

Vol. 27

Summer 1998

No.2



Museum sign north of Ligonier on SR 5, heading to & from Shipshewana. More news from our museum inside.



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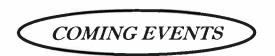
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Bulletin Deadlines, News, Articles & RadioAds—2/15, 5/15, 8/15, 11/15

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.



IHRS ANNUAL NORTHERN INDIANA SUMMER MEET.

Saturday Aug. 22, High Dive Pavilion, 500 East Beardsley Avenue, Elkhart, Indiana. Registration: 8:30AM, \$5.00/member/family. Swap/sell meet in east paved lot, (others, please park in front of the pavilion).

- 9:30AM---Enter contest items for popular vote. Categories are:
 - 1...Crystal Radios and other Passive Receivers with no transistors.
 - 2...One, two, or three tube radios up to 1930.
 - 3...Radios, four tube or over, up to 1942.
 - 4...Novelty Radios, tube or transistor.
 - 5...Your Favorite Radio.

 $10{:}00\ AM.....Place$ your items for the SILENT AUCTION on the inside table.

A 10% DONATION is requested from seller to defray meet costs.

11:50 AM.....CLOSE of the SILENT AUCTION.

12:00 Noon.....CARRY-IN DINNER. Bring a dish, dessert, or rolls and your table service. Extra silver and paper plates will be provided.

1:00PM.....CONTEST AWARDS and IHRS Business Meeting 2:00 to 3:00PM.....Swap meet continues.

For more information or a map, contact Meet Chairman, TERRY GARL. e-mail: IHRSELK98@AOL.COM, (219)679-4280 or ROSS SMITH, 1133 Strong Ave., Elkhart, IN 46514, (219) 295-7770.

From the Toll Road I-80 & 90, go south on Cassopolis Street to the deadend on Beardsley Ave. Turn left, (east), one block to the park pavilion. If you come via By-Pass US20 or US33 from Goshen, turn north from US20 and remain on Main Street North until you go across the North Main Street Bridge over the St. Joseph River. Turn right, (East), to the Park Pavilion.

IHRS FALL FOLIAGE MEET, Saturday, October 10, 1998, 7:30AM till ?????? Riley Park, Greenfield, Indiana on Apple Street about 1/4 mile east of State Route 9 and one block north of U.S. 40.

SWAP MEET AND EQUIPMENT CONTEST. Details forthcoming. Election of new Officers and IHRS Business meeting.

Contact: Alex Whitaker (317)535-4174 (after 6PM during week), or call Saturday or Sunday.

IHRS WINTER MEET 1999, Saturday, February 13th, 7:30AM till ???? Holiday Inn Southeast, 5120 Victory Lane, (I-465 at Emerson Rd. Exit 52) Details forthcoming. Call Dr. Michael Clark, (317) 738-4649 or Alex Whitaker, (317) 535-4174.

A Message From The President Alex R. Whitaker

Hello again to the membership of the IHRS. I have a few important issues to discuss with you. The most important of these concerns the annual IHRS/AWA "Spring Fling" Meet, our biggest event. But, before these, I wanted to pause and thank all those again who helped out with our meeting in May: Bob and Carol O'Friel, Walt and Glenna Sanders, Scott Beard, Ruth Clark and Mike Clark, and to all others who helped make everything come together and run smoothly despite bad conditions.

Once again this year, the rain was the big story of the meet. It rained most of Thursday morning, most of Friday, and some of Saturday. The weather was the same last year. The previous year at Kokomo had thunderstorms Friday night and rain on Saturday morning. Three years ago, it rained out part of Saturday morning at Kokomo. It seems that the weather just keeps getting worse every year.

This year however, the rain didn't completely destroy the meet. Those who attended had a good time talking in the hotel lobby while waiting out the rain. There were also some spectacular finds in the flea market, including an E.H. Scott World's Record Super 8 in its original portable fabric covered cabinet. This radio was very similar to the one that Scott took to New Zealand for his famous DX tests in 1925. It is currently the only example in this particular cabinet known to exist. Also, the entire collection of a deceased IHRS member was delivered to the meet in a big U-Haul cube van. There were more fantastic items in this lot which consisted mainly of 1920's battery sets and accessories.

The IHRS Awards banquet, which was held Friday night, was very enjoyable due to Bob O'Friel's jazz group, The Charleston Chasers playing 1920's jazz. Their hour long performance resulted in a standing ovation from the crowd. Many who were there said that the banquet was the most enjoyable one they had ever been to for ANY club. I would have to agree with them. The Charleston Chasers really were outstanding.

But, positives aside, the rain really was a problem. Just when the meeting got going on Friday, the rain started falling at around 1PM. This caused everyone to close up shop. By the time the rain let up a few hours later, there were few vendors left. Many packed up and went home because of the inclement weather. Because of this, there weren't many dealers set up on Saturday, and the auction turnout was somewhat dismal.

I, and many other members and attendees I talked to during the May meeting, feel that our big meeting would have a better chance for good weather if it were moved to June. Even though central Indiana has had its share of bad weather this June, rain like this is not the norm for this month. Rain in May, however, is quite abundant and normal. I believe that the rain and generally bad weather is greatly hampering the turnout for the "Spring Fling" meeting. We had, despite the weather, a record turnout. Just think how many more dealers and buyers would have shown up and stayed if the weather would have been better. Around 80% of everyone I spoke to about ways to improve the meeting suggested either moving it to June, or moving it indoors, or both. Moving to another location is not the answer. The Signature Inn is as good a location as could be found. There are plenty of volunteers in Indianapolis to help out with the setup and running of the meeting. It is also centrally located on a main highway, making it easy for the collector and general public alike to find it. However, moving the meeting from the first week in May to the first week in June seems to be the logical solution for our weather problems.

Some positives for moving the Meeting date are: the possibility for much better weather, and lower hotel rates and more plentiful rooms, (because the 500 will be over then). The negatives are: People are used to our meet being the first week in May. Also, our event has traditionally been the season opener for the summer radio shows in the Midwest. Addressing these negatives: Attendees have quickly grown used to our new location after we were in Kokomo for several years. So, they could get used to the meeting being in June. We would also continue to be the season opener. Even with the move to June, our "Spring Fling" would continue to be one of the earliest shows as it would precede the Cincinnati and Lansing meets.

All reasoning aside, your IHRS officers do not want to move our "Spring Fling" meeting date if it is against the will of the membership. We are Including a postcard ballot with this "Bulletin" so that you may express your opinion on whether the meeting date should be moved to June, or kept in May. Please send in the postcard promptly, as plans for next year need to be put into action as soon as possible.

If the May meet is moved to June, then a conflict would exist with the Noblesville event. We would then move that show to a date in July that would not conflict with the "Indy Hamfest" or the Lansing (MARC) Radio "Extravaganza". Looking at the dates that are available, it would

have to be in the second half of July. This could easily be done.

Speaking of the Noblesville show, it turned out great, as usual. We had to move it this year to the Noblesville 4H Fairgrounds due to the temporary unavailability of the Forest Park Inn. The fairgrounds site was so good and less expensive than Forest Park, that the meeting will probably be held there next year. There is much more room for flea market activity, and the facilities are just as good as Forest Park. The 1920's operating battery set contest had 5 entries, with Mike Clark's Ozarka Senior S-1 taking first place. See Mike Feldt's meeting wrap up for more contest details.

Also, a special thanks to Mike Feldt, Bob and Carol O'Friel, and John and Deanna Howard for helping to set up the facilities and contest at Noblesville.

Thanks also to all of the ladies who helped set up the luncheon. So, make sure to vote on the future of our spring meeting. I'll see you all at Elkhart in August. Plan to attend the business meeting after the luncheon. We need your input!

Alex R. Whitaker, President IHRS



This crystal radio is a 1920s Darleye of the W.S.Darleye Company of Chicago, Illinois, which dealt in scientific instruments and apparatus. The set is actually a relabeled Victor set manufactured by the J.K. Corporation. This radio comes with a matching Darleye headphone set and tuning is accomplished by changing the inductance of its internal coil with a swiping armature attached to the dial knob.

Comments from a Co-Editor By Bob O'Friel

Well, once again we were visited by the rains, (in depth) but in spite of all of that, everyone seemed to come up with the same comment, "we had fun!" I'm speaking of the May meet. As usual, we learned a lot and although this year's meet seemed to go more smoothly, there are some things that will help next year's show to be improved. Our president, Alex Whitaker has suggested that we should change the timing of the event to take advantage of a more settled weather season and I am inclined to agree. Read the "Message From The President" column and then, take advantage of the post card that you will find in this edition, then vote your preference and mail said card. Getting back to the rain issue, it created a continuing series of problems. For example, I went home to get the piano for the Friday night banquet along with the other instruments only to run into the severe storm on the way back. I-465 had come to a complete stop and we had to return via an alternate route which had narrowed from 4 lanes to one. The original plans had called for an announcer from WICR to be on hand to conduct the evening's show as if it were a broadcast from the 1920's. Earlier in the day, I learned that he had contracted a virus that put him out of commission which meant I had to get a different guest speaker for the noon co-ed luncheon. By the time we were able to get through the various impediments and other delays, it was time for the "Charleston Chasers" to start the evening show. Ed Taylor had brought an old carbon mike and stand from the period we tried to recreate which helped to put everything back in perspective and, once we got under way, the good times began to roll. I wish to thank all those who were there to see and hear the performance and, from the very positive feedback, the plans are already set to repeat the show next year whether it be in May or June. In spite of all the challenges, I heard many people say that this was one of the better shows and, above all, they had fun! Some 145 registered for the May meet which included visitors from at least 8 states so, even with the rain, it was a good event. I believe that many had a good time in the lobby of the Signature Inn during some of the storm's activities and made up for it by having a pleasant visit with other friends who, because of the distances involved, don't get to see each other very often. Many fine treasures changed hands in the buying, selling and trading that is, after all, the basic purpose of the show.

Ed Dupart presented an excellent Service Clinic and this is a feature that had been sought by many and will be a continuing effort in next year's Big Meet. When one of the acknowledged old timers such as Ross Smith, who has presented many of these in the past, makes the statement, "I learned some things at this one", you know it was a qualified effort. Our thanks Ed!

There were excellent entries in the Equipment Contest too, including 4 different Grebe's. The winners are as follows: Class 1, Table Sets: The first place went to Fred Schultz for his Grebe Synchrophase Display. He also won the "Best of Show" award for this entry due to the efforts he expended in putting this together. The sec-

ond place ribbon went to Walt Sanders for his Crosley Display. (Walt also surprised many by turning out to be an excellent Jazz Clarinetist as was evidenced when he joined the front line of The Charleston Chasers at Friday night's banquet show). Class 2 winners consisted of a RACO Super Clipper for which Harry Blessy received the first place award. Robert Drake came in for second place with his Guthman UK50. The third category was based on the Most Unusual Sets of the 1930's. Ross Smith took first place with his GE Model H-500U, and the second place was awarded to Chester Michalowski for his 1933 Radio Keg. The first (and only) place award for "Test Equipment Through 1950 should have included an award for pain as well. (You should have seen the looks on the faces of Mike Clark and Alex Whitaker as they lugged their General Radio Signal Generator up the Signature Inn stairs). Mike and Alex shared the 'first Place Award for this effort. Really Alex, this unit would make a good boat anchor.

Mike Feldt came through, as could be expected, in the Indiana Made Radios category, and walked off with the first place ribbon for his excellent "OKAY RADIO" display. Mike specializes in Radios and Equipment made here in the Hoosier State and usually has something to delight all.

The numbered and assigned spaces concept seemed to be a step in the right direction and, next year, we now know how to further improve the handling of that. If the votes move the date to June, it should make it easier. One suggestion outlined the need for a "Shuttle" between the Signature Inn location for the "Co-Ed" luncheon and, I believe we can find volunteers to bring that about. Be sure and be ready to attend next year's 28th Regional "Spring Fling Radio Festival" when we'll plan for more fun. By the way, we could use some volunteers for that show so, please let Alex know. In consideration of that concept, my vote of thanks goes to Alex Whitaker, Ruth Clark, Walt and Glenna Sanders, Scott Beard, Ed Taylor, and, of course, my wife Carol Ann, for their help that was so graciously given for the "May Meet". The same to those who stopped here and there to help along the way whose names I may have overlooked.

The IHRS Summer Performance Contest and Swap Meet went very well and Mike Feldt has a separate article on that in this issue. On a very positive note, the one thing that was realized is that the "substitute" location turned out to be better than "The Forest Inn" site. Basically, it is easier to find and is near to Motels, (one literally across the way), and supplies. The O.V. Winks Building was a fine one for the lunch and the outbuilding provided an excellent location for the "Performance Contest" with a noise free environment due to the use of incandescent lighting. The fluorescent lights that are ever present offer bright efficient output but are some of the best "noise generators" around. Hamilton County offered this to us since they had not completed the remodeling and updating of the original Forest Inn site. Whether it was to make-up for the problem or not, they did offer it to us at a lower cost which always helps the Club. Of course, if the vote approves the change in date for what has been the May meet, the "Performance Contest" will move to July. I hope that some of you stopped in at the "Radio Grill" at the Wal-Mart super center across the way so that you could get the "Radio Grill" cups in which they serve the soft

drinks. It makes a nice memento of the occasion as well as another display item for your collection. In the meantime, I'll see you, wherever Radios live.

Bob O'Friel, Co-Editor.

Comments from the Members

Charles Mancini, one of our long time members, had the following observations. Since I came up in an era where people such as Bud, Barker & Williamson, Millen and many other companies made up the different parts that could be used in the building of ham equipment followed by Heathkit and Eico who made those wonderful kits, I share his feelings. Some of us would still rather "roll our own". Here are his comments:

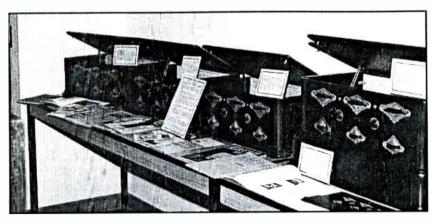
"At my age of 81, I have seen the radio scene change from the homemade radios and crystal sets from the 1920's. I am appalled at the reluctance of the American Radio Industry to continue what it started in the ancient time. I have made my own radios, transmitters, have built "A" and "B" battery eliminators of many kinds for many years and there is almost nothing that I do not know about any of these items. The Bose Company brags about their table radio reportedly having such fine sound. It seems their engineers have never heard the Grunow 1933 "Living Tone" model receiver. It was a superhetereodyne set in a "low boy" cabinet with a cable connected remote control and with push-pull, parallel 45s in the output running class "A". The tone was magnificent for that distant time. Yes, the output 45s were in push-pull, parallel which, with the accompanying low impedance output contributed much to the remarkable audio quality, even with the much maligned 78RPM records of that time. Imagine how the set would have sounded with CD's as the music source. Oh, the evolution or "Devolution of home entertainment!"

Charles Mancini

IN PASSING

Julian Joseph Stark, one of the 13 founders of IHRS passed away on March 29, 1998 at the age of 90 in Pleasant Hill, Tennessee where he had retired. Services were held on Wednesday, April 8, 1998 at St. Alphonsus Catholic Church with Father Michael Roark officiating. He was interred at Ft. Wayne Catholic Cemetery. He had operated Fairfield Radio Service and Fairfield Camera Repair in Ft. Wayne for more than 60 years and had been credited with building the first working television in Ft. Wayne back in 1926. His wife, Mary, died in 1974. Obviously, his interests were directed to Radios and Cameras as he was a member of IHRS as well as, The Fort Wayne Foggers and the Fort Wayne Camera Club and his photos had been exhibited in the News Sentinel Roto Section. He also had designed lighting equipment for medical color photography.

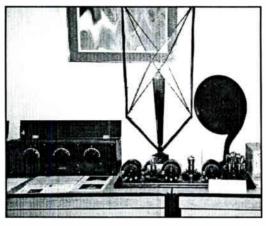
Photos coutesy of Ross Smith and Michael Feldt.



Fred Shultz took First Place in Class 1 with this excellent display of 4 different Grebe Radios. He also won "Best of show"!!



Walt Sanders, a great Jazzman, won a Second Place ribbon with this Crosley entry in Class 1.



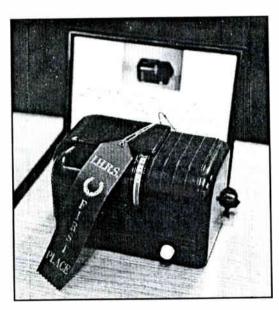
Apparently 4 of a kind beat this Atwater Kent entry in Class 1. This shows the quality of the units competing in this show.



Harry Blessy, that great auctioneer from Chicago, received a First Place award in Class 2 for his Raco Super Clipper.



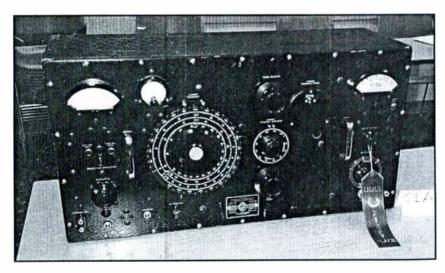
Robert Drake came in Second Place with his Guthman UK50 in Class 2.



Wava Smith did it again by getting a First Place Award in Class 3 with this GE H-500U.



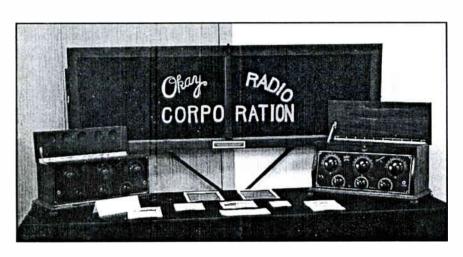
Chester Michalowski's 1933 Radio Keg was awarded Second Place in Class 3.



Dr. Mike Clark and Alex Whitaker won a Blue Ribbon in Class 4 for this, (boat anchor), General Radio Signal Generator. (Perhaps we should initiate a "Golden Truss" award or at least a "Heaviest of Show category").



Heres Walt Sanders, without his clarinet, beside his 1918 Wireless Specialty Apparatus Company IP500 receiver.



Michael Feldt deservedly walked off with the First Place ribbon for this great "Okay Radio" display representing Indiana Made Radios in Category 5.



Here's another entry in Category 2. A Hallicrafters S-14.

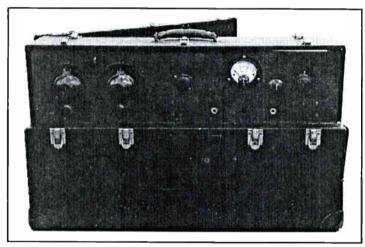


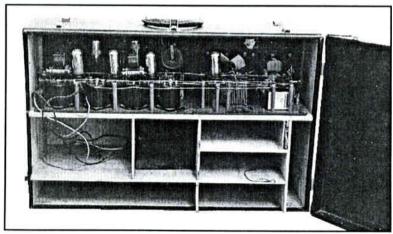
Ed Dupart presenting his excellent Service Clinic, an often requested Seminar.

The IHRS Spring Fling's Big Find

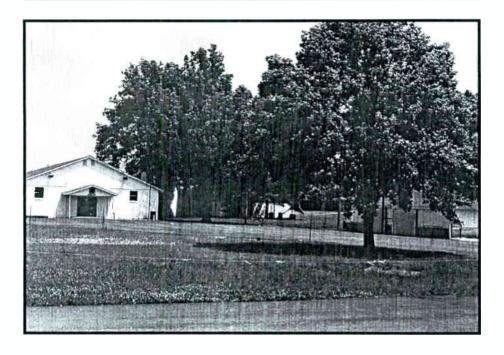
The golden rays of luck and good fortune shone down upon Kent King, E. H. Scott collector and historian, Friday morning at the Indiana Regional Spring Meet. He was out at 6 am on the Signature Inn parking lot when he noticed a vehicle pull in and a gentleman proceed to unload its contents. Kent spotted an item that looked like a very large tube caddy. Upon opening it, much to his suprise, he discovered what could only be described as the Holy Grail of Scott collectors. Here was a genuine 1925 E. H. Scott Worlds Record Super 8 in a Scott cloth covered portable case. Without hesitation, Kent paid the gentleman's price and became the proud new owner. Only 3 of these sets are known to exist, and according to Kent, this is the only one housed in this particular cabinet.

Michael Feldt





1998 IHRS Special Radio Performing Contest and Swap Meet Noblesville, Indiana

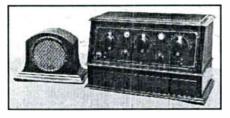


The IHRS Summer Performance Contest and Swap Meet was held on the 13th of June at the 4-H Fairgrounds in Noblesville. We were fortunate to have had beautiful weather considering that it had stormed constantly the three days before and the two days after. Attendance numbers were about the same as last year, but there was a significant increase in merchandise brought in for display and sale.

Coffee, donuts, refreshments and lunch were served in the O. V. Winks building (building at left) and the contest was held in the Small Animal Barn (building at right). Five 1920 battery operated radios were entered in the contest. These entries are featured on the following page. Many thanks to Bob & Carol O' Friel, Mike Clark, Ruth Clark, Alex Whitaker, John & Deanna Howard and everyone else for helping out at the meet. A special thanks goes to Jeff & Joanne Lendaro for their help in securing the 4-H site which made the meet possible. All in all, it was our most successful Noblesville meet to date.

Michael Feldt

Pictures from the Noblesville Meet "Contest Entries"

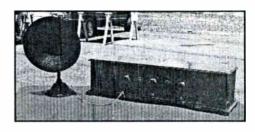


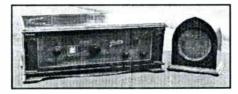
Ozarka "Senior S-1" & RCA 100-A speaker ARBE-III power supply

Owner: Mike Clark First Place

Adler-Royal & speaker ARBE-III power supply

Owner: Alex Whitaker **Second Place**



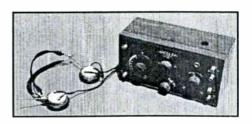


Sears "Silvertone Neutrodyne" & Pearless speaker ARBE-III power supply

Owner: John Howard

Crosley "V" & headphones Converted computer power supply.

Owner: Ed Dupart





RCA "Radiola III-A Grand" & Fada speaker Schneider power supply

Owner: Michael Feldt

Disqualified due to set malfunctioning

Pictures from the Noblesville Meet "Outside Activity"



A collector looks over the merchandise that is being sold by Ron Winter and Murry Tillinger.



View of the Small Animal barn and the Sheep barn.

Pictures from the Noblesville Meet "Outside Activity"



Bill Morris and Karl Johnson enjoying a cool drink.



Collector enjoying the shade while selling his radios.

RESTORATION TIPS: WATCH THOSE BIAS V. by Ross Smith

If negative bias voltages on tube control grids are too high, they will cau. circuit gain. If too low, they will cause distortion and regeneration. Most scheatics show normal B+ voltages but not always the negative bias values. Occasionally they are shown on charts listing values on each socket pin. Also, bias information is always given in tube manuals.

A 1937 Air Castle seven tube set came in recently for a circuit restoration. It was a superhet using a fixed bias circuit and it had an eye tube. It had a "floating" negative fixed bias with two fixed carbon resistors in series, connected from ground to the center tap of the power transformer high voltage winding. Negative sides of the electrolytic filter capacitors were connected below ground potential.

After replacing all fixed capacitors and aligning the RF and IF circuits, the set performed very poorly. With the volume control advanced, only strong local stations could be heard. The B+ voltages were very close to the nominal 220 volts on plates, 100 volts on screen grids and 65 volts on the plate of the first AF amplifier, the Eye Tube remained closed.

A quick check on the negative bias voltages of each circuit revealed the problem, they were all too high. The "floating" fixed bias circuit, measured from ground, was supposed to be 5 ohms for the first AF amplifier grid and another 300 ohms for the power output grid. The small carbon resistors had drifted up to 40 ohms and to over 400 ohms, respectively. Replacing the two with higher wattage rating resistors, along with others that had drifted over 30 %, plus a critical 50 K ohm oscillator resistor that had changed to 90K ohms, solved the problem. (ed. note, the older resistors also tend to absorb moisture readily and should always be checked). It was then necessary to re-align the RF, Oscillator and IF circuits for a "good as new" performance. After repairs, the "Eye" tube "blinked" as it should.

The negative bias system on early resistance coupled amplifier circuits was plagued by the inherent leakage in the paper dielectric capacitors of that era. To limit the effect of leakage, small value capacitors were used to feed audio to the grid of the power output tube/s and this reduced the bass signal. Present day plastic film dielectric capacitors have very low leakage so that values several times larger may be used, which will improve the bass response for much better fidelity. Many sets with small coupling capacitors sound very "tinny" with limited bass response.

Philco, and others during the early and mid 1930s used heavy wire wound resistors in the fixed bias circuits. These were quite stable except for an occasional open section. Approximate values for power output pentode tubes with fixed bias are minus 7 to minus 25 volts, depending upon the tube type and plate voltage. Approximate values for triode output tubes, including pentode tubes with the plate and screen connected together for class A triode operation, are minus 35 to minus 48 volts, again depending on the plate voltage and whether single or push-pull.

Bias values for the first AF amplifier stage range from 1 1/2 volts to 3 volts negative with respect to the cathode. Except for very early AC and AC-DC sets, a majority of circuits use a 5 to 10 megohm grid leak in the grid control circuit

instead of fixed bias. When automatic volume control circuits came out, a small 1 1/2 volt bias cell was used for the first AF amplifier tube. Since control grids draw negligible current, bias cells lasted a long time without replacement. I have checked old cells that still measure 1 1/4 volts. Bias cells were soon replaced with grid leaks and the practice became universal. Most circuits from the 1930s on used a cathode bias resistor of 300 to 500 ohms connected from the power output cathode to ground, again depending on the tube type and plate voltage. (per editor, note that the tube manuals will often specify a maximum value for said resistor). A low voltage electrolytic capacitor of approximately 10 mfd. was used across the resistor in order to eliminate AF signal loss across the resistor. Cathode bias was also used in the RF, first detector and IF circuits, bridged by a .05 to .1 mfd. fixed capacitor.

ALWAYS REMEMBER TO CHECK BIAS VOLTAGES WHEN YOU MAKE B+ AND OTHER VOLTAGE MEASUREMENTS.

We say THANK YOU VERY MUCH to Serge Krauss for his contribution to this article.

Ross Smith



This 1936 Arvin model 617 "Rhythm Maid" has become a very sought after tombstone radio over the years. The 6 tube circuit is designed for very sensitive and selective reception on all three bands which makes it an excellent radio for DXing. The cabinet measures 21" high, 15 1/2" wide and 11 1/2" deep and the highly detailed 7" black dial has three bands in the colors of red, green and yellow.

RadioRama 98

A Review by Bob O'Friel

We had the pleasure of attending this event at the Signature Inn in Florence, Kentucky on Friday and Saturday, June 26th and 27th. Actually, we arrived on Thursday so that we could be up and at 'em at the start of the show. Bob and Sue Sands of the Cincinnati Antique Society, (CARS) and their staff did a wonderful job of organizing this gathering and they apparently had better control of the "Rain Gods" than we did in May. The turn out was good and we saw a lot of familiar faces including Don and Marilyn Johnston, Mike Clark, Fred Schultz, and Carolyn and Karl Knipfel. The back parking lot was filled with vendors and was nicely segregated by a yellow tape banner to reserve the spaces.

On Friday evening, Eldon Horton and Norm Smith gave an excellent presentation on Zenith Transistor Radios enhanced by a film/VCR showing most of the many transistorized sets made by Zenith over the years including analysis of the performance of the various versions of the 500. His personal favorite out of all was the 500H.

The CARS club had also set up an exhibition of "Collectable Cathedrals". The term "collectable" was realized with some 61 models of Atwater Kent, RCA, GE, and Zenith, as well as the ever popular Philco 20, 70, 71, and 90's. Only one in this particular display was a reproductions that came about when Philco merged withord and celebrated the Cathedral type radio, which generated various copies by other companies of that period. CARS also celebrated the "50th Anniversary of the Transistor" with a display of many models of Transistor Radios. Although there are many of us who search for the Battery Radios of the 20's, we must remember that equal accord is now given the solidstate industry's place in radio history. If you doubt the interest in this newer field, I suggest you check to see what the Regency TR-1 is going for amongst collectors. A caravan tour had also been arranged to visit the"Gray History of Wireless Museum". Our fan belt broke as we crossed the I-75 bridge from Kentucky into Ohio so we had to forego that part of the trip. Fortunately, there was a Goodyear Store near the exit that had the belt iIn stock so we were back "on the road" without a major delay. I would rather have put the cost into a radio.

Saturday morning found some of the dealers departing early, so we left around 2PM. All in all, it was a good meet and we enjoyed the stay.

Bob O'Friel IHRS Co-Editor



The Indiana Historical Radio Society Museum Report By Fred Schultz

The Indiana Historic Museum has been open three years and are averaging 5,000 visitors a year. A colorful 4'x10' sign was installed on SR5 just north of Ligonier. We have had an im-

mediate increase in attendance. The cost of the two sided sign installed was \$600. We would like to install additional signs on US6 and US33, both of which come into Ligonier. We have been offered the land for both sites. We have had many school tours with most being 4th graders or younger. It was felt we needed something to demonstrate to these children. The Noble County Community Foundation recently awarded us a grant for \$1,000 to buy a Van de Graff generator and a Jacobs Ladder. Most of the equipment has arrived and needless to say the kids are thrilled with the experiments. The Museum is now open three days a week with all volunteer help. We believe our attendance could be doubled if we were able to be open more days. Anyone willing to donate 2 1/2 hours of time a month to make possible please contact me at 219-894-3779.

Several new items have been added to the museum including a very nice Zenith Transoceanic model 600 in a brown case donated by Mr. J. Ferd Trick.

Starting with this bulletin I would like to pass a restoration tip we use at the museum. If you have any tips we can use please pass them along to us.

Grill cloth can be difficult to replace using tacks and staples. A much easier way is to use stitchless fabric glue sold through Wal-Mart stores. Place a small bead of glue ¼ inches from the edge of the opening, place the grill cloth over the glue and let it set for about one minute. You can then work the grill cloth with your fingers to any position taking out wrinkles and the glue will then dry fast and clear. You will be amazed at how fast and neat this works.

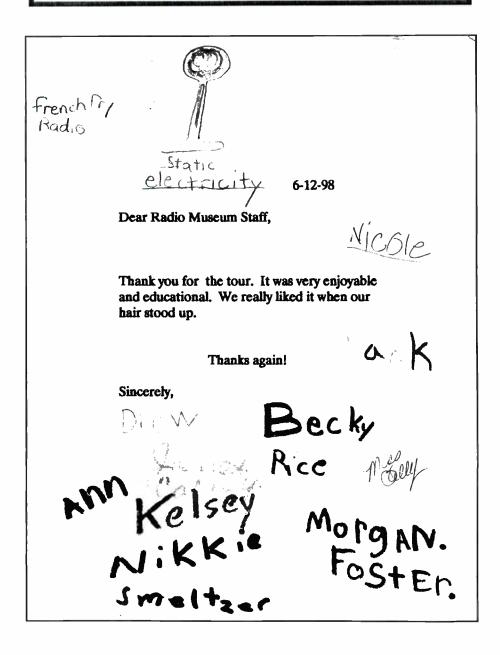
Don't forget the museum will open Saturday August 22nd, the day of the IHRS Elkhart radio meet. Plan to stop in and see your museum.

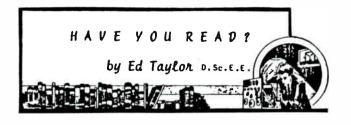
Fred Schultz

Fred Schott

800 South Lincolnway Ligonier, Indiana 46767

Childrens letter to the museum.





MINNIE PEARL

AN AUTOBIOGRAPHY

For the fans of the CRAND OLE OPRY on radio and HEE HAW on TV this little 296 page paperback (Pocket Books, N.Y.) is a must read. This is the story of Sanah Ophelia Cannon (1912-1996) better known as Cousin Minnie Peanl.

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Hank Williams, Bill Monroe, Pee Wee
King and Elvis himself. Here's a history of
the Grand Ole Opry—of
country music—you won't forget!

ISBN 0-671-43536-1



IHRS SUMMER MEET - SATURDAY, AUGUST 22, 1998

HIGH DIVE PARK PAVILION, 500 EAST BEARDSLEY AVE., ELKHART, IN.

- 8:30 AM Swap and sell in the paved east parking lot. (Others please park in front of the pavilion) \$5 Registration fee per family at the door. GUESTS WELCOME! Coffee and rolls for the early birds.
- 9:30 AM ENTER CONTEST ITEMS FOR POPULAR VOTE. Catagories are:
 - Crystal Radios and Passive Receivers with no transistors.
 - One, two or three tube Radios up to 1930.
 Four tubes or over up to 1942.

 - 4. Novelty Radios, tube or transistor.
 - 5. Your Favorite Radio.
- 10:00 AM Place your items for the SILENT AUCTION on the inside table. A 10% Donation is requested from seller for expenses.
- 11:50 AM CLOSE of the SILENT AUCTION.
- 12:00 Noon CARRY-IN DINNER. Bring a dish, dessert or rolls and your table service. Extra silver and paper plates will be provided.
- 12:30 PM VOTE FOR ONE ITEM EACH IN THE FIVE CONTEST CATEGORIES.
 - 1:00 PM CONTEST AWARDS and Brief IHRS Business Meeting.
 - 2:00 3:00 PM Swap Meet Continues.

FOR MORE INFORMATION OR A MAP, Contact Meet Chairman Terry Garl, e-mail: IHRSELK98@AOL.COM or Ross Smith, 1133 Strong Ave., Elkhart, IN 46514, 219-295-7770.

From the Toll Road I-80 @ 90, go south on Cassopolis Street to the dead-end on Beardsley Ave. Turn left (east) one block to the Park Pavilion. If you come via By-Pass US 20 or US 33 from Goshen, turn north from US 20 and remain on Main Street north until you go across North Main Street Bridge over the St. Joseph River. Turn right (East) to the Park Pavilion.

Chairman: Terry Garl, 219-679-4280.

R.S. 5-24-98

RADIOADS

NEED THE ROOM: Radios, Radio News, Radio Electronics, Test Equipment, Sams Photofacts and other radio related items. Send SASE for details to James S McDowell, 8 Blanchel Terr, Jeffersonville, Indiana 47130.

Phone: (812) 283-6387

FOR SALE: Capehart Panamuse 26N2. 26 tubes, 15" speaker, radio phono in a blond model cabinet. Cabinet is in fair condition. Roaid & phono untested. \$265.00 and no shipping. WANTED: battery radios mfg. by Super Antenna Company, any condition. Allan L. Jochem 2205 Broadway, Quency, Illinois 62301 Phone: (217) 223-6751

WANTED: Buying radio, tube, 78 rpm record collections and Riders manuals. Evan J. Chase 108 Cass Street, Swanton, Ohio 43558. Phone: (419) 836-3776

FOR SALE: Extensive Radio Collection: Atwater Kent, Crosley, Zenith, Philco, horn and cone speakers, keys, tubes, Magazines, books, lots of parts. For a complete list, send SASE and \$3.00 to: The Barnett Collection, PO Box 94, Decatur, 1L, 62525. (ed. note, Ralph Barnett was a long time IHRS member, the collection is offered by his widow).

WANTED: Zenith 6-S-27, fixer upper OK. Scott Beard, 2600 Garfield Ave. Terre Haute, IN 47804, (812) 466-9367. E-Mail: triodeSB@aol.com

WANTED: Zenith Pre-war radios, working or not, especially 9S262 consoles. Lee, 711 Ruth Ave. Holland, Michigan. Phone: (616) 335-2461

WANTED: Zenith Black Dial or shutter dial chassis and parts, pushbutton Assemblies, etc. 6T5 or 6U5 eye tubes. Philco 41-280 console radio. 1 also have many plastic and wood radios for sale. John P. Den Hartigh, 5274 Market Street, Kalamazoo, Michigan 49001-9501, (616) 342-1512, days or (616) 343-7072, eves.

WANTED: Need control knob and back cover for a 1946 Catalin Sentinel 1U-284-NR, outline grill, red body radio. Offers also considered for this working, nice condition Catalin. Ron Vor 7394 South 150 East, Poneto, Indiana 46781 Phone: (319) 346-2216

MESSAGE: Frontier Capacitor of Lehr, ND will discontinue rebuil.

Lock capacitors. Rebuilding these capacitors is very labor intensive and serious backlog position and Antique Electronics has a large supply availation an indefinite period, we will continue to rebuild nut mounted capacitors which harder to obtain. We are your best source of top quality, Nichicon capacitors. On ders taken via phone, fax or mail. Everett Hoard, Frontier Electronics, Box 218, Lehr, ND 58460, (701) 378-2341. FAX (701) 378-2551, 24 hrs.

FOR SALE: Rockola model 1434 "SUPER ROCKET" JUKEBOX, configured for 78's. Needs a complete restoration. Realistic offers. Large, late 1960's COKE Machine-works, \$200.00. TWO MANUAL REED ORGAN with bench, plays, \$125.00. All items, pick up only. May be seen by appointment. Mike Clark, 6484 East 350 North, Franklin, IN 46131, (317)-738-4649, (Eves. 6-10PM) FAX: (317) 278-0221.

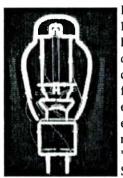
FOR SALE: Hallicrafters SX11 with matching speaker, clean and restored \$225.00. Radiola 18 AC set, working \$75.00. Stewart Warner 1937 Radio-phono, beautiful Art Deco table cabinet with removable legs \$65.00. Crosley 52TE plastic, off white, restored \$35.00. Westinghouse Refrigerator Radio, #H-125 green, restored \$85.00. Pick-up only or can bring to IHRS meets such as August event. Ross Smith, 1133 Strong Ave., Elkhart, 1N 46514. Phone: (219) 295-7770.

FOR SALE: Novelty radios. Photocopies:Radiola III and other radio and tube, test equipment manuals. LSASE for list. WANTED: Philco 39-390 or 39-355 chassis. Speaker, escutcheon. Herman Gross, 1705 Gordon Drive, Kokomo, IN 46902. (765) 459-8308. E-Mail: w9itt@juno.com

FOR SALE: Everybody's Radio Manual 1934/42 Popular Science, excellent condition \$13.00, includes mailing in 48. Robert Shuck, 10512 Winston Lane, Fishers, IN 46038, (317) 849-0381. E-mail: radiorobert@webtv.net

FOR SALE: See Fall issue, #3 of "Bulletin", pgs. 16 and 17 for detailed ad of capacitors available from Bob's Antique Radios, 111 East 29th Street, La Grange, IL 60526. Phone: (708) 352-0648 FAX: (708) 352-0647 S & H included in prices.

FOR SALE: Pickup only, Console Models-Brunswick 14 and 15, Grunow 681, Silvertone 1750, Philco 42-390, Motorola 81K31, Philco 42-400, Philco 46-1209, Philco 38-7, RCA 67V-1, Philco 48-1282. Dick Oliver, 28604 Schwalm Drive, Elkhart, IN 46517. Phone: (219) 522-4516.



FOR SALE: Beautiful three foot high neon and argon RA-DIO TUBE sign mounted on Plexiglas. Created by Steve Renner of Neon Amenities. (Our copy of the picture doesn't do this justice but, we are not able to process color as of yet). The sign, (complete with the Hi V transformer) is for sale. \$225.00, or will swap for old HI-FI equipment. This was on display at the 1997 Greenfield/Fall event. The first one may now be viewed at the IHRS Ligonier museum. Other signs are available to order such as "Philco", "RCA", "Scott", "Atwater Kent" etc.. Steve Renner, 4060 S. County RD.550W, Yorktown,

IN 47396. Phone: (765) 759-9133.

For Zenith Research Project



WANTED: For research on 1940 Zenith molded Bakelite chassis radios. I am looking for super-junker chassis that I can strip down to the bare molding with a clear conscience. All sets in this series have a horizontal thumb wheel volume control located just above the dial scale.

I would also like to acquire a complete table model set using this chassis that can be cosmetically restored. (I already have the portable and radio/phono of this series.) Also any advertising on this series. Robert Lozier, 600 E. Green ST., Monroe, NC 38112. E-mail: kd4hsh@juno.com or 704-283-2638 after 7PM.



WANTED: Wilson radios in any condition especially those sets that feature the large black dial such as the one featured on the left. Looking for any Wilson chassis, ads, and literature. Any leads to these sets would be greatly appreciated. Wilson radios are generally found around the east central Indiana region. Looking for any Skylark and LePilote (Imperial) battery sets and anything related to these sets. Any E.H.Scott, McMurdo Silver and Lincoln radios in almost any condition, complete or not. Michael Feldt 12035 Somerset

Way E. Carmel, Indiana 46033. E-mail: feldtm@iquest.net Phone: 317-844-0635 after 8PM. MESSAGE: Martin Piepenburg gave me a lead to a large dial Wilson console that was for sale in an antique shop in North Manchester, Indiana. It turned out to be the fanciest Wilson I had seen so far and it was in absolute mint condition, so I bought it. Thank you very much, Martin!