

Indiana Historical Radio Society
BULLETIN

Vol. 7

December 1978

No. 4





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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.
- 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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I H R S WINTER MEETING
INDIANAPOLIS - FEBRUARY 24, 1979

The I H R S Winter Swap Meet and Flea Market of Old Radio Gear will take place in Indianapolis at the Eastgate shopping mall.

Everyone bring your 'extras' for sale or trade.

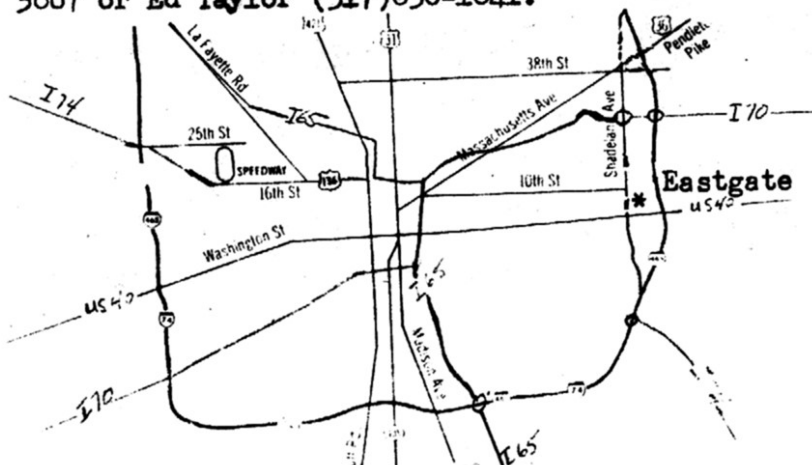
The schedule of activities will be as follows:

10am to 11am	Equipment set up.
11:00am	Meeting officially opens.
12:00 noon	Lunch - Restaurants are close by.
1:00pm	Business meeting.
1:30pm	Slide show on the AWA Museum.
2:00pm	Swap 'n' Sell.
3:30pm	I H R S Winter Meeting Concludes.

There will be display tables available for any Western Electric radio equipment you would like to show.

Eastgate shopping mall is located at Washington Street (US40) and Shadeland Avenue on the East side of Indianapolis. Park in the east parking lot by the mall entrance just north of Woolworths. The meeting will be in the Community Room inside the mall.

For inquiries about Indianapolis weather and travel conditions, call Fred Prohl (317)849-5687 or Ed Taylor (317)638-1641.



I H R S FALL MEETING AT VALPARAISO

The Indiana Historical Radio Society held its fall meeting at the Valparaiso Technical Institute on October 14, 1978.

The rainy weather didn't deter an enthusiastic group of collectors from having a successful meeting. The day started well with coffee and rolls in the Wilbur H. Cummings Museum Of Electronics. This provided all an opportunity to examine a wide variety of electronic equipment of historical value.

A Review In Sound - a recording of radio programs from 1920 to 1960 was presented by John Farkus. Mr. Farkus has assembled an excellent tape recording of voices and radio transmissions of the past.

An active Swap Meet was set up in a class room and another room was made available for the business meeting. See page 2 of this Bulletin for the new I H R S officers in 1979. The noon luncheon was provided by our hosts, the Alumni Association of Valpo Tech.

The overall success of the meet was due to the V T I Administrations interest in our Society and their willingness to provide the facilities and resources.

Thank you V T I.



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NEW MODEL, \$40

MOST BEAUTIFUL APPEARANCE, HIGHEST
EFFICIENCY, SENSITIVE, NO DISTORTION

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NEW YORK

Five Minutes of Radio for a Nickel

By JOSEPH RILEY

ONE of the favorite pastimes of the American people is dropping coins in a slot. There are the familiar weighing machines in every railroad station, which for the sum of one cent will indicate your correct weight. There are machines scattered all over the country that dispense chewing gum, candy and other eatables for the same amount. If your boots need shining, there is no need to wait for the shoe-shine artist; go to the nearest shine machine and place your shoes in its care. Not to be behind the trend of the times, the radio slot machine has made its appearance. If you forget to bring your pocket portable receiver with you, and there is a program on the air that you are particularly anxious to hear, just walk into a store that has one of these radio receiver slot machines, drop a nickel in the slot, set the two dials of the set—and your station will be heard from the loud speaker in the top of the machine.

HOW IT OPERATES

This slot machine made its appearance recently in Philadelphia and consists of a five-tube radio frequency receiver, having one stage tuned R.F., one stage of fixed R.F., detector and two stages of audio frequency amplification. There is also a timing mechanism which limits the reception to five minutes. On the side of the machine next to the slot in which the nickels are deposited, is a table showing the times when stations are broadcasting and also the necessary dial settings of the receiver.

The small knob below the slot is turned after the nickel is deposited. This starts the motor which operates the timing mechanism. After four minutes of music a red electric lamp lights in the front of the cabinet, warning the listener that if he wishes to continue the reception beyond the period of another minute another nickel must be dropped in the slot. This must be repeated every five minutes. The opening of the loud speaker horn is behind the grill work above the dials of the receiver, and the timing mechanism is under it.

Before long, it is possible these machines

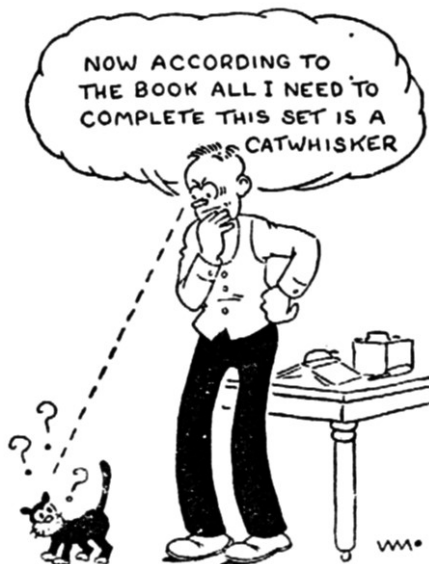
will be as common a sight as the many different types of vending machines that are familiar to everybody today and then the

American boy and girl will have another slogan, "Papa, gimme a nickel I wanta hear some radio music!"



When a nickel is dropped in the slot, your favorite radio station can be tuned-in by the two dials on the front of the cabinet.

© Wide World Photos.



★ ★ RADIOADS ★ ★

SELL: Six tube Model 40 Freed Eisemann with speaker, a good clean set, \$100.00. AK Model 35 with good tubes, \$50.00. A366 Murdock Condenser, page 48 Duck catalog, \$75.00. Arthur J. Bardish, 4042 Herman Av., SW, Grand Rapids, Mich. 49509

WANTED: Information pertaining to the Lyradion Mfg Co., Misawaka, IN and Slagle Radio Co. Fort Wayne, IN. Need materials such as ads, catalogs, photos to be used with other material I have for publication. Stanley M. Johnson, 3321 Eastbrook Drive, Fort Wayne, Indiana 46805

Wanted: PARTS FOR RADIOLA IV - One front door frame with or w/o grillwork, grill cloth and inside horn with or w/o driver, or complete cabinet with horn. Ross Smith, 1133 Strong, Elkhart, IN 46514

WANTED: Radio News, July/Sept 1919; Jan 1920/Jan 1921; July/Aug/Sep/Oct 1923; June 1924. Also Meyers Tube and source for AK 10 replacement Audios. A.R. Nolf, 7 Cambrian Way, EWLOE CLWYD, N. Wales CH53RE

TRADE: Grebe Syncrophase, good condition for Zenith 3R in good condition. Hardin W. McCauley, 8471 Patterson WB9NVE, Saint John, IN 46373

WANTED: Early Battery operated receivers and crystal sets. Prefer small 1-2 or 3 tube sets. Do not have to be in working condition, nor be complete but should be restorable. Describe and price please. David T. McKenzie, 170 west 53rd St., Hialeah, Florida 33012

WANTED: Chassis for Jackson Bell Model 84 (Peter Pan). R.K. Goodlive, 1401 Franchere Pl., Sunnyvale, Calif. 94087

WANTED: 6B5 Tube and also a Multivalve (01A tube) or information as to where I can get one repaired. Needs new envelope and evacuated. Have material to trade or will pay cash. Del Barrett, 1517 Pacific Drive, Fort Wayne, IN 46819

WANTED: Old Electro-Medical (Quack) machines like induction-coil shock devices, ozone generators, electric belts, violet ray apparatus. Wanted also, spark-gap diathermy, old x-ray and literature. O. Lindan, 1404 Dorsh Rd., Cleveland, Ohio 44121 Phone (216)-382-7113 evenings.

TRADE: Radiola VIII box, panel and chassis parts for Remler Superhet kit in similar condition. Also need parts and rebuild info on a single tuned Faraway battery set. F.C. Prohl, 7257 Murphy Dr., Indianapolis, IN 46256

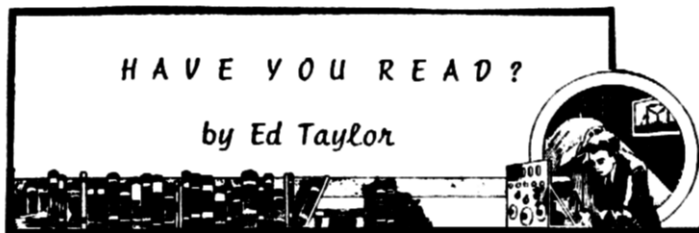
* RADIOADS are F R E E to all I H R S *
* members. Radioads and information for *
* the March Bulletin should be submitted *
* for printing by 3/16/79. *

I H R S received this memo from Fair Radio Sales Co., Inc.

We now have a lot of old tubes in stock including 201A's (good filament) at \$5.00 each and others from \$2.00 each, used, checked. Occasionally we come across some pre-1930 radios which may be of interest. Let us know what you are looking for. Fair Radio Sales Co., Inc. 1016 East Eureka Street, P.O.Box 1105, Lima, Ohio 45802 Phone (419)-227-6573

HAVE YOU READ ?

by Ed Taylor



"THE HYSTERICAL BACKGROUND OF RADIO"

by R. P. Clarkson 1927

This book contains no mathematics and is not technical in any sense. It is written for the general public and more for entertainment than instruction, but those who are deeply interested in technical radio will find many leads which if followed to their source, will prove valuable.

R. P. Clarkson wrote about radio for several prominent newspapers and magazines in the 1920s. His "RADIO DATA SHEETS" are well known to nearly every collector of antique radios.

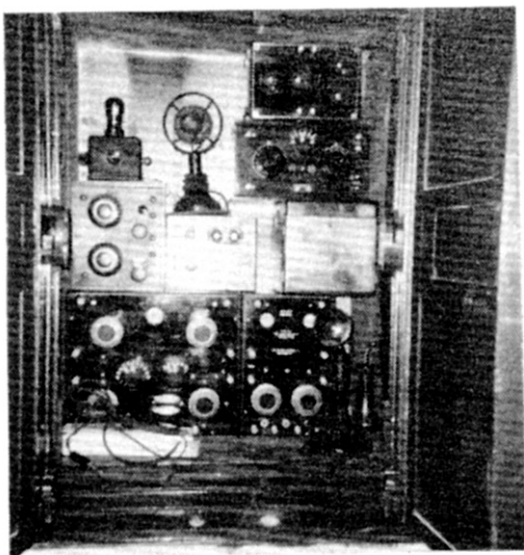
This book recounts the history of radio and its parent, electricity. Chronicled are the happenings in electricity and radio from the days of Jeroboam and the Golden Calves up to the 1927 struggle with television.

Here are stories of the lives of great figures ranging from St. Augustine to Marconi and De Forest, the unexpected outcome of experiments by these men, and the stumbling upon discoveries which unexpectedly built up the tremendous industry of radio. Explained with accuracy is how a scientific plaything of the laboratory threw off its swaddling cloths to come forth to educate, amuse and entertain the millions.

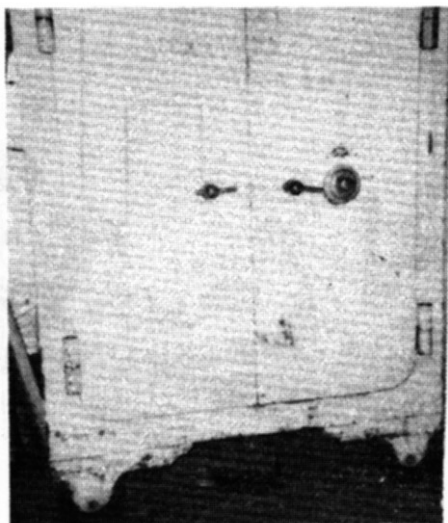
This is the story of radio done from a most original, refreshing, and fascination viewpoint.



"A REAL RADIO NUT"



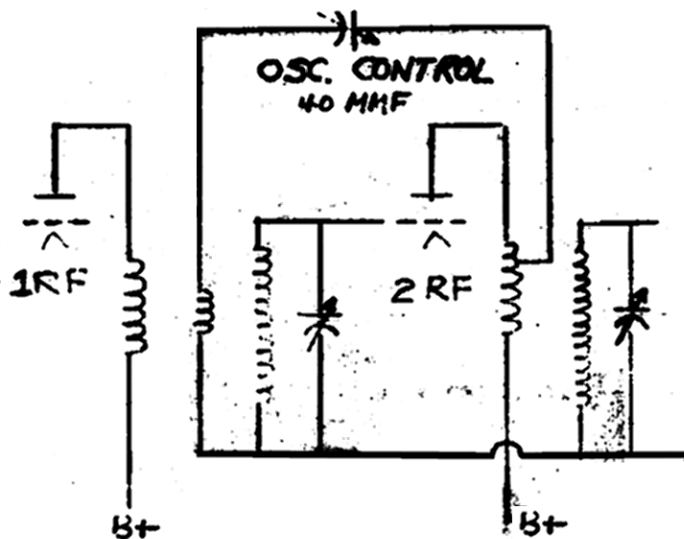
I H R S member Mack McCauley gave himself this title. He recently purchased a 6000 pound safe for \$10.00. (He won't say how much it cost to move it to his home.) Inside the safe Mack stores his Crosely Pup, Radiola Special, Clapp Eastman, C.D. Tuska, Radiola III, Commerce Radio Phone Crystal Set and a Colin B. Kennedy.



THE BREMER-TULLY "NAMELESS"

The greatest volume and selectivity of an R.F. amplifier is obtained just below the point of oscillation. Various means were used in the twenties to prevent oscillation yet operate near this point. The Neutrodyne circuit connected the stages with mini-capacitors, very carefully adjusted and then fixed at that capacity. Since the oscillation point varies over the broadcast range, this fixed adjustment was made below the oscillation point for all frequencies and was only optimal at one frequency. To avoid the Neutrodyne patent, Atwater Kent controlled the oscillation with a potentiometer in early sets, and with fixed resistances in the plate circuits in later sets. Other companies introduced large signal losses into their circuits to prevent any approach to oscillation at any wave length.

In late 1923, the Bremer-Tully Company of Chicago developed a circuit that used a three-plate variable capacitor to connect the two stages of R.F. amplification. (see the figure). By varying the capacitance, the set could be made to oscillate or not, at any frequency, thereby permitting optimal adjustment for the entire band of frequencies received.



Bremer-Tully used this circuit in a five-tube kit (two R.F. stages, detector, and two A.F. stages), and needed a name for it. The story goes that the company decided to run a contest to name their new circuit, calling it the "nameless" until the winner was determined. But, they liked the name "Nameless" so well that they decided to use it. To avoid a lawsuit, a winner was named, but the kits sold as the B-T Nameless set.

In any event, the "Nameless" circuit was a good one, equal to the famed Neutrodyne circuit. Because it was variable, it could be adjusted for different frequencies, and was therefore more efficient than the Neutrodyne.

By 1925 Bremer-Tully had developed low loss variable condensers and air core transformers which were among the finest components on the market. They sold several different kits; the one containing three 3-circuit transformers, three 250 M.M.F. condensers, one 40 M.M.F. control condenser, and complete blue prints, instructions, and list of parts needed to build the Nameless Low Loss set sold for \$26.50.

There are pictures of a B-T Low Loss Nameless set in the "Indiana Historical Radio" section of this Bulletin.

Walt Sanders



INDIANA HISTORICAL RADIO

The Allison-Pickett Company of Terre Haute, Indiana assembled Bremer-Tully "Nameless" kits and sold them at their store on 7th Street east of Ohio Blvd. Paul Pickett opened the store in 1924 and Allison worked for him until 1925 when he became a partner. The "Nameless" kits were purchased from Chicago and assembled by Herman McMasters during 1924-26. The front panels were also ordered from Bremer-Tully with the Allison-Pickett engraving. Some of the panels also included the Bremer-Tully Nameless logo.

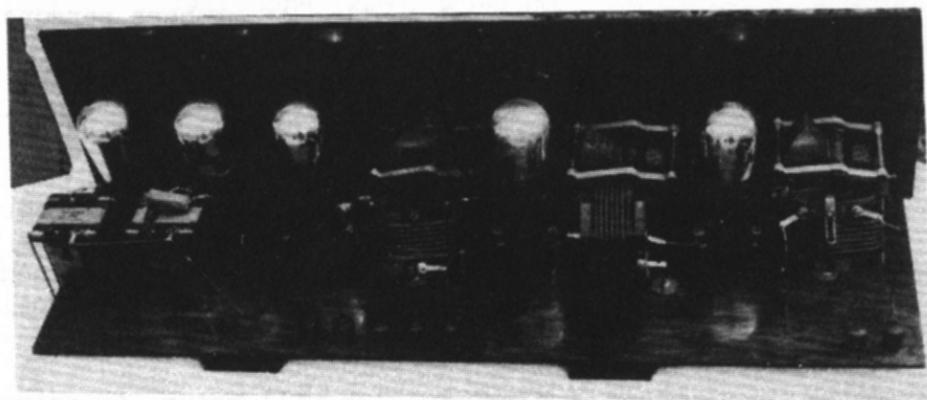
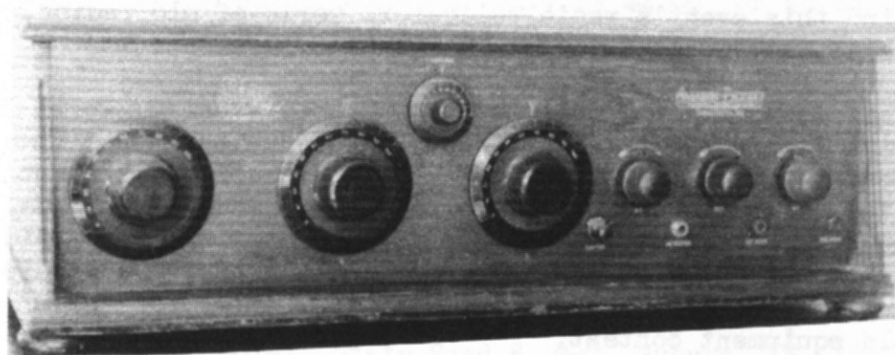
The set pictured here turned up in Evansville, Indiana, just a few months after Herman McMasters died in 1975. It has Terre Haute, Ind. engraved under the Allison-Pickett label. The only other Allison-Pickett set known is in the Terre Haute museum, and does not have Terre Haute printed on the panel. Mr. McMasters thought they had sold over 25 of the sets.

In 1926, Allison formed a new company with Noel Whitney, and their store was opened in the Indiana Theatre Building in Terre Haute. McMasters went with them until 1928 when he went to work for the Jensen Brothers.

The circuit has been altered in the set shown. The R.F. oscillation control variable condenser has been removed and a 200,000 ohm rheostat placed in series with the R.F. plates to control oscillation.

Walt Sanders





I H R S - A W A AT AUBURN
APRIL 20-21, 1979

The Indiana Historical Radio Society will co-host a meeting with the Antique Wireless Association this April at the Auburn, Cord - Duesenberg Museum in Auburn, Indiana.

Those of you who are new to the I H R S or A W A will find this event a radio collectors world of old radios, parts, technical information and entertainment.

This years meeting will start on Friday evening, April 20, with a 6 pm early registration followed with an Old Time Movie at 7:30 pm. Saturday, April 21, activities start at 9 am with a flea market of old radio gear. At 10 am, members are asked to register for the meeting if you did not do so Friday. Also at this time register your equipment for the auction and register your entry for the old equipment contest.

The Auction of parts and equipment donated by I H R S and A W A members for the I H R S Museum fund will start at 10:45 am. A second Auction of members personal equipment is scheduled for 1:00 pm. At the second Auction, a 10% of sale price donation is asked for the I H R S Museum fund. Be sure and register your equipment early for these events.

At 4 pm there will be a presentation by Steve Hofer on "Philo Farnsworth" - A Television Pioneer. Restoration Show and Tell at 4:45 pm. Bring your story or equipment to show how you handled a restoration job..An AWARD will be given for the best example.

The Johnny Appleseed Dulcimer Club will return to entertain at the 7:00 pm Banquet.

Check the following page for registration information.



PRE-REGISTER for the I H R S - A W A meeting at
Auburn, Indiana.

Banquet reservations with full payment must be
received by April 13, 1979.

Banquet ticket and admission to Museum - \$10.00
per person.

(Admission to Museum only is \$2.00 for an adult
and \$1.00 for a student or child - payable
at the door.)

Mail your registration and check (payable to
I H R S) to:

Frank Heathcote
1325 N. 3rd Street,
Logansport, IN 46947

Please make your own Motel reservations:

L & K Motel, State Road 8 West, Auburn, IN 46706
Telephone (219) 925-1316

Starlite Motel, State Road 8 West, Auburn, IN 46706
Telephone (219) 925-0500

Delbert Barrett, General Chairman



PREPARE NOW FOR AUBURN

Clean up your potential prize winner for the OLD EQUIPMENT CONTEST at the IHRS-AWA meeting at Auburn.

The contest categories are as follows:

Class I

Military Radio Gear -

- a. Circa WWI
- b. Circa WWII

Class II

A.C. Cathedral Style Receivers.

Class III

Crystal Sets -

- a. Homemade.
- b. Commercially made with the original selling price of under \$5.00.
- c. Commercially made with the original selling price over \$5.00.

Class IV

Speakers -

- a. Horn
- b. Cone

Class V

Radio Advertising

Class VI

Any Receiver Using Four Tubes or Less

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

Ed Taylor, Contest Chairman

TIPS ON CLEANERS

by Ross Smith

I have found TOP JOB AMMONIATED CLEANER to be the best all-around cleaner to use on metal, bakelite, rubber or wood, especially on "chicken house" or rat infested sets. For these extremely dirty jobs, pour the Top Job full strength over dirty areas, or spread a heavy coat with a paint brush and allow it to soak for 15 to 30 minutes. If the dirt is not dissolved the first time, make a second application.

Rinse the cleaner outdoors on grass with your garden hose or rinse with hot water from your laundry tub indoors. Drain and dry as soon as possible with a hair drier. Individual parts may be soaked for 15 to 30 minutes in the full strength cleaner. However, the following precautions must be observed:

1. Full strength cleaner may soften old paint or damage labels. If there is any question, cut the cleaner with four parts water before brushing or soaking.
2. Do not leave brass parts in the cleaner overnight. They will turn dull from the dirty solution and will turn a copper color.
3. Remove audio transformers that are not sealed, mica capacitors or any open component subject to water damage from the chassis before cleaning. Variable capacitors, variometers and rheostats may be cleaned.
4. If water is trapped in bearings or in any other area, remove by applying lighter fluid. It is a good idea to oil all bearings of variable capacitors, rheostats, dial drives, etc. after drying.

(continued on page 18)

CLEANERS - Continued
Ross Smith

- (4.) Also, apply a film of vaseline to the tube socket pins and rheostats in order to keep contact resistance low.

TOP JOB does a quick and thorough job on wood cabinets, but water should not be used when laminations are loose or if wood is porous or subject to warpage. Turpentine, lemon oil or other mineral cleaners are preferred for wood. For shellac finishes, Allen Douglas recommends using a solution of 80% toluene and 20% ethyl acetate. I tried this mix and found it to be a good mild cleaner, but my wife would not let me use it in the house because of the fumes. Lighter fluid is the best de-greaser and acetone is a good cleaner and paint remover. Don't use either one while smoking and don't use acetone near labels or markers.

Sometimes you just can't short-cut a cleaning job and you must use pure elbow grease along with a good potion of polishing compound, jewelers rouge or 600 polishing paper. A fine wire brush or stiff toothbrush dipped in metal polish is good for removing spots of corrosion or for preparing metal for re-plating. It is important to cut-and-try in order to find the best cleaning method for your particular cleaning job. For the best results, it always takes time and patience.
GOOD CLEANING!



KLAUS RADIO CO.

Dept. 100

Eureka,

Illinois



FIRST TESTED ~ THEN SOLD

RESTORATION TIPS

In restoring "Black Dial" Zenith AC receivers, there is usually a problem with the rubber belts on the tuner and flywheel. I use urethane belting as a replacement for the rubber belt. It is sold in a variety of shapes and sizes (round, flat, thick or thin), and is priced by the foot. All you need to do is cut it to length, heat with a match or a hot knife blade so both ends melt, and then hold the ends together until they cool.

Del Barrett



FLEXIBLE RADIO CABLE

7 conductor (color coded), in coils or 10 ft. lengths, fitted with terminals especially designed for use in connecting receiving sets to batteries, etc.

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WIRELESS APPLIANCES CO., Old Colony Bldg., Chicago, Ill.

* * * IN MEMORIUM * * *

Former IHRS member John R. Noble was killed in a motorcycle accident on December 1, 1978. IHRS Members will remember John as one of the thirteen founders of our society. Prior to his moving from Indiana he was instrumental in establishing the successful IHRS display at the Indiana State Museum in Indianapolis. John had been operating a motorcycle dealership in Loveland, Colorado where the accident occurred.

Elmco Senior Tuner Elmco Junior Tuner

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