



ARCI NEWS

Antique Radio Club of Illinois

PO Box 1139

LaGrange Park, IL 60562

 **ARCI NEWS**
www.antique-radio.org

Affiliated AWA 
Antique Wireless Association

Volume 34, Issue 4
August 2014



*"Where SKILL
and COURAGE Count"*

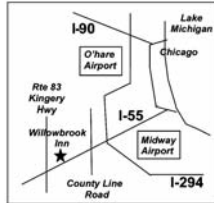
SIGNAL  CORPS
UNITED STATES ARMY

RADIOFEST 2014 IS HERE!!!

RADIOFEST JULY 31 & AUG 1-2, 2014

**THE WILLOWBROOK INN
HOTEL & CONFERENCE CENTER**
7800 South Kingery Highway
Willowbrook, IL 60527

(Route 83 Kingery Highway and Interstate I-55)



2014 ARCI MEET SCHEDULE

July 31-Aug. 2, 2014 (Thurs., Fri., Sat.)	RADIOFEST Thurs. Main Auction/Full Program on Fri./Donation Auction Sat.	Willowbrook Inn 7PM Thurs. – 1PM Sat.
October 5, 2014	7AM-11AM Outdoor Swap Meet Business Mtg./Officer Election 10AM	American Legion Hall Carol Stream, IL (See Map)
December 7, 2014	7AM-11AM Indoor Swap Meet Business Meeting 10AM	American Legion Hall Carol Stream, IL (See Map)

PRESIDENT'S MESSAGE

And once again another very successful Joint Radio Meet with the Six Meter Club, and the Midwest Classic Radio Net goes into the Log Book. The spaces just north of the main building, identified as "Antique Radio Row" were nicely filled with our members displaying restored antique radios, components, tubes and project sets that could make their way to Contests, considering the dedication and talent resident in our Club. Most importantly, our folks looked as if they were enjoying themselves, visiting, story-telling and relaxing. After all, that's what makes us tick.

Bright skies and a few fluffy clouds made an ideal morning in the swap meet area. It was a great opportunity to visit with many of our members and make the rounds in the swap meet area and the indoor vendors – with much interest and many questions about *Radiofest*. Don't miss Daniel Schoo's pictures in this issue and on our website. Oh yes, the winner of the ARCI 50-50 drawing was Jim Senechdle. First runner up was Bob Piecarz. Second runner up was Mrs. Dan Goluba.

As usual, there was a faithful and persistent group at the Donation Auction. Everyone loves a bargain. Auctioneer Jim Novak and Treasurer Rudy made their way through an interesting assortment of items. I found a few items, too good to let get away.

FACES AND SCENES FROM JUNE MEET



CLUBING AROUND

80th ANNUAL HAMFESTERS

The Hamfesters Radio Club of Illinois will hold its 80th annual Hamfest on Sunday, August 3, 2014 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. 12-16, 2014 in Rochester, New York at the RIT Inn and Conference Center (see separate ad). The theme is Hallicrafters. 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 20, 2014 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 2014. 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 10-12. The location is Best Western Plus (formerly the Causeway Bay Hotel) in Lansing Michigan. The theme this year is "Zenith". This is one of the top shows of the summer. For more information please see www.michiganantiqueradio.org or contact John Reinicke, MARC President, at jreinicke@comcast.net.

INDIANA HISTORICAL RADIO SOCIETY

The IHRS Fall Foliage Meet will be in Greenfield, IN on Saturday, Oct. 4, 2014 from 8:00 am to 11:30 am at the Riley Park Shelter (one block north of US40 on Apple Street). For more information see <http://www.indianahistoricalradio.org/ihrsched.htm>.

CLASSIFIEDS

WANTED: Parts to restore a Philco 70 - (i) tube shield for the 3 tubes on the left side of the chassis, (ii) speaker with good cone and voice coil assembly (a model 20 or model 90 speaker could be a suitable), (iii) recommendation for someone who can re-cone a speaker of this era. Contact: Bill Koski at tubesrus@peoplepc.com.

Our thanks go to our contributors and buyers. With each transaction, at least three people were pleased; the donor, the buyer and our Treasurer, Rudy.

RADIOFEST...Preparations were the main topic of a good many discussions with our gang. Plans are in their final form and are working their way along, with outstanding programs and displays. Registrations and hotel reservations look as if this will be another successful event. It is the small details that make the events more enjoyable.

AUCTION...As usual *Radiofest* will kick-off activities on Thursday evening August 1st with the Auction in the Main Ballroom. Our goal is to let the auctioneer move at his most effective pace, and afterward provide easier and faster checkout, and payment of sellers. We will be making every effort to be able to begin check-in as early as possible in the afternoon, no later than 4:30 PM, earlier if we possibly can, and start the auction at 6:30 PM.

HOTEL...We recently learned that in the weeks following *Radiofest*, the Willowbrook Inn will begin a massive renovation. The construction was delayed by permitting and also for *Radiofest*. The hotel will be making every effort to accommodate us and they do want us to return in 2015. We ask for your patience with any potential inconveniences. If there are any problems, be polite, be persistent and be patient. Both ARCI and the hotel will do our best to accommodate you. Based on my visit in mid-June, the banquet and service areas all look fine and Norma assured me that the hotel will be ready for us.

CRITICAL APPEAL FOR VOLUNTEERS...The following is *NOT a Practice Emergency Alert*; this is the real thing! Our *Radiofest* college age work crew has grown up, some married and most working in new real full-time jobs with PTO and vacation days yet to be accrued. We need at least 4, or more, additional volunteers to make the auction check-in and check-out work. Volunteers will still be able to attend the auction and are free to do the swap meet etc. on Friday and onward. We will be organizing and beginning operations starting around 4:00 PM Thursday and concluding a bit before 11:00 PM. As a last resort we could use a temp agency. Four temps for 7 hours is 28 hours, times about \$35/hr, for a total approaching \$1,000. That's about half of the clubs net proceeds from the auction. The auction IS one of *Radiofest's* Signature Events. I don't need to tell you what must be done. We already know. We also need some "No-Heavy-Lifting, paperwork-or-computer friendly" help Thursday afternoon and early Friday morning, during the rush of Seller check-in and registration. Let me see a show of hands?

THANK YOU...An article in the April issue described and launched the Member-Sponsor program intended to build funds to help off-set any unexpected short-fall at *Radiofest*, should one occur. Member-Sponsors now include, Dan Goluba, Dave Cantelon, Harvey Mattel, Bob Piecarz, Mark Detgen, Rudy Hecker and Olin Shuler. Many thanks are extended for the support. Please contact me if you would like to participate.

BRING YOUR CONTEST ENTRIES...What do you have in your antique radio collection that you think is really great? Have you considered participation in the Equipment Contest? Categories have been selected so as to accommodate a wide selection of top flight equipment and memorabilia. Get it out, shine it up, and bring it in!

See you all at *Radiofest* 2014!!! As our sellers all say, "Bring friends with money!" So let me hear from you! I hope to see you all at *Radiofest!* Cell 217-257-5830. Email oshuler@comcast.net

See You At The Next Meet, 30 & 73
OLIN SHULER, W9PQD
ARCI PRESIDENT

ARCI UPDATE

The President's Column -- All The News That's Fit Too 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!!* The college staff has grown up and is now working full time. They cannot take the vacation days. We plan to hire temporary staff to fill-in, but this is costly. 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 Olin Shuler at oshuler@comcast.net.
- *Old Equipment Contest.* We need staff for registration. Please contact Jeff Aulik at akent36@insightbb.com.
- *Donations of Food and Snacks.* Please contact Janet Lavelle at 708-687-3007.
- *Donation Auction.* We need staff support since our expert will be on vacation. Please contact Olin Shuler at oshuler@comcast.net.
- *Radio Rescue.* We need staff support since our expert will be on vacation. Please contact Olin Shuler at oshuler@comcast.net.

JUNE COMBINED MEET DRAWS LARGE CROWD

Our June ARCI meet was combined with the Six Meter Club and the Midwest Classic Radio Net (MCRN) Hamfest at the DuPage Fairgrounds in Wheaton. The weather for the day was ideal. Close access by car made drop off and pickup of items easy. This year we had ticket stubs in the Prize Drum from 12 states, as far away as Colorado and Florida. The Midwest Classic Radio Net's Hamboree featured a nice selection of vintage shortwave and ham equipment. The Amateur Radio swap area contained an impressive variety of equipment and parts, along with outstanding commercial vendors. Olin was surprised at the amount of time he spent there and the unexpected treasures everyone found! The donation auction, which included a good variety of radios and parts, was run by Jim Novak and Rudy Hecker.

As usual, the ARCI swap area was full of sellers displaying a wide range of vintage parts, tubes, and nice looking radio equipment. Janet LaVelle held the 50-50 raffle, and Kate Stair was the lucky winner. Lots of people picked up *Radiofest* flyers, and Judy Heuther accepted *Radiofest* reservations. Thanks to everyone who participated in helping to make this another fine show.

Wisconsin Antique Radio Club, Inc.

www.warci.org

We welcome you to our upcoming Meets:

July 20 – Swap Meet

Special invitation to TV Collectors!

50-50 Raffle, Donation Auction, Live Music Surprise,
Free Pizza Lunch

September 21 – Swap Meet and Auction

WARCI's 4th Annual Auction, 50-50 Raffle, Free Pizza

Both Meets 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.

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!!!



The business card features a vintage radio on the left and electronic components (a capacitor and a resistor) on the right. The text on the card reads: "Just Radios", "Capacitors & Resistors for Tube Radios", "David and Babylyn Cantelon", "6 Ferncrest Gate, Scarborough", "Ontario, Canada, M1W 1C2", "www.justradios.com", "justradios@yahoo.com", and "(416) 502-9128".

HAMFESTERS RADIO CLUB 80th ANNUAL HAMFEST AMATEUR RADIO COMPUTERS-ELECTRONICS-CRAFTS SUNDAY AUGUST 3rd, 2014

EXHIBITS

Open at 8:00 a.m.
Amateur Equip. and Computers
14,200 sq. ft. of exhibits
Fully Air-Conditioned Building
Special Drawing for Exhibitors

FLEA MARKET

Open 6:00 a.m. - 3:00 p.m.
No Additional Charge for Flea
Market Space!
Rain or Shine - Six Covered
Pavilions for Flea Market
Special Drawing for Sellers
Family Fun For All

FAIRGROUNDS

35 Acres of FREE Parking
Clean Restrooms
Great Food and Beverages
Overnight Parking
\$10.00 fee for Outside Electricity



(45 Min. from Downtown Chicago)
Take I-57 to Peotone
Exit 327 (East)

PRIZES

\$500 Grand Prize Winner Need Not
be Present for 1:00 p.m. Drawing
Many More Hourly Prizes

TICKETS

\$15.00 per Indoor Reserved Table
\$8.00 Advance w/Double Stub
\$10.00 at the Gate w/Single Stub
Children under 12 FREE

VE TESTING 8:00 a.m. to 10:30 a.m.

Tables & Information
Harry Nelson - ARCA
5434 Hazel Lane
Hazel Crest, IL 60429
708-585-4514
708-581-0288
h_nelson@arrl.org

Advanced Tickets
Lynn Kosowatzki - NWRV
PO Box 1185
Oak Forest, IL 60452
708-267-3283
nkrad@arrl.org
(please include check & SACS)

TALK IN

146.52 Simplex
Visit our website at
WWW.HAMFESTERS.ORG



**PEOTONE'S
LARGEST HAMFEST
WILL COUNTY FAIRGROUNDS
PEOTONE, ILLINOIS**



RADIOFEST SPONSORS

ARCI Thanks All Our Partners and Sponsors



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 2014

COMMEMORATING THE WORLD WARS

Radiofest 2014 will take place July 31 - August 1st through 2nd as we return to the Willowbrook Inn Conference Center. Our theme this year commemorates the 100th anniversary of World War I and the 70th anniversary of D-Day. Our theme will be reflected in the main exhibit and in the equipment contest. 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.

RADIOFEST 2014 FEES

*Selling Spaces – 1st \$45.00 Pre-registration,
\$50.00 On site registration;*

Additional Spaces \$35.00; Saturday Only \$30.00

Banquet – \$35.00 each; \$65.00 per couple

*8' Table Rentals – \$15.00 each; Only through
pre-registration*

We are pleased to announce there will be no increase in dues, swap meet selling space, or auction fees. Dues: \$20. First selling space: \$45 Pre-registered, \$50 on site registered. Additional selling spaces: \$25 Pre-registered, \$35 on site. Table rental; (8 ft) pre-registered only, \$15. One-day single space: Saturday, \$30. Table rentals can be picked up at the registration booth during check-in. By special request, we will again offer a vegetarian menu item at the banquet. The parking lot setup will be the same as last year.

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!!

RADIOFEST 2014 ~ PRELIMINARY SCHEDULE

THURSDAY (7/31)

Pre-Registration Available After 5pm ~ Main Auction at 6:30pm (Main Ballroom)
Free Pizza Party After Auction

FRIDAY (8/1)

7am Registration / *Radiofest* Opens ~ Flea Market All Day
Special Event Ham Radio Station - All Day ~ Hospitality Tent & Food Service - All Day
Educational Programs (East Ballroom) ~ Ladies Luncheon (Restaurant)
Old Equipment Contest (West Ballroom) ~ Banquet & Entertainment (East Ballroom)

SATURDAY (8/2)

Free Seller's Raffle at 9:15am ~ Donation Auction at 9:30 am
Flea Market Until Noon

The Sky's the Limit...

at the 105th Radio Club of America

Anniversary Awards Banquet!

November 22, 2014
The New York Athletic Club
180 Central Park South, New York, NY



ANNOUNCING... OUR KEYNOTE SPEAKER

BOB HEIL (K9EID), legendary rock sound pioneer, will be the keynote speaker at the 105th RCA Anniversary Awards Banquet, November 22, 2014 at the New York Athletic Club, NYC.

Bob Heil has been an innovator in the field of amateur radio, manufacturing microphones and satellite dishes for broadcasters and live sound engineers. Heil Sound became one of the first American companies to create and install home theaters. He has won multiple awards and honors, and in 2007 he became the first manufacturer to be invited to exhibit at the Rock and Roll Hall of Fame.

RCA has a block of rooms at the luxurious Park Central Hotel minutes from the NYAC. Reserve your hotel rooms now by calling the Park Central Hotel reservation link at 1-800-346-1359. Make sure you identify you are with the Radio Club of America.



Contact Pat Koziol at **973-283-0626** or pat@radioclubofamerica.org
The Radio Club of America, founded in 1909, is the world's first radio communications organization and members are from every facet of the radio communications industry, including broadcast and wireless technology.



www.radioclubofamerica.org
973-283-0626



53RD AWA WORLD CONVENTION AUGUST 12-16, 2014

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:

Hallicrafters History and Equipment

- Visit the AWA Museum With Expanded Conference Hours
- Expanded Old Equipment Contest Includes Special Categories for Hallicrafters, Collins and Military Gear
- \$30.00 Buys Unlimited Flea Market Space. Sell it All!
- All New Forums and Presentations
- Food, Glorious Food! International Dinner, Pizza Dance Party, All You Can Eat Buffet, Ladies Luncheon, 53rd Anniversary Banquet
- Movie Night — Relax With Popcorn and Drinks
- Special Event Station W2AN Featuring Hallicrafters Equipment
- Saturday Auction

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.awaconference.com
Questions? Call Chairman Roy Wildermuth at 585-899-6703

RADIOFEST

July 31st thru August 2nd, 2014



Willowbrook Inn, 7800 South Kingery Hwy (Rte 83)
Willowbrook, IL 60527 (630) 325-6400

All hotel reservations must be made directly with the Holiday Inn.
Discounted Hotel rates for ARCI members begin at \$99.00.

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 (\$20.00)

(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 — 8 foot table

Rentals - Pre-registration only

_____ times \$15.00 = \$ _____

Please check here _____ if you are buying a sellers space just to reserve a parking space so that we can keep all sellers grouped together. Thank you!

One Day Single Space Rates

Saturday Only (\$30.00) \$ _____

Banquet (Four Course Meal) and Show

Breast of Chicken With Raspberry-Pecan Sauce

_____ Attending times \$35.00 = \$ _____

Trout Almandine

_____ Attending times \$35.00 = \$ _____

Roast Sirloin of Beef Au Jus

_____ Attending times \$35.00 = \$ _____

Pasta Primavera

_____ Attending times \$35.00 = \$ _____

Less discount (2 for \$65.00) = \$ _____

TOTAL OF ALL \$ _____

NAME: _____

ADDRESS: _____

PHONE # DAY: _____ EVENING: _____

E-MAIL: _____ APPLICATION DATE: _____

EMERGENCY CONTACT NAME: _____ PHONE: _____

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, 2014. 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 and may vary on day of show.

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 2014

July 31 to August 2

Thursday – Friday – Saturday

The Willowbrook Inn
7800 South Kingery Hwy (Rte 83 & I-55)
Willowbrook, IL 60527 (1-630-325-6400)



COMMEMORATING THE WORLD WARS

THURSDAY

- Setup Day (**NO SALES**)
- Main Auction 6:30pm in the Ballroom using big screen video. Followed By Free Pizza Party!! (ARCI Members)
- Pre-Registration Packets Available After 5pm

FRIDAY

- 7am *Radiofest* Opens
- Registration open
- Flea Market open All Day
- Noon - Ladies Luncheon
- Educational Programs
- Ham Radio Ops All Day
- Hospitality Tent All Day
- Hotel Food Service

SPECIAL EXHIBIT MILITARY RADIO

- 100th Anniversary WWI
- 70th Anniversary D-Day
- Military Radios
- Memorabilia

EQUIPMENT CONTEST

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

FRIDAY NIGHT BANQUET

Dinner, Annual Recognition & Contest Awards

THE LEGACY GIRLS

The Sounds and Style of the Andrews Sisters



SATURDAY

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

FRIDAY PROGRAMS

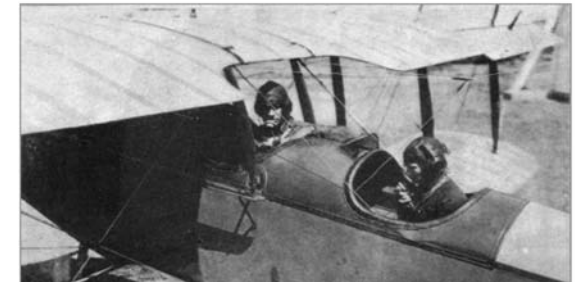
- Radio Clinic Under The Big Top – *Ed Huether (Career Radio Engineer)*
- Motorola During WWII – *Olin Shuler (Motorola Quality Engineer)*
- Vacuum Tube Audio Q&A – *Pete Nauseda (Technical Expert in Audio)*
- Ham Radio Forum: Amateur Radio In WWI & Videos From WWII – *Bill Ross (Radio Historian)*
- WWII Experiences “Up Front” – *Frank Glas (WWII Bombardier)*
- Remembering Charlie Stinger – *Bob Sands & Robert White (CARS)*

IMPORTANT INFORMATION

- ARCI Registration Form: <http://www.antique-radios.org>. Pre-Registration Deadline: July 1.
- Hotel Reservations: Front Desk 1-630-325-6400. Ask for ARCI room rate of \$99.00 per night.
- Seller Fees: 1st space: \$45 pre-reg./\$50 onsite. Additional spaces: \$35 pre-reg./\$35 onsite. Saturday Only \$30. Banquet tickets: \$35/person, \$65/couple. 8' TABLE RENTALS \$15 each (pre-registration only). No charge for general admission. Membership required for attending programs.
- Questions? Call 630-739-1060. See www.antique-radios.org.

Other equipment in the system included the two leather flying helmets, type HS-1 which were fitted with a microphone and headphones. They were designed to fit snugly in order to eliminate most outside noises in the open cockpits. Either one of the two single-button carbon microphones could be used for transmission.

The Army Signal Corps type SCR-68 Radio Telephone communication system was designed for short ranges and was reliable up to five miles. However, during one test under ideal conditions, the system received and transmitted messages up to eighteen miles to radio equipment on the ground.



Testing the Wireless Telephone System on the Ground Before Flight.

According to the Signal Corps Pamphlet #29: “Type SCR 68 presents no special difficulties when simple rules are remembered”

- Do not forget to inspect the set before each flight.
- Do not forget to plug in the telephone transmitter and receiver plugs.
- Do not forget to throw the receive transmit switch.
- Do not talk rapidly.
- Do not have the telephone transmitter away from your mouth.
- Do not cup the hands over the telephone transmitter
- Do not shout into the telephone transmitter.
- Do not become impatient if you do not hear signals immediately.
- Do not expect satisfactory operation over more than five miles.
- Do not touch any un-insulated parts while the switch is on transmit.
- Do not tinker with the set.

By the late summer of 1918, approximately 3,000 complete type SCR-68 units were manufactured and distributed to the US Army and most were mounted on De Haviland DH-4s. Conversations between airplane crews and ground stations by means of the radio telephone became routine and they were used during the closing months of the war. For the first time it was possible for ground observers to talk to pilots in the air miles away. Furthermore, Commanders of aero squadrons could also voice warnings to all their pilots as to the movements of enemy aircraft. Squadron formations of all sorts could be maintained in the air as easily as infantry units on the ground. It was reported on November 23, 1918 that squadrons of American airplanes fighting in France were maneuvered under vocal orders transmitted by radio telephone and its advantages were proved in actual air combat.

Shortly after the end of the war, Major General George O. Squier, Chief Signal Officer of the U.S. Army, in an address before the American Institute of Electrical Engineers extolled the merits of the radio telephone system. He stated that the radio telephone enabled American squadron commanders to direct and control by voice the movements of individual units, who in turn helped allied artillerymen to silence the German guns.

Due to its many problems, primarily its inability to communicate with other types of radios and its very limited range, the SCR-68 radio system quickly became obsolete after the war and was replaced with better systems. Nonetheless, the SCR-68 system was one of the first steps towards developing more effective messaging between pilots, crewmembers and commanders on the ground. The success of the aerial radio telephone was one of the greatest achievements of WWI.

The generator GN-1 was a wind-powered device that used a miniature propeller. It was located in an aerodynamically shaped pod fitted on the braces of the landing gear so that it would not hinder any other parts of the aircraft. The generator was used to gather adequate wind power and convert it to electrical power for the aerial radio telephone system. The generator provided a plate voltage at 300 volts and a filament voltage at 30 volts. The voltage output was regulated by a General Electric type TB-1 vacuum diode which controlled the amount of current flowing through the generator field winding. The wind-powered generator was not very efficient because it required the airplane to travel at fast speeds in order for it to work properly



GN-1 Generator Installed on a Jenny.

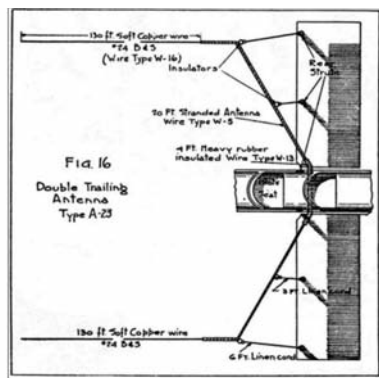


GN-1 Generator.



Inspecting the GN-1 Generator Used For the Wireless Telephone System.

There were two types of antennas used for the system. The single trailing antenna type A-21 was used for straight away flying. It comprised a 4 foot length of cord made fast to a reel at one end and tied at the other end to a 300 foot length of antenna wire. The observer used a hand-operated reel to extend and retract the antenna while in flight. The antenna was made of copper wire and weighed 19.5 pounds including the two pound weight shaped like a fish at the end of it to stabilize the wire in flight. The second type of antenna was the double trailing antenna type A-23. It was used for airplanes flying in formation. The length of the copper wire on the type A-23 was 130 feet.



Double Trailing Antenna Type A-23 Diagram.

MAIN AUCTION & PARTY ON THURSDAY NIGHT

The Main Auction will take place on Thursday evening in the Ballroom from 6:30-8:30pm followed by a FREE Pizza Party for ARCI members. Pre-registered attendees will be able to pick up their packets by mid-afternoon on Thursday to set up. Registration for the Main Auction will open by 4:00pm 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 Greg Hunolt from 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 post-auction pizza party continues to be very well received and lasts until midnight. 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

Fees are \$5 per item for sellers (\$10 for non-members), bidding cards at \$2 each (\$3 for non-members) and a 5% buyer's premium. Please contact me (oshuler@comcast.net) if you have any questions or comments.

PROGRAMS

Keith Schreiter and Olin Shuler coordinated the educational programs this year. Planning for our speaker programs is well underway, and this year promises to offer another top notch lineup. See the separate announcement below for a sneak peak and an outstanding program and the addition of a NEW Radio Clinic under the tent this year.

RADIOFEST 2014 PRELIMINARY PROGRAMS (As of June)
<p><u>RADIO CLINIC UNDER THE BIG TOP</u> Ed Huether An informal, open clinic covering radio repair topics, welcoming questions and offering advice.</p>
<p><u>MOTOROLA IN WWII</u> Olin Shuler Learn about critical production of communications equipment and contributions to the war effort.</p>
<p><u>THE VACUUM TUBE AUDIO</u> Pete Nauseda Q&A session: validate your beliefs & learn the innermost secrets of "glassware circuits".</p>
<p><u>HAM RADIO FORUM</u> Bill Ross Learn about the contributions of Amateur Radio during the enforced silence in WWI, and videos from WWII plus Show & Tell with your favorite piece of ham radio equipment.</p>
<p><u>WWII EXPERIENCES "UP FRONT"</u> Frank Glas Learn about WWII from a veteran bombardier with a view from the nose of the plane.</p>
<p><u>REMEMBERING CHARLES STINGER</u> Robert Sands & Robert White Recall Charlie's days at WLW and the Voice of America as a radio engineer, historian and humanitarian.</p>

EQUIPMENT CONTEST & SPECIAL DISPLAY

The equipment contest will be set up in the West Ballroom as usual. 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. In addition, rare and interesting artifacts and equipment dating from “The World Wars” will be on display in the Atrium.

RADIOFEST 2014 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

- | | |
|---|--|
| <ul style="list-style-type: none"> • Radios Pre-1930 • Radios Pre-WWII (to 1945) • Radios Post-WWII (1946 & later) • Military Radios • Catalin & Rare Plastic Radios | <ul style="list-style-type: none"> • Transistor & Novelty Radios • Speakers • Vacuum Tube Audio • Radios Made In The Midwest • Open |
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RADIOFEST 2014 SPECIAL ATRIUM DISPLAY

THE WORLD WARS

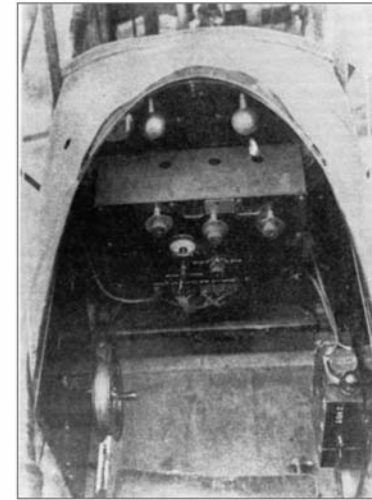
Military radios and memorabilia from WWI and WWII to commemorate the 100th anniversary of WWI and the 70th anniversary of D-Day. If you have an item you wish to display, please fill out the form in this issue.

FRIDAY NIGHT BANQUET

The East Ballroom will be the site of the annual “Carl and Carolyn Knipfel Banquet”. The entertainment will feature Chicago’s very own *LEGACY GIRLS*, a trio deftly re-creating the amazing sounds and style of the 1940’s *ANDREWS SISTERS*. Come and enjoy! Banquet tickets are priced at \$35 per person, or 2 for \$65.



The Legacy Girls – The Sounds and Style of the Andrews Sisters.



Early Radio Equipment Mounted in Rear Cockpit.

The SCR-68 Radio Telephone Set was mounted in the rear cockpit of several different types of biplanes. The antenna reel was mounted to the left. The filter box was screwed to the fuselage floor, under the forward seat or placed in the cockpit under the instrument panel. The pilot’s interphone set box was mounted where the operator could reach it.

The type SCR-57, basic component, BC-10, Airplane Interphone unit was the first airplane interphone and it was used in conjunction with the type SCR-68, Receiver/Transmitter. The Airplane Interphone unit was essentially a portable intercom switching station that allowed the pilot to communicate with his gunner or observer during flight or switch to communicate with the ground. The interior of the box contained condensers, coils and wiring and a tray for batteries that supplied the current for the carbon microphones in the headsets. The box measured 10-3/8 inches x 6-3/8 inches x 2-5/8 inches. There were a total of 3,978 type SCR-57, Airplane Interphones produced as of Nov. 11, 1918.



Type SCR 57, BC-10 Interphone Box on Display at the Hamilton Field Museum CA.



Inside the type SCR-57, BC-10 Radio Interphone Box.

FRIDAY LADIES' LUNCHEON

Janet LaVelle will once again host the Ladies' Luncheon on Friday. Janet is working with the hotel catering office to whip up a special feast for all the ladies. Table prizes will be awarded. Ladies, this is your special time to relax, so please join Janet for a great luncheon!

RADIOFEST HOTEL — SAME LOCATION

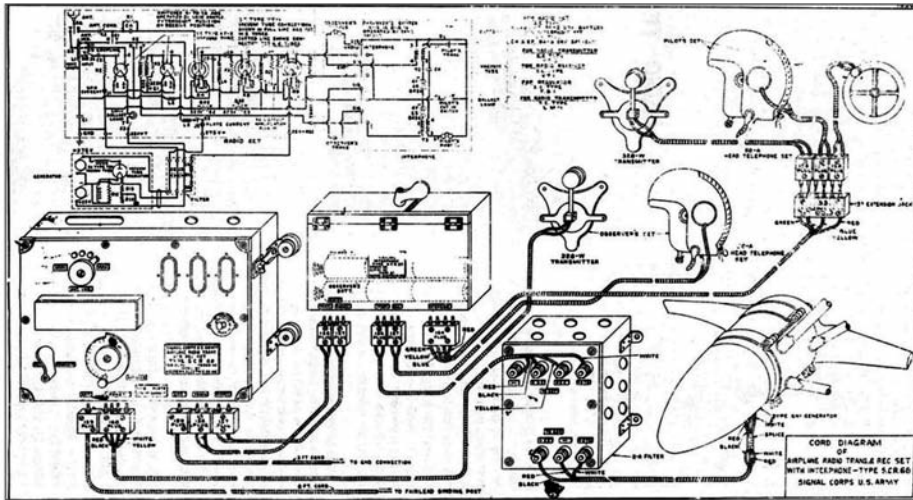
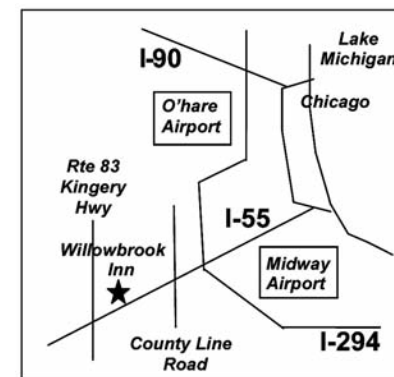
Radiofest 2014 will return to the *Willowbrook Inn & Conference Center*, not far from both Chicago airports (20 miles from O'Hare and 15 miles from Midway). Hotel reservations for July 31 - August 2, 2014 must be made directly with the Willowbrook Inn. The hotel is offering discounted rates for radio show attendees starting at \$99.00. You must mention ARCI to get the discounted rate. Last year there was some confusion with the national booking service about room rates, so we recommend calling the hotel directly. We strongly recommend that you make your reservations early. Last year the hotel sold out.

Note, in the weeks following *Radiofest*, the Willowbrook Inn will begin a massive renovation. The construction was delayed by permitting and also for *Radiofest*. The hotel will be making every effort to accommodate us and they do want us to return in 2015. We ask for your patience with any potential inconveniences. If there are any problems, be polite, be persistent and be patient. Both ARCI and the hotel will do our best to accommodate you. Based on a site visit in mid-June, the banquet and service areas all look fine, and we are assured that the hotel will be ready for us.

Willowbrook Inn & Conference Center

Willowbrook Inn	Reservations:	(630) 325-6400
Hotel & Conference Center	Front Desk:	(630) 325-6400
7800 South Kingery Hwy (Rte 83)	Hotel Fax:	(630) 325-2362
Willowbrook, IL 60527		

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



Wiring Diagram of Airplane Radio Transmitter and Receiver Set With Interphone, Type SCR-68, Signal Corps U.S. Army.

The type SCR-68, basic component, BC-11, Radio Receiver/Transmitter was at the core of the system and was the circuit apparatus that was used for receiving and transmitting messages. It was housed in a suitcase shaped box that measured 17 inches by 10 inches by 7 inches and weighed 21 pounds. Dials were used to control the frequency of the radio and flip paddles switched the radio from receive to transmit and vice versa. The transmitter section used two type VT-2 tubes as oscillator and modulator. The switch at the top and the knob at the bottom determined the receiver frequency. The SCR-68 system operated between 600-1500 kHz. Three windows allowed the filaments of the three VT-1 tubes in the receiver section to be observed while in operation. Below the windows was a switch which controlled the receiver audio level. The receiver consisted of a non-regenerative detector, and two stages of audio amplification.



Type SCR 68, BC-11, Radio Receiver/Transmitter.



Inside the Type SCR-68, BC-11, Radio Receiver/Transmitter.

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 708-447-7876 or WA9FIH@aol.com. We will be installing antennas and checking out equipment on Thursday afternoon. Thanks!

FREE SATURDAY SELLERS' RAFFLE

To thank our sellers for participating, we will offer a free Sellers' Raffle scheduled on Saturday. 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 Saturday morning. Items donated to the club will be sold at either the Donation Table or the Saturday 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.

WEEKEND EVENTS

RADIOFEST 2014 WEEKEND EVENTS

<p style="text-align: center;"><i>CANTIGNY PARK & 1ST DIVISION MUSEUM</i></p> <p><i>Park & Grounds: 7am-Sunset; Museums: 10am-5 pm; Golf: 7am-Dusk; Winfield Rd. South of Rte. 38 Wheaton, IL See www.cantigny.org</i></p>	<p style="text-align: center;"><i>80TH ANNUAL HAMFESTER'S RADIO CLUB</i></p> <p><i>HAMFEST IN PEOTONE, IL Sun., Aug. 4, 6am-3pm; Will Co. Fairgrounds, Peotone, IL I-57 South of Chicago, Exit 327, 1 Mile East. See www.hamfesters.org</i></p>	<p style="text-align: center;"><i>WOLFF'S FLEA MARKET (LARGEST IN CHICAGO)</i></p> <p><i>Sun., Aug. 4, 6am-1:30 pm; Allstate Arena; 6920 N. Mannheim, Rosemont, IL; (Mannheim between Higgins & Touhy); See www.wolffs.com</i></p>
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FREE SATURDAY SELLERS' RAFFLE

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

DONATIONS

This year we are relocating the donation auction closer to the Registration Tent. 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 Saturday 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 Olin Shuler at oshuler@comcast.net.



*Representative From Western Electric Co. and Military Officers
Watch an Early Aircraft Radio Test.*

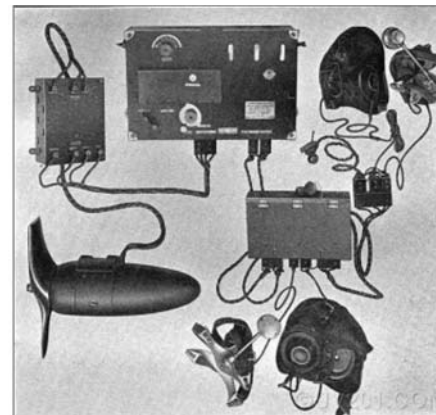
An eyewitness account from one of the men who helped set up the demonstration stated:

“They went to our little station on the hill, where we had rigged up a loud-speaking receiver connected to the wireless apparatus so that all could hear without the use of headsets. The planes left the ground and after what seemed an interminable length of time we got the first sounds in the receiver which indicated that they were ready to perform. The spectators were only mildly interested and some seemed a bit bored.

Suddenly out of the horn of the loud speaker came the words, ‘Hello, ground station. This is Plane No. 1 speaking. Do you get me all right?’ The bored expressions immediately faded and looks of amazement came over all their faces.

Soon we got the same signal from No. 2 and the show was on. Under command from the ground the planes were maneuvered all over that part of the country. They were sent on scouting expeditions and reported what they saw as they traveled through the air. Continuous conversation was carried on, even when the planes were out of sight, and finally upon command, they came flying back out of space and landed as directed.

From that moment, the radio telephone was sold.”



The SCR-68 Radio System Components.

The Western Electric Company developed several components which became the SCR-68 radio-telephone system. The SCR designation originally stood for “Set, Complete, Radio” but later signified “Signal Corps Radio”. The observer or gunner managed the radio system in the open cockpit aircraft by receiving and relaying messages for the pilot. The system also worked like a private telephone line because the pilot and observer could use the system to communicate with each other.

RADIO ZONE

An Occasional Column Featuring Radio Collecting Topics
By David Trojan

RADIO TELEPHONE SUCCESS IN AIRPLANES DURING WWI

Before the United States entered World War One, little had been done to adapt the radio telephone for aerial use. Although aerial radio work had been closely studied as far back as 1910, it wasn't until after the U.S. committed to the war that development progressed at a fast pace. The US Army pushed for better aerial communication technology to gain the advantage in World War One.

The SCR-68 was the first complete radio telephone system that was US manufactured and developed specifically for aircraft communication between aircraft in flight and with a ground station. The Western Electric Company developed the SCR-68 radio telephone system to meet U.S. government specifications. Before the SCR-68 system, there had been other aerial radio telegraphs, transmitters and receivers, but the SCR-68 system brought a number of different components together. Most of the technical challenges of radio telephony were overcome prior to WWI; it was just a matter of adapting the equipment for aerial use. Some of the problems that were solved were: overcoming of the noise and vibration from the motor; reducing the weight of the apparatus; avoiding hazards from the electric current; and making it simple enough for the flyers to operate.



SCR-68 Radio Telephone System in Operation.

One of the hardest obstacles to overcome during development was convincing pilots to fly with the bulky apparatus. The early pilots were fussy about what was loaded into the planes they were to fly, and they disliked the trailing wires which served as antenna. It took a lot of maneuvering and diplomatic jockeying to get the apparatus aboard and into the air.

Test flights began as early as October 1917 using equipment installed on modified JN-4 Jenny airplanes. These test flights proved the concept successful and afterwards it was just a matter of selling the idea to influential military leaders.

In early December 1917, a decidedly skeptical crowd of admirals, generals, foreign representatives and technical experts gathered at South Field, Dayton, Ohio to witness a demonstration of the aerial communication apparatus. Upon arrival, the attendees were shown the apparatus in the planes and explained what it was expected to do. Many in the crowd had doubts that the apparatus would work.

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.

SPECIAL RADIOFEST DISPLAY By Dave Bart

This year is the 100th anniversary of the start of World War I and the 70th anniversary of D-Day in World War II. Many new radio technologies were born in both wars. We invite you to commemorate the anniversaries of THE WORLD WARS by participating in our special display theme for Radiofest 2014. ARCI members are invited to bring one or several pieces of equipment for display, but MUST preregister to avoid duplication of entries in the limited space available.

We will have a display of WWI and WWII military radio items. We are also looking for your contributions such as:

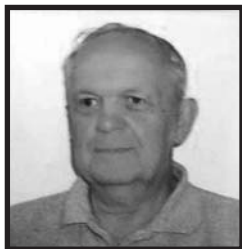
- Army, Navy, Air Force, Marine and Coast Guard radios
- Related telephone, telegraph, wireless and other communications items
- Advertising and memorabilia from WWI and WWII
- Related items from famous news stories and other events

Communications technology leaped forward as a result of each historic event. Our Atrium display will feature hardware and memorabilia from both periods. We would like to feature any items with their documentation, including newspaper or magazine articles and original equipment instructions and photos. The display is not limited to commercially produced items.

The Atrium Display is a special feature of Radiofest that operates in addition to the contest room. We invite our members to participate in both venues. ARCI members are invited to bring one or more items but please email Keith Schreiter at: N9QDS@ARRL.NET if you would like to participate so we can avoid duplication.



RADIOFEST 2104 FEATURED PRESENTATIONS (FRIDAY ~ EAST BALLROOM)



Ed Huether's Open Radio Clinic

Ed Huether
Registration Tent

9:00am - 9:50am (and beyond)

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 9:50 AM, So drop by, bring in your problem radio and be a part of the Ed's radio clinic!



MOTOROLA During World War II

Olin Shuler
10:00am – 10:50am

ARCI President, Olin Shuler is a 26 year alumni of Motorola, during radio's Glory Days from the end of WW II to the mid 1970s. As a radio history buff he has extensive knowledge of Motorola in the 1940s. Learn how two engineers who helped develop the Motorola's first car radio came to design the "Handy Talkie", and who was the famous person who brought it to prominence? Patriotism and concern for free enterprise combined forces when Motorola found a way to meet the War Department's needs, utilizing their pre-war suppliers and distributors who lacked access to raw materials to remain in businesses.



Vintage Vacuum Tube Audio Q & A

Conducted by Pete Neusada
11:00am – 11:50am

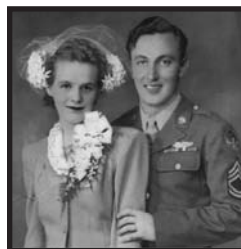
Pete's knowledge and experience in high quality audio extends back to the first Golden Age of High Fidelity in the early 1950s. Fascinated by audiophiles' claims of sweetness and warmth of vacuum tube audio, he wanted to find out for himself. -- And with the collection he amassed and restored, he did! His ventures range from vinyl, to tape, to CD sources driving both vacuum tube and solid state amplifiers. Questions and interests expressed by the audience will guide the subjects discussed and their technical level. Pete will also have handouts from previous presentations. Come and join the discussion.



Ham Forum

Bill Ross, W9WR
1:00 pm – 1:50 pm

Hams and non-hams are invited to our Annual Ham Forum. Learn about some of the interesting amateur radio activities on the home front during the enforced ham radio silence in World War II. Videos from the period will cover "home-front" civilian activities that supported the war effort. 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.



World War II "Up-Front"

SFC Frank Glas, 8th Army Air Corps
2:00 pm – 2:50 pm

Frank Glas was a bombardier in the Army Air Corps, flying "up front" in the nose of a B-17 bomber, completing 35 missions over Europe in the closing days of World War II. Meet Frank, see pictures of the plane and its crew, based in England, along with numerous action photos taken over Europe by reconnaissance cameras aboard the planes. His military life, described in a video to be shown, was produced by a local historical society. He has a large collection of World War II ephemera, a portion of which will be on display in the Atrium. He will be with his display for questions and answers following the talk, until 6:00 PM.



Remembering Charlie Stinger

Robert White & Robert Sands, CARS
3:00 pm – 3:50 pm

Charlie Stinger, W8GFA, (Silent Key) was a long time distinguished member of ARCI and the vintage radio fraternity, a founding member of AWA, and member of ARRL, QCWA, OOT, CARS and many other clubs. Most of his professional life was spent at WLW and the VOA station near Cincinnati. A talented engineer and historian, he was generous in his willingness to share his vast knowledge with his fellow club members, presenting talks and artifacts. Robert White and Robert Sands of the Cincinnati Club will present a program in memoriam.