



Vol. 30 Summer, 2001 No. 2

Happy
30th
Anniversary !
Indiana Historical Radio Society

We may have a new home! See comments from the Editor!



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Activities, Business,
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Sites and Dates of
Meets

Applications and
Correspondence
Note → Dues, Financial, and
Address changes. Please
notify immediately of
change of address.

News, Articles,
Photos. & Radio-Ads

Donations & Scrapbook
Material

IHRS Museum Curator

Bulletin Deadlines. News, Articles & Radio-ads, 2/15, 5/15, 8/15, 11/15

IHRS e-mail Web site address = www.indianahistoricalradio.org

The INDIANA HISTORICAL RADIO SOCIETY is a non-profit organization founded in 1971. Annual membership dues are \$15.00/year or 2 yrs./\$25.00, which includes the quarterly IHRS "BULLETIN". Radio-Ads are free to all members. Please include a S.A.S.E. when requesting information. Send applications for membership and renewals to Fred Prohl, our treasurer as noted above.

IHRS ACTIVITIES for 2001, our 30TH YEAR

AUG 25 NORTHERN INDIANA SUMMER MEET.

High Dive Park Pavilion, 500 E. Beardsley Ave. ELKHART, IN. 8:30 AM, Registration, \$5.00 per member / family. Swap and Sell in East lot. 9:30 AM, **Old Equipment Contest categories:** 1) 1920's radios, 2) Tube type radios, 3) Radio that cost collector \$20.00 or less, 4) Transistor radios and 5) My favorite radio. **10:00 AM, Silent Auction. Noon: Carry-in Lunch.** 1 PM: Short business meeting and contest awards. Please attend this meeting. Swap and Sell continues after the meeting. **Motels:** About a doz. motels North and South of I-80/90 at SR-9 (Cassopolis) Exit 92. **Super-8**, 345 Webster Ave., 219-264-4457. **Red Roof Inn**, 2902 Cassopolis St., 219-262-3691. Info: Ty Gregory, 219-264-0257 or Terry Garl, 219-679-4280, ihrselk98@aol.com .

SEPT 15 SPECIAL "OPERATING RADIO" MEET.

NOBLESVILLE, IN., Forest Park Pavilion. Indoors except for flea market. **Operating Radio Contest categories:** 1) Non-superhets and 2) Superhets. **Non-operating contest:** Your favorite radio. **Nearest motel: Super-8**, 317-776-7088 or 1-800-800-8000 (about 15 mins away on SE side of town off HWY 37). **A special brochure will be included in a Bulletin mailing which will include a map and all other pertinent information.** For other info contact Mike Feldt, 317- 844-0635, feldtm@iquest.net .

OCT 13 FALL FOLIAGE MEET in beautiful Riley Park,

GREENFIELD, IN. 7:30 to ????. Located on Apple St. about 1 block N. of US-40 and 2 miles E. of SR-9 (State St.). Coffee and doughnuts for early arrivals. **7:30:** Registration \$5.00 per member / family. Flea market open only to all registrants. **10:00: Contest starts. Categories are:** 1) Reflex radios and 2) Tombstones. Popular vote counted at 11:45. **12:00: Carry-in lunch.** Bring a dish or a desert to pass if you can. **1:00 PM:** Short business

meeting, contest awards announced and **election of officers** from 1:00 to 2:00. Please attend this important meeting. **Motels:** (All located South of I-70 at SR-9, Exit 104) **Lee's Inn**, 2270 N. State St., 317-462-7112 or 1-800-733-5337. **Super-8**, 2100 N. State St., 317-462-8899 or 1-800-800-8000. **Comfort Inn**, 178 Martindale Dr., 317-467-9999 or 1-800-228-5150. **Holiday Inn Express**, 2070 N. State St., 317-467-0999. **Dollar Inn**, 2180 N. State St., 317-457-0067. Info: Glenn Fitch, 765-565-6911, glenn.fitch@cnz.com, or Herman Gross 765-459-8308, w9itt@mindspring.com.

PRELIMINARY INFO: IHRS WINTER 2002 MEET

FEB 16, 2002 WINTER MEET INDIANAPOLIS
at **Holiday Inn South East**, 5120 Victory Drive, I-465 at Emerson Road, Exit #52. 317-783-7751 25 rooms set aside, cost \$74.00. This is the same location for many years. All activities inside. Set up after 6 PM on Friday, Feb 15th. Doors open Saturday at 6 AM. More complete info in subsequent Bulletins and in the Winter 2000 Bulletin. Info: Herman Gross, 765-459-8308, email: w9itt@mindspring.com.

MSARC ACTIVITES – 2001

SEPT 29, FALL MEET, Central Kentucky Vocational / Technical School, Lexington, KY. Info: Joe Vittow, 502-839-5444. Also info via Joe Zahnen, 423-690-5833, joezah@esper.com

NARC ACTIVITIES – 2001

For NARC meet info contact: Jim Thompson, 612-822-4000 or Kip Wallace, 612-544-2547, KipWallace@dl-inc.com

ARCI ACTIVITIES – 2001

All meets at **Elgin, IL., RAMADA INN**, 345 River Rd. 847-695-5000.
AUG 1-3, RADIOFEST XX. OCT 14 & DEC 16, Swap meets.
Info: Tom Klienschmidt 847-255-8128 or Art Bilski 630-739-1060, OLDRADIO@NTSOURCE.COM

Message from the President

Herman Gross

Well.....what did you think of the SPRING MEET? I think Greenfield is a great location. Perfect for most any weather condition. I think all who attended will agree the building is super and the large pavilion is very nice....sort of user friendly if you will. This year the weather was wonderful so most vendors set up under the pavilion or on the adjacent grassy area, but the air-conditioned building was there for vendors if they desired and at no extra cost. The building was nearly ideal for the contest set up and for the silent auction as well. Let us know what you think of this location. We must reserve it pronto if we want to meet there next year.

Many thanks to Glenn Fitch for the many trips to the fair grounds to negotiate for the facility and handling the paper work for the silent auction. A big thank you to Ramona Fitch who so tirelessly "manned" the kitchen area and made sure we had snacks, food and drinks on Friday and Saturday. I know it was nerve racking at times. Thanks also to Fred Prohl, our innovative and thorough Secretary/Treasurer, who always seems to have every situation in control, for having everything we could possibly need to handle the registration lines, new memberships, etc. I hope you took notice of the map he displayed that showed the demographics of the IHRS membership. Janet Dell Freeman and Shirley Gross skillfully and tirelessly handled the registration desks on Friday and Saturday. How can we thank them enough? Keeping records straight and everybody happy was demanding to say the least.

We had an excellent contest this year. What "neat" stuff! Some of the exhibits make one feel rather inadequate when it comes to having and/or displaying nice radios and all the "context" needed to show that equipment to best advantage. If the members who set up outside didn't take time to look the contest items over they missed more than they'll ever know. Thanks to George Freeman for so efficiently conducting the contest. This year we added a special "People's Choice" award which was presented, with the Best of Show award at the Awards Banquet held Friday evening at the Ponderosa. Contest results are reported by George elsewhere in this Bulletin.

I wish to thank Ed Dupart for conducting the seminars again this year. They were held in the air-conditioned building right after lunch. They were well attended, interesting as usual, and thought provoking. I like the give-and-take with Ed's presentations where questions, suggestions or "hints-n-kinks" are solicited from the audience. This makes for a fun and informative time.

Last but not least, many thanks to those of you who were considerate enough to help us set up and tear down tables on Friday and Saturday. Ramona and Glenn Fitch, George and Jan Freeman, Fred Prohl, Sandy and Les Freed, Alex Whitaker, Mike Feldt, Shirley Gross. This ends a whole page of "thanks" to those who worked so hard to make the Spring Meet a success. But it wouldn't have been a success if you, our valued members, didn't attend and insure that it was a successful meet.

If you didn't attend the Awards Banquet on Friday evening you may not know that, on this 30th anniversary of our founding, we honored our remaining Founding Members with LIFE MEMBERSHIP certificates and special engraved name pins with IHRS logo, member's name and the words in bold type "FOUNDING MEMBER" at the bottom. When you see someone wearing one of these very distinctive name pins, give him a salute. Would there have been an IHRS without them? The remaining founders are, Gary Vierk, James Fred, Ed Taylor, Don Johnston, James Thomas, Marshall Howenstien and Serge Krauss

The officers and members who participated in the business meeting held after the Winter Meet, (you all were invited) voted to offer each member (family) a special commemorative cup to highlight our 30th year. Each member who registered at the Spring Meet received a distinctive blue cup with the IHRS logo and a large "30" with the dates 1971-2001. Members must attend a meet this year to get their cup. After our last meet in Oct, we will decide how to get cups to those who have not attended any of our meets. I will have a supply of cups at the AWA meet this year in the event I see some of our East coast or international members.

We have some urgent decisions to make very soon regarding the Spring Meet 2002. Here are some things to consider. Should the Spring Meet be one day or two? Do we

want to continue with the Awards Banquet? This years banquet was attended by 42% of the Friday registrants...not too bad, but that's because it was held on Friday evening, not Saturday when most people will want to be on the road home. Should we go back to the first weekend in May now that we have a weather-proof meeting place? (We won't have it if we don't act fast.) Let us know what you want. Do you want the Spring Meet to regress to a one day event to be held Saturday only with possibly no set up on Friday night? Shall we do away with the auction? Do we want to give up our traditions? Your participation and suggestions will go a long way in shaping the meet situation for subsequent years. We'll listen to all your ideas but get them to us quickly. **Let us know now!**

How about volunteering to help at one of the meets or consider "running" for an office at the October elections in Greenfield. Alex Whitaker is the Election Nominating Committee Chairman. He can be contacted at 317-535-4174 evenings, or Email: ehscott@iquest.net. Think it over. Give Alex a call or nominate yourself for an office "from the floor" Oct 13th.

Shirley says to please contact her if you know of anyone who is ill or is celebrating an occasion that the IHRS should recognize so she can send a card from the membership.

Check the IHRS website lately? It links to our museum, the AWA and ARC magazine. It's www.indianahistoricalradio.org

Speaking of ARC magazine. In the July 2001 issue, page 15, they have featured the IHRS in their CLUB SPOTLIGHT. They published a comprehensive historical write-up about our society and congratulated us on our 30th anniversary. Thank you ARC!

Herman Gross, President IHRS

Comments From The Editor

Bob O'Friel

As I prepare this edition, I feel a tinge of nostalgia and sadness. This is the last "Bulletin" I will be producing as editor and I will miss the challenge, the contacts and the excitement of being involved in something so productive and rewarding. To date I will have produced some 17 of these publications which includes the preparation, printing, (through an external source of course), stuffing, sealing and mailing them at the post office. Have no fears, however. I have a backlog of some 29 Philco radios, (my collecting specialty) in addition to some Atwater Kents, Zeniths including a Shutter dial type, a National NC140D, and other radios awaiting restoration in cabinetry or circuitry. My hours will be accounted for. Edward Dupart will assume the duties of editing and preparing the "Bulletin". Ed is very knowledgeable and has been deeply involved in our hobby as you can tell by his past articles and from the seminars he has presented at our meetings. He has also represented himself well at a number of our contest events. His knowledge of computers will enhance future editions of the Club's publication. I know that I am leaving your best interests in capable hands.

A New Home for IHRS!!?????!!

The "Big Event of the Year" that we just celebrated on June 8th and 9th may have had some additional benefits. The facilities were excellent and the location was easy to find. Glenn Fitch, who suggested the site and booked it, is to be congratulated along with Herman Gross for approving the choice for the celebration. The positive reaction from the attendees went further than was expected. The show was set up with the thought in mind that the inside location would be "booked" first allowing for overflow into the covered pavilion area. The vendors quickly decided the choice by flowing into the pavilion. Why not? The weather for the show was ideal and it was very easy to back one's trailer, van, car or truck right to the best location for setting up the displays and merchandise. Many favorable comments were heard to the effect of "this is the greatest location yet". Indeed some 91 dealers signed in for the meet. Now, bear in mind, the fairground location also offered the advantage that, if inclement weather had made an appearance, the main 4H building offered heating or air conditioning which could be used. If we had filled that facility, the overflow could have gone into said pavilion. The motels were close enough enabling easy access thus proving that the show doesn't have to be based at a motel. In short, this could be a good usable site for the Winter and Spring meets as well as a possible site for the "Fall Foliage" event. The Ponderosa Steak House on Route 9 answered the need

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(Comments From the Editor, continued)

for a good "Awards Banquet" location meeting the low controllable price sought for members attending this celebration along with 'good and plenty' food. (Remember the \$15.00 per plate fee we faced at the Ramada Inn at Kokomo several years back?) Disabilities prevented the "CharlestonChasers" from participating in this year's event and, as noted in Herman's report, attendance was down. Other entertainment solutions to this could be found and perhaps the future "Awards Banquet" can once again take advantage of this type of attraction to boost additional participation.

In turn, kudos to Herman for selection of the coffee mugs with the IHRS name and logo that were given to all who attended this meet. It added a distinctive touch to the ceremonies.

The final touches that were really appreciated by all were the brass Name Tags and certificates that were given to the charter members who founded the club. Herman orchestrated the event to perfection surprising and pleasing all. Had many known of the details of said awards, perhaps we could have realized better attendance. However, then the surprise element would have been missing that was so enjoyable.

I again want to thank the Club for having given me the opportunity to have served the IHRS needs. I also want to express my gratitude to Fred Prohl, Dr. Michael Clark, Dr. Ed Taylor, Mike Feldt, Herman Gross, Ed Dupart, Ray Andrejasich, "Grey Behr", Bob Snively, Fred and Marcella Schultz, (who do such a great job setting up and running the Museum), Herman Gross, Walt Sanders, George Freeman, Pete Yanczer, Edward F. (Ted) Rogers, George Hausske, Alex Whitaker, Jim Cross, J. A. McCombs, and Serge Krauss. These members have supplied photographs and/or articles and other information that appeared in the "Bulletin". Special thanks to Fred Prohl who updated the mailing list and then printed and applied the shipping labels for these last 2 "Bulletins". A posthumous tribute is due to Ross Smith who kept me advised as to what was developing with AWA and in the Northern sector. He also published a newsletter for that territory and sent me copies so that the information could be listed in the "Bulletin". We definitely have a problem in replacing Ross but Terry Garl and Ty Gregory have been meeting the challenge. Others have sent me information about meetings held by other clubs. My thanks to them and to all who have the interest in the Preservation for Posterity concept that is, after all, the purpose behind this great Club.

In the meantime, I'll see you wherever Radios Live!!!!

Bob O'Friel, Retiring Editor, The Indiana Historical Society's

"Bulletin".

Tube Testers~~Food for Thought

Bob O'Friel

Tube testers can be a real boon at times. Many years ago, I worked for an electronic parts distributor in their test equipment department. I always felt it necessary to be of service to the customer. At that time, we had 3 or 4 brands of tube testers, and some brands had several lines of these. Up to the time I came aboard, the most popular brand of tube checkers was a unit selling for \$125, (1949 pricing) that was made by a local manufacturer. We also had the Hickok line which included a Mutual Conductance tube testing unit and the several models of these averaged around \$175. I studied the differences between all of the units and, in doing so, found some inherent properties that led me to believe that Hickok offered the best advantages as to determining whether or not a tube was doing what it was doing what it was supposed to do. It more nearly set up the dynamics of actual circuitry. I developed the following technique. I would pull a 6CD6 or similar tube having the plate cap on top. I then would show the potential customer how to setup the test procedure. Upon testing the tube, I would then disconnect the plate cap. The Hickok meter would then drop to "0" or "bad". I then prepared the competing brand to test the same tube. After testing the 6CD6 tube and noting the readings as "good" or "125%" or better, I would then disconnect the plate cap and ask the customer to hit the "press to test" button. When the meter indicated "good", without the plate cap connected, I let the buyer make up his own mind. In all of the time I used this approach, only one customer ever bought the lower cost unit. He had carefully budgeted his equipment investment in setting up a new shop and I respected that. This sales approach greatly increased the sales of specifically the Hickok 600 but, of coarse, resulted in a downturn for the local manufacturer. Those who have Hickok testers realize that there is a set of 7 knobs used for setting up the tests. Reading from left to right in the Hickok 600s, 6000s, 532, 539 etc. testers, the first two are for setting the filament pin connections and the switch positions are labelled "A" through "K" for position 1 for the left switch and "P" through "Z" for number 2. Then there 6 other switches for connecting other socket pins which are set to the tube chart readings. If you wish, take a marking pen and starting with that third switch, mark "G" for grid. The next switch to the right is to be marked "P" for plate, followed by SG for screen grid, K for cathode, and SuG for Suppressor Grid, completing the identification of the major controls. Now utilize a tube manual with base diagrams and specification as to micromos reading and you should be able to test almost any tube by finding tubes on the chart that have similar gains and setting the Bias and English controls to match. Set the pins on the tester to match the pin-outs shown in the manual and you're ready to test O1A's etc..

Bob O'Friel

PASSING

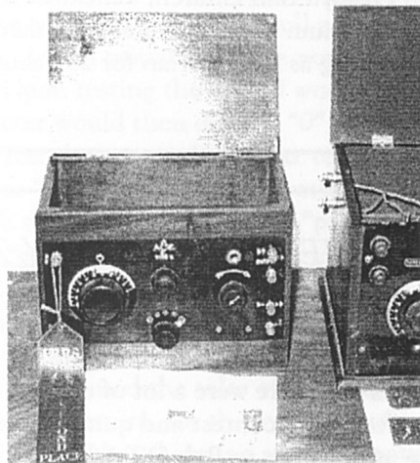
Ed Taylor, our historian, sent the clipping from the paper on this release. Helen Roth Howenstein, 95, of 2741 N. Salisbury St., West Lafayette, died at 02:05 am, Wednesday, Feb.21, 2001 in Westminster Village of West Lafayette, where she had resided since 1976. She was born March 30, 1905 in Boonville where she resided until coming to W. Lafayette in 1936. She attended Boonville public schools, earned a bachelor's degree from Western College for Women of Oxford, Ohio in 1929 and a master's degree from Northwestern University in 1940. For 30 years, she taught vocal music and English, teaching 20 years in West Lafayette high schools. On 7/19/42, she married Marshall C. Howenstein in Boonville. Mr. Howenstein was the music director at West Lafayette High School. Helen was the wife of Marshall who is an honorary member of I.H.R.S. Mrs. Howenstein was a 50 year member of Central Presbyterian Church, a member of Chapter D at PEO, 3 o'clock Club, Colloquium Club, and a charter member of Lafayette Symphony Association serving as its historian for 25 years. There are no other immediate survivors.

WINTER MEET, FEBRUARY 24, 2001

Here is a more complete and corrected report on that Show which was blessed with good weather and good attendance. The "Old Equipment Contest" had only 2 categories but there were a lot of entries. Microphones became a different but interesting contest and quite a number of entries were displayed. A first place award went to Bob O'Friel for his restored factory display board that was put out by the Astatic Corporation in the 1940s that had representative samples of the many mikes made by said company at that time. It was accompanied by a listing of the types shown with a description and a brief History of the company. (A more complete Astatic Story appears else-

where in this issue). A second place Red Ribbon was awarded to Jeff Cummings for his entry of a Continental Spring Microphone which is very representative of the types used in the 20's and 30's.

The second category was based on factory type 1 tube radios. The great man from Missouri and former editor Peter Yanczer captured the Blue Ribbon award with his rare "Splendid Jr. table model. In turn, Ed Dupart, who honored us with an article on the Crosley Model 51 in the last issue, received the Red Ribbon for his excellent Crosley V Special. The photos were supplied by our secretary/treasurer, Fred Prohl.

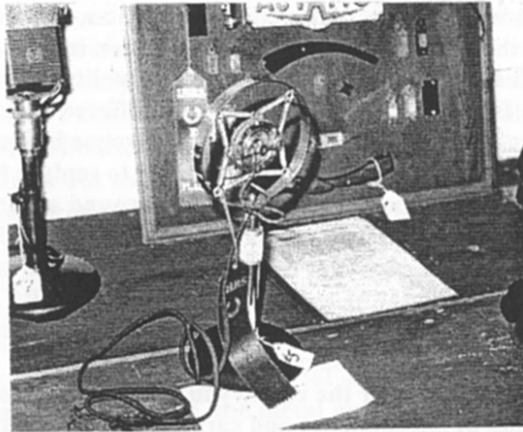
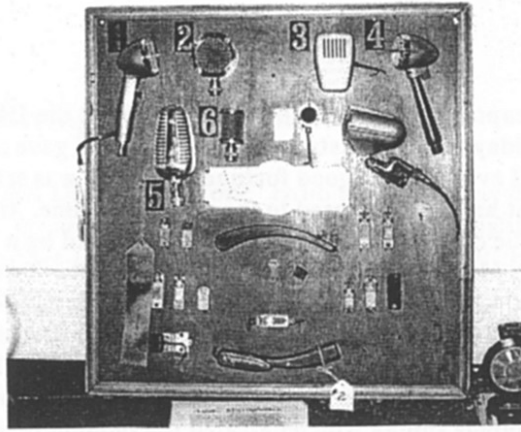


Old Equipment Contest, Winter Meet, Feb. 24, 2001

Category: Factory Made 1 tube Radios

The upper photo shows a "Splendid Jr." which awarded a Blue Ribbon to Peter Yanczer from Warson Woods, Missouri.

The lower picture shows a Crosley V Special submitted by Ed Dupart from New Castle, Indiana. He received a second place Red ribbon for this fine entry. Ed's article on a Crosley 1924 , Model 51 appeared in our last issue.



Old Equipment Contest, Winter Meet, Feb. 24, 2001

Category: Microphones (Pictures supplied by Fred Prohl)

The photograph at the top is that of a 1940's Microphone display with 8 sample mikes. A booklet had been prepared that identified the mikes and listed specifications and descriptions. Bob O'Friel received a first place Blue Ribbon for this entry.

The next shot displays the excellent "Continental" spring mounted carbon mike that was entered by Jeff Cummings from Spiceland who earned a second place Red Ribbon.

The Astatic Story

Bob O'Friel

Microphones captured some considerable interest at the IHRS Spring meet at the Holiday Inn. The Astatic display I entered gave me the first "Blue Ribbon" I ever had the good fortune to win. It was set up with a demo board that had been exposed to the ravages of time. It took a lot of cleaning of the different mikes. It was accompanied by a brief overview of Astatic's identity. Here are more of the details. Two amateur radio operators, C. H. Chorpeneing, W8WR/W8MJM, and F. H. Woodworth, W8AHW were undertaking to try to develop a new low cost microphone that would be useful to the "Hams" as they were called. Their initial work had been along the lines of "Condenser mikes" which required a high voltage supply which defeated the thought of economy. They met Charles E. Semple, an engineer with the Brush Corporation who held the basic patents for the usage of Rochelle Salts crystal elements as voltage producers. These utilized the activation of the crystal by direct coupling of a phonograph needle to said element or a diaphragm as in a microphone. After comparing notes, Charles joined the two hams and they formed the Astatic Corporation in 1930 in Youngstown, Ohio. They were able to supply a better quality microphone at a lower cost to a fair sized market. These units offered better fidelity than the low quality carbon mikes that were in vogue in those days. They also developed a low cost crystal cartridge to replace the old massive heavy magnetic phono pickups that were around at that time. They grew so much that they moved to larger, better located microphone and phonograph cartridge manufacturing facilities in Conneaut, Ohio supplying parts to OEM users such as Philco, GE, RCA, Magnavox, Admiral and other such names. The display board that was exhibited at the I.H.R.S. February meet was one of several sent to Astatic's distributors all over the country in the early 1950's. It contained samples of microphones and cartridges of a fair sized portion of their entire line at that time. The display included the D-104 mike that is familiar to many hams. It had high output, (-48 db). The case design eliminated R.F. feedback problems previously encountered in other designs. The WR-20/WR-40 mikes are rarely seen now but did offer high fidelity solutions to the amount of signal that was lost due to cable capacitance. The WR-20 had the two elements stacked vertically and was able to handle 100 ft of cable. The WR-40 contained 4 elements of varying sizes and was usable with up to 200 feet of the wire. It had very good low frequency response as I was able to determine when using a WR-40 to record a pipe organ some years ago. It needs to look into a minimum 10 megohm input resistor.

Bob O'Friel

Reviving a Philco Tombstone Radio

Ray Andrejasich

A Philco 37-610 Art Deco "tombstone" radio arrived on my doorstep for Christmas, 2000. It came in a black garbage bag with a bright red bow, courtesy of my brother-in-law Tome and his wife Rosie. With the exception of 3 tubes, all the pieces were there. My first step was to contact Dick Bergeron at Electron Tube Enterprises, P.O. Box 8311 Essex, Vermont, 05451 and request a schematic....\$3.00 regardless of the number of pages to be copied. He also supplied me with the missing tubes, (Dick carries an inventory of over 2000 different tube types in stock). His free annual catalogs usually have photos of restored radios on the glossy cover. He has a web page at <http://members.aol.com/etctubes> .

Once the receiver had its full complement of tubes, I used a variac and a 40 watt bulb as a series load to slowly bring the chassis voltage up to 120VAC. This resulted in a very loud 120 cycle hum from the electrodynamic speaker, telling me that the electrolytic filter capacitors needed to be replaced. The local Radio Shack store only carried low voltage lytics for transistor equipment, so in my search I discovered there is a commercial catalog, (610 pages) available free from RadioShack.com, (1-800-442-7221, ask for Lisa), in Fort Worth, Texas. Check out their web site at <http://www.radioshack.com> . The catalog had my high voltage (450 VDC) lytics. Interestingly enough, the catalog contains 30 pages of electronic kits, which reminded me of Heathkit. Once I received the capacitors in the mail, the old lytics were cut loose, not removed, (so as not to alter the above chassis aesthetics. The small new lytics were then wired under the chassis, using terminal strips (also from Radio Shack). It was great to turn on the set and find it working perfectly! I made a great mistake in ordering the metal version of the octal tubes used in the receiver. You'll note in the photos that all the tubes, except for the 5Y4G rectifier are metal. In one of my reference books, it was reported that Philco never adopted the use of the metal tubes, (introduced in 1935). The company did not see a need to switch to the new tubes when the equivalent glass tubes had been doing a good job. Looking at the tube layout label in the cabinet, it did call out the 6A8G, 6K7G, 6Q7G, and 6F6G in the complement. Had I paid a little more attention to the chassis, I would have noticed that the 6K7G IF amp and 6Q7G 2nd Det./1st audio sockets did have a flange did have a flange for snapping on a metal shield, (the shields must have been lost during the life of the radio). The radio was built in 1937, the year Philco first adopted the year-prefix

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(Reviving a Philco, continued)

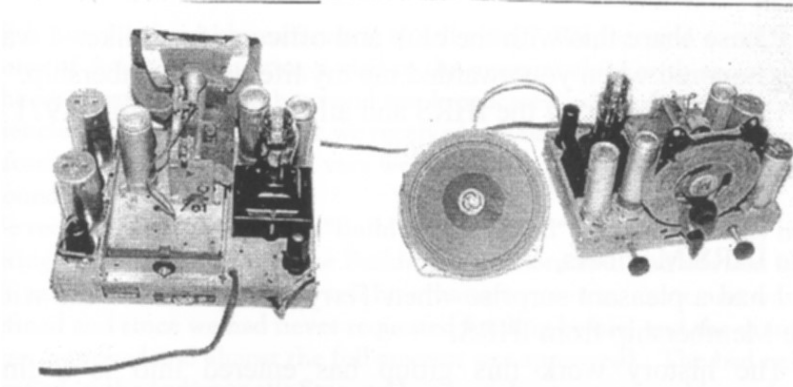
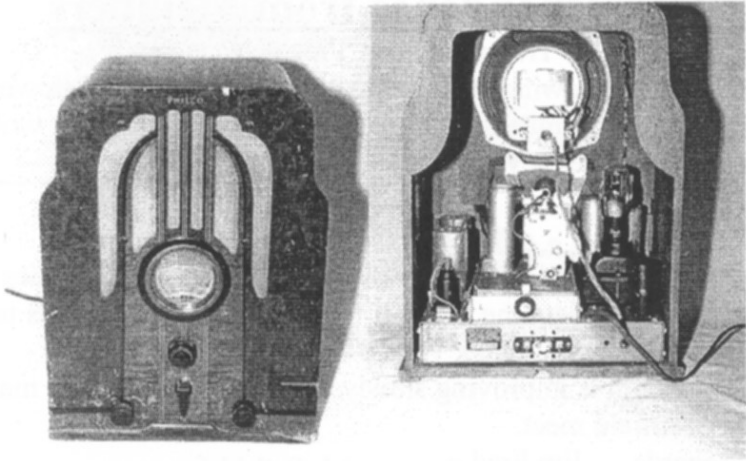
designation in its model line up, thus the model number 37-610. The chassis had some interesting features. In the same year (1937), Philco adopted a new form of chassis assembly called "Unit Construction". It consisted of a sub-chassis containing the tuning condenser, bandswitch, coils, tube (s) and related components, mounted with rubber cushions in the middle of the main chassis. This had the IF and second detector stages on one side, and the audio output and power supply on the other side. The models with unit construction were, and still are difficult to service, especially the sub-chassis. The power supply is unusual in that the rectifier socket (5Y4) is mounted on the power transformer bell-housing, so that the rectifier tube sits piggyback on the transformer itself.

The band coverage is 530 to 1720 khz, 2.3 to 7.4 mhz, and 7.35 to 22 mhz.. The radio has a round escutcheon with a curved window in the middle through which the dial can be seen. This design continued to set Philco apart from the rest of the industry. The receiver has a band spread dial (new for 1937) that rotates 270 degrees even though the tuning condenser only turns 180 degrees. Philco called this their "Foreign Tuning System" making it easier to tune in stations on the short wave bands which were becoming popular. An interesting lamp placement projects a vertical light bar, (cursor) on the rear of the dial scale. The bar moves up or down to indicate the proper band as the bandswitch is rotated.

The Art Deco "tombstone" cabinet was first introduced by Philco in 1933. Like the cathedral style radio, the tombstone style cabinets' days were numbered. The cathedral radios were last produced in 1937, but the tombstone radios continued through 1938. The cabinet of the model I have will be a challenge to restore. At first glance, I thought it would be a simple strip and refinish job. However, a closer look at the front of the cabinet revealed that the woodgraining, striping, and marquetry are artificial possibly painted over the wood, (actually a photo process). A paint stripper would remove the personality of the front panel completely. At this point, I am open to any recommendations from those of you who may have tackled a Philco Art Deco "tombstone" cabinet for restoration.

Ray Andrejasich, 11847 Pebblepoint Pass, Carmel, IN 46033

Phone (317) 846-6977



Top photos, front and rear view of Ray Andrejasich's Philco 37-610.
Bottom shots reveal front and rear views of the chassis.

About the author!

I first met Ray when he was an engineer in the Test Equipment group that worked in conjunction with manufacturing at P.R. Mallory in Indianapolis. This group designed equipment to test the Mallory components that were made there at the plant. This was at the same time that Dr. Ed Taylor was head of the metrology department with the same goals. I believe that both Ray and I were introduced to IHRS and we both were recruited. Ray has gotten "the Bug" and now has another restoration project on his bench. We look forward to getting a report on that project.

Correspondence from Members

Herman Gross, President

I received the following letters regarding the honors bestowed on our Founding Members and want to pass along the writer's comments because they are directed to the membership.

Dear Herman:

I was surprised and pleased to open the box of goodies you sent me. I appreciate the effort it took to assemble the gifts to the founding members. I thank you all very much.

My health is improving slowly. I am going to try and make it to the Greenfield meet.

Regards, Jim Fred

Herman -

Please share this with the club and officers if you like. I was deeply honored when you awarded me my life time membership.

I am very proud of the IHRS and all that it stands for. 1971 – 2001!! A great 30 yrs. Thank you.

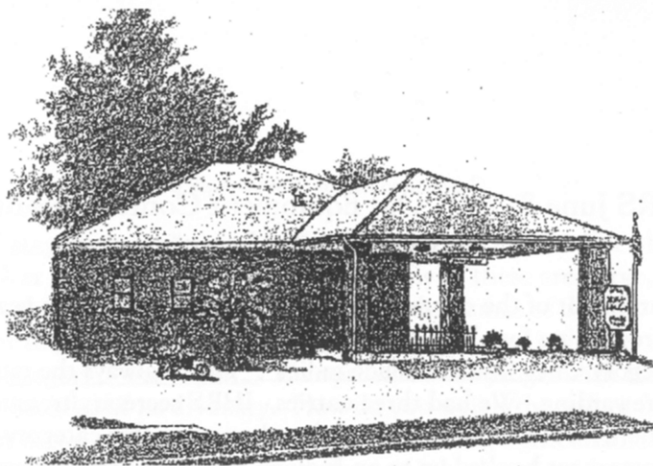
Sincerely, Jim Thomas

To the IHRS Members,

I had a pleasant surprise when Terry Garl presented me with a Life Membership from IHRS.

The history work this group has entered into is a fine community service. Ross would be so pleased! Thank you for thinking of me!

Sincerely, Wava Rose Smith



I.H.R.S. Museum Report

Fred and Marcella Schultz

With summer here, the museum is in full swing. We received a call from the Voice of America requesting a visit to the museum along with an interview. The visit lasted about an hour and was broadcast world wide on several frequencies. After the broadcast we received a message from Voice of America informing us that it had been very well received, comments came in from around the world.

We received a grant from the "Build Indiana Fund" to do some badly needed wiring and construction on the Building. (ed. note: Fred had advised me that the person in charge called to tell him that after review, our cause was well defined and since we had never requested funding before, and the grant had been approved and almost the full amount was approved). The bad news, (as verified in the Indianapolis Star etc.), is now due to some problems that developed, with said "Build Indiana Fund", and a moratorium was placed on it. At this time, seeing that part of the moratorium has been lifted, it is not known if the funds for our project have been released, or what the timetable is for final resolution.

New items added to the museum include a great 2 tube Magnavox amplifier with perfect decals, microphones, tubes, battery radios and a lot of literature. Four additional highway signs giving directions to the museum have been installed giving us a total of 7 signs along 3 major highways. If you need information about the museum, you can contact me at (219) 894-3779 or (e-mail) olradio@ligtel.com . Remember, our summer hours are Tuesday through Saturday, 10AM to 3PM. We look forward to seeing you at the museum.

Fred Schulltz, I.H.R.S. curator.

(While we are at it, Fred and Marcella are to be congratulated and thanked for their efforts in setting up and running this remarkable institution. It takes far more hours than are shown.)

IHRS June 8, 2001 Old Equipment Contest Results

by George A. Freeman

From the standpoint of the contest committee, the quality of this year's contest was rewarding for all to behold. There were 15 entries.

Category One, "Indiana made radios". This is always the most challenging but rewarding. We had three entries. IHRS secretary/treasurer, (and former president), Fred Prohl took first place honors in this category with a King Cole battery set hooked up to an Indiana-made Orchestrion reproducer. His documentation included a brief history of the company. Accompanying context, (a new dimension introduced this year), included a large silent movie poster of the period and several items that used the word "radio" that used lightning bolts to label and market their products. These included a radio stocking and an in-store display case, a radio shoe lace holder. More context included year by year synopses of historic events of several 1920's years. The judges, (5 this year), awarded this entry with our handsome "Best of Show" statuette.

A close competitor in this category was long time Indiana-made radios aficionado, Mike Feldt. His large entry included 5 different Wilson radio models and abundant historic documentation including oral history interviews with Mr. Cass, the man who was "Wilson". From these we learned why there were so many different cabinet styles of Wilsons. Many were one-of-a kind bargains that Mr. Cass picked up from cabinet manufacturers' left-overs. After large manufacturers had picked over the offerings and ordered perhaps thousands of a particular style, Cass hauled away the rejects or leftovers. For his efforts, Mike received the second place red ribbon and, more importantly, a coveted "People's Choice" award. This year was the first year we've included this large purple and green award with a rosette proclaiming "Special Award".

Category 2, "Speakers". This one saw Fred Prohl earn a second blue ribbon for his seldom-seen largest of the Music Master reproducers. The second place, red ribbon was a very close competitor. This was Robert Avey's King Amplitone working and playing a cassette of Abbott and Costello's famous "Who's On First" radio and motion picture comedy routine.

Category 3, colorful radios had but one entry. This was IHRS co-founder, Dr. Ed Taylor's Airline "Lone Ranger" radio. Accompanying documentation included several Lone Ranger premiums; a variety of rings plus a Lone Ranger belt. This entry proved to be a strong competitor garnering a significant "Peoples' Choice" vote size.

(continued, next page)

(Old Equipment Contest, continued)

Category 4 was "crystal radios". Don Joyce earned first place with a World War I entry. Readers may know many of these are, large, very heavy and very valuable items. Each can be worth thousands of dollars. Second place went to John Leming for his Pandora. This entry brimmed with context.

Category 5 was "open". This provided the judges with their greatest challenge because of its diversity. How do you weigh the values for a home brew color organ enhancer against working, flashing lighted radio manufacturers' signs? The judges awarded first place to John Lemings' huge display of battery eliminators and chargers. This turned out to be an entertaining mix of artifacts, advertisements, and context such as a toy train locomotive. That such a topic could poll second place in the "Peoples' Choice" balloting was testimony to John's craftsmanship and innovative abilities as a historian.

The second place award broke out of a tie. The nod went to former IHRS president, Alex Whitaker. His entry consisted of two clock radios that belonged to his mother and his aunt. Provenance included a 1952 photograph of the two taken at Madison, Indiana's Hanging Rock Hill. The two were posed with a 1948 Pontiac. The entry had a warm, Norman Rockwell feel of nostalgia

This year, another first was introduced to the competitors, cash prizes! Each of the first place winners was presented with a check for \$10.00 and a color certificate documenting the competition, the date, the winner's name and the name of the winning entry. Cash prizes were provided by RALOGEUM, (RA for radio/LO for lodging/EUM for museum). The writer hopes to have RALOGEUM's vintage radio/TV/microphone museum and two apartments complete at Madison, Indiana in 2002.

With five judges the committee was able to field a non-biased vote on each category even when one of our numbers was an entrant in the competition. Judges are forbidden from voting in categories in which they had submitted entries. Judges were IHRS president Herman Gross, IHRS secretary/treasurer, Fred Prohl, IHRS editor Bob O'Friel, Bill Morris, and contest chair was IHRS vice president George Freeman.

The contest committee thanks Glenn Fitch for finding our new site this year, the Hancock County fair grounds. We found the 4H building ideal for the needs of those attending, and for our needs as judges. George Freeman. IHRS vice president.

IHRS 30th Anniversary AWARDS Banquet

June 8th, 2001, Greenfield, Indiana

At the top, founding members Dr. Ed Taylor and Don Johnston are seen sharing the honors bestowed upon them which included the framed Lifetime Membership award and the brass name tag.

Down below, Jim Thomas of Kokomo was on hand with his mother to accept his recognition.

All celebrated with a good meal at the Ponderosa Steakhouse in Greenfield.

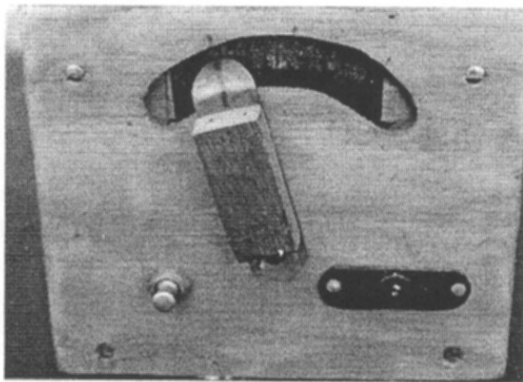


Photographs courtesy of Herman Gross

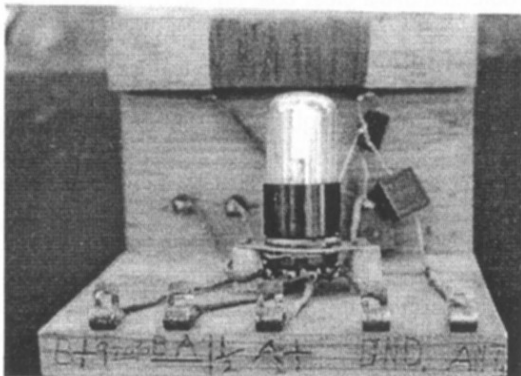


Updated Info, "FALL FOLIAGE MEET" awards

As noted on pages 8 and 9 of Volume 29, #4. the WINTER edition of the "Bulletin", Mike Clark won the First Place, Blue Ribbon award for his entry in the contest held at Greenfield on October 2nd, 2000 meet. The category was based on "Home Brew" sets. Due to photographs not being labelled when they were submitted, the wrong picture was shown in that issue. The photos below are of the front and back view of the radio he had on display. He stated that he bought the set at one of the Elkhart meets several years ago. Since the time for that meet is coming up on Saturday, August 25th this year, this may serve as a good reminder to be there. Mike supplied the picture.



Note the terminal markings on the "chassis board".



GETTING THAT POLISHED LOOK

By Edward Dupart

June, 2001

MATERIALS NEEDED:

1. #400 wet/dry sandpaper
2. #600 wet/dry sandpaper
3. #1000 wet/dry sandpaper
4. White polishing compound
5. Orange polishing (rubbing) compound
6. Very fine steel wool
7. Clean cotton cloth
8. Water
9. Elbow grease
10. Patience
11. And more patience

About 20 years ago when I started attending antique radio meets, I would see some radios that were done in lacquer and had a piano smooth mirror finish and I would wonder how they did it. I had painted a number of cars and didn't realize at the time that some of the same techniques used in painting cars could be used for refinishing furniture and radios. Years later I applied these techniques and had very good results. I'm sure others have different methods to achieve the ultra smooth finish and I would be interested in hearing about them, but here are the steps I use:

1. Assuming you have the wood stripped bare and thoroughly cleaned, apply a thin coat of lacquer or paint. Let it dry. At this step, use your colored lacquer to achieve the desired color and in future steps, use a clear lacquer. If you are using paint, just keep on building up coats of paint or you could use a clear coat on top of the colored paint.
2. Using the very fine steel wool, lightly sand the finish, being careful not to take it down to the bare wood. Use a dry cloth to buff the finish.
3. Apply a thin coat of lacquer or paint. Let it dry.
4. Using the very fine steel wool, lightly sand the finish, being careful not to take it down to the bare wood. Use a dry cloth to buff the finish. It is amazing how the cloth removes the fine scratches from the steel wool and gives the finish a dull sheen.
5. Apply a thin coat of lacquer or paint. Let it dry.
6. I love the computer! I can keep repeating these steps, but I won't, but you need to keep repeating these steps until the grain is filled, with several coats on top of that to allow for the final sanding without going down to the bare wood. This is where the patience comes in.

7. After enough coats of finish have been built up and the open grain is filled, you can now take the #400 sandpaper and wet sand the finish. This is where it is important to have enough finish on the cabinet to avoid going down to the bare wood. Also, be careful of the edges and other high points on the cabinet as it is very easy to go down to the bare wood when sanding in these areas. Sand just enough to get the finish smooth. Using the cloth, wipe the surface clean so you can check on your progress. Do this often to make sure you don't go through to the bare wood.
8. After your initial wet sanding, buff the cabinet with a soft cotton cloth and inspect the cabinet for thin or bare areas. You may want to apply another coat of lacquer or paint. Let it dry!
9. Wet sand using the #600 sandpaper, then try the #1000. Wipe the surface clean often, using the cloth, so you can check on your progress.
10. At this point you can probably use the white polishing compound. If it doesn't seem to be cutting enough, try the orange compound. Be careful! The orange compound will cut through quickly! After using the orange compound, go back and use the white compound.
11. It is with the white polishing compound that you get the super shiny smooth finish and this is where some of that elbow grease comes in. I use a little bit of water with the compound and then I polish it until it gets somewhat dry and a little heat develops with the polishing. Then I take a clean dry cloth and wipe it clean while polishing it at the same time. With some practice, you will develop a technique that works for you.
12. If you want a smooth dull sheen, don't use the polishing compounds, just use the very fine steel wool and then polish with a clean dry cloth with a little elbow grease.

You may wonder why I didn't use a grain filler and the reason has a lot to do with the color of the fillers. I have watched videos on how to do it, but I haven't achieved the results I wanted and so I decided to fill the open grain with the actual finish. I would suggest you experiment with junk radios or furniture to get your technique perfected.

Also, I have used lacquer and paint interchangeably in my steps above, and that is because some radios were painted and I have used the same techniques for painted radios. For plastic (non-Bakelite) radios that have been badly scratched I have used the wet/dry #400, #600 and #1000 sandpaper and polishing compound to remove the scratches and have achieved good results.

Good luck and have fun!
Edward Dupart

RADIOADS

These ads are free to IHRS members. Please limit them to 100 words. Unless we are advised otherwise, we will run ads for two issues. The exception would be where services, etc. are being listed. Please send your ads to the editor at the address shown on page 2.

For Sale: Book: "From Crystal to Color", the History of Radio/TV Station WFBM, Indianapolis (1924 to 1964) by George S. Madden & Burk Friedersdorf. First edition 1964 published by WFBM. Has 190 pages and is in excellent condition complete with dust jacket. Price, \$25.00

Novelty radio, solid maple wall telephone, excellent condition--\$30.00

Harry Blesy N9CQX ,

Phone/FAX (630) 789-1793

9S740 Clarendon Hills Rd.

Hinsdale, IL 60521

For Sale: Near mint copy of the AWA Review for 1998--\$20.00 postpaid. James Fred, 5355 S. 275 W., Cutler, IN 46920, phone (765) 268-2214.

FOR SALE: Reproduction Philco cathedral cabinet parts and reproduction cabinets for model 20, 21, 70, 90. Grandfather clock finials: Philco 570, GE H-91, Crosley 124. Philco Colonial Clock top trim and finials. Rider's Radio Index, 1 through 23--\$20.00 ppd. Books, SASE for list. All plus shipping. Philco cabinets, front panels, see page 22 in Volume 29, #4 the Winter edition. Other parts, inquire. Call or e-mail for details. Note new phone # and address. Dick Oliver c/o Antique Radio Service, 1725 Juniper Place, #310, Goshen IN 46526. New phone # (219) 537-3747, e-mail dolivears@aol.com

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(Radioads, continued)

FOR SALE: McMurdo-Silver Masterpiece V in a beautiful inlaid cabinet. Don Patterson and I both think that the cabinet is an Ozarka cabinet that was professionally redone for this set. This is in beautiful condition. Price.....\$2500.00. (It's for sale because I don't need 3 of these).

Coke Machine, Cavalier Model CSS173. Refrigeration works and it's all there including the key. Holds a lot of 12oz. (or smaller bottles). \$250.00

The McMurdo-Silver and the coke machine may be seen by appointment, but bring money. Mike Clark, 6484 East 350 North, Franklin, IN 46131.

Tel. # (317) 738-4649, e-mail ripmaclark@aol.com

FOR SALE: Photocopies: Hallicrafters S-22, Zenith 1000-1, Radiola III, 18, 60, 100A, 103, Majestic 52, and other radio, tube, and Test Equipment manuals. Also some Novelty radios. LSASE for list. N.I.B. Western Electric 421A-\$55 postpaid.

WANTED: Speaker/output xfmr. assembly for RCA 5T1.

Herman Gross, 1705 Gordon Dr. Kokomo, IN 46902.

(765) 459-8308, e-mail = w9itt@mindspring.com

FOR SALE: Novelty radios, N.I.B.: Pekinese Dog - \$20.00, Computer Mouse FM - \$15.00. Shipping extra. Steve Whited, 3637 W. 71st Street, Indianapolis, IN, 46268. (317) 298-9967.

WANTED:Philco 512 Mandarin Red radio w/212 Red speaker or 514 Nile Green radio with 214 Green speaker or 513 Labrador Grey metal radio with 213 matching grey speaker. I prefer the Red model.

Bob O'Friel, 7631 Cape Cod Circle, Indianapolis, IN 46250-1844
Phone, (317) 849.4028

WANTED: For Zenith model 6G601M portable. The knobs, front cover and Wave Magnet. Also need Wave Magnet for

(Continued, next page)

(Radioads, continued)

7G605 Transoceanic, I could possibly adapt one from a 8G005Y if available.

Robert C. Pote, 1181 Crestwood Dr.
Greenwood, IN 46143, phone (317) 881-4521
e-mail = mrzenith41@aol.com

Interested in TV history? Want to see how it started? Try this Web site. You'll be amazed how far we've come.

<http://pyanczer.home.mindspring.com/Tour> Note: all lower case except the upper case "T" in tour. Pete Yanczer, 635 Bricken Place, Warson Woods, MO 63122-1613

FOR SALE: Remler infradine amplifier, type 700, panel mounted on copper box, excellent condition less tubes--\$100.00 plus shipping. 3 used 201As--\$45 plus shipping. AK Model 49, includes battery cable, no tubes--\$100.00 plus shipping. James Fred, 5355 S. 275W, Cutler. IN, 46920, phone (765) 268-2214.

FOR SALE: Novelty Radios N.I.B.: Computer mouse-\$15.00; Pepsi machine, old style-\$20.00, shipping extra. Steve Whited, 3637 West 71st Street, Indianapolis, IN, 46268. (317) 298-9967.

FOR SALE: Book, "The Story of Kolster Radio", 1928, HC. 46pgs 8 1/2" x 11", color and b & w with silver borders, company history and product line, beautiful blue and gold book showing some cover wear otherwise excellent--\$50.00. Harry Blesy, N9CQX, 9S740 Clarendon Hills Rd., Hinsdale IL 60521, ph(630) 789-1793

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