

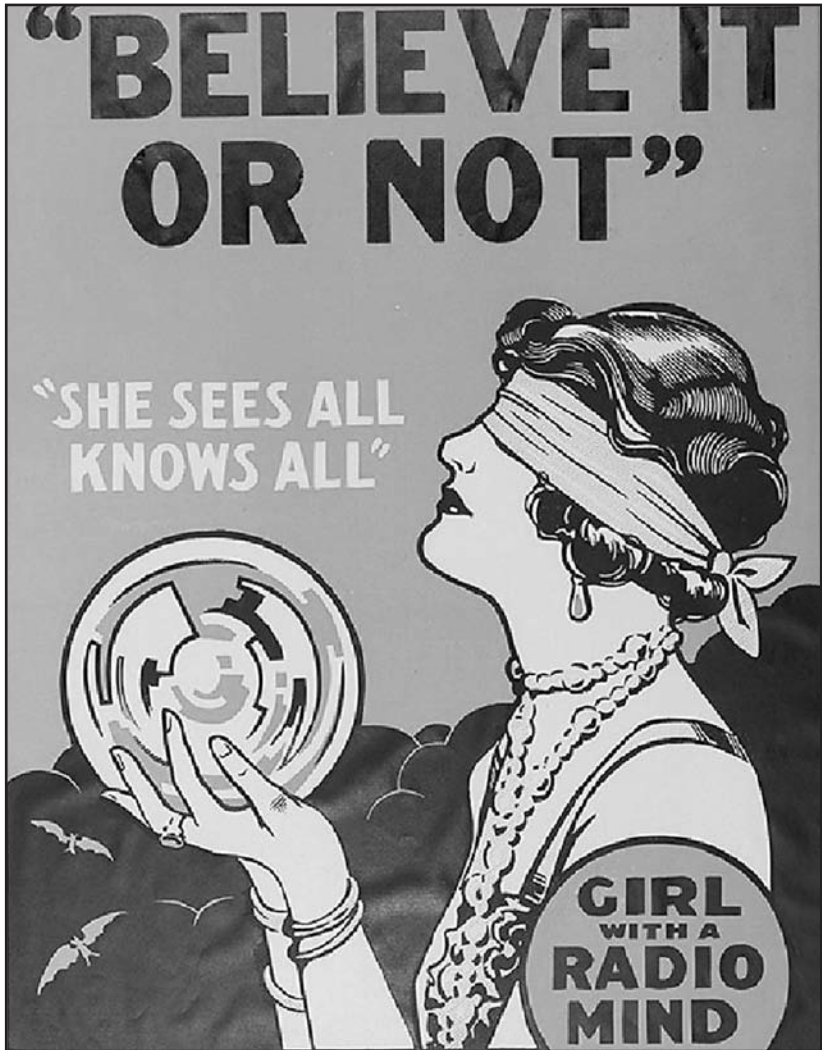


ARCI NEWS

www.antique-radios.org

Affiliated AWA
Antique Wireless Association 

Volume 37, Issue 2
April, 2018



RADIOFEST 2018 THEME *“ELECTRONICS KITS”*

*(Poster Image Courtesy: Potter & Potter Auctions,
March 3, 2018; Hammer Price: \$2,400)*

UPCOMING INDOOR/OUTDOOR MEET

APRIL 29, 2018

AMERICAN LEGION HALL

570 South Gary Avenue, Carol Stream, IL

April 29, 2018 • 7AM - 11AM

Outdoor If Warm / Indoor If Cold or Raining

Peoples' Choice Contest: Awards For 1st, 2nd, 3rd Place

Donation Auction

Business Meeting 9:30am

Boy Scout Pancake Breakfast / Free Coffee, Juice & Cookies

50/50 Cash Drawing Raffle



2018 ARCI MEET SCHEDULE

April 29, 2018	7AM-11AM Outdoor Swap Meet Inside Business Meeting 9:30AM	American Legion Hall Carol Stream, IL (See Map)
June 17, 2018	Outdoor - Gates Open 7AM Combined Meet With 6-Meter Club of Chicago	DuPage County Fairgrounds Wheaton, IL (See Advance Ticket Form & Map)
August 24-25, 2018	RADIOFEST	Medinah Shriners/Addison, IL
October 7, 2018	7AM-11AM Outdoor Swap Meet Business Mtg./Officer Election 10AM	American Legion Hall Carol Stream, IL (See Map)
December 9, 2018	7AM-11AM Indoor Swap Meet Business Meeting 10AM	American Legion Hall Carol Stream, IL (See Map)



ARCI



MEMBERSHIP RENEWALS

PLEASE CIRCLE YOUR MEMBERSHIP:

<u>Membership Option</u>	<u>Dues</u>	<u>Benefits</u>
Annual Membership	\$ 25	Full benefits: <i>ARCI News</i> subscription, Fee Discounts At Events, Seller Privileges at ARCI Events.
Spousal Annual Membership	\$ 10	Discounts at Events.
Student Annual Membership	\$ 5	Must Be 18 or Under, Full Benefits.
Lifetime Membership	\$340	Full Membership Benefits For Life (non-transferable).

MAKE YOUR CHECK PAYABLE TO ARCI AND SEND TO:

Antique Radio Club of Illinois
P.O. Box 1139
LaGrange Park, Illinois 60526

EMAIL DELIVERY OF ARCI NEWS? YES OR NO (CIRCLE ONE)

PRINT DELIVERY OF ARCI NEWS? YES OR NO (CIRCLE ONE)

Name: _____

Spouse: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Home Phone: _____ Application Date: _____

Email: _____

Emergency Contact Name: _____ Phone: _____

PRESIDENT'S MESSAGE

Happy Spring to all ARCI members! Each year, we usher in springtime by moving to Daylight Saving Time with a hopeful expectation of sunny days ahead. In reality, at least in the Chicago area, early spring weather generally means cold and cloudy with a possibility of snow. Through experience, we move only clock hands ... the snow blowers and shovels stay in place and ready to go!

Our February ARCI meet had a bit of an inauspicious beginning. We learned late in the week of a plumbing problem in the American Legion that would render the kitchen unusable and preclude our usual Boy Scout breakfast activity. Right away, an E-mail blast was sent to members so they could make alternate breakfast plans. Comments from members at the meet reinforced my understanding of the popularity of the Boy Scout breakfasts! We again look forward to the enticing aroma of bacon and eggs at the upcoming April meet. In spite of that little unplanned diversion, and an outside temperature at the freezing mark, there was a good turnout of buyers and sellers with 17 swap tables rented. ARCI swap meets are just a good opportunity to look, buy and catch up with friends after surviving months of grey Illinois winter. Once again our popular donation auction driven by Tom Kleinschmidt brought in a highly respectable \$451 to the club's coffers. Following the donation auction, a business meeting was held to continue our focus on *Radiofest 2018* planning.

While we are still on the topic of the donation auction, I would like to emphasize the important role our donation auctions play in the financial health of our club. Consider that this auction alone brought in the equivalent, in dollar terms, of 18 one-year club memberships. That is a substantial contribution that not only helps to offset the costs of our regional meets, but also gives us greater financial resources to use in providing an even better experience at our other functions like *Radiofest*. So if there is something in your collection of "radio stuff" that has been sitting there forever, just taking up space, something you have lost interest in, or will never get to, consider donating it to one of our donation auctions. You will be helping out your club, your fellow club members will be grateful, and your spouse just might thank you too.

Please read through the *RADIOFEST 2018* PLANNING UPDATE to get the latest news on our upcoming event. The major change this year from last year's event are that this year there are only two active days, August 24th and 25th, with NO ACTIVITY ON SUNDAY, August 26th. You will also find a copy of the 2018 *Radiofest* Registration Form in this copy of ARCI NEWS. Just a quick reminder: Hotel room reservations at the Hilton Garden Inn are now open. Make your reservations early, as rooms go fast and the special ARCI rate is limited. The theme for the *Radiofest 2018* display will be Electronics Kits.

Our next meet is on Sunday, April 29, 2018 at the American Legion Hall in Carol Stream (570 South Gary Avenue, just south of North Avenue Route 64). As always, I look forward to seeing all my fellow ARCI members and enjoying all the interesting goods that are brought for sale. This will be our first official outdoor meet of the year, but if you happen to wake up to a little bit of rain or cold temperatures, don't worry--we can always move the festivities indoors. And don't forget that all members are invited to attend our business meeting immediately following the donation auction. Learn more about your club and contribute some ideas of your own. The meetings are informal and the atmosphere is friendly.

See You At The Next Meet,
Steve Muchow
ARCI PRESIDENT

ARCI UPDATE

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

RADIOFEST SPONSORSHIPS

It is not too late to participate in our ARCI Corporate Sponsorship program and our Member-Sponsor program for *Radiofest*. The *Radiofest* brochures and other *Radiofest* advertising will be printed in May. We encourage all our members to participate. *Radiofest* and other ARCI announcements directly reach almost 20,000 targeted readers with interests in historical and technical subjects. This is a great opportunity to take advantage of inexpensive advertising to a targeted audience while providing substantial assistance to our club. Please contact Steve Muchow at smuchow@att.net or Art Bilski at art@myantiqueradio.com by May 31, 2018 with any ideas or suggestions for new sponsors interested in discussing arrangements with ARCI.

RADIOFEST SPONSOR-MEMBERS

ARCI is again offering "Sponsor-Members" status to members who are dedicated to assuring the financial strength of *Radiofest*. Members who feel they are able to contribute \$25, \$50, \$100 or more to the sponsorship fund may do so. Sponsor-Members will be listed in *ARCI NEWS* (but not the amount of contribution), and recognized as a group at the banquet. I am aware of a number of organizations that regularly produce events similar in size to *Radiofest*. Member-Sponsors help to provide the "emergency backing". You, as a member, are invited to help and participate as you see fit. Funds, by cash-in-person, or check identified as "Member-Sponsor Fund", should go directly to our treasurer Rudy Hecker. If you have any questions or comments, please email Steve Muchow at smuchow@att.net.

RADIOFEST VOLUNTEERS NEEDED

Radiofest's flea market, speaker programs, contests, auction, and displays are all made possible through the tireless efforts of a dedicated group of volunteers who have generously donated their time and talents to this wonderful event. But, we could really use some extra help from you. If you have some time available on Friday evening to help out with the auction, or on Saturday during the day to lend a hand, please consider volunteering to help us out. If you're available and would like to help us out, please contact Steve Muchow at smuchow@att.net.





**I WANT YOU
TO VOLUNTEER WITH ARCI !!**

We Need Your Help To Run Your Club!!

- ARCI News – Authors, Contributors
- Radiofest – Volunteers
- Local Meets – Volunteers
- Radiofest Staff – Auction, Registration
- Radiofest Hospitality Tent – Donors, Staff

Earn your stripes today!

*Please Contact Your Board Members & Club Officers
Steve Muchow, ARCI President
smuchow@att.net*

REGISTER EARLY FOR JUNE HAMFEST COMBINED MEET WITH SIX METER CLUB

The June ARCI swap meet will be a joint event with the Six Meter Club of Chicago on Sunday, June 17, 2018 at the DuPage County Fairgrounds, 2015 Manchester Rd., in Wheaton - just a bit south and west of our ARCI meets at the American Legion in Carol Stream. Last year more than 1,200 radio enthusiasts and hams from 16 states and with visitors from Canada and Mexico participated in the giant flea market and other events, including many ARCI members who were able to park in a special area designated as ARCI Swap Row.

We will have displays from AMSAT, ARRL, NWS/Skywarn and dealer displays. And, the Midwest Classic Radio Net's Hamboree will be back with us again. MCRN is a gathering of hams that operate "boat anchor" equipment on a weekly 3885 kHz AM net.



Everyone **MUST** have a Hamfest ticket to attend. Tickets are still only \$6 in advance, or \$8 at the gate. There is no charge for outdoor flea market space - please see the registration form for information. Jim Novak will have advance tickets at our April 29th ARCI meet. As usual, ARCI will have its donation auction at 10 am along with the 50-50 drawing. In addition, if you deposit your Hamfest ticket stubs in the drum near the stage in Building 2, you have a chance to win many other prizes including \$300, \$200 and \$100 cash.

Indoor flea market sellers and commercial dealers will be in Buildings 2, 3 and 4 with the outdoor flea market to the east of the Exhibition Hall building and extending north along the east side of the fairgrounds. All traffic will enter and exit through gate S-7 located east of the main exhibition hall. For ham operators, station K9ONA will be on the air, serving as a talk-in station on two meter FM, 146.52 simplex and through the 146.37/97 repeater (107.2 Hz tone). Food, coffee and soda will be available from the Romeoville Knights of Columbus.

For anyone wishing to take an FCC Amateur Radio license exam, testing will be held from 9 to 11 am.

The Hamfest opens to the general public at 7 am (buildings at 8 am), but ARCI members who are willing to help direct traffic for parking – we will need help keeping ARCI Swap Row open for members – can enter at 6 a.m. providing you have an advance ticket and can show positive ARCI ID (your current membership card). You can then pick out your favorite flea market parking space and lend a hand for a few minutes when the gates open at 7. We could also use some help Saturday afternoon after 2 pm setting up signs, the PA system, tables, etc.

Anyone who can help out or who needs advance tickets or more information can call Jim Novak at 708-420-9571 or email WA9FIH@aol.com.

HAM RADIO AND ELECTRONIC FLEA MARKET

Also featuring Antique and Vintage Radios - now Bigger and Better than ever!

SIX METER CLUB OF CHICAGO

61st ANNUAL

HAMFEST

and *Antique Radio Club of Illinois* Swap Meet
plus Midwest Classic Radio Net Hamboree!

Sunday, June 17, 2018

DuPage County Fairgrounds, Wheaton, Illinois

2015 Manchester Road (North of Roosevelt Rd., Rte. 38), East of County Farm Rd.

GPS COORDINATES: N41.866667, W-88.132989

GATES AND FLEA MARKET OPEN 7 A.M. BUILDINGS OPEN TO PUBLIC 8 A.M.

- All Weather, Large Outdoor Flea Market AND More than 20,000 square feet of indoor selling space for those who prefer to be inside
- AMSAT, ARRL, Skywarn and Dealer Displays
- Good Food and Refreshments at Reasonable Prices
- Free Parking - no extra charge for outdoor space
- Donation Auction at 11 a.m. - Proceeds to ARCI (Radios, Test Eqpt., Parts Only - NO PCs)
- Overnight RV Parking w/110V hookup - must Register in Advance!
- 1st - \$300, 2nd - \$200, 3rd - \$100 and many other door prizes awarded at Noon
- TICKETS: Advance \$6.00; At Gate \$8.00 - Use form below to order advance tickets.
- TALKIN: K9ONA 146.52, K9ONA/R 146.37/97 (107.2)
- **ALL TRAFFIC ENTER GATE 5-7 EAST OF BUILDING**
INFORMATION: E-Mail WDGJK@arrl.net or call our 24 Hour InfoLine - (708)442-4961



ARRL VEC License Exams 9 a.m. \$15.00 fee
ARRL Card Checking will also be available

VISIT OUR WEB SITES:

SIX METER CLUB OF CHICAGO: www.k9ona.com

ANTIQUA RADIO CLUB OF ILLINOIS: www.antique-radios.org

MIDWEST CLASSIC RADIO NET: www.mcrn3885.net

PLEASE NOTE: ABSOLUTELY NO ALCOHOLIC BEVERAGES PERMITTED

NO SALE OF FOOD OR BEVERAGES IN FLEA MARKET - All Sellers Responsible for Cleanup of Their Spaces!

Return with check payable to "Six Meter Club of Chicago" and Self-Addressed, Stamped Envelope to:
Six Meter Club of Chicago, 3532 Raymond Avenue, Brookfield IL 60513-1204 no later than June 1, 2018.

Please send Tickets/Reservations as follows:

ADVANCE TICKETS (every attendee age 12 and over)

_____ @ \$6.00 ea. = \$ _____

COMMERCIAL DEALER TABLES 8ft. w/110V

_____ @ \$12.00 ea. = \$ _____

NOTE: No extra charge for tables w/110V as available, first come first served!

OVERNIGHT RV PARKING FAIRGROUNDS FEE (includes 110V) # _____ @ \$45.00 ea. = \$ _____

PLEASE PRINT:

Name: _____ E-Mail: _____

Address: _____ Phone: (_____) _____ - _____

City: _____ State: _____ ZIP: _____

RADIOFEST 2018 PLANNING UPDATE

By Steve Muchow, ARCI President

**** NEW DATES -- Radiofest 2018 -- NEW DATES ****

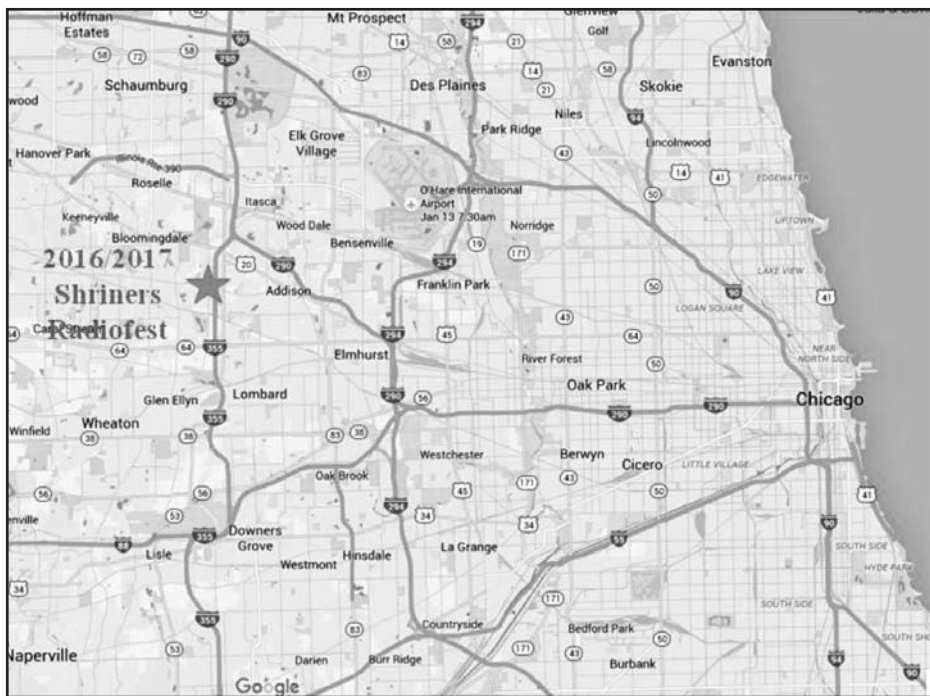
Friday August 24 - Saturday August 25
Medinah Shriners
550 N. Shriners Drive
Addison, IL 60101

Radiofest 2018 will take place at the end of August due to conflicts at the Medinah Shriners. We hope to return to an early August schedule in 2019.

Reserve the dates of Aug. 24-25. Building on the tremendous success of *Radiofest 2017*, we are enthusiastically putting together a two-day schedule of events that will be very similar to last year, except for a few minor changes due, in part, to the elimination of Sunday morning. Be sure to reserve the dates shown above on your calendar for *Radiofest 2018!*

LOCATION: We will return to the **Medinah Shriners in Addison, Illinois**. This new, modern, upscale facility is across from a **Hilton Garden Inn**. The Medinah Shriners is located at the junction of I-355 and Army Trail Road in Addison. This is a very convenient location that can be easily accessed from all directions within the entire Chicago area. See the map below for location details.





HOTEL: Our official hotel for *Radiofest 2018* is the Hilton Garden Inn, located directly adjacent to the Medinah Shriners complex, and a very short walk from the banquet facilities and parking lots. Medinah Shriners and Hilton Garden Inn are completely independent entities, but they coordinate closely on events. Our contact at Shriners again helped us negotiate a really great price with the hotel at a rate of \$95 per night—same as 2017. This is a really nice hotel at a great price. You will not be disappointed!

Reservations for the hotel are now open! We have secured a block of rooms at the Hilton Garden Inn and reservations for the hotel are now open! You can go to the online reservation system, which has been set up exclusively for *Radiofest* reservations, at this web site:

http://hiltongardeninn.hilton.com/en/gi/groups/personalized/C/CHIAHGI-RAD18-20180823/index.jhtml?WT.mc_id=POG

Or, you can call the hotel at: 630-691-0500. Mention *Radiofest* to the friendly reservation agent to get the special discount rate.

<p>RADIOFEST Medinah Shriners 550 Shriners Drive Addison, IL 60101 (630)-458-0200</p>	<p>HOTEL Hilton Garden Inn Addison 551 N Swift Road Addison, IL 60101 hiltongardeninn3.hilton.com (630) 691-0500</p>
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SCHEDULE: Just like 2017, we will start the action with our Friday night auction, followed on Saturday morning by the swap meet through mid-afternoon. The swap meet will again be located in its own large parking lot at the west end of the facility. There will be plenty of seller spaces available with lots of room between rows for maneuvering a small truck or a vehicle with a trailer. The sellers' lot is also totally out of the main traffic flow, which is good for those walking around the swap meet. The pavement will be marked with parking spaces and continues to be in excellent physical condition. Directly adjacent to the sellers' lot is the main parking lot, with over 170 spaces available for buyers and visitors. It is an easy walk from one lot to the other, with plenty of spaces available. This parking layout is well-suited for *Radiofest!*

AUCTION: The opening night auction will be in the Medinah Crescent Ballroom, with overflow space in the adjacent Medinah Music Room. The large quantity and excellent quality of items available in the auction make this a "must attend" event. You never know what you will find here, including rare and highly collectible items. Jim Sargent from VRPS is returning to co-manage the auction.

PROGRAMS: Our speakers' programs, contest, and display will occur throughout the day on Saturday, followed by the Carl & Carolyn Knipfel banquet on Saturday night. *Radiofest 2018* speakers' programs will feature three sessions, with a break during the noon hour. Programs will include topics on broadcasting program material through your antique radio, mechanical television, and the Bill Ross Ham Forum with a focus on Heathkits and the Heath Company.

DISPLAY: This year, *Radiofest 2018* will commemorate Electronic Kits. Chances are if you have been around antique radios for a while, you have either built or used a piece of equipment that started out as a kit. Remember names like Heathkit, Allied Radio/Knight Kit and EICO? These are the big names, but there were and continue to be other companies offering kits for radios and electronics equipment. Do you have nice examples of built or unbuilt kits you might be interested in sharing in the display? Along with the kit, any related documentation such as the instruction manual, advertising literature and even the original box would enhance the display. Watch future issues of ARCI NEWS and the ARCI website for additional information.

CONTEST: This year's contest categories will include the electronic kits brought in for display and other categories to be announced in the future.

APPRAISALS: We will also have our popular appraisal tent and the outdoor ham station with special ARCI club call letters WA9RCI.

DONATIONS: The usual donation auction will be held late in the afternoon on Saturday. Keep in mind that you may purchase donated items throughout the day without having to wait for the actual donation auction. Either way, your purchase will likely be a bargain! We are always looking for suggestions on ways to improve it. If you have a good idea, please contact Steve Muchow at smuchow@att.net.

BANQUET: Banquet tickets are priced at \$40 per person. The Banquet Buffet menu will be: Tossed salad with three dressings, Roast sirloin of beef with Bordelaise sauce, Penne pasta in Marinara sauce, Baked herbed chicken breast, Twice baked potato, Broccoli, Cauliflower, Assorted fresh fruit tray, Vanilla ice cream with chocolate topping. Beverage choice will be coffee, hot or iced tea. The entertainment selection for the Saturday Night banquet is underway and will be announced in future editions of ARCI NEWS and on the ARCI website, when available.

5 CLUBS: Once again, we will 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 be co-sponsored by four important clubs, making it truly THE national event of the summer!

UPDATES: Watch for additional *Radiofest 2018* information in future editions of the ARCI NEWS, *Radiofest* mailings and our ARCI web site www.antique-radios.org. With our wonderful location and our dedicated team of ARCI volunteers, you can understand why we are enthusiastic as we plan for our largest event. So, mark your calendars and start making plans to attend! Please feel free to contact me at smuchow@att.net should you have any questions, comments, or suggestions.



RADIOFEST

August 24 and August 25th, 2018



Event: Medinah Shriners ~ 550 N. Shriners Dr. Addison, IL 60101

Hotel: Hilton Garden Inn ~ 551 North Swift Rd., Addison, IL 60101
Hotel Reservations: (630) 691-0500

*All hotel reservations must be made directly with the Hilton Garden Inn
Discounted Hotel rates for ARCI members begin at \$95.00*

RADIOFEST Will Feature a Large Radio Swap Meet, Radio Contest, Informational Presentations, Appraisal Tent & Auctions. Our Banquet also returns with great food, entertainment, and awards. Events and Schedule subject to change. Watch our website for updates at: www.antique-radio.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

6 ft. # _____ times \$15.00 = \$ _____

Free parking for attendees in the lot directly adjacent to the swap meet lot. If you are reserving a paid space in the swap meet lot, for **parking purposes only**, please check here _____

Banquet (Buffet Style) and Show

Buffet Selection:

Beef, Chicken, or Pasta served with Garden Salad, 2 Sides, Fresh Fruit, Coffee, Regular or Iced Tea

_____ Attending times \$40.00 = \$ _____

TOTAL OF ALL \$ _____

Names for banquet name tags _____

NAME: _____

ADDRESS: _____

CITY STATE ZIP _____

PHONE # DAY: _____ EVENING: _____

E-MAIL: _____ APPLICATION DATE: _____

EMERGENCY CONTACT NAME: _____ PHONE: _____

Please list any special requests or comments below

In order to receive confirmation of your registration and selling space assignment from ARCI by mail, we must receive your registration form on or before July 1, 2018. All sellers must check-in at the Registration Area upon arrival at Radiofest, to receive their parking permits. All selling and parking spaces in the swap meet lot 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 2018 FEES

Selling Spaces – 1st \$45.00 Pre-registration, \$50.00 Onsite; Additional Spaces
\$25.00 Pre-registration, \$35.00 Onsite

Banquet – \$40.00 each
Entertainment: TBD

6' TABLE RENTALS – \$15.00 each
Only through pre-registration

RADIOFEST 2018 PRELIMINARY SCHEDULE

FRIDAY (8/24)

Pre-Registration Available After 3pm
Main Auction at 6:30pm (Crescent Ballroom)

SATURDAY (8/25)

7am Registration / *Radiofest* Opens
Flea Market All Day (West Lot)
Special Event Ham Radio Station - All Day
Educational Programs (Room B)
Old Equipment Contest (Music Room)
Donation Sale - 7am till 3pm
Donation Auction at 3:30pm
Banquet & Entertainment (Crescent Ballroom)

RADIOFEST 2018 PRELIMINARY PROGRAMS (As of March)

11am

Bill Ross Memorial Ham Radio Forum

Topic: History of Heathkit

Harry Blesy, Bob Drake, Ron Grams

Guest speakers: Erich Brueschke & Michael Mack

1pm

***Mechanical Scanning System Developed by the
Chicago Television & Research Laboratory***

Ralph Taylor

2pm

Vintage Radio Programming on your Antique Radio

Pete Nauseda

RADIOFEST 2018
SPECIAL EQUIPMENT DISPLAY

ELECTRONIC KITS

*Commemorate the history and evolution of radio and electronics kits.
If you have any items you wish to display,
please fill out the form in this issue or contact the organizers*

RADIOFEST 2018 CONTEST CATEGORIES

With Awards For:

Dr. and Mrs. Ralph Muchow "Best Of Show" Award

People's Choice Award

Chairman's Trophy; Best Historical Display

1st, 2nd, 3rd Per Category

Radios and Apparatus Pre-1930

Radios/TVs Pre-WWII (1930 to 1945)

Advertising / Premiums

Speakers

Additional Category TBD

Open

SPECIAL RADIOFEST DISPLAY

ELECTRONICS KITS

This year we are celebrating radio and electronics kits. We invite you to participate in our special display theme for *Radiofest 2018*. 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 any and all radio and electronics kit and kit-related items. We are looking for your contributions such as but not limited to:

- Early (1940s to 1960s) tube or transistor radios
- Kits (built and unbuilt) from well-known and lesser-known suppliers
- Test equipment
- Hi-Fi and Stereo
- Unusual product categories
- Related items such as original boxes that housed the kit
- Any original documents such as building instructions 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 submit the *RADIOFEST 2018 SPECIAL DISPLAY REGISTRATION FORM* which will be available at the April meet and is also downloadable from our ARCI website. Submit it to Jeff Aulik or Barry Janov no later than June 15 for consideration by the committee. Our intent is to notify each applicant no later than July 4 regarding which items will be accepted for display.

NOTE: The Special Display is a special feature of *Radiofest* that operates in addition to the contest room. We invite our members to participate in both venues. Please email Jeff Aulik at akent36@comcast.net or Barry Janov at marconifon@gmail.com if you would like to participate



RADIOFEST 2018



SPECIAL DISPLAY AUGUST 25, 2018

REGISTRATION FORM APPLICATION DEADLINE JUNE 15, 2018

****ELECTRONICS KITS****

AFTER REVIEWING THE CATEGORIES LISTED IN THE DISPLAY ANNOUNCEMENT, PLEASE LIST EACH ITEM THAT YOU WISH TO DISPLAY WITH BRIEF DESCRIPTIONS. WE INTEND TO HAVE THE DISPLAY ROOM OPEN FOR VISITORS BY SATURDAY AFTERNOON AT APPROXIMATELY 3PM WITH TAKEDOWN AFTER 10PM. SECURITY WILL BE PRESENT AND THE ROOM WILL BE LOCKED DURING HOURS WHEN IT IS CLOSED TO PUBLIC VIEWING. WE ALSO NEED VOLUNTEERS WHO CAN ACT AS "DOCENTS" TO SPEND 30-60 MINUTES IN THE DISPLAY AREA ANSWERING QUESTIONS ABOUT THE DISPLAY.

ITEM(S) YOU WOULD LIKE TO DISPLAY:

NAME _____ CALL SIGN _____

ADDRESS _____

PHONE (____) _____ - _____ EMAIL _____

SERVE AS DOCENT? (CIRCLE ONE) YES NO HOURS _____

**FOR INFORMATION PLEASE CONTACT BARRY JANOV AT: marconifon@gmail.com OR
JEFF AULIK, 1708 PARKVIEW AVE, ROCKFORD, IL, 61107 AT: akent36@comcast.net**

TREASURES FROM THE DONATION AUCTION

An Occasional Column About ARCI Finds At The Auction

By Tom Kleinschmidt

THE ACILLISCOPE

This auction leftover is an ACilliscope made by the AC Spark Plug division of General Motors to analyze spark plugs while operating in the car. Frankly, when I first saw the thing lying on the ground it looked like a hand vacuum cleaner designed by someone on hallucinogens.



ACilliscope made by the AC Spark Plug division of General Motors.

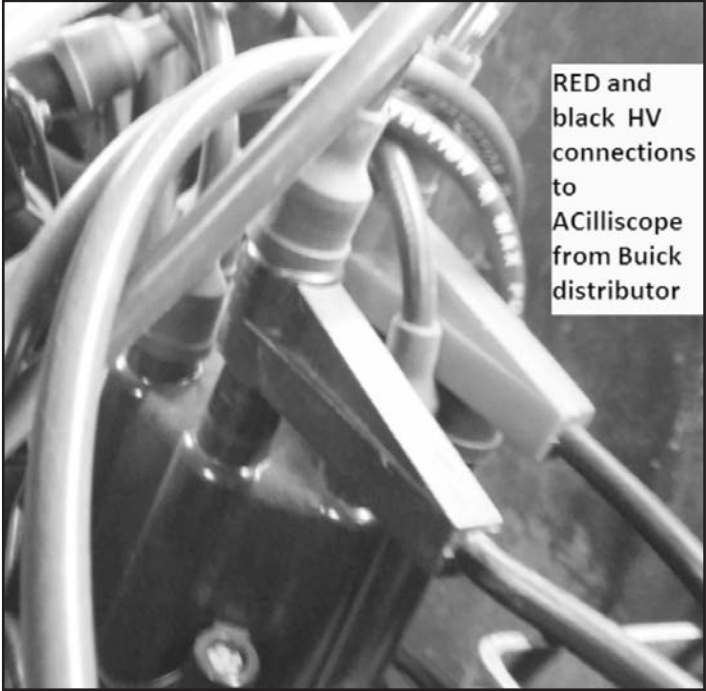
There is a small amount of information on the old inter-web; it seems the device shown was designing in 1959. This one's CRT has a fourth week of 1960 date code. The rectangular GM tag says it is for educational purposes and dated 1967.

Aside from replacing the rotted DC power cord and a general cleanup no additional repairs were required. Here is the actual ACilloscopes trace of a spark plug in a '64 Buick taken on 30 January 2016:



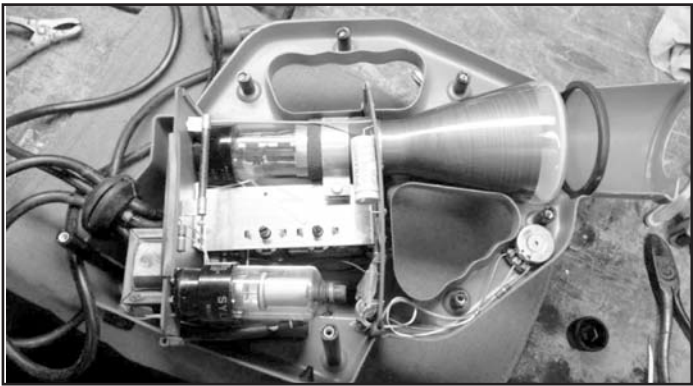
Signal Tracing: The camera could not focus close up so the white flaring and fuzzy image is the result.

There are four connections between the car and the ACilliscopes: Low voltage connections to the + & - of the car's battery with battery charger type clips, a connection to the ignition coil high tension lead and a connection to a spark plug lead with purpose built in-line taps.



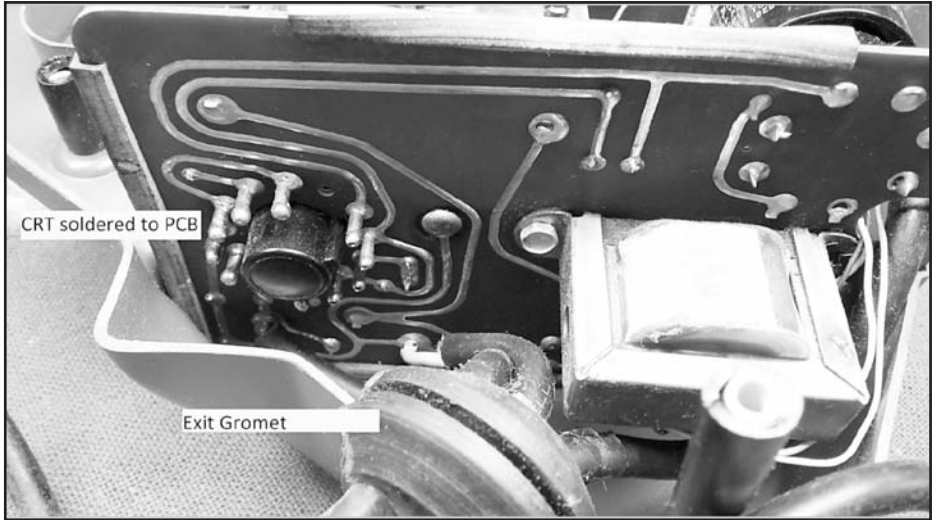
Car connections.

This device is truly a triumph in reliable minimalist design. Perhaps the designers were inspired by the Model T Ford. The PCB's are attached to the CRT and the entire electronic assembly is clamped together by the plastic case.



Interior view of the ACilliscopes.

The vibrator and CRT are soldered directly to the PCB! Considering this is intermittent use device this approach has remained working for over 50 years. The other two tubes are in sockets. The 1K3 high voltage rectifier is held in its socket by its plate cable being just long enough with the cable's other end molded into the case exit grommet. By sliding out the case grommet there is enough slack to pull the 1K3.



PCB and vibrator assembly.

Horizontal sweep is accomplished through three neon bulbs soldered in series. Flying resistor connections were deemed legal too – in multiple locations.



Tube assembly.

Another interesting aspect; the CRT filament and vibrator are both six volt, yet they tie directly to the 12 volt battery cables. This technical wonder was marketed to the driving public by roadside signage.



Dealer sign.

It is worth poking around the donation auction. You never can tell what will show up!!

All photos taken by the author unless noted. Acilloscope metal sign picture credit: http://cdn.barrett-jackson.com/staging/carlist/items/Fullsize/Automobilia/163059/163059_Auto_Front_3-4_Web.JPG

RADIO ZONE
An Occasional Column about Topics of Radio Interest
By Harry Blesy, N9CQX

A FEW WORDS FROM HEATH COUNTRY

After reading the article in the December 2017 issue of the ARCI Newsletter about the former Heath Company, I thought that it may be of interest to let you know what I have been up to. I moved to Southwest Michigan five years ago. My home is a little over three miles from the old Heath Company property. I joined the local ham radio club when I moved here. It is the Blossomland Amateur Radio Association. Within the club membership there are quite a few former Heath employees. After settling in to our new house, I was surprised to learn that my next door neighbor happens to be Rick Greene, the son of Heath's past president, Al Greene.

On Fridays, a number of past Heath employees get together for lunch at a restaurant that is located only a few blocks from the old Heath building on Hilltop Road. A long-time ham buddy, Bob Mann, asked me if I was interested in joining the lunch group. Now I often join the former Heath guys when I am free on Fridays. I enjoy hearing their tales of those times that they spent at Heath. They talk about company operations and of course the Heathkits. I get to hear who designed or worked on what product and what was involved in their designs. Heathkits were known for their quality and the related manuals were praised for their accuracy and fine detail. Some of the employees were also involved in designing the service manuals that went to the various service departments and repair centers. Additional productions included the catalogs, engineering manuals, and the Heathkit publication Kit Builder's Journal.



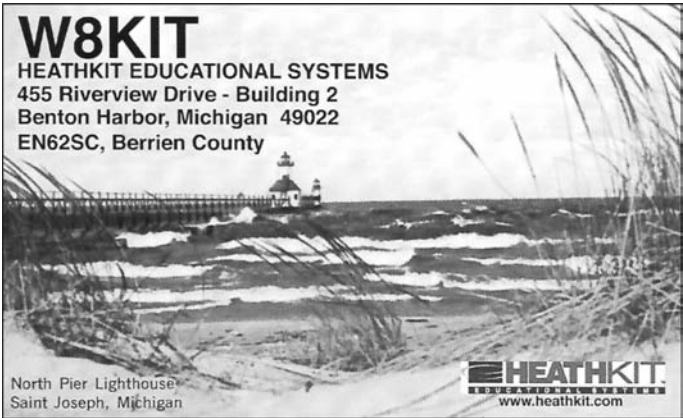
Vintage Heath Company aerial view.

I wondered for years how the company, located in St. Joseph, MI, could have a street address in St. Joseph and yet have a published address of Benton Harbor. I was told by Randy Kaeding and Larry Knaap that Heath was originally in Benton Harbor, and when they expanded to the Hilltop address, they were so well associated with Benton Harbor, and the St. Joseph post office became somewhat overwhelmed with the volume of mail, that the routine just continued where the mail went to the Benton Harbor facilities and was then sent over to Hilltop Road.



Current Heath Company view-with facades added by current property owner.

Randy, who has authored many Heath articles, is currently the trustee of the club call: W8KIT. He told some funny stories, such as when the Heathkit manuals once used the term “spaghetti” to mean wire “sleeving.” He says that he heard that some kit builders would take the word literally and try use real spaghetti. He related another hilarious event where someone once sent a shortwave receiver that he built back to the company for service. The agitated kit builder reported that he could not get the bottom cover of the cabinet to fit on his finished product. Apparently the customer soldered the tube sockets to the underside of the circuit board instead of the top.



QSL card of W8KIT.

I am not a member of Facebook, but Randy says if you are on Facebook to check the Heathkit Products page. On those pages you can view some of Randy’s rare Heathkits that never made it into production.



Allow me to introduce you to a few of the former Heath gang.



Heath luncheon.

Pictured, left to right at recent luncheon are:

- ED MOSHER, WA8ZVO: 1971-1993, service tech; service supervisor, service manual writer; engineering manual writer; editor of the Kit Builder's Journal.
- DAVID POPLEWSKI, KC8IV: 1968-1992, product line manager; ham radio tech consultant; instruments; customer service and quality control.
- HARRY BLESY, N9CQX: ARCI past president, BARA member.
- EARL HARRIS, W8OT: Various times 1955-1984, senior audio design engineer; chief engineer-ham radio division; chief engineer-tech products.
- NEIL BENEDITZ: 1970-1994, engineer assigned to scientific instruments and audio tech products.
- ROBERT MANN, W8LHP: 1970-1985, ham radio service; ham radio engineering; lab tech; production engineer and wrote service manuals.
- LARRY KNAPP, KC8JX: 1967-1984, credit and collections; computer programmer and supervisor.
- TOM TURNER, K8VBL: BARA member, vintage radio historian.

Not present in group photo but often joins the group luncheons:

- RANDY KAEDING, K8TMK and current trustee of club call (W8KIT): 1970-2007, audio service tech and tech writer; Randy's wife, ANNIE, W8ALK, also worked at Heath 1970-1991 in shipping, accounting, retail, engineering and also the service department.



Randy Kaeding, K8TMK.

- CHUCK ADAMS: 1960-1993, controller of retail stores operations.
- PHIL SCHMITT, WJ8L: 1960s and 1970s scientific division, calibrations.

NEWS FROM THE HAMSHACK

By: Jim Novak, WA9FIH

TWO METER FM IN THE 1970s: CLEGG'S FM-27B TRANSCEIVER

The Amateur Radio two meter band occupies 4 MHz, 144-148 MHz, with channelized FM operation mostly between 145-148 MHz, with the 144-145MHz area devoted to “weak signal” modes such as single sideband (SSB) and Morse code (CW) and other digital modes. The first FM radios used by us ham operators were converted business band units that became obsolete, mainly through the FCC’s mandate of narrowing commercial channel spacing to accommodate more users – initially from 120 to 60 kHz spacing, and later down to 30 kHz spacing (even narrower now). Some manufacturers such as Motorola made available “narrowbanding” kits so that existing equipment could be modified, but many users chose to modernize their systems with new radios – creating the availability of large numbers of high quality two way FM radios that could still see many years of use by us hams.

Initially, two meter FM operation was centered on a common simplex channel, 146.940 MHz. Why that particular frequency? Well, at one time, Technician Class licensees were limited to the middle two MHz of the two meter band, 145-147 MHz, while General Class and higher had the entire 144-148 band allocation. Placing the FM operation high in the band kept those signals “out of the way” of the once prevalent AM operation that was down around 145.100 +/- . Repeater stations, designed to increase the range of mobile radios, began to appear on the band – requiring two channels, input and output – for example, talk in on 146.280, and listen to output on 146.880.

Back in the 1960s, most of us were content with two channel radios, such as Motorola trunk mount units full of vacuum tubes which provided great traction in the winter time (!), with a small control head, speaker and microphone, connected to the trunk mounted radio with a thick multi-conductor cable, plus a power cable to the car's electrical system. Add a small vertical whip antenna and you were ready to get on the air! A few business band radios even had four channel capability. Most of us had the

common simplex frequency plus the local club's repeater channel installed. Since the two meter ham band is right below the commercial FM allocation (150-174 MHz) many radios would tune right down into the ham band or just require a bit of “padding” (adding capacitance across some tuned circuits) plus the installation of new frequency determining crystals for transmit and receive.

As two meter FM operation became more and more popular, additional repeaters went on the air, and several additional simplex channels became popular as well. Hams followed the lead of the business band in setting up new channels 30 kHz apart (presently we are down to 15 kHz spacing!). With more channels in a given area, came the need for radios that could accommodate more frequencies as well. Several manufacturers offered small under dash solid state sets such as the Regency HR-2A series, crystal controlled with space for twelve channels! These became especially popular in large metropolitan areas as well as for hams who traveled extensively. Setting up additional channels in our radios required us to order and install more crystals, and “zero in” the frequency by adjusting trimmer capacitors or inductors with the aid of a frequency counter.



Clegg FM-27B.

One visionary manufacturer of ham equipment, Ed Clegg, W2LOY, envisioned using a system of synthesized frequency generation using the “crystalplexing” method of mixing several crystal frequencies to generate all of the then 23 Citizens' Band channels with just a small number of crystals. Ed’s product, the Clegg FM-27B, was advertised in the January, 1973 QST as having full coverage of the 146-148 MHz sub band in 30 kHz channels, with 25 Watts of power output, all in a box 7-3/8” x 3-1/2” x 9-1/4” and selling for \$479.95 – using an Inflation Index calculator that works out to \$2,805 in 2018 dollars!

The FM-27B’s frequency controls consisted of a toggle switch to change between the 146 and 147 MHz segments, a ten position rotary switch to set 100 kHz spacing, plus a potentiometer that would “fine tune” the desired channel, calibrated in 10 kHz increments through a 300 degree rotation. The front panel sported a zero-center Discriminator Meter which enabled the user to zero in on a particular station's center frequency. Back then, few repeaters used continuous sub tone (CTCSS) access (commonly referred to a “PL” – Motorola's “Private Line” system), so anyone requiring same would have to obtain an accessory “deck” and wire it in.

Bottom line: How did the radio work? For the time, it was a major breakthrough. Remember, we did not have the sophisticated type of synthesizer systems available to us with modern integrated circuit technologies. The “crystaplexer” system did generate some spurious out-of-band signals which could generally be controlled through use of a good external bandpass cavity filter, but did not create major problems, especially if the set were used mobile with a modest antenna.

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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CLUBBING AROUND

EARLY TELEVISION FOUNDATION CONVENTION

The ETF will host its annual convention May 4-6 at the Early Television Museum in Hilliard, Ohio. Additional information can be found at http://www.earlytelevision.org/2018_convention.html.

ANTIQUE WIRELESS ASSOCIATION

The Antique Wireless Association will have its next meeting in May 2018 at the AWA Museum in Bloomfield, New York. The AWA, our national affiliate, publishes the AWA Journal, the AWA Review and The AWA Gateway. The latest edition of The AWA Gateway is available for free at <http://www.antiquewireless.org/awa-gateway.html>. Dues are \$35 per year. Information can be found at <http://www.antiquewireless.org/>.

WISCONSIN ANTIQUE RADIO CLUB, INC.

The next WARCI meetings will take place Apr. 8 (Milwaukee), Apr. 22 (Madison Chapter) and May 5 (Cedarburg). For information about the club and its schedule, please see www.warci.org.

NORTHLAND ANTIQUE RADIO CLUB

The Minnesota Club has its Radio Daze annual vintage radio collecting event scheduled for May 18-19. For more information and the date which will be announced, please see <http://www.northlandantiqueradioclub.com/index.shtml>.

MICHIGAN ANTIQUE RADIO CLUB

MARC's Vintage Electronics Expo is scheduled for July 12-14, 2018 at the Kalamazoo Expo Center. Details will be announced. Please see the MARC website for more information at <http://michiganantiqueradio.org/>.

INDIANA HISTORICAL RADIO SOCIETY

IHRS' Spring Meet is scheduled for May 4-5, 2018 in Kokomo at the Shrine Club, 3892 East US35. Details

PAID ADVERTISING

Northland Antique Radio Club Annual Auction and Swap Meet

RADIO DAZE 2018

Radio Daze 2018, the Upper Midwest's ultimate vintage radio collecting event, will be held Friday and Saturday, May 18-19, 2018, at the Comfort Inn of Plymouth, located at the northwest corner of I-494 and Hwy. 55 in Plymouth, Minnesota. This will be our 20th year at this great location! The Comfort Inn's reservation phone number is (763) 559-1222.

This is NARC's premier event, and we are proud to have both the Pavek Museum and the Antique Wireless Association (AWA) as supporting sponsors. The auction, swap meet, radio contest, program, and awards presentation are well attended by prominent vintage radio collectors from across the country. The radio contest includes equipment displayed from the earliest days of radio to the 1960's. Fliers will be mailed in early April to all known radio collectors in the five state area.

The meet kicks off with a large antique radio auction in the hotel main ballroom at 7 p.m. Friday. We make this an entertaining auction and there will be a good variety of radios available. If you want to sell your radio(s) at the auction, check them in between 3:00 and 6:00 pm Friday. Auction preview is 5 to 7 pm, and the auction starts at 7 pm. Member Frank Rasada will be our auctioneer, with auction coordinator Don Hauff handling registration and check in. Go to www.northlandantiqueradioclub.com for auction details.

A visit to the Pavek Museum is always a highlight of 'Radio Daze' and they schedule their annual garage sale of surplus radio relics for this weekend. The Pavek Museum is located at 3517 Raleigh Avenue in St. Louis Park, Minnesota and will be open at 10:00 am sharp on Friday and again at 10:00 am on Saturday. Make sure you are displaying your Radio Daze name tag for free admission.

The Saturday program featured speaker will be WCCO radio personality John Hines. John will talk about his 40-plus years in broadcasting at various stations, including KSTP, WLOL FM, K102, and of course WCCO



ARCI NEWS

Antique Radio Club of Illinois

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