back cover, of this issue, clearly reveals its revolutionary nature. It was 20 years ahead of its time (indeed it was not matched until the advent of the Regency TR-1 transistor radio in the early 50's) and was the ultimate triumph of Fips' genius that assured his undying fame in radio history.

The remarkable small size of the set was made possible by an extraordinary new vacuum tube of Fips' design, the APR-1. This tube, with its cold filamentless cathode, was less than an inch high and took the radio world by storm. It is featured on our cover since today it is a prized find coveted by the few radio collectors who are aware of its existence. Although it is extremely difficult to find any of these tubes anymore, the author is fortunate to have several specimens in his collection representing all the major types that are thought to have been manufactured. The brass-based UV type was the first made but was quickly abandoned in favor of the more common bakelite based UX socket type. Western Electric brought out its own version, the APR 100-F, with the characteristic "baseball" type envelope. APR-1 tubes are largely unknown to most collectors since the superhetero-ultradyn was never mass-produced and no other application for the APR-1 tube was found.



### \*\*\* *INDY CONTEST* \*\*\*

*By Ed Taylor*

There was an overwhelming response to the contest staged at the mid-winter Indianapolis meeting. Three extra tables (four in all) had to be set up to accommodate all of the entries. Thanks to all who brought their beautiful equipment to the show. There were 22 entries in Category I: "Favorite Radio," and 14 entries in Category II: "Radio Look Alike."

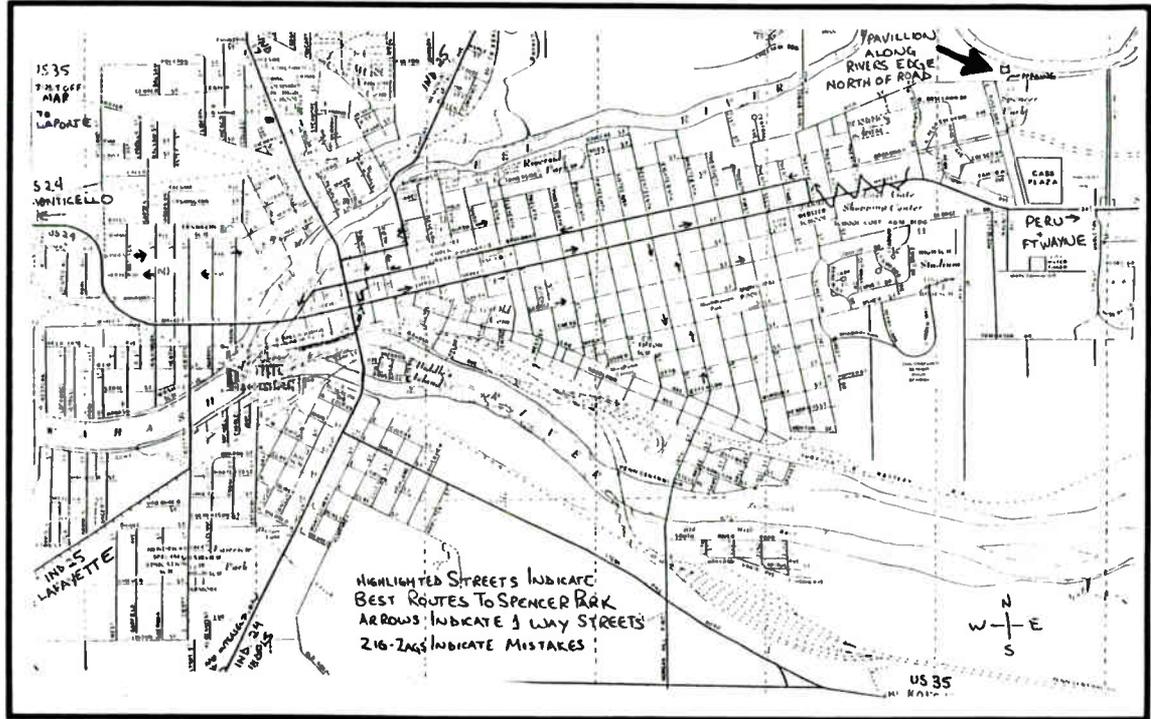
Frank Heathcote won the blue ribbon in Category I with his original FADA Model 43 cathedral, FADA sign, and other supporting material.

The blue ribbon for Category II went to Bob Shuck for his toy grind organ made of lithographed tin to resemble an old battery radio.

Congratulations to Frank and Bob.

Inez Shuck and Mary Haid provided invaluable assistance in counting the popular-vote ballots.

# Map of Logansport



Heard on a Sunday Morning Program:  
 "Mrs. Finch has just sung 'The Lord Knows Why.'"  
 \* \* \*

**INDIANA HISTORICAL RADIO SOCIETY**  
**and**  
**ANTIQUÉ WIRELESS ASSOCIATION**  
**REGIONAL SPRING MEET**

*Friday and Saturday, May 1st and 2nd, 1987*  
*in the Auburn-Cord-Dusenberg Museum in Auburn, Indiana*

**FRIDAY, MAY 1:**

- 4:00 PM — Early registration at the museum
- 7:00 PM — "Old Tyme Movie" and an AWA show, "The Portrait of a Pioneer"

**SATURDAY, MAY 2:**

- 9:00 AM — Registration at the museum  
Swap meet in the north parking lot. Vendors must register. John Foell, Chairman
- 9:30 AM — Register items for the Old Equipment Contest, 10:00 AM deadline. Don Meyers, Chairman.
- 10:00 AM — Register items for the afternoon auction. All items must be registered by noon. You are invited to bring donated items for the IHRS museum fund, as well as personal sales. Please, no TV chassis, scrap sets, or parts of no value. Also, limit the number of manuals and magazines. IHRS is not responsible for condition of materials or transactions.
- 10:30 AM — Contest judging. Best of Show receives the Grebe Trophy.
- 12:00 N — Lunch at the museum "Filling Station"
- 1:00 PM — Auction of personal and donated items. A 10% donation to the IHRS museum fund is expected on personal items. Steve Waldron, Auctioneer. Glen Rogers, Chairman
- 4:00 PM — Continuation of the swap meet
- 6:00 PM — Social hour in the museum mezzanine banquet room
- 6:30 PM — Banquet and contest awards. Entertainment by Ms. Laura "Benny" Lee, President of the International Jack Benny Fan Club.

Prepayment for the banquet must be received before April 27, 1987. Tickets are \$12.50 each. Make checks for banquet only (Do not include registration fee) payable to IHRS and mail to Marilyn B. Johnston, RR #1, Box 218-A, Windfall, IN 46076. Please make your own motel reservations at either the L & K Motel (1-800-848-5767) or at the Starlite Motel (219-925-0500). Both are on State Road 8 West, Auburn, IN 46706.

Registration fee is \$3.50 at the door (includes museum admission from 4:00 PM Friday and all day Saturday).

AWA, IHRS members and their guests are most welcome!

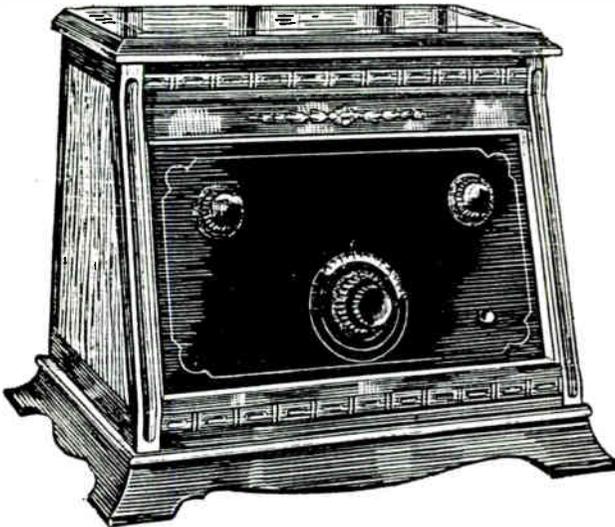
Eric von Grimmenstein,  
General Chairman  
9318 Seascape Drive  
Indianapolis, IN 46250  
(317) 849-0563

# AUBURN OLD EQUIPMENT CONTEST

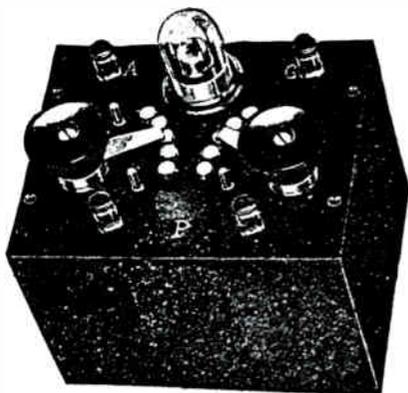
## CATEGORIES:

1. Crystal radios (any year)
  - A. Factory manufactured
  - B. Homebrew
2. Novelty, Art Deco, and mirror radios before 1941
3. Battery radios before 1930
  - A. Regenerative
  - B. TRF or Neutrodyne
  - C. Superheterodyne
  - D. Homebrew, any type
4. Cathedral and mantel tube-type radios
5. Atwater Kent receivers before 1930
6. Grebe receivers
7. All types of speakers before 1930

*The Mohawk*  
5 Tube Receiver



# “BIRD” RADIO RECEIVER



## FROM THE MAILBAG

**New Radio Club Formed.** The Pittsburgh Antique Radio Society has recently been formed in the Pittsburgh area and has about fifty members at present in the tri-state area. It also has a new publication, the “Pittsburgh Oscillator.” Those wishing more information about this new club should contact David Kraeuter, 506 East Wheeling Street, Washington, PA 15301.

**Speaker Cloth Available.** New (old stock) rose and vase cloth for RCA-103 speakers is now available for \$75.00 each from Ken Ericksen, 1049 Felspar, #33, San Diego, CA 92109.

**Information Wanted:** Any information about the Tilman Model T-18 radio (5 tube, 3-dialer) made in Wabash, Indiana, is needed by Eric Bilney, 911 Fargo Ave., Spirit Lake, IA 51360.

**Radio Lapel Pins.** Mounted enamel emblems of Philco, G.E., R.C.A., etc., are now available. SASE for list and prices to Michael S. Sabodish, 11-A Matawan Ave., Cliffwood, NJ 07721.

**Radio Magazines For Sale.** Approximately 280 radio, TV, and electronics magazines from 1937-1962 to sell to highest bidder. Send offers and SASE for listing to Neil Burnett, P.O. Box 1, Provo, UT 84603.

**Power Supplies for Battery Radios.** Several members have sent us information on how to build power supplies to run old radios. For copies send large SASE to the **Bulletin** editors.

# **WAY BACK WHEN --**

*By Marshall Howenstein*



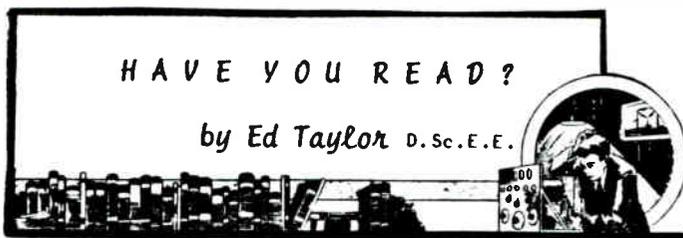
## **GOSHEN HIGH SCHOOL RADIO CLUB 1923**

Goshen High School was among the first high schools in the state to sponsor a radio club. The wireless station was licensed under the call letters of 9ACM in 1916, but the government order to dismantle it came when war was declared on Germany.

The radio club was not reorganized until the beginning of the school year in 1923 under the sponsorship of the Science teacher Mr. Welty. The club built its own receiving set and taught its members how to use it.

### **OBITUARY**

IHRS member K. D. Ross of Fort Wayne, Indiana, passed away in January. He was an early radio pioneer, establishing Ross Radio in 1927. IHRS members may recall that he wrote the booklet about the building of WOWO's first transmitter in 1925. The booklet was entitled *The Birth of a Station*. We extend sympathy to the family.



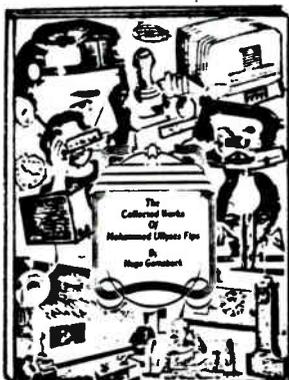
**THE COLLECTED WORKS OF  
MOHAMMED ULLYSES FIPS**

**By Hugo Gernsback**

Many of us used to look forward to the April issue of **Radio-Craft** and **Radio-Electronics** magazine to read about the latest brain-child of Mohammed Ulyses Fips, I.R.E. His "inventions" were always on the edge of reality and reasonableness, and the premise was written in such a convincing manner that the reader WANTED to believe it could actually work. Now as we look back at these well-illustrated articles, we begin to wonder. With the passage of time, many of these April 1 electronic jokes have indeed become reality.

Remember the Noise Neutralizer, Electronic Razor, Radium Radio, Silent Sound, Snorekill, The Cordless Radio Iron. These gems, and 15 more, are included in this 75-page magazine reprint compilation of the best sci-fi projects of Fips from 1933-1946. Hugo Gernsback was the founder of the electronic publishing industry, and these flights of fancy still delight engineers today.

Available for \$14.75 postpaid from: R.E.B., 500B Bi-County Blvd., Farmingdale, NY 11735-9990.



**ANSWERS TO DECEMBER RADIO JINGLES**

OHM - resistance / wave meter

The jingles were reprinted from **Radio News**, October, 1927.

# ***RADIOADS***

**FOR SALE: Radio! Radio!** Jonathan Hill has published the most complete book on British radios from Marconi to the 1960's. Almost 1,000 photographs illustrate the 242 page, 8½x12" book. Cost is \$19.95 paperback and \$29.95 hardback, plus \$2.50 postage and handling. Howard Stone, 2825 Sixth Avenue, Fort Worth, TX 76110.

**FOR SALE:** Your collector's library! **Vintage Radio 1887-1919; A Flick of the Switch 1930-1950; Radio Collector's Guide 1921-1932; Gernsback's 1927 Radio Encyclopedia; Beitman's 1926-1938 Radio Diagrams.** Each book \$12.95 postpaid. Vintage Radio, 26356 Eastview Ct., San Juan Capistrano, CA 92675. (714) 364-1587.

**FOR SALE:** You can build your own mechanical television system. Information is available from Peter Yanczer, 835 Bricken, St. Louis, MO 63122.

**ANTIQUA RADIO CLUB OF ILLINOIS** and the Antique Wireless Association announce Radiofest '87, August 14 and 15, 1987, at the Holiday Inn Holiday and Convention Center, 345 River Rd., Elgin, IL 60120. Special features include a tour of Ralph Muchow's museum, contest, banquet with door prizes, a special display of German radios, a two-day flea market, plus much more. For more information, write Joe Willis, P.O. Box 14732, Chicago, IL 60614.

**WANTED:** One-inch cathode ray tube, type 913. T. A. Drogoski, 507 Coal Valley Road, Jefferson Boro, PA 15025.

**FOR SALE:** Zenith Radio Service Manual reprinted, contains factory service data, chassis layouts, and schematics for sets listed by model number and year. 1929-35, 231 pages - \$25.00; 1936-39, 287 pages - \$27.50. Vintage TV and Radio, 1204 Andrews Avenue, Lakewood, OH 44107.

**FOR SALE:** 6500 old radio and television tubes. All are new in factory-sealed cartons. For information, send SASE to George Dadakis, 200 MacFarlane Drive, Delray Beach, FL 33444.

**WANTED:** Dumont Television, table model with continuous tuning and FM. Jack Kashak, 139 East Saemann, Chesterton, IN 46304. (219) 926-7240.

**WANTED:** Subpanel audio transformers for a battery set. I need two of them. Hugo Castelli, 1406 East Fifth Avenue, Joliet, IL 60433.

**WANTED:** Any wireless, early AC or battery sets you may have to sell or trade. Contact Chester Michalowski, 1037 West 187 Street, Homewood, IL 60430.

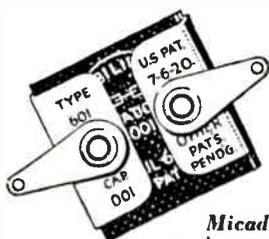
**FOR SALE:** 1918 S-C oak wall phone, Splitdorf, Freshman, Clough-Brengle, Sierra LW receivers. Marantz 18, Fisher and H. H. Scott tube-audio, etc. Reasonable. Send SASE for list. Dave Minchella, 80 Campfire Road, N., Henrietta, NY 14467.

**WANTED:** Majestic Model 25 chassis or complete set if reasonable. Also, good cabinets for Philco 90 and AK 627 cathedrals. Frank Heathcote, 1235 N. 3rd St., Logansport, IN 46947. (219) 722-3612.

**FOR SALE:** Erla Monodic Receiver, works, \$59.00; AK model 49, works, no tag, \$69.00; Heathkit Receiver, Model GR-81, works, with tubes, \$49.00; Airway Receiver, works, clean, \$65.00; Dejur 3-Tube Amplifier, \$39.00; Radiola RC1034, AC, works, \$39.00; Crosley Triridyne Special, fine cabinet, works, \$85.00. No tubes with battery sets, tubes included with AC sets, photo \$1.00. Send SASE for complete list.

WANTED: Cabinet for Madison-Moore Receiver, panel size 7"x26". Must be deep enough for 10½" deep chassis. Also Cabinets for Radiola II and Echophone V-3. David McKenzie, 516 S. Exeter St., Eustis, FL 32726. (904) 589-0149.

WANTED: Indiana radios such as Cardinola, Elmco, etc. Fairbanks-Morse radio with candy colored glass dial. Two dud BB 01-A's, Zenith 835 and Waltens radios, Raola two-dial radio chassis. This last radio has four stage resistance coupled amplifier and may fall under other names. FOR TRADE: Stromberg-Carlson glass mirror chairside radio, mint; Freed-Eisemann NR-6, works; Ozarka Senior Console, mint, p. 143 VR, can bring to Auburn. Michail Feldt, 12035 Sommerset Way E, Carmel, IN 46032. (317) 844-0635.



**Micadon**  
—the standard  
fixed radio  
condenser—  
35c to 75c



**Ducon**  
—standard  
antenna  
socket  
plus—  
\$1.50



**By-Pass  
Condenser**  
for finer, clearer  
reception—  
75c to \$3.75



**Duratran**  
— the efficient  
radio - frequency  
transformer—84



**Resistance  
Unit**  
—the accurate  
grid leak, 50c



## THE LOG OF THE IHRS

\*\*\* Indiana is on Eastern Standard Time \*\*\*

**Friday & Saturday, May 1 & 2, 1987:** IHRS and AWA Regional Spring Meet ACD Museum, Auburn, Indiana *See inside for program details.*

**Saturday, June 27, 1987:** The first summer meeting of the IHRS will be held in Logansport at Spencer Park off High Street. **NOTE: NEW LOCATION!** Frank and Diane Heathcote will again host the meeting which will begin with the usual flea market and swap meet at 9:00 a.m. A popular vote contest will be held with the following categories:

1. Radios made by companies whose names begin with vowels (A, E, I, O, U and Y), 1920-1950.
2. Radios made in New York State, 1920-1950.
3. "Free for All," Bring what you want to show off - best (or worst) deal, worst condition, most wildlife within, or anything else you might think of. As always, supporting documentation is helpful.

**Saturday, August 1, 1987 (tentative):** The second summer meet of the IHRS will be hosted by Don and Marilyn Johnston at Windfall, Indiana. Final plans will be announced in a later Bulletin.

**Saturday, September 12, 1987:** IHRS Valpo Meeting at Valparaiso Technical Institute. Details in a later Bulletin.

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

