



ARCI NEWS

www.antique-radios.org

Affiliated AWA
Antique Wireless Association 

Volume 34, Issue 4
August 2015



RADIOFEST 2015 IS HERE!!

THIS YEAR'S THEME: ZENITH

**Chicago's Zenith Radio Store Located at
Michigan and Huron Circa 1940**

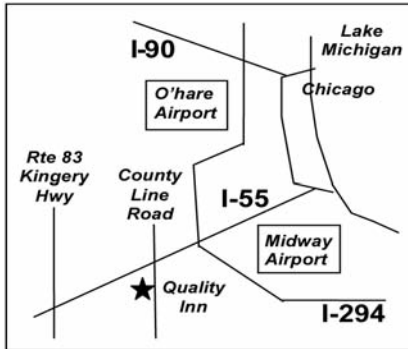
RADIOFEST JULY 31 & AUG 1-2, 2015

QUALITY INN & CONFERENCE CENTER

300 S Frontage Rd
Burr Ridge, IL 60527

(County Line Road and Interstate I-55)

See Details In This Newsletter



2015 ARCI MEET SCHEDULE

July 31- August 2, 2015	<i>RADIOFEST</i>	Quality Inn Burr Ridge, IL (See Map)
October 4, 2015	7AM-11AM Outdoor Swap Meet Business Mtg./Officer Election 10AM	American Legion Hall Carol Stream, IL (See Map)
December 6, 2015	7AM-11AM Indoor Swap Meet Business Meeting 10AM	American Legion Hall Carol Stream, IL (See Map)

PRESIDENT'S MESSAGE

Warmest Summer Greetings from your ARCI President!

Your ARCI club officers and *Radiofest 2015* volunteers are now in the final phase of preparations for what is shaping up to be a truly memorable *Radiofest 2015*. The response this year has been unusually strong, and we are anticipating a large turnout! As most of you know by now, there are quite a few changes to this year's *Radiofest*, many of which are a direct result of the change in hotel venue. Below, I have listed some of the more important things you need to know, so you can better prepare for your trip.

AUCTION...Registration for the auction on Friday, July 31 will open at 3:30 PM. We strongly suggest you arrive as early as possible to avoid long lines and delays at registration. The auction is a very popular event, and the registration and checkout tables do get busy. Your patience and cooperation are always appreciated. The drop-off area for moving large items into the ballroom is located in the rear lot of the hotel. There will be club officials and signage to direct you to the drop off spot. The distance from the parking lot to the ballroom is farther than last year at the Willowbrook Inn. We strongly suggest you bring a hand truck or cart with you, especially if you are transporting large or heavy items. There will also be some hotel luggage carts available, but expect these to be in "heavy rotation". Small items or individual lots may also be carried in through the front of the hotel. We suggest this as a way of minimizing the inevitable congestion in the back of the hotel. Please also note that no auction parking will be allowed in the hotel's rear parking lot unless you have purchased a designated selling space in this lot. If you have purchased a seller's space, you may park only in the numbered space that has been assigned to you. Hotel guests with assigned selling spaces will be able to park in those spaces overnight on Friday.

HOTEL ROOMS...As of July 1, we have already exceeded the estimated number of sleeping rooms (based on last year) by a large amount. At the time of this writing there is an ongoing waiting list for rooms, but many of the names on the waiting list have already been accommodated. The Quality Inn reservations department has been working very hard to fulfill all requests, either in this hotel or at one nearby. I therefore suggest you first try and work out your reservation requirements through them. If you are looking for alternatives on your own, please check out the list of hotels on the *Radiofest* information page on the ARCI website: <http://www.antique-radios.org> The previous *Radiofest* hotel, The Willowbrook Inn, is open, but still undergoing major renovation. So I suggest you take this fact into consideration if you are considering this hotel as an alternate for sleeping rooms.

SWAP MEET PARKING...We anticipate that the hotel front parking lot will be completely full on Saturday morning, and of course the rear lot will be reserved strictly for sellers. Therefore, all attendee parking will be diverted to the auxiliary lot immediately to the east of the hotel. There will be signs and club personnel on site directing all attendees to this lot, which will provide ample parking space. From there, it is only a very short walk to the sellers' parking lot in the rear of the hotel. Please be considerate of all your fellow *Radiofest* attendees - especially those who have paid for reserved selling spaces - and observe the parking lot rules. Parking in any unauthorized spot on the hotel property will result in your vehicle being towed! It is the last thing we want to do, but given the tight space, we have no choice.

BANQUET...Just a reminder: There will be no same day sales of banquet tickets. So if you plan to attend the banquet, you must have your paid reservation with menu selection submitted to Judy Huether at the address on the registration form no later than July 24.

CONTEST & DISPLAY...Our contest and equipment display will share the same space this year, and will be located in the Oak Ridge 1 meeting room just off the left side of the lobby. If you have any items for the equipment display, please contact me by email at arcipresident@comcast.net.

SPEAKER PROGRAMS...Our excellent speaker programs, originally scheduled to take place in the Aria Ballroom, will now be presented in the Oak Ridge 2 & 3 meeting rooms, just down the hall from the Contest & Display room.

See you all at *Radiofest 2015!!!* And don't forget to bring money, and friends with money! If you have any questions or comments, please don't hesitate to drop me an Email at arcipresident@comcast.net.

See You At The Next Meet,
John Stone
ARCI PRESIDENT

ARCI UPDATE

The President's Column — All The News That's Fit To Print

ARCI EMAIL LIST

ARCI is updating the email listings used for club announcements and our notifications of radios available for sale. If you wish to be added or removed from this ARCI distribution list, please send a request to clubinfo@antique-radios.org. Be sure to include the email address where the notifications are currently being received.

CRITICAL—RADIOFEST VOLUNTEERS NEEDED

We need your help at *Radiofest*!! Please consider volunteering. You can talk with one of the officers, a Board Member or current volunteers for more information: Our needs are in:

- Main Auction. Please contact John Stone at arcipresident@comcast.net.
- Special Display. Please contact John Stone at arcipresident@comcast.net.
- Old Equipment Contest registration. Please contact Jeff Aulik at akent36@insightbb.com.
- Registration. Please contact Judy Huether at oldradioshoppe@aol.com.

JUNE COMBINED MEET DRAWS LARGE CROWD

Our June ARCI meet, was once again combined with the Six Meter Club and the Midwest Classic Radio Net (MCRN) Hamfest at the DuPage County Fairgrounds in Wheaton. And once again, in spite of an early summer marked by rain and cool weather, we "lucked out" with a day that wasn't too hot and didn't rain a drop. The Amateur Radio swap area contained an impressive variety of "boat anchors", parts, and the usual supply of eclectic items you can only find at a classic hamfest. Need a new floppy disc drive for that 1985 IBM PC? Well, we can handle that! As usual, the ARCI swap area, unofficially designated as "Radio Row", was full of sellers displaying a wide variety of radios and parts. Based on visual assessment, I would say that ARCI participation was at least on par with last year, if not a bit bigger. The sales of donated items through direct purchase and the donation auction added over \$300 to the ARCI bottom line thanks to Tom Kleinschmidt and Jim Novak who ran another successful donation auction. Thanks again to all who took a little time out from their busy father's day schedules to participate in this great meet



RADIOFEST SPONSORS

ARCI Thanks All Our Partners and Sponsors

Radiofest is a joint enterprise involving four national radio collecting clubs spanning from New York to Wisconsin to Texas. ARCI has received terrific assistance from our partners at the Antique Wireless Association, Wisconsin Antique Radio Club, Inc. and the Vintage Radio and Phonograph Society, Inc.! We thank our partners for their contributions and participation in one of the best radio shows of the summer!



VINTAGE RADIO & PHONOGRAPH SOCIETY, INC.



Rent Com, Inc.



Capacitors and Schematics For Tube Radios
www.justradios.com



Post 76



Boy Scout Venture Crew 32

RADIOFEST 2015

COMMEMORATING ZENITH RADIO COMPANY

Radiofest 2015 will take place July 31 - August 1st through 2nd as we move to the **Quality Inn Hotel and Conference Center in Burr Ridge**. Our theme this year commemorates Zenith Radio Company. Get ready as we plan another banner year, and team up with the Wisconsin Antique Radio Club, Inc. (WARCI), the Vintage Radio and Phonograph Society (VRPS) of Dallas, Texas and the Antique Wireless Association (AWA). *Radiofest* will again be co-sponsored by four important clubs, making it truly THE national event of the summer!

As in past years, we invite other clubs to join us and to participate in the summer's great radio celebration. Bring your banners and marketing materials to introduce yourself! We want to recognize everyone's participation in a wonderful hobby that ARCI has been so proud to take part in for all these years.

NEW SCHEDULE: FRIDAY-SUNDAY **NEW HOTEL: QUALITY INN IN BURR RIDGE** **July 31st, August 1st and 2nd**

- **New Schedule: Friday-Sunday**. The program schedule remains the same, i.e. opening with the auction, a full day of activities, and a closing morning.
- **New location: Quality Inn in Burr Ridge**. See below for more information about the hotel.

Fees: THERE WILL BE NO INCREASE IN DUES, OR SWAP MEET SELLING SPACE FEES. A modest increase in auction fees will help cover our expenses at the new facility.

Dues: \$25. First selling space: \$45 Pre-registered, \$50 on site registered. Additional selling spaces: \$25 pre-registered, \$35 on-site. One-day single space: Sunday, \$30. Table rental: 8 ft. (\$12 each) or 6 ft. (\$8 each) pre-registered only.

Special Banquet Notice: The entertainment at the Saturday Night banquet will feature a performance by the Those Were The Days Radio Players. Come and enjoy! Banquet tickets are priced at \$45 per person, or 2 for \$85. Pre-registration only.

Zenith Radio Company Display: Zenith, from Chicago, was a worldwide leader in radio and television technology. A special display will feature hardware and memorabilia from this legendary company. We invite all those interested in participating to bring their finest examples to share in the display.

Contest Categories: Radios Pre-1930, Radios Pre-WWII (1930-1945), Radios Post-WWII (1946 & later), Advertising / Premiums, Catalin & Rare Plastic Radios, Transistor and Novelty Radios, Speakers, Vacuum Tube Audio, Radios Made In the Midwest, and Open.

Opening Night Auction: Located in the hotel’s Aria Ballroom. The large quantity and excellent quality of items available in the auction make this a “must attend” event. You never know what you’ll find here, including rare and highly collectible items. Jim Sargent from VRPS is returning to co-manage the auction. There will be a limit of 10 seller lots per person.

Speaker’s Programs: Five sessions, with a break during the noon hour. Our topics include: Collection Preservation, Early Zenith Radios, WWII POW radios, Vintage Audio Gear, and the Ham Radio Forum.

Ham Station: Special plans are brewing for the vintage ham station that will operate at *Radiofest*.

Donation Auction: Now scheduled for Sunday morning. We need your donations, which benefit the club by helping to offset operating expenses. Thanks to our members who have helped so much in years past. -- And remember, *Radiofest* is your show!! We are always looking for suggestions on ways to improve it. If you have a good idea, please contact John Stone at arcipresident@comcast.net.

Last year, sellers and visitors alike were enthusiastic about a fantastic line up of speakers and the flea market was a big success! We are looking forward to another great year at *Radiofest*, so secure your flea market spot, make your hotel reservation and register early!!

<i>RADIOFEST 2015 FEES</i>
<i>Selling Spaces – 1st \$45.00 Pre-registration, \$50.00 On site registration; Additional Spaces \$35.00; Sunday Only \$30.00</i>
<i>Banquet – \$45.00 each; \$85.00 per couple</i>
<i>8’ TABLE RENTALS – \$12.00 each 6’ TABLE RENTALS – \$8.00 each Only through pre-registration</i>



<i>RADIOFEST 2015 SCHEDULE</i>
<u>FRIDAY (7/31)</u> Registration Available After 3:30 pm Main Auction at 6:30pm (Main Ballroom)
<u>SATURDAY (8/1)</u> 7am Registration / <i>Radiofest</i> Opens Flea Market All Day Special Event Ham Radio Station All Day Educational Programs Old Equipment Contest (TBA) Banquet & Entertainment (Aria Ballroom)
<u>SUNDAY (8/2)</u> Free Seller’s Raffle at 9:15am Donation Auction at 9:30 am Flea Market Until Noon

RADIOFEST

July 31 thru August 2nd, 2015



**SIGN UP
NOW!**

Quality Inn Burr Ridge ~ 300 S. Frontage Rd,
Burr Ridge, Illinois (630) 325-2900

All hotel reservations must be made directly with the Quality Inn
Discounted Hotel rates for ARCI members begin at \$79.00

RADIOFEST Will Feature a Large Radio Swap Meet, Radio Contest, Informational Presentations, Appraisal Tent & Auctions. Also the banquet returns with entertainment and awards
Events and Schedule subject to change. Watch our website for updates at: www.antique-radios.org

All sellers must be members of **ARCI - NO ADMISSION CHARGE FOR NON-SELLERS**

ARCI Membership (\$25.00)

(If not currently a member) \$ _____

First Selling Space

\$45.00 Pre-Registration \$ _____

\$50.00 On Site Registration

Additional Spaces

\$25.00 Each Pre-Registration

\$35.00 Each On Site Registration

_____ times \$25.00 or \$35.00 = \$ _____

Table Rentals-Pre-registration only

8 ft. # _____ times \$12.00 = \$ _____

6 ft. # _____ times \$ 8.00 = \$ _____

Free parking for attendees in the lot adjacent to the hotel. If you are purchasing a seller's space for parking only in the flea market lot, please check here _____

One Day Single Space Rate

Sunday Only (\$30.00) \$ _____

Banquet (Three Course Meal) and Show

Herb Roasted Prime Rib

_____ Attending times \$45.00 = \$ _____

Chicken Marsala

_____ Attending times \$45.00 = \$ _____

Roast Sirloin of Beef Au Jus

_____ Attending times \$45.00 = \$ _____

Vegetarian Lasagna Alfredo

_____ Attending times \$45.00 = \$ _____

Less discount (2 for \$85.00) = \$ _____

TOTAL OF ALL \$ _____

NAME: _____

ADDRESS: _____

PHONE # DAY: _____ EVENING: _____

E-MAIL: _____ APPLICATION DATE: _____

EMERGENCY CONTACT NAME: _____ PHONE: _____

Special Requests By Sellers And Names
Special Requests By Sellers And Names
of Guests With Banquet Selections

In order to mail out your confirmation and parking/selling location prior to **RADIOFEST** we must receive your registration on or before July 10, 2015. Registrations received after that date will need to be picked up at the registration booth at the show. Parking and selling locations will be assigned by ARCI

Make check payable to ARCI and mail to: ARCI c/o Edward & Judy Huether; 1039 Troost Ave.; Forest Park, IL. 60130
Have Questions or need more information? Check our website at www.antique-radios.org or send e-mail to clubinfo@antique-radios.org

FOR OFFICIAL USE ONLY

Date Received _____ Registration # _____ Check # _____ Spaces _____



Radiofest 2015

July 31 to August 2

Friday – Saturday – Sunday

Quality Inn & Conference Center

300 S. Frontage Rd (I-55 & S. County Line Rd)
Burr Ridge, IL 60527 (1-630-325-2900)



COMMEMORATING ZENITH RADIO COMPANY

FRIDAY

- Setup Day (NO SALES)
- Main Auction 6:30pm in the Aria Ballroom
- Hotel Food Services Available
- Seller's Packets Available After 5pm

SATURDAY

- 7am Radiofest Opens
- Registration open
- Flea Market open All Day
- Educational Programs
- Ham Radio Ops All Day
- Hotel Food Services Available

SPECIAL EXHIBIT ZENITH RADIO COMPANY

- Wireless
- Radios
- Advertising
- Memorabilia

EQUIPMENT CONTEST

- 1 Radios Pre-1930
- 2 Radios Pre-WWII (1945)
- 3 Radios Post-WWII (1946)
- 4 Advertising/Premiums
- 5 Catalin & Rare Plastic
- 6 Transistor & Novelty
- 7 Speakers
- 8 Vacuum Tube Audio
- 9 Radios Made In Midwest
- 10 Open Category

SATURDAY NIGHT BANQUET

Dinner, Annual Recognition & Contest Awards

ENTERTAINMENT:

*Those Were The Days
Radio Players*

See Radiofest registration form for further information

SUNDAY

- Free Sellers' Raffle 9:15am
- Donation Auction 9:30am
- Flea Market Until Noon

SATURDAY PROGRAMS

Radio Clinic Under The Big Top – Ed Huether (*Career Radio Engineer*)

Zenith: The Early Years – Gilbert Hedge (*Author: "The Early Zenith Radios"*)

WWII Era POW Radios – David Cripe (*NMOS, RF Engineer*)

Vacuum Tube Audio Q&A – Pete Nauseda (*Vintage Audio Expert & Enthusiast*)

Ham Radio Forum: Bill Ross (*Radio Historian*)

Radio Collection and Preservation – Gilbert Hedge (*Author: "The Early Zenith Radios"*)

IMPORTANT INFORMATION

ARCI Registration Form: <http://www.antique-radios.org>. **Pre-Registration Deadline:** July 1.

Hotel Reservations: Front Desk 1-630-325-2900. Ask for ARCI room rates \$79-\$89 per night.

Seller Fees: 1st space: \$45 pre-reg./\$50 onsite. Additional spaces: \$35 pre-reg./\$35 onsite. Saturday Only \$30. Banquet tickets: \$45/person, \$85/couple. **TABLE RENTALS:** 6' (\$8) or 8' (\$12) each (pre-registration only). No charge for general admission. Membership required for attending programs.

Questions? Email: clubinfo@antique-radios.org or visit: www.antique-radios.org for latest info.

RADIOFEST 2015
SPECIAL EQUIPMENT DISPLAY

ZENITH RADIO COMPANY

Commemorate the history of this legendary radio company from Chicago.
If you have an item you wish to display, please fill out the form in this issue.

RADIOFEST HOTEL — NEW LOCATION

Radiofest 2015 has relocated to the Quality Inn & Conference Center in Burr Ridge

*(One exit east on I-55 from the former location at the
Willowbrook Inn & Conference Center)*

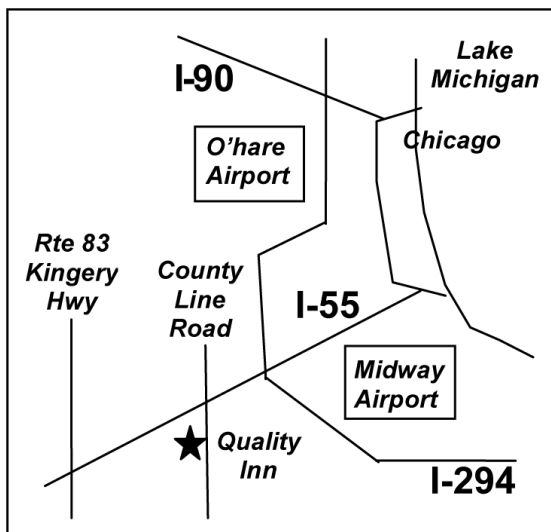
Radiofest remains close to both Chicago airports (20 miles from O'Hare and 15 miles from Midway). Hotel reservations for July 31 - August 2, 2015 must be made directly with the Quality Inn & Conference Center. The hotel is offering discounted rates for radio show attendees starting at \$79.00 for standard rooms, and \$89.00 for deluxe rooms. You must mention ARCI to get the discounted rate. Please contact the hotel directly at (630) 325-2900. We strongly recommend that you make your reservations early. A limited number of rooms are available at the discounted rate.

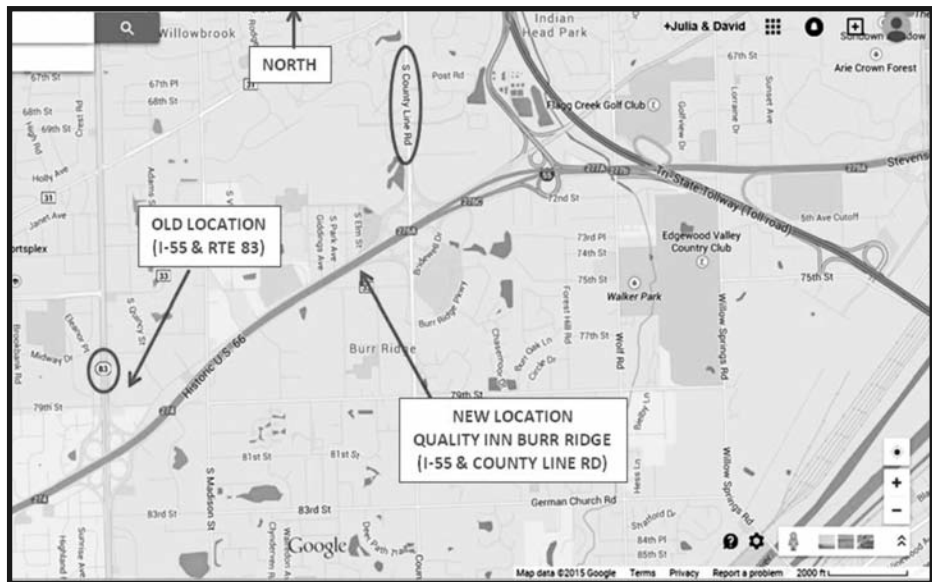
Quality Inn & Conference Center

Quality Inn & Conference Center
300 S Frontage Rd
Burr Ridge, IL 60527

Reservations: (630) 325-2900
Hotel Fax: (630) 325-8907

Check-In: 3:00 PM -- Check-Out: 12:00 PM





MAIN AUCTION ON FRIDAY NIGHT

The Main Auction will take place on Friday evening in the Aria Ballroom. Registration is from 3:30-6:30pm and the auction starts at 6:30pm.. Pre-registered attendees will be able to pick up their packets by early afternoon on Friday to set up. Registration for the Main Auction will open by 3:30pm or earlier. As always, if the hotel can accommodate us, we will open earlier in the mid-afternoon for registration. Right now, we look like a mid-afternoon opening.

This year, ARCI will again partner with the Vintage Radio Phonograph Society (VRPS) from Irving Texas to run the main auction, and the Wisconsin Antique Radio Club, Inc. (WARCI) will handle the computers and processing. Jim Sargent, from Texas, will call the auction, and will be assisted by our regular team of volunteers. The past few years, our opening auction has been a huge success! The ARCI auction team is examining ways to make the auction flow smoothly and quickly.

The auction's format will stay much the same as last year, allowing sellers to continue to state a confidential reserve. We plan to simplify and thereby speed up the check-in process, and minimize the amount of handling and moving of the merchandise

The auction fees have changed this year as follows:

Seller's Fee:	Members	\$ 7.00 per item
	Non-members	\$10.00 per item
Bidder's Fee:	Members	\$ 3.00 per card
	Non-Members	\$ 5.00 per card
Buyer's Premium:	10% Buyer's Premium	

*LIMIT OF 10 LOTS PER PERSON
ALL ITEMS MUST BE REMOVED AT END OF AUCTION.
ITEMS NOT REMOVED WILL BE DONATED TO ARCI.*

Please contact John Stone at arcipresident@comcast.net if you have any questions or comments.

DONATIONS

The Donation Auction is an important source of revenue for Radiofest. We encourage all to participate. Items donated to the club will be sold at either the Donation Table or the Sunday Donation Auction at the discretion of ARCI. We encourage everyone to walk the show regularly to see what becomes available. Questions can be addressed directly to John Stone at arcipresident@comcast.net.

PLEASE NOTE

All activities are subject to rescheduling. ARCI has contracted Black Knight Security to patrol the premises. However, individuals are responsible for safeguarding their own property. Neither ARCI, nor AWA, including their individual directors, officers and/or members, assumes liability for any injury to any person or any loss, theft or damage to any personal property.

PROGRAMS

We have worked very hard to put together an interesting and educational series of programs for Radiofest 2015. An overview of the outstanding programs along with info about the Radio Clinic is shown below.

RADIOFEST 2015 PROGRAMS

RADIO CLINIC UNDER THE BIG TOP

Ed Huether

An informal, open clinic covering radio repair topics, welcoming questions and offering advice.

RADIOS REVEALED

Gilbert Hedge

An overview of the very first Zenith radio models ever produced, with discussion of their design, and tips for repair and restoration.

RADIO COLLECTION PRESERVATION

Gilbert Hedge

Learn how to make your radio collection live on for future generations, regardless of the final disposition of the radios themselves.

POW QRP

David Cripe

The story of Russell Hutchison, a WWII GI who constructed clandestine radio equipment while being held prisoner in a Philippine POW camp.

VACUUM TUBE AUDIO FORUM

Pete Nauseda

An informative Q & A session on repairing and maintaining vintage high fidelity equipment.

HAM RADIO FORUM

Bill Ross

Bill Ross presents topics of interest for amateur radio enthusiasts and awards a door prize at the conclusion of his presentation.



RADIOFEST 2104 FEATU (FRIDAY ~ EAS



Ed Huether's Open Radio Clinic
Ed Huether

11:00am - 1:00pm (and beyond) ~ Swap Meet Lot

Ed, a lifelong radio and communications engineer offers an informal, open clinic covering radio restoration, troubleshooting and repair topics; welcoming questions, and offering advice. Simple effective electronic diagnosis steps will be demonstrated using basic instruments; the signal generator and volt meter. Soldering and safety issues will be addressed, including the various levels of electrical and aesthetic restoration that can be achieved. The session will continue, informally after 1PM. So drop by, bring in your problem radio and be a part of the Ed's radio clinic!



Zenith Rad
Gilbert

10:00am - 10:50am ~ O

Gilbert has been collecting and... He retired from The Boeing C... a Quality Engineer. Current... Management System consulta... He holds an AAS in Elect... Engineering. Gilbert is the... Radios: The Battery Power... published by Schiffer Publ... Gilbert will discuss the Zenith... early years; with description o... tips for repair and restoration.



POW QRP
David Cripe

1:00 pm - 1:50 pm ~ Oak Ridge Meeting Room

David Cripe, NM0S, has been a licensed ham since 1981, and a lifelong radio hobbyist. In addition to his day job as an RF engineer, he is known for his kit designs for Four State QRP Group, and frequent presentations at FDIM and Ozarkcon. He has a special passion for educational outreach to promote radio technology. POW QRP - In the demoralizing isolation of WWII Philippine prisoner-of-war camps, courageous GIs applied their ingenuity in the most challenging of conditions to construct clandestine radio equipment. This is the story of Russel Hutchison, the Radio Boy of Cabanatuan



Vintage Vacuum T
Pete N

2:00 - 2:50pm ~ Oak

Pete's knowledge and experience... back to the first Golden Age of... Fascinated by audiophile claims o... of vacuum tube audio, he wanted... the collection he amassed and res... from vinyl, to tape, to CD sourc... solid state amplifiers. Question... audience will guide the subjects o... Pete will also have handouts fro... and join the discussion.

CHEDULED PRESENTATIONS (AT BALLROOM)



Radios Revealed

Gilbert Hedge

Oak Ridge Meeting Room

Antique radios for over 35 years. Company, where he worked as a manager. He is a part time Quality Control Manager in the Aerospace Industry. He has a BS in Electronics and a BS in Quality Management. He is the author of "The Early Zenith Radios and their Table Sets 1922-1927", published by ARRL. In this presentation, he will show you radios manufactured in those years, their models, their operation, and their history.



Radio Collection

Gilbert Hedge

11:00am – 11:50am ~ Oak Ridge Meeting Room

Collectors spend years, sometimes decades, building their radio collections. It is a shame, but these radio collections will ultimately end up being sold in one of the local radio auctions somewhere across the country and that information will be lost. That is the inherent nature of antique radio collecting. This presentation will show you how to make your radio collection live on for future generations, regardless of the final disposition of the radios.



Tube Audio Q & A

Bill Ross

Oak Ridge Meeting Room

Bill's experience in high quality audio extends back to the early 1950s. He has a High Fidelity in the early 1950s. He has a love of about the sweetness and warmth of vacuum tube audio. He wanted to find out for himself. And, with the help of his friends, he did! His ventures range from vacuum tube audio to vacuum tube audio driving both vacuum tube and solid state amplifiers and interests expressed by the audience. This presentation will be discussed and their technical level. This presentation will be discussed in previous presentations. Come and see for yourself.



Ham Forum

Bill Ross, W9WR

2:00 pm – 3:50 pm ~ Oak Ridge Meeting Room

Hams and non-hams are invited to our Annual Ham Forum. Bill will have interesting items for display and discussion. The forum will conclude with our usual drawing for a Door Prize. Bill is a long time amateur radio operator, radio historian and collector. He is a member of AWA, a former Vice President of ARCI, member of ARRL, the Early Television Foundation, and Radio Club of America.

SPECIAL ZENITH DISPLAY

This year we are celebrating Zenith Radio Company and we invite you to participate in our special display theme for Radiofest 2015. ARCI members are invited to bring one or several pieces of equipment for display.

We will have a display of any and all Zenith related items. We are looking for your contributions such as:

- Chicago Radio Laboratories (the original Zenith company)
- Wireless and early radios through the 1930s including tabletop and console radios
- WWII era items, i.e. Transoceanic radios, military radios and other items
- 1950s-1970s era
- 1980s and related items from famous news stories and other events
- Any original documents and advertising items.

We would like to feature any items with newspaper or magazine articles and original equipment instructions, documentation and photos. The display is not limited to commercially produced items.

Please contact John Stone at arcipresident@comcast.net about any items you wish to display.

EQUIPMENT CONTEST

The equipment contest will be set up in the Oak Ridge meeting room. See the listings below. Note, the “Dr. and Mrs. Ralph Muchow Best of Show Award” as well as the People’s Choice Award and Chairman’s Trophies will be awarded. Questions? Contact Jeff Aulick at akent36@comcast.net

RADIOFEST 2015 CONTEST CATEGORIES

With Awards For:

Dr. and Mrs. Ralph Muchow “Best Of Show” Award

People’s Choice Award

Chairman’s Trophy; Best Restoration; Best Historical Display

1st, 2nd, 3rd Per Category

Radios Pre-1930

Radios Pre-WWII (to 1945)

Radios Post-WWII (1946 & later)

Advertising / Premiums

Catalin & Rare Plastic Radios

Transistor & Novelty Radios

Speakers

Vacuum Tube Audio

Radios Made In The Midwest

Open

SATURDAY NIGHT BANQUET

The ARIA Ballroom will be the site of the annual “Carl and Carolyn Knipfel Banquet”. The entertainment will feature the “Those Were The Days Radio Players”, recreating the sounds of old time radio shows! Banquet tickets are priced at \$45 per person, or 2 for \$85, **PRE-REGISTRATION ONLY**. There will be **NO BANQUET TICKET SALES ON-SITE**. The hotel requires a minimum of 7 days advance notice for the number of banquet attendees, and their menu selections. For this reason, we must receive your **BANQUET REGISTRATION, PAID IN ADVANCE, NO LATER THAN JULY 24, 2015**. This is a change from prior years when we accepted banquet registrations on the morning of the event. We apologize for any inconvenience this new deadline may cause, but this is a firm hotel policy that is outside of our control.

FREE SUNDAY SELLERS' RAFFLE

To thank our sellers for participating, we will offer a free Sellers' Raffle scheduled on Sunday. A number of great items will be raffled off. Sellers must be in attendance to win.

DONATION AUCTION

The donation auction, everyone's favorite place for real bargains, is scheduled for Sunday morning. Items donated to the club will be sold at either the Donation Table or the Sunday Donation Auction at the discretion of the auctioneer. We encourage everyone to walk the show regularly to see what becomes available. Questions can be addressed directly to Tom Kleinschmidt at tomkleinschmidt@comcast.net.

PLANS UNDERWAY FOR VINTAGE HAM STATION AT RADIOFEST

Jim Novak, WA9FIH is currently planning our vintage amateur radio station for Radiofest. We typically set up stations capable of AM, SSB and CW operation on the 75/80, 40 and 20 meter ham bands, as well as two meter FM, using gear that dates from the vacuum tube era into early solid state units. Special Event Station KC9IPB will be on the air all day Friday and Saturday morning until teardown.

Last year, equipment and antennas were provided by Jim Novak WA9FIH, Ed Schumacher WA9GQK, and Chris Farley KC9IEQ. If you have a piece of equipment you would like to bring, either for display or to put on the air, or would like to be involved with operating the station and/or setting up or taking down antennas, please contact Jim at 708-442-4961 or WA9FIH@aol.com. We will be installing antennas and checking out equipment on Thursday afternoon. Thanks!

OTHER WEEKEND EVENTS

Plan to stay the entire weekend to pick up these other great events located near Radiofest!!

<i>RADIOFEST 2015 WEEKEND EVENTS</i>		
<i>CANTIGNY PARK & 1ST DIVISION MUSEUM</i>	<i>81ST ANNUAL HAMFESTER'S RADIO CLUB HAMFEST IN PEOTONE, IL</i>	<i>WOLFF'S FLEA MARKET (LARGEST IN CHICAGO)</i>
<i>Park & Grounds: 7am–Sunset; Museums: 10am–5 pm; Golf: 7am–Dusk; Winfield Rd. South of Rte. 38 (Roosevelt Rd.) Wheaton, IL See www.cantigny.org</i>	<i>Sun., Aug. 2, 6am–3pm; Will County Fairgrounds, Peotone, IL I-57 South of Chicago, Exit 327, 1 Mile East. See www.hamfesters.org</i>	<i>Sun., Aug. 2, 6am–1:30 pm; Allstate Arena; 6920 N. Mannheim, Rosemont, IL; (Mannheim between Higgins & Touhy); See www.wolffs.com</i>

RADIO ZONE

An Occasional Column Featuring Radio Collecting Topics By David Wilson, Radio Restorer, Collector & Historian

*[EDITOR'S NOTE: The following article was obtained from the website
"Behind the Dial" at*

<http://www.radiostratosphere.com/zsite/behind-the-dial/the-zenith-company.html>]

THE ZENITH COMPANY AND THE STRATOSPHERE

The company began in Chicago, Illinois in 1918 as a small producer of amateur radio equipment. The name "Zenith" came from its founders' call sign, 9ZN, and Zenith Radio Company was formally incorporated in 1923.

It is one of the few radio manufacturers to survive the Great Depression; and the Zenith Company did more than just survive, it began to thrive by the 1940's. In the 1920s, Zenith was the 12th largest radio manufacturer in a growing \$400 million dollar a year radio industry. In 1941, Zenith passed industry giant Radio Corporation of America (RCA) to become the number two radio manufacturer in the U.S., just behind the Philco Corporation.

The Great Depression took its toll on radio manufacturers like Atwater Kent, Majestic and many obscure radio manufacturers because they failed to adapt swiftly as adverse consumer market conditions caused sales to plummet. In the Roaring 20s there were over 150 radio manufacturers. By 1935 there were less than 50. Zenith's design, engineering and innovation would keep them at the top of their industry for years and well into the television age.

Ironically it would be this same radio product design, engineering and innovation over eighty years later that would keep Zenith radios at the top of radio collector's lists, commanding some the highest prices ever paid for vintage radios.

1933 marked major advancements in radio and was also the year that Zenith Radio Company would embark on one of the most ambitious efforts to raise industry product standards.

In early 1933, Commander Eugene F. McDonald, the President of Zenith Corporation, directed his engineers to design and build one of the world's most sophisticated radios. In late 1935, the Zenith Stratosphere model 1000Z would start rolling off the assembly lines.

The Zenith Stratosphere model 1000Z was no ordinary radio, and the year the construction started was no ordinary time in history. Zenith would produce only 350 of these unique high-end radios in 1934 and 1935. Because of Zenith's failure to understand how to market to the limited, high-end All Wave radio market, it took them four radio model years, from 1934 to 1938, to sell all 350. The \$750 price tag contributed to sluggish sales as well.

In 1936, Zenith would take key features from the 1000Z and transfer them to their newest line of radios. The standout feature used on most of Zenith's 1936 radios was the large, easy to read, black "Magnavision" dial. In Zenith's 1936 product brochure the headline read "A New Improved Radio Incorporating Every Modern Engineering Advancement."



Zenith Stratosphere Dial.

The 1935 Zenith Stratosphere was all about "Incorporating Every Modern Engineering Advancement." This radio set a new standard for the radio industry and helped Zenith reinvent itself as it used features and modern cabinet design in its 1936 and 1937 model lines. Their advertising literature would say, "Ask for the Radio with the Black Dial."

One of the hallmarks of the 1000Z is the movie theater like sound system. It is the Stratosphere's amplifier, powered by eight 45-push-pull tubes, that achieves the radio's 50 watts and drives the two Jensen A-12 speakers and horn tweeter at a 5 percent distortion rate. The clever circuitry gives the listener a bass response that I've never heard from other radios from that era. The only radio that can remotely compare is the McMurdo Silver V. Zenith's engineering and design teams raised the bar with the introduction of the 1000Z.

Stratosphere and over an 8-year period from 1935 to 1942, Zenith would rise from the 12th largest radio manufacturer in the U.S. to number two. The Stratosphere, with its art deco, skyscraper cabinet and airplane interment looking dial, helped set in motion a style that would transform the company in to an industry leader.

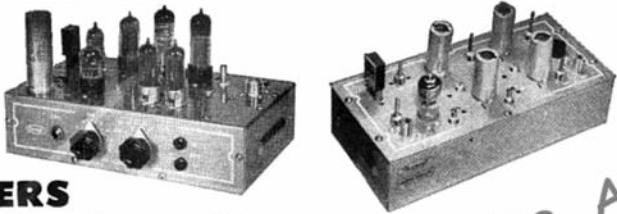
Today, the strength of Zenith's design and engineering that dominated the 1930's lives on as Zenith radios are some of the most valuable and most collected radios today for all the same reasons they were a consumer favorite in the 1930's.

NEWS FROM THE HAMSHACK

By Jim Novak

REMEMBERING TECRAFT – “THE EQUIPMENT CRAFTERS”

One morning several months ago I was digging through piles of electronics at the estate sale of an old time ham operator, not far from our 2015 Radiofest site. Among the several boxes of connectors, capacitors, and other odds and ends that followed me home was an apparently unused Tecraft 220 Mc receiving converter from the late 1950s! Quite obsolete by today's standards, this five tube Model CC5-220 was a bit dusty, but it sparkles now, and the power connection plug was never soldered, reinforcing my belief that the unit had been sitting for fifty plus years without ever being used! The tubes include a 6BQ7 RF amplifier that provided a much higher noise figure than Tecraft's later converters that employed Nuvistors for the RF stages. It sold for \$42.50, about \$370 in 2015 dollars!



**1 1/4,
2
or 6
METERS
with Tecraft**

Tecraft Transmitters For 220, 144 or 50 Mc.
 Hi-Level Plate Modulation • Hi-Impedance Mike • Provisions for Metering All Stages • Tuned Antenna Output System to 52/72 Ohm Lines • RF Output Indicator • Power Requirement 6.3 v AC @ 4 amps & 250 v DC @ 250 ma. • Tubes 6AU6 osc.; 5763 Buf/Dblr; 6360 Buf/ Multi; 6360 final amp.; 12AX7 speech amp. & driver; 2-6AG5 modulators • Power Input to Final, 20 Watts

Complete with tubes, crystal and plugs..... \$59.95
Matching Power Supply..... 39.95

Tecraft Converters For 220, 144 or 50 Mc.
 Where Top Quality Is a Must • Widely Recognized by Hams, CAP, CB, etc. • Exactly IF Output Frequency Range • Choice of 14-18, 26-31 or 30-35 Mc. (for new National NC900 Receiver) **Models CC5-220, CC5-144 or CC5-50..... \$42.50**

Tecraft SWR Bridge
For More Radiated Power... Less TVI
 Measures Standing Wave Ratio on 52 or 70 Ohm Coax and Open Wire Lines • Insures Optimum Use of Low-Pass Filter and Antenna Coupler for TVI Suppression • Helps Obtain Top Performance on Transmission Line and Antenna • Not Frequency-Critical • Accurate Measurements Up to 160 Mc. **With 50-239 connectors..... \$8.95**

The Equipment Crafters, Inc.
 523 WINNE AVE.
 RIVER EDGE, NEW JERSEY
 COlfax 2-0155

QST June 1956

Tecraft -- “The Equipment Crafters” -- was located at 332 Winne Avenue in Rivers Edge, New Jersey and later used a P.O. Box address in their QST ads. A Google Maps aerial view shows this to be a tree lined street dotted with ranch houses rather than a factory district, so Tecraft must have begun as a basement operation. I have not been able to identify who the ham was behind the business. The company survived through the 1960s with their last ads showing them as the Tecraft Division of Sireno Signal, a manufacturer of commercial two-way equipment located in nearby Kearny, New Jersey.

As seen in the photos, a typical Tecraft ad in QST shows their equipment had a “bare bones” look to it with an open chassis and no cabinets or enclosures. The only Tecraft gear I have ever seen in cabinets were a couple of Citizens’ Band radios they marketed in the early days of CB.

Popular Electronics (Aug. 1961)



Falcon Radiophone Mk IV

5-channel transmit with tunable receiver, plus 1 crystal-controlled receive channel; universal (117-, 12- and 6-volt) power supply; 13-tube performance double-conversion superhet; series noise limiter; adjustable squelch; ceramic mike; pi-network output; plate current metered in transmitter; may be purchased with special "TNS" noise-eliminating and squelch circuit built in (\$20.00); 5 1/2 x 11 1/4 x 9 3/8; 12 lb. \$169.95 (also available with 5 crystal-controlled receive channels for same price)

Electronics World (Feb. 1960)



Tecraft "Falcon" Transceiver

Manufactured by Tecraft Sales Corp. Power requirements: 117 volts a.c., 6 volts d.c., or 12 volts d.c. Receiver: tunable or single-channel fixed-tuned crystal-controlled dual-conversion superhet type; noise limiter and squelch circuits are provided. Transmitter: 2-channel crystal-controlled type with 5 watts final plate input power. Cabinet dimensions: 13" x 4 5/8" x 9 5/8". Price: \$144.95, including microphone

Popular Electronics (Aug. 1962)



Falcon Radiophone Mk V

5-channel transmit with tunable receiver, plus 1 crystal controlled receive channel; universal (117-, 12- and 6-volt) power supply; 13-tube performance double-conversion superhet; series noise limiter; adjustable squelch; ceramic mike; pi-network output; plate current metered in transmitter; r.f. gain control may be purchased with special "TNS" noise-eliminating and squelch circuit built in (\$20.00); 5 1/2 x 11 1/4 x 9 3/8; 12 lb. \$169.95 (also available with 5 crystal-controlled receive channels for same price)

My first two meter AM transmitter was a Tecraft that I found at a hamfest in the mid-1960s, crystal controlled with a 6360 final RF stage modulated by a pair of 6AQ5s, and RF output of about 8 or 9 Watts. The manual was a set of stapled together pages run off on a spirit duplicator, a.k.a. "Ditto" machine. The only controls on the front panel were mic gain and a meter switch, plus a pair of pin jacks for use with an external meter. All of the tuning capacitors had slotted shafts for adjustment by screwdriver. I built a separate AC power supply for the rig with transformer and parts salvaged from an old TV and added a small coax relay. Since I was an ambitious young ham, I made a cabinet for the set with a piece of scrap aluminum for the front panel, and perforated steel "wraparound" cabinet. I brought the tuning controls out to the front panel with flexible shafts, added a little Japanese meter from Olson Radio, and some spray paint and "Techni-Cal" decals finished the job.

FUN PHOTOS & FACTOIDS FROM AWA

Contributed by Stan Avery

[EDITOR'S NOTE: Stan Avery from the Antique Wireless Association sent in the following fun photos and factoids about radio. We thank Stan and the AWA for sharing them with ARCI. We will continue to run them as a column in this and future issues of *ARCI News*.]

GENERAL PERSHING AT ARLINGTON

General Pershing at Arlington National Cemetery on May 26, 1925. Standing watch: masts for the Navy's wireless station, built in 1912 at Fort Myer.



The following postcard from Arlington reads: “The United States Naval Radio Station at Radio, Virginia. Situated at the Southwestern side of the Fort Meyer Military Reservation near Washington, DC. Built by the US Navy Department (Bureau of Steam Engineering) on Land rented to the Navy Department by the War Department. The Rated Power of Station [is not stated]. Towers, one 600 feet high, 150 feet square at the base, and two 450 feet high 120 feet square at the base, located at angles of an isosceles triangle, large tower at the apex, base of triangle 350 feet between center is towers, perpendicular to base at 550 feet. Normal range, day 2000 miles, night 3000 miles, Cost about \$250,000.”

NEW BOOK FROM THE IEEE HISTORY CENTER PRESS

SPRAGUE ELECTRIC



An Electronic Giant's Rise, Fall, and Life after Death

John L. Sprague

SPRAGUE ELECTRIC: AN ELECTRONIC GIANT'S RISE, FALL, AND LIFE AFTER DEATH By John L. Sprague

The rise of the Sprague Electric Company from a high-tech kitchen-table startup is representative of much of the U.S. electronics industry. Sprague Electric began in 1926 in the Quincy, Massachusetts kitchen of a young naval officer, Ensign Robert C. Sprague, and became a thriving manufacturer employing thousands of workers. Its broad product line of electronic components achieved international sales and a reputation for the highest quality. The company later declined, went through a series of acquisitions, and eventually dissolved.

Sprague Electric provides a valuable business and technological history, a story of corporate success, and a cautionary tale of what to avoid. Told by company insider John Sprague, Sprague Electric gives the reader a front-row seat.

The Sprague Electric story reveals the value of investment in research and development, and also the effects of raw material supply chains on product lines. It is a story of a company's relations with the small New England mill town of North Adams, Massachusetts where its factories were located, and how labor relations — initially cordial— later soured. It is a story of how a vulnerable company weathered the stresses of the Great Depression and triumphed, only to be brought down by the recessions of the 1970s and 1980s.

It is a history of acquisitions, mergers, and spin-offs— some of them botched— and of the strategic and tactical mistakes that eventually caused the company to vanish. Yet, Sprague Electric's successor companies continue its legacy in the electronic components industry. Corporations formed from its different business units and operations are now located around the world. The principal manufacturing plant of Sprague Electric is now an acclaimed art museum.

Available from Amazon.com in hard copy and on Kindle.

[http://www.amazon.com/Sprague-Electric-Electronics-Giants-
after/dp/150338781X/ref=sr_1_2?ie=UTF8&qid=1429202871\\$sr=8-2&keywords=
sprague+electric](http://www.amazon.com/Sprague-Electric-Electronics-Giants-after/dp/150338781X/ref=sr_1_2?ie=UTF8&qid=1429202871$sr=8-2&keywords=sprague+electric)



Crowds gather and sales were brisk at the June Meet.

BUSINESS CARD ADS

We invite all of our members to scan and send in your business card to be included in *ARCI News*. For \$80 your card will appear in the next 6 issues! Your card will be seen by approximately 400 people per issue and up to 1,000 people at *Radiofest* where we make additional copies of *ARCI News* available at no charge. If interested, please scan your card and send it to jbart1964@gmail.com and mail a check for \$80 to Rudy Hecker, ARCI Treasurer, 127 Weymouth Court, Schaumburg, IL 60193. Thank you all for your continued support of ARCI!!!

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PAID ADVERTISING

Wisconsin Antique Radio Club, Inc.
www.warci.org

We welcome you to our upcoming Meets:
July 12 • September 20 • November 8

Meets include 50-50 Raffle, Donation Auction, Free Pizza .

Meets are held at the Landmark / Terminal Facility, 5917 S. Howell Avenue, Milwaukee WI (near the Airport). 8:00 AM-11:00 AM; doors open 7:00AM.
See the WARCI website for more information and directions.



54th AWA WORLD CONVENTION AUGUST 11-15, 2015

**FIVE DAYS OF TOTAL IMMERSION IN
RADIO LORE, ARTIFACTS AND EQUIPMENT**

**ENJOY THE FELLOWSHIP • LEARN FROM THE PROGRAMS
ACQUIRE OR SELL RADIO TREASURES**

SPECIAL CONFERENCE THEME:

International Short-Wave Broadcasting and the Receivers That Listened

- Visit the AWA Museum With Expanded Conference Hours
- Attend the Grand Opening of Museum Phase 2 Including the New Voice of America Station
- Expanded Old Equipment Contest Includes Special Categories for the Special Convention Themes
- Flat Rate Buys Unlimited Flea Market Space
- All New Forums and Presentations
- Food, Glorious Food! Welcome Buffet Dinner, Pizza Dance Party With All You Can Eat Buffet, Ladies Luncheon, 54th Anniversary Banquet
- Movie Night — Relax With Popcorn and Drinks
- Saturday Auction
- Special Event Station W2AN

Location:

**The Rochester Institute of Technology Inn and Conference Center
Rochester, NY**

Directions: From Exit 46 of the New York Thruway (I-90), take I-390 North to NY 253 West to NY15 South. Look for the RIT building about 0.7 miles on the right.

For more information and to register online, visit www.antiquewireless.org
Questions? Call Chairman Roy Wildermuth at 585-899-6703



CLUBING AROUND

80TH ANNUAL HAMFESTERS

The Hamfesters Radio Club of Illinois will hold its 80th annual Hamfest on Sunday, August 2, 2015 at the Will County Fairgrounds in Peotone, IL (I-57 South of Chicago at Exit 327). Gates open at 6am. VE Testing is available on site. See the full page ad in this issue.

ANTIQUÉ WIRELESS ASSOCIATION

The Antique Wireless Association will hold its Annual Convention on Aug. 11-15, 2015 in Rochester, New York at the RIT Inn and Conference Center (see separate ad). The theme is International Radio. Come see the new Voice of America Delano California station installation in the museum! With more than 30 presentations in the planning, this is the best historical conference in the country for people interested in the history of electronic communications. Come and visit the new museum, see the expanded campus, and explore the library and media center. The AWA, our national affiliate, publishes the *AWA Journal* and the *AWA Review*. Dues are \$35 per year. Information can be found at www.antiquewireless.org.

WISCONSIN ANTIQUE RADIO CLUB, INC.

The next WARC meeting will take place July 12, 2015 at the Terminal, located at 5917 South Howell Street in Milwaukee near the airport from 8AM-11AM. For information about the club, please contact President Greg Hunolt at 920-893-0422 or at ghunolt@excel.net or see the web site at www.warci.org.

NORTHLAND ANTIQUE RADIO CLUB

NARC will hold its next meet in September 2015. For information about the event, please see <http://www.northlandantiqueradioclub.com/index.shtml>.

MICHIGAN ANTIQUE RADIO CLUB

MARC's annual Extravaganza will be held July 9-11, 2015 in a new location to be announced in Kalamazoo, Michigan. This is one of the top shows of the summer. For more information please call 734-20-RADIO (207-2346) or email moppat@comcast.net.

INDIANA HISTORICAL RADIO SOCIETY

The IHRS Summer Meet will be Saturday, August 15, 2015 from 8-11 am at the Cool Creek Park Nature Center in Carmel, Indiana (East of US 31 and North of 151st Street in Carmel). The IHRS Fall Foliage Meet will be October 10, 2015 from 8am to noon at the Riley Park Shelter, Greenfield, Indiana (one block north of US40 on Apple Street). For more information see <http://www.indianahistoricalradio.org/ihrsched.htm>.



FACES FROM THE JUNE MEET





ARCI NEWS

Antique Radio Club of Illinois
PO Box 1139
LaGrange Park, IL 60562