

# BULLETIN

Indiana Historical Radio Society  
PRESERVATION FOR POSTERITY

VOL 25

SEPTEMBER 1996

No. 3

SELF-CONTAINED ROBOT  
SERVICS MAN AND FISHING  
EXPERT WITH EVERY  
MODEL SOLD.



100%  
E-FISH VESSEL



REMOVABLE  
REMOTE WAVES

SHORTWAVE

TELEVISION FACE FILTER- AND BEAUTIFIER,  
RADIO TELEVISION SEE-LEVEL IMAGE CLARIFIER



CANNY-RESISTOR



BOUSED SPEAKER  
EAR-TASTING TYPE

HIGH IMPEDANCE  
EAR MUFFS FOR  
NON-LISTENERS

INDOOR SPORTS  
FOGGS AND SELECTOR  
BY DEL COMMITTEE

HAND  
STATION  
CONTROL

PUMP  
-SPID LEAN

INTERNATIONAL  
TIME SHIGGLES

LONG-DISTANCE  
CRYSTAL GAZER



COMBINATION  
SIDO CHAIR  
AND  
CHAIRSIDE



RADIOCK COOKER FOR  
SOPROOD LUNCH AND SANDWICH  
SANDWICH LUNCH AND SANDWICH  
SANDWICH LUNCH AND SANDWICH



POLITICAL CANDIDATE SELECTOR



ACKLES TRIPS TO MARS

DAILY NEWSPAPER DETECTOR



RADIO LOG

See  
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## RESPONSIBILITIES

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Business  
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**BULLETIN DEADLINES, News, Articles & RadioAds -- 2/15, 5/15, 8/15, 11/15**

*The INDIANA HISTORICAL RADIO SOCIETY is a non-profit organization founded in 1971. Annual membership dues are \$10.00, which includes the quarterly IHRS BULLETIN. RadioAds are free to all members. Please include a S.A.S.E. when requesting information.*

## “A Message From the President”

We just had our Special Summer Meet. The one at Noblesville, not the Elkhart event. This edition of the Bulletin is going to press before the Elkhart Meet so we'll have a report on that in the next issue. The “Forest Park” happening was a “Dynamic” meet from several aspects. This get-together was based on actual live operation of the Radios entered in the contest. This offered new challenges to the participants. It had to work to win and the final decisions were based on best performance.

Mike Clark won first prize with the 1925 Malone-Lemmn Mark 2, a three dial Neutrodyne, combined with an Ansonia Clock Co. magnetic speaker which he had at the May '96 meet. Mike Feldt won second place with his beautiful 1927 Forest two dial regenerative receiver used with a Kolster speaker. Bill Morris won the Crystal Set category hands down with his nice Mengel MR101 which was the only entry . Mike Feldt has the technical details in his review in this issue. It sparked a lot of interest (literally) and some who didn't bring their sets, resolved to have them for the next such meet. Others admitted to never having gone beyond physical restorations and now see a different purpose in collecting. We were blessed with wonderful weather, an excellent facility in a great Park. There were cases of “learning on the job” and for the future, Mike Feldt will build the antenna coupling coil networks recommended by Dr. Ed Taylor and we agreed to combine that with a better outdoor antenna setup.

The Forest Inn at the Forest Park, Noblesville location (see photo, pg 19) proved to have many advantages including a giant size meeting room with a fine kitchen and plenty of chairs and tables. This room could handle a lot of dealer tables and exhibit space. The contest was held in another room , although smaller, was more than adequate. The entire structure is air-conditioned which could be an important factor for future meets. Some 45 to 50 people attended, (a total of 33 family and single members registered) and all agreed that we need to come back here to do this again.

Mike is to be commended for providing the suggestion and setting this up. Next year, we will probably plan on setting this up in June or some other  
*(continued on pg 4)*

time that will not conflict with The Brickyard 400 which provided some difficulty in acquiring accommodations. Those who didn't make it really missed "a good act" including the fantastic lunch provided on the 'pitch-in basis'. There was more than adequate delicious food and lots of comradeship.

A sad note here. I was just advised that Walt Sanders suffered a major coronary artery blockage about 2 weeks ago and was in the hospital for about 5 days until they were able to clear the obstruction. He is home now and working on a rehabilitation program. Walt and Glenna have always been a dynamic force in the club and we really missed him at the August Noblesville meet. In addition, the Anderson paper carried the death notice of C. C. Wilson who was the founder/owner of "Wilson Radios in Alexandria, one of the early 1930s Indiana based radio manufacturers. Mike Feldt has promised a story on Wilson for the next Bulletin. On a brighter note, it was a pleasure to see Marilyn Johnston at the Noblesville meet after she had just recently undergone through some painful surgery rebuilding her knee. I was also pleased to see Bob Shuck up and about after his recent hospitalization.

I must now touch on a point that distresses me. In setting up the Noblesville program, Mike contacted about 20 members within the general proximity of the site but was unable to obtain any volunteers to assist. One or two had legitimate reasons such as being in the hospital or otherwise disabled but we cannot hope to continue providing these events without some help. I asked for volunteers in the last Bulletin and again repeat that any and all offers would be most gratefully accepted. If everyone in the club could help in at least (and only) one meet every 2 years, we could expand the JOY for all.

The basic plans are now set for The 26th Annual IHRS/AWA regional Spring Meet for next year. It will be held here in Indianapolis at the Signature Inn East at I-465 and East Washington Street. Several factors affected this decision. The motel has adequate accommodations including a separate 65 space parking lot that they will "rope off" and reserve for us. (We plan on providing night time security guards.) They have a giant meeting room that can be used for the auction in addition to another room that can be used for the contests and displays. These are being reserved for us in addition to

providing discounted room rates for those who identify that they are with the IHRS. We were impressed with the Signature Inn, Florence Ky., facility that the SPARK, Cincinnati club used for their last meet and were able to determine that Signature's corporate policy aims at providing service. We also will not be saddled with having to expose our members to high banquet costs as part of the burden to acquire the meeting rooms etc. as was the case in the past. The nearby Laughner Cafeteria has beautiful dining facilities and 3 sizeable meeting rooms that we may use. One can purchase a good balanced meal for around \$6.00. I am sure that we can plan on having a greater turnout for the Annual Awards Banquet which is presently scheduled for Friday, May 2nd . I am going to need some feedback from the membership so as to determine which one of their 3 rooms we will need.

The matter of availability of volunteers/ helpers helped to influence this location decision. We literally have "burned out" the assistance in the Kokomo area. Please do not misunderstand this. People such as Shirley and Herman Gross, Don and Marilyn Johnston have served much more than their share of time and it is now time for others to respond to the need. Even though Herman was not on any of the committees for the May meet, he was always available to help and, at the close of the show, was the major factor in helping to clean up and in disposing of the material that was left over after the auction. It's now time to move on.

In the meantime, I'll see you wherever Radio lives.

Bob O'Friel



## **On the front cover:**

This advance design of the "Great Christopher" model was circulated in June of 1943 by the Zenith Radio Company as a mild protest against fantastic reports of future receiver developments by radio executives and others. One dealer, it is stated, failed to see the joke and rushed in his check for a number of the "new models." (RadioCraft, July 1943)

## **“Noblesville, a Noble Experiment” A Mike Feldt technical review.**

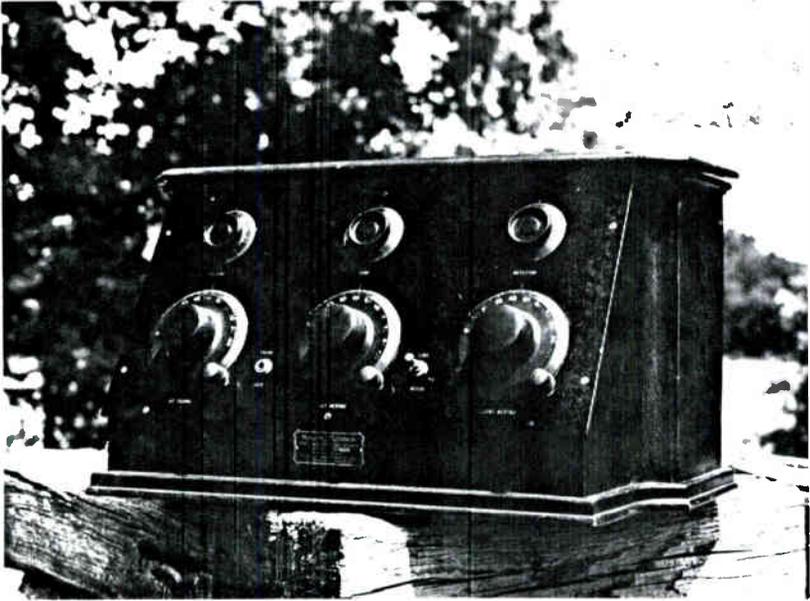
The First Place ribbon for the 1920's tube type receivers was awarded to Mike Clark and his 1925 Malone-Lemmon Mark 2, three dial Neutrodyne. The speaker was an Ansonia Clock Company 911 speaker and the system was powered by an ARBE 3 power supply. This outfit consistently had the best performance throughout the day with good reception and hefty volume, (surprising for a small magnetic speaker). Second Place was awarded to Michael Feldt and his 1927 Forest two dial Regenerative receiver with a Kolster speaker. The system was powered by a 1925 Muter “A” power supply, a 1925 Kingston “B” supply, and four "D" cell batteries for the "C" bias. It worked fine for a period of time until a loss of volume occurred which was blamed on a glass resistor that was not having proper contact in the last stage of the radio's resistive coupled amplifier. After some tinkering with the resistor, full volume was restored. Only one crystal set was entered in the contest and Bill Morris walked away with the first place ribbon for his Mengel M.R. 101.

Other radios that were entered in the contest included a 1924 Tresco regenerative receiver owned by Glenn Fitch. It was powered by a Hatfield “Home Brew” A , B & C power supply made by our former Evansville Indiana member. Because the set used only one tube, headphones were used. The set didn't work properly due to the rubbing of the plates of the tuning condenser which prevented good reception. Carl Knipfel entered a 1925 Radiola 20, two dial regenerative receiver with an RCA UZ1325 horn speaker and a “home brew” power supply. Because of a loose connection on the-power supply, the radio only worked occasionally.

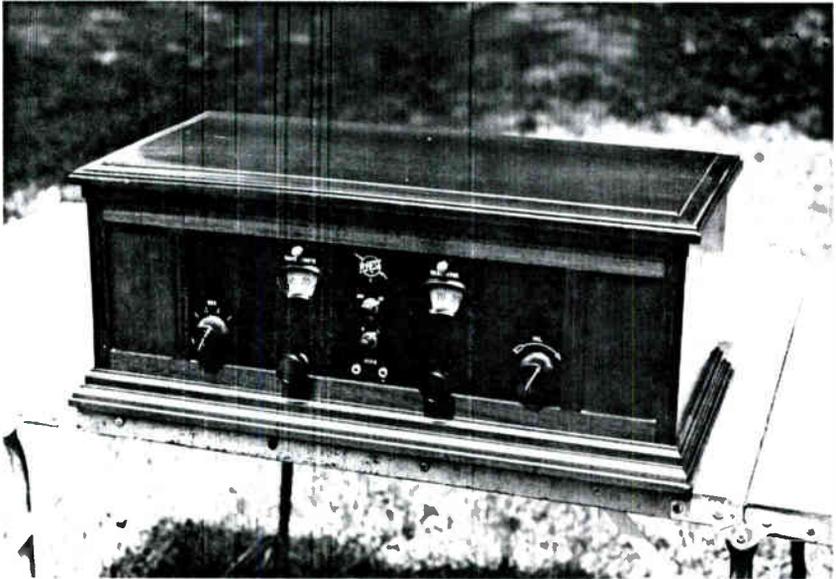
An AC radio was accepted into the contest because the flier that was sent out the week before the show failed to mention that only battery operated receivers would be eligible. Tom Williams entered his Radiola 60 receiver with an RCA 100A speaker that performed fine throughout the day.

Pictures of the meeting house and the winning sets appear in this Bulletin

Mike Feldt, Carmel Indiana

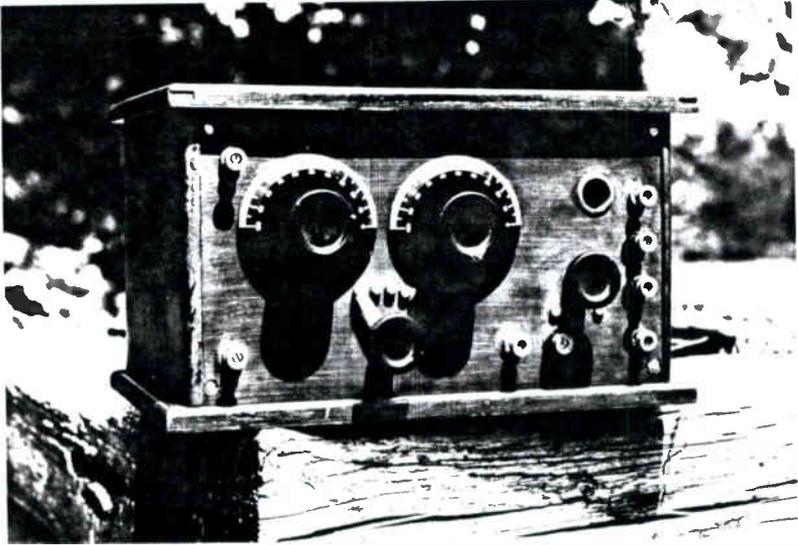


**Mike Clark's 1925 Malone-Lemmon Mark 2  
1 st place winner**



**Mike Feldt's 1927 Forest, 2 dial regenerative receiver  
2nd place winner**

(More on the next page)



A 1927 Tresco Regen, owned by Glenn Fitch



Karl Knipfel entered this 1925 model, Radiola 20



Tom Williams entered this beauty, a RCA 60

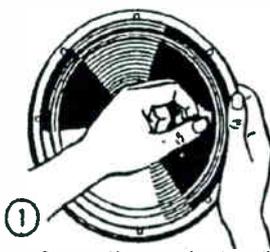


Bill Morris took a 1st on this Mengel M.R. 101 xtal receiver

# COYNE TECHNICAL NEWS SERVICE

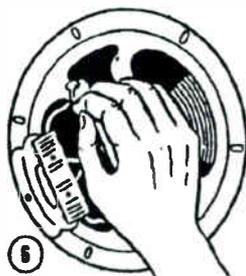
The Coyne Technical News Service is given without charge to all Coyne Graduates and Book Buyers. It is designed to bring advance information on new research, development and expansion in the Electrical, Radio and Refrigeration fields. Much of the information contained in these special bulletins is furnished by the Research Laboratories of the General Electric Company, Westinghouse Electric & Manufacturing Company, and other leading Electrical and Radio companies.  
Published by B. W. Cooke, President Coyne Electrical School, Chicago, Illinois

## Replacing Speaker Cones

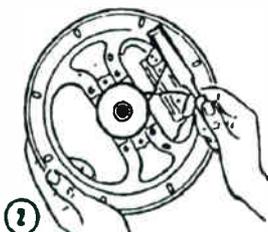


1 Remove old cone and voice coil assembly.

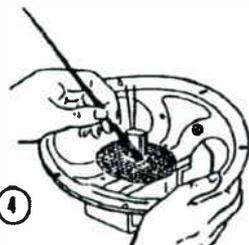
All speakers manufactured since 1940 use corrugated spiders made of cloth. For easier installation, we furnish speaker replacement cones for that type of speaker with the voice coil and spider separated from the cone. Instructions which follow are given in sequence, with illustrations, to aid you in this operation.



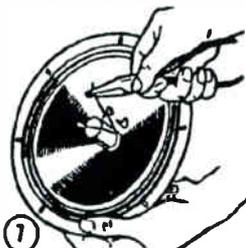
6 Concentric paper ring and place in position, making sure mounting holes are lined up. Turn speaker on face and allow to dry thoroughly, at least two hours, preferably longer.



2 Scrape all glue or cement from one and speaker mounting surfaces. (Blocking rim of speaker in warm water will help break down cement at that point. Be careful not to immerse speaker too deeply in water. Do not let water seep.)



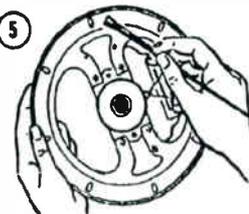
4 Put spacer or shim on inside of voice coil. Be sure voice coil leads are in vertical position. Apply cement to spider mounting surface and put voice coil and shim over pole piece. Be sure spider is level.



7 Bring voice coil leads to spools, loop around and solder. Solder voice coil leads from cone to spools of mounting, or legs of terminal. Leave enough slack to allow free movement of the cone.



3 Clean pole piece of dirt and filings. Put scratch tape with sticky side out on shim stock, and push into gap. Hold shim steady and move speaker in rotary motion until all dirt and filings are removed. If air pressure or hand pump is available, it would help speed up operation, as it would blow out the dirt and most of the filings.

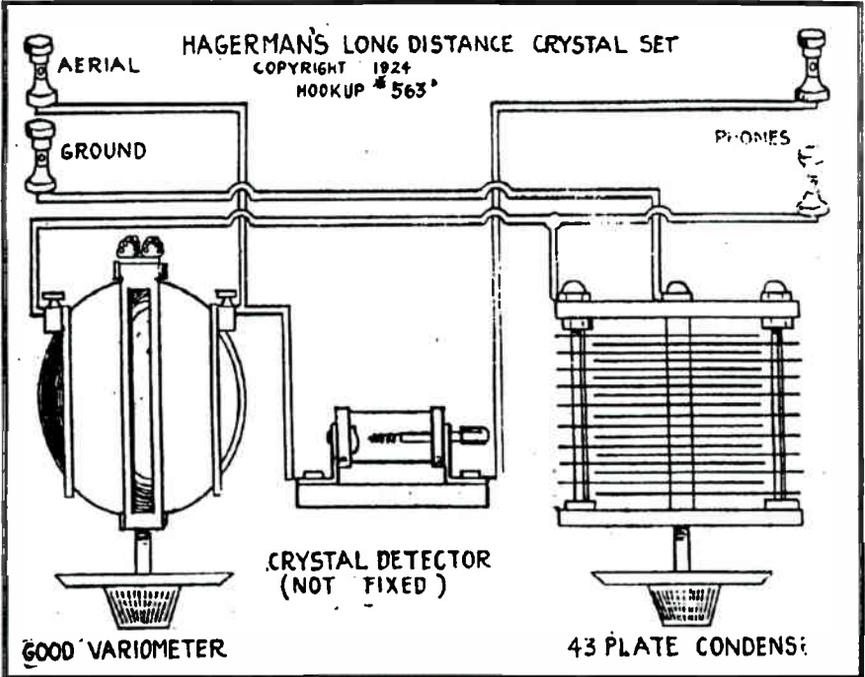


5 Apply cement to cone mounting surface and apply cement around neck of voice coil where cone and voice coil join.

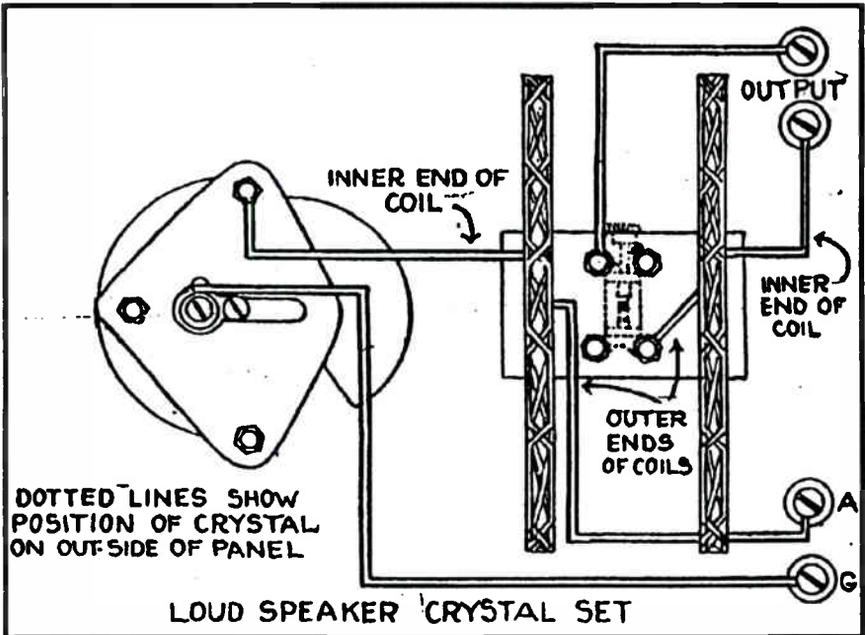


8 Remove shim and place cement around voice coil where it meets cone. Put cement on spools where voice coil leads are soldered. Allow to dry and speaker is now ready for operation.

On inside spider cone types, follow the above instructions, with the exception of No. 4. In this case, use shim stock, about 1/4" wide in strips, and insert in gap, leaving these in place until cement is thoroughly dry.  
On outside spider types, such as 2 point and 3 point cone types, follow our instructions with exception that you do not cement spider, as directed in paragraph No. 4. Screw spider down and center as directed above.



Here's a couple of early xtal sets. Thanks to George Hauske.



## SOME OLD-TIME REPAIR HINTS

We radio restorers contend with many of the problems that old-time radio-TV repairmen faced. Here is a collection of hints, edited down from long-ago issues of the *Sylvania News* and *RCA Radio Service News*, both of which printed "lessons-learned" from repair people. Many of their ideas have use today.

### BANDSWITCH FIX

Noisy or intermittent band-changing switches may operate properly after applying to the contacts a solution of vaseline and Bon Ami. The soft abrasive disintegrates in a short time and thus does not wear away the contacts. The vaseline acts as a lubricant and aids in getting the Bon Ami into the active parts of the switch. Thinning the solution with benzene also helps in reaching inaccessible contacts, as the solution can then be made to run down a pencil or wire to the proper spot. (*Sylvania News*, Nov. 1952)

### SOLDERING IRON TIPS

Tips of soldering irons eventually become corroded from the heat and are often impossible to remove when a replacement is necessary. In order to avoid this, graphite powder dusted onto the threaded portion of the tip and on the threads of the soldering iron chamber will permit the tip to be removed easily at any time. (*Sylvania News*, Feb. 1953)

### PROTECTING PHONO CARTRIDGES

Remove the soft rubber liner from a defective vibrator. When servicing record players, slip this liner over the cartridge. This will prevent injury to pickup or needle from banging around during examination or repair. It can also be used when delivering set to owner. (*Sylvania News*, April 1953)

### TESTING FOR SHORTS

An indispensable gadget for finding the cause of burned-out fuses in TV sets [etc.] can be made by soldering a 1/2- to 2-ampere automobile light bulb across a burned-out fuse and inserting same into the fuse clips. Intermittent shorts can be found by watching bulb while jarring suspect components. (*Sylvania News*, Dec. 1953)

### RIVETS ON GROUND STRAPS

These do not always make a low-resistance contact to the chassis, thus causing intermittent reception and oscillation. This is especially true where wafer sockets are used with a center shield and ground strap.

When working on a Silver-tone portable radio with this condition, I checked the resistance between the center shield and ground on each socket. Three sockets out of five had 15 to 20 ohms resistance as the set was jarred or chassis twisted.

To cure this trouble, solder a short lead between the socket shield and chassis. (*Sylvania News*, March 1954)

### CONTROL REPAIR

With the wide variety of panel controls employed in modern sets, the serviceman is often forced to hold a set until an exact-replacement control can be obtained. Sometimes, however, a temporary repair can be made to restore service. Rough operation is often caused by fatigue of the area directly under the sliding contact. The contact should be bent slightly so that it rides on the unworn surface. Such a repair, although temporary [italics in original], has proven very satisfactory. (*Sylvania News*, Feb. 1956)

### DIAL CABLE TIP

When replacing a dial cable, the sections of cable may be held in place by a paste made of rosin and carbon tetrachloride [in 1995, trichloroethylene]. This prevents cable slippage while the rest is strung. After the cable is completely in place and tightened, remove enough of the rosin with carbon tetrachloride to allow the cable to move freely. The small amount of rosin left will help the cable grip the pulleys. (*Sylvania News*, April 1956)

### INTERMITTENT RADIO RECEPTION

The radio would play for a few seconds when first turned on and then become weak. Solution: first check the AVC voltage. If voltage goes from a minus value to positive after a few seconds, and leakage cannot be traced by testing for a short, the trouble may be leakage across the trimmers in the first IF transformer. Remove the shield can and scrape mica clean. Corrosion on the mica may allow plate-supply voltage leakage to the following grid. (*Sylvania News*, April 1956)

### QUIETING NOISY ELECTRIC CLOCKS

Servicemen may be confronted with noisy clock motors when repairing clock-radios. Many times this difficulty is due simply to lack of lubricant. The following method is offered as a cure for sealed units.

Remove the motor from the frame and mount it above a 60-watt lamp bulb. Place a few drops of oil around the gear on the motor unit. When the heat drives out the air from the motor, as indicated by small bubbles, remove the bulb. Cooling will draw in the oil. Several tries will quiet the most grinding ones and will make them run smoothly. (*Sylvania News*, July-Aug. 1956)

### HOLE CLEANER FOR PRINTED CIRCUIT BOARDS

A common wooden toothpick is a good tool for use in repairing printed circuits. Wetting the toothpick in

cold water and inserting it in a hole filled with molten solder gives a nice cool, clean hole. (*Sylvania News*, Jan. 1959)

### DRILL SLEEVE

The sudden lurch inward, experienced when drilling holes in a chassis, can damage component parts. This can be prevented by using a drill-sleeve about 1/2 inch shorter than the drill itself.

Copper and/or brass tubing of various sizes, generally used for this purpose, is available from hobby as well as electrical supply houses. (*Sylvania News*, Feb. 1959)

### KNOB SPRINGS

How many times have you lost a knob spring and gone scurrying around to find one, with little success?

Here is a solution. You will find the iron core laminations of discarded output transformers, when cut down to the correct size, will make excellent springs or wedges for any type of knob. (*Sylvania News*, March 1959)

### VIBRATORS

Upon inserting a new vibrator into an auto receiver, it may fail to operate, especially if it has been lying around for a while. This is due to tungsten oxide coating forming on the contacts.

The contacts may be restored (cleaned) by applying 110 volts AC to the vibrating reed through a 40-watt light lamp for at least half a minute; six or seven minutes will do no harm. (*Sylvania News*, Sept. 1959)

### SPEAKER CONE ALIGNMENT

Off-center speaker cones can be repaired easily by removing the felt dust protector from the face side. With a screwdriver, pry gently on the side that is rubbing against the coil form. For more delicate speakers, we suggest bonding the frame slightly. After centering, reconnect the dust collector with a good dope cement. (*Sylvania News*, Sept. 1959)

### VARIABLE LINE VOLTAGE SOURCE

In order to check a 3-way portable receiver's ability to operate at reduced line voltage, a variable line-voltage source is needed. Not having a Variac, I installed a 110-volt outlet on the panel of my tube tester and connected it to the filament selector switch. By means of the switch and line-adjustment pot, the line voltage to the portable receiver can be varied to a point where the portable cuts-out. (Be sure that the set does not exceed the filament transformer rating of your tester.) I have found that if the portable can operate with a line voltage of 95 V, it is unlikely to cut-out in the customer's home. (*Sylvania News*, Sept. 1959)

*This idea is a sleeper: here's a zero-cost way to get an isolation transformer for working on AC-DC sets, as well as a variable AC source. No need to modify the tester: just make up an adapter on a tube base, with a round chassis-*

*mounting (snap-ring) AC socket on top. Since the tester was made to feed at least 90 mA indefinitely to tubes like the 117L7, and more current at lower voltages, it's likely to run an AC-DC set for a couple of hours at a stretch without overheating. - LAS*

### PLASTIC TAPE - TUBE EXTRACTOR

The "outside" of plastic tape will not slip on glass. I use it, between finger tips, to pull tubes from crowded quarters where you can get hold of only the uppermost portion of the glass bulb. (*Sylvania News*, Sept.-Oct. 1960)

### SOLDERING IRON OR STEEL COMPONENTS

When you run into trouble soldering to galvanized iron, cast iron or steel components, remove the hair bristles from the tin-handled brush commonly used to spread liquid acid flux. Replace the bristles with a bundle of fine copper wires cut from a piece of stranded cord. Connect the tin handle to the positive side of a 2- or 3-volt battery source, and the negative terminal to the work. Then use this "copper" brush to apply the liquid flux. This coats the metal with a plating of copper, to which the solder then adheres quickly, firmly, and easily. (*Sylvania News*, Sept.-Oct. 1960)

### LOUDSPEAKER FIELDS

The next time that you get a call and find an open speaker field, don't be in too much of a hurry to replace the field.

Take the field out and remove the paper coating. Ten-to-one you will find the field open where the fine wire is joined to the heavy wire that is brought out from the field.

All that is necessary is to re-make the connection and the field is as good as new. (*RCA Radio Service News*, Feb. 4, 1935)

### NEUTRALIZING

In neutralizing some of the old sets, a good tube from which one filament pin has been cut off is often used. However, due to the fact that tubes vary in their internal capacity, this does not always work. A better way is to use the tube that is to be used in the stage under test by slipping a short length of drinking straw over the filament pin. This never fails to work and permits a more accurate neutralization job that avoids possible oscillation. (*RCA Radio Service News*, Dec. 1935)

### MIDGET SPEAKERS

When you have a midget speaker on the bench that is hard to center, just hook the field coil and the output transformer in series and connect to the 110-volt AC line. Proper centering is indicated when you hear nothing at two feet. However, if the cone is rubbing, the sound will be very bad. (*RCA Radio Service News*, Dec. 1935)



IHRS member, Charles Mooney (N3RQY), has sent in a schematic of a rare Meck product that some of you may be interested in. Here's the information that Meck included with the schematic.

" This transmitter is designed to give the amateur a compact single unit transmitter, simple to operate and flexible in it's application."

10 to 80 meters, either phone or CW  
Cabinet is a hinged cover table type,  
metal, 15" X 11" X 9"

Operates on 105-125v 60 cycle AC or  
with 6 v DC at 6 Amps and 400 vDC at  
350 Ma.

J. M. I. Sales Corp.  
35 E. Wacker Dr.  
Chicago, Ill.

AND

John Meck Industries Inc.  
Plymouth, Indiana

### Radio Stations in Indiana as of Feb.1926

<i>Call</i>	<i>City</i>	<i>Frequency (KC)</i>	<i>Power(W)</i>
WOWO	Ft. Wayne	1320	500
WFBM	Indianapolis	1120	250
WBAA	W. Lafayette	1100	250
WSBT	South Bend	1090	250
WRBC	Valparaiso	1080	500

(As found in Andrews Radio Log, 1926), *courtesy of Charles Mooney*

# A STAR IS BORN

by Russ Rennaker, W9CRC

Most listeners think popular radio stars just blossom overnight into their fame. of course that is no more true of radio stars than of motion picture stars. Very few of either reach that pinnacle of success without long hard years of trying.

In the late 1930s there was a local radio performer in Washington, D.C. by the name of Arthur Godfrey. He got his start on a Baltimore station, transferred to the NBC station in Washington, and eventually ended up at the CBS station in the Capitol, where I worked. Arthur did a record program five times a week. Today, he would be called a disk jockey, but that term was unknown in those days. I was the studio engineer for his program.

He owned an Hawaiian type ukulele and he dearly loved to strum it and sing to his own accompaniment. Usually, before air time, he would come into the studio with his ukulele and play and sing for his own amusement until show time. For some unknown reason his singing and his ukulele were banned on the station. I guess the program manager just didn't like akulele music, or felt his sinqing wasn't professional enough. At any rate I had been warned that he might try to sneak his live music into one of the programs.

On this particular day, a few minutes before air time, Arthur's program was canceled due to a Hitler speech from Germany. I was already in the control room and Godfrey was in the studio. He picked up his ukulele and strummed a few cords and then started singing. I opened the mike and turned on the monitor speakers. My first thought was why won't they let him sing on the air. It occurred to me that it was very entertaining.

I was engrossed on listening when I suddenly realized there was someone back of me. Then a voice said, "Say, that's real good." I turned and there before me was Harry Butcher, the station manager, a vice president of CBS. Godfrey looked up and saw who was in the booth with me and stopped abruptly. I motioned for him to continue. "Yes," I said. "Sounds good enough to go on the air."

It wasn't long after that that Godfrey got his chance to sing and play his ukulele on the air. You all know the rest. Godfrey never forgot that and for years after he became famous I always got a bottle of Scotch from him at Christmas time.

# Thomson's inventions generated firm's success

The namesake of Thomson Consumer Electronics was a consummate inventor.

British-born Elihu Thomson eventually obtained nearly 700 U.S. patents before he died in 1937. One of his most recognizable inventions can be found on the side of your house: the wattmeter that records electric-ity consumption.

Thomson also squared off with Thomas A. Edison over what form of electric current should be the standard for street cars. Edison backed direct current.

Thomson backed AC and built generators that he used used to power parts of Kansas City, Mo.

He and fellow Philadelphia teacher Edwin Houston formed an electric company that, in 1892, merged with Edison General. General Electric was born.

Months later, the company began to split apart. First, GE's international operations in France were sold and the new owners renamed it Compagnie Francaise Thomson-Houston or CFTH. It went on to diversify, first snapping up appliance and light bulb makers, and eventually-evolved into Thomson S.A.

In 1901, Italian electrical engineer

Guglielmo Marconi's transmission of a wireless telegraph across the Atlantic Ocean got the attention of the U.S. government. The government wanted to control radio patents and created Radio Corporation of America, which came under the wing of GE.

In 1932, RCA and GE parted company. Later in that decade, RCA began unveiling prototypes of television sets. In 1946, RCA's Bloomington, Ind., TV plant cranked out a model that sold for \$375.

In 1948, RCA bought the Farnsworth Radio and TV plant in Marion, Ind., where it still makes picture tubes.

GE bought back RCA in 1986. The next year however, GE sold the consumer electronics business to France-based Thomson.

In 1994, Thomson S.A. moved its Indianapolis-based Thomson Consumer Electronics headquarters and technical facility from Sherman Avenue to a new campus at 10330 N. Meridian St.

The company now has more than 6,200 Indiana employees.

*(Reprinted from the Indianapolis Star for 10/1/95)*

**- EXTRAVAGANZA '96 REPORT - by Jim Clark**

The Michigan Antique Radio Club (MARC) held it's 11th annual EXTRAVAGANZA convention in Lansing, Michigan, again this year at the extraordinary Holiday Inn South, Convention Center from July 12-14th. The size and scope of EXTRAVAGANZA continues to expand and it truly has become one of the largest antique radio shows in the world. Officially, 375 families registered from 28 states, Canada, France and Australia and combined with other guests and visitors the show had a total attendance of between 800-1000.

The flea market, again held in the large auxiliary parking lot immediately to the south of the hotel, had 269 flea market spaces occupied by 180 different sellers, as many sellers took advantage of MARC's \$10 price for additional flea market spaces after the first one (which was \$20). The parking lot has over 300 total spaces and thus there is still room for growth in future years. New this year at EXTRAVAGANZA, MARC offered 8' tables for selling under it's 40' x 80' tent which was set up in the middle of the flea market and was also used for hospitality and registration functions. These seller's tables proved very popular as 23 of these were also rented.

MARC scheduled four interesting programs on topics such as: introduction to transistor radio repair; general repair hint's and kinks; proper wood cabinet restoration; and a primer on the internet and other cyberspace applications related to antique radios.

Friday was capped off with a huge auction with auctioneer Rich Estes. There were 227 auction cards distributed and a total of 364 items offered for auction. 336 items changed hands (28 items did not receive a \$20 minimum opening bid) with sales totalling a record \$45,027.50! The highlight of the auction was a dynamite red Detrola Super Pee Wee which sold for \$3400 while a mint black Motorola Pixie brought only \$30.

Saturday included an excellent equipment contest with many quality entries. An "informal" social hour concluded this day with Alfred Grebe Jr. making an excellent presentation on his father's involvement in early radio manufacturing and broadcasting. In support of his presentation was an outstanding exhibit of Grebe radios, photos and other documentation.

For those that stuck around for Sunday morning, there was a lively donation auction (radio parts and pieces donated to the club throughout the convention). After 3 hours of selling nearly \$700 was raised for the club as a result of the sale of this merchandise. Clubs should not dismiss this activity as a means of not only raising money to help offset their expenses, but a means encouraging sellers to bring more items (especially parts, etc.) to the shows knowing that any items that don't sell will not have to be brought home with them again!

In addition to thanking those that attended, MARC would like to also thank the many volunteers that contributed their time and efforts in making EXTRAVAGANZA '96 such a huge success again this year. Our hope is that even more of you will come and experience EXTRAVAGANZA '97 for yourself.

Jim Clark, (MARC)

## In Remembrance of... CARL B. BRYANT

Long time IHRS member, Carl Bryant, 83, of Lexington, KY passed away on June 26, 1996. Carl was a long time businessman who operated furniture and appliance stores. He also was engaged in real estate as an agent and broker for over 25 years. He attended the Indiana Institute of Technology and the University of Louisville. During WWII, he was employed as an electronic theory instructor for the Army Signal Corps. Later he was employed in the electrical division of the Manhattan Project in Oak Ridge, Tennessee. Most recently, Carl's activities have included being the President of the Mid-South Antique Radio Club. Carl was one of our most active members. He will be missed.....



This is the "FOREST INN" in Forest Park, Noblesville, IN, site of this years special summer meet.

# YOU JUST NEVER KNOW.....

George B. Clemans

We recently traveled back to Baltimore, Maryland to spend the Thanksgiving Holiday with family, a pretty routine sort of thing to do this time of year. While we were there, a couple of friends dropped by, friends we see perhaps once every three or four years on average and then only briefly. They had an uncle who recently passed away at age 94, and in going through his things, they ran across a couple of old radio books. For some reason they remembered (bless them!) my interest in old radios and saved the books from a probable future in the trash can. Here is what they brought by.

The first was a pamphlet *Wireless in the Home* by Lee de Forest dating from 1922! It is largely an advertisement for his Radio Telephone and Telegraph Company and details the virtues (with great pics) of the Everyman Radiophone, the Radiohome Receiver, and the Two Step Amplifier. Although I have seen numerous magazine articles and letters by de Forest, this is the first book or pamphlet by him I have encountered, so I was delighted to see it.

The second item was another true gem, a book *Operators' Wireless Telegraph and Telephone Hand-Book* by Victor Laughter from 1909. This is the earliest book I have that discusses de Forest's audion detector, itself patented just two years before in 1907. The author treats all aspects of wireless telephony of the day, but when he gets to the audion, he is clearly in over his head. The audion is described as a "...lamp with a gird (*sic!*), filament and wing..." The term "grid" was apparently still so new that he hadn't yet got it right ("gird" is used several times, so it's not just a typo). His comparison of the audion with other types of detectors then available is priceless to a collector today, so I have reproduced it below. The audion, it seems, was never to "...come into wide use..."?!?! This about the invention that was soon to create the multi-billion dollar radio industry! Well, I guess he is not the first to be wrong in his technological prognostications.

These two books are among the most interesting that I have come across in some twenty years of collecting radio memorabilia, and they are, needless to say, permanent additions to my radio library. "You just never know..." then when you are going to run into really interesting radio items. I continue to be amazed by those very rare occasions (such as this one) when the Fates are uncharacteristically kind, and something truly special appears when it is least expected.

HAVE YOU READ?

by Ed Taylor D.Sc., E.E.



## RASCO RADIO PARTS CATALOG #18

*Reprint: by Peter Yanczer*

Our IHRS Bulletin Editor has done an exemplary job with the Radio Specialty Co. (RASCO) 1928 catalog. The descriptive text is quite readable and the illustrations are crisp and clear.

Among the many advertised receivers and kits are familiar brand names such as: Audiola, Crosley, Cockaday, Hammarlund-Roberts, Silver-Marshall, Browning-Drake, Realer, Infradyne, Pilot, Bremmer Tully and Pandora. Some of the lesser known receiver names are Buckingham, Pierce-Airo, Keystone, Hyatt, Karas, and Peridyne.

All of the parts needed to build radio sets are listed in this 144 page catalog. In 1928 a MUSIKTRON type 01-A tube could be purchased for 86¢. Included, in the back of the catalog, are 75 tiny schematic diagrams of radio receivers and power units. (A magnifier is beneficial here.)

This reviewer's only concern is that this reprint is so well done that 10 years from now it may be mistaken for the real thing. There is no indication that this catalog is a replica and was printed in 1996.

Available to IHRS members for \$10 postpaid from Editor Peter Yanczer.



# RADIOADS

## FOR SALE ADS

Consoles, tombstones and other radios. Always something of interest to sell or trade. HELP! Evan J. Chase 2446 Greenlawn Dr. Toledo, OH 43614. 419/389/9334

### RASCO Radio Parts Catalog

An outstanding 144 page reprint from 1928. Over 500 pictures and illustrations, including descriptive text and prices on each item. There are also numerous schematics for the home brewer. This is an ideal reference book to help you identify many of the parts that were used in early radios. The regular price is \$13.95. **The special price for IHRS readers is \$10, postage paid.** Peter Yanczer, 835 Bricken Pl. St. Louis, MO 63122

**Try one..You'll like it!**

### WANTED

AK 40 Tube Location Chart that fits the cabinet bottom, aligned with the tube sockets. Want original, good repro OK

These ads are free to IHRS members. Please limit them to 50 words or less.

Dennis King, 12500 Rivendell, Dr., Oklahoma City, OK 73170 PH. 405/691/1033/H, or 405/954/6560/W

Anything in telegraphy equipment, books, signs, keys, etc. Also have some items for sale. C. B. Goodman, 636 West Grant Ave. Charleston, IL 61920. 217/345/6771

Westrex or Tefi sound tape cassettes, technical or advertising & technical literature and their players (vintage 1953-1963) This is a non-magnetic tape with grooves embossed on the tape. Robert Lozier, 600 E. Green St., Monroe, NC 28112. 704/283/2638

### ColorTel Converters

We both want to set them up to demonstate to the other members Help us!!

**Come-on... CALL US!!**

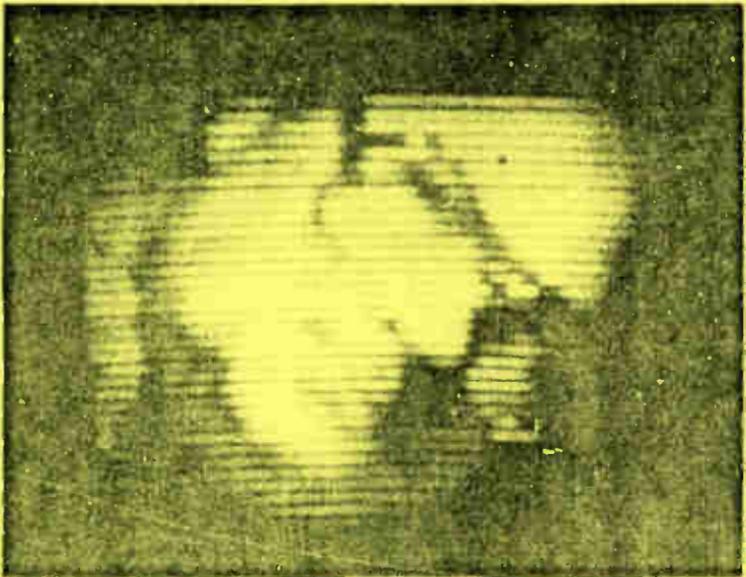
Bob Lozier 704/283/2638

Pete Yanczer 314/822/1748

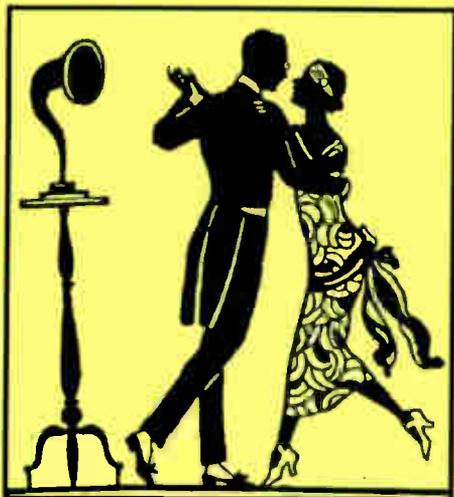
# Meet some of the members...



**Edna Clemans, Bowling Green, OH & Paul Gregg, Carmel, IN**



Your editor on 48 line mechanical television



## Coming Events

Saturday, Oct. 12, 1996. Swap@ 7 AM. **Fall Foliage Meet**, Riley Park, on Apple St., 1 1/2 blks North of Hwy 40, Greenfield, In. Contest judging @ 11 AM. The Contest Theme is "My favorite low cost radio of the 30's". Lunch at Noon, bring a dish (with food in it) to share. Contests awards at 1 PM, followed by a business meeting and election of officers. Registration \$3. Contact: Glenn Fitch at 317-535-4174

Saturday, Feb 15, 1997. **Winter Meet**. Starts at 7:30 AM at the Holiday Inn, SE., 5120 Victory Ln. I-465 at Emerson, exit 52. Details in the next Bulletin. Contact: Mike Clark 317-738-4649 or Alex Whitaker at 317-535-4174

Thursday thru Saturday, May 1, 2, and 3, 1997. The **IHRS/AWA Regional 25th Annual Spring meet** Indianapolis. Thursday is "set-up day" for early arrivals. Signature Inn, I-465 and East Washington St. See "A Message from the President", this issue. Contact: Bob O'Friel, 317-849-4028.

## VOLUNTEERS NEEDED !!

As you can see on this page, the IHRS has a number of events coming up. As much as they have tried, the officers cannot handle these events by themselves. **They MUST have volunteers to do some of the tasks.** At the last event, out of 20 that were asked, not one was willing to help. This placed an undo hardship on those that carried the load. Call Bob O'Friel and put your name in the volunteer pool. It's not enough to just be there. When you're asked to help, that's the time to be there.

Call 317-849-4028