



ARCI NEWS

www.antique-radios.org

Affiliated AWA
Antique Wireless Association 

Volume 38, Issue 2
April, 2019



RADIOFEST 2019 THEME
“Art Deco and Machine Age Electronics”
*(Deco Radio Poster by Achille Lucien Mauzan 1883–1952, Crosley Radio,
Lithograph 1929, Printer: H.J. Chilibroste, Buenos Aires)*

UPCOMING INDOOR/OUTDOOR MEET APRIL 28, 2019

AMERICAN LEGION HALL

570 South Gary Avenue, Carol Stream, IL

April 28, 2019

7AM – 11AM

Outdoor If Warm / Indoor If Cold or Raining

Donation Auction

Business Meeting 9:30 am

Boy Scout Pancake Breakfast OR Free Coffee & Donuts!

50/50 Cash Drawing Raffle



2019 ARCI MEET SCHEDULE

April 28, 2019	7AM-11AM Outdoor Swap Meet Inside Business Meeting 9:30AM	American Legion Hall Carol Stream, IL (See Map)
June 16, 2019	Outdoor - Gates Open 7AM Combined Meet With 6-Meter Club of Chicago	DuPage County Fairgrounds Wheaton, IL (See Advance Ticket Form & Map)
August 2-3, 2019	RADIOFEST	Medinah Shriners / Addison, IL
October 6, 2019	7AM-11AM Outdoor Swap Meet Business Mtg./Officer Election 10AM	American Legion Hall Carol Stream, IL (See Map)
December 8, 2019	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

As might be expected in Chicagoland, the weather was a major focus at our February ARCI meet. The temperature was manageable at around the freezing mark, but the wind gusts were up to 50 mph! This posed a challenge when driving and lowered the wind-chill temperatures to ridiculously low levels. As a result, the morning swap activity started out a bit slow, but picked up with increasing daylight. Ultimately, there was a larger than expected turnout of buyers and sellers with 26 sellers tables rented. We held a sellers raffle that day with two winners ... Art Bilski and Paul Mundt. We also brought back the popular People's Choice Contest with the winner receiving a free 2019 ARCI membership renewal. Rudy Hecker was the winner with his entry of an RCA Nipper Cigar Desk Set. Congratulations to all! The American Legion is working with the Boy Scouts to determine the feasibility of bringing back the popular "Boy Scouts Breakfast." We will let you know as soon as they have an answer. Until then, feel free to enjoy complimentary coffee and donuts at the upcoming April meet. Keep in mind that 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 respectable \$234 to add to the club's coffers. Following the donation auction, ARCI held a business meeting to continue our *Radiofest 2019* 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 several 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 your club, your fellow club members will be grateful, and your spouse just might thank you too.

Please read through the *RADIOFEST 2019 PLANNING UPDATE* to get the latest news on our upcoming event. The format this year is virtually identical to last year, with two active days, August 2nd and 3rd. You will also find a copy of the *2019 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 2019* display will be Art Deco and Machine Age Electronics.

Our next meet is on Sunday, April 28, 2019 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 Presiden'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 Tom Kleinschmidt at clubinfo@antique-radios.org by May 31, 2019 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.

BIG SHOES TO FILL

As reported in the February issue of *ARCI NEWS*, long-time member and ARCI Public Relations Director, Art Bilski decided to leave our beautiful Midwestern weather behind and move to Florida. Art ably performed the many aspects of this position, and two people have stepped up to share these duties going forward. Tom Kleinschmidt will assume the "club support and information" duties, mainly via ARCI clubinfo@antique-radios.org. He will also send e-mail "blasts" to members regarding radio-related news. Gary Bernstein will assume the "marketing and promotion" function, primarily advertising ARCI events, especially on social media (such as Facebook), forums and other outlets. Gary is a ham (N9VU) and both Tom and Gary are well known to those attending ARCI swap meets. Thanks to Art, Tom and Gary for performing these important ARCI functions.

DO YOU KNOW WHEN YOU WILL EXPIRE?

Or, more specifically, your ARCI Membership? Look on the back cover of this issue of *ARCI NEWS*. The address label shows your expiration month. It takes time to process renewal requests, so please renew at least one month BEFORE the month indicated on the label. This also helps ensure that you will continue receiving your ARCI NEWS without interruption.

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 16, 2019 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 \$10 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 28th ARCI meet. As usual, ARCI will have its donation auction at 11 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

62nd ANNUAL

HAMFEST

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

Sunday, June 16, 2019

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 \$10.00 – 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 KD9G.W@arrl.net



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.k9ema.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, 2019.*

Please send Tickets/Reservations as follows:

ADVANCE TICKETS (every attendee age 12 and over)	# _____	@ \$6.00 ea. = \$ _____
COMMERCIAL DEALER TABLES 8ft. (w/110V as available, first come first served) –		
First Table \$15.00	# _____	@ \$15.00 ea. = \$ _____
Additional tables, \$12.00 each	# _____	@ \$12.00 ea. = \$ _____
OVERNIGHT RV PARKING FAIRGROUNDS FEE (includes 110V)	# _____	@ \$45.00 ea. = \$ _____

PLEASE PRINT:

Name: _____ E-Mail: _____

Address: _____ Phone: (_____) _____ - _____

City: _____ State: _____ ZIP: _____

RADIOFEST 2019 PLANNING UPDATE

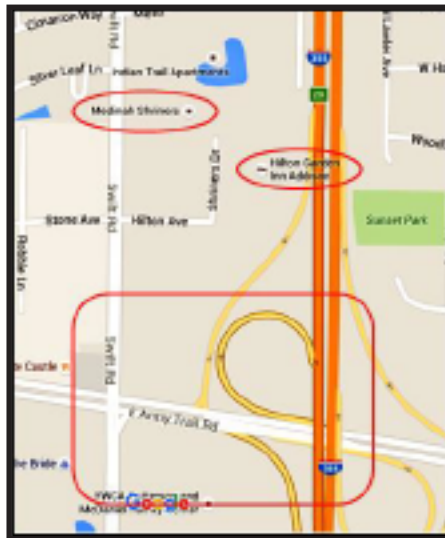
By Steve Muchow, ARCI President

Radiofest 2019 Friday August 2 -- Saturday August 3 Medinah Shriners

NOTE -- Radiofest 2019 returns to our historical first week in August timeframe.

Reserve the dates of Aug. 2-3. Building on the tremendous success of *Radiofest 2018*, we are enthusiastically putting together a two-day schedule of events that will be very similar to last year. Be sure to reserve the dates shown above on your calendar for *Radiofest 2019!*

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 2019 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 \$99 per night. 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:

https://hiltongardeninn.hilton.com/en/gi/groups/personalized/C/CHIAHGI-RADIO-20190801/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.

<i>RADIOFEST</i> Medinah Shriners 550 Shriners Drive Addison, IL 60101 (630)-458-0200	HOTEL Hilton Garden Inn Addison 551 N Swift Road Addison, IL 60101 hiltongardeninn3.hilton.com (630) 691-0500
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SCHEDULE: Just like 2018, 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. Auction start time this year is 6pm. Watch future issues of *ARCI NEWS* and the ARCI website for updated auction information.

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 2019* speakers’ programs will feature three sessions, with a break during the noon hour. Programs will include topics on E. H. Scott in the Art Deco Era, Building and Auditioning a Chinese Single-Ended Stereo EL34 Amplifier and the Bill Ross Ham Forum with a special presentation on how the Chicago-based Shure Brothers Company moved from a war-based economy to an extremely successful, peace-time business in the years 1946 to 1955.

DISPLAY: This year, *Radiofest 2019* will commemorate Art Deco and Machine Age Electronics. Chances are if you have been around antique radios for a while, you have one or more of these in your collection. Remember names like Midwest, Emerson, and Majestic? These are some of the big names, but there were other companies offering highly styled radios in the 30's and 40's. Do you have nice examples of these sets you might be interested in sharing in the display? Along with the radio, 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 art deco and machine age items brought in for display and possibly other categories which would 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: This year's banquet promises to be one of the best ever! The Banquet Buffet menu has been enhanced to include Hand Carved Round of Beef, Hand Carved Honey Glazed Ham, Boneless Chicken Breast-Herbed Lemon (Marinated in lemon & herbs topped with Cognac cream sauce, Parmesan Garlic Mashed Potatoes, Penne with Marinara Sause, Green Beans Almandine, Tossed Salad, Fruit Salad, Italian Pasta Salad, Rolls with Butter, Vanilla Ice Cream with Chocolate Topping. Beverage choices will be coffee, tea, Iced Tea and soft drinks. And ... by popular demand, the entertainment selection for the Saturday Night banquet is "LEGACY 3", a popular female vocal trio that uses three-part harmony to bring to life the music of the 40's, 50's and 60's (remember the Andrews Sisters?) All of this for the same ticket price as last year ... \$40 per person! This is the closing event at *Radiofest 2019* and you will want to join in the fun!

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 2019* 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



SIGN UP NOW!

August 2 and August 3rd, 2019

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 (before July 19th) begin at \$99.00

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-radios.org

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

ARCI Membership (\$25.00)

(If not currently a member) \$ _____

First Selling Space \$ _____

\$45.00 Pre-Registration

\$50.00 On Site Registration

Additional Spaces

\$25.00 Each Pre-Registration

\$35.00 Each On Site Registration

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

Table Rentals-Pre-registration only

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

- Hand Carved Beef and Glazed Ham
- Boneless Chicken Breast-Herbed Lemon
- Parmesan Garlic Mashed Potatoes
- Penne with Marinara Sauce, Rolls & Butter
- Green Beans Amondine, Coffee, Tea, Iced Tea
- Tossed Garden Salad, Fresh Fruit or Pasta Salads
- Vanilla Ice Cream with Chocolate Topping

_____ 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, 2019. 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 Huester; 1839 Trout 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 2019 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: LEGACY 3

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

RADIOFEST 2019 PRELIMINARY SCHEDULE

FRIDAY (8/2)

Pre-Registration Available After 3:00pm
Main Auction at 6:00pm (note new time)
(Crescent Ballroom)

SATURDAY (8/3)

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)
Special Art Deco Display (Music Room)
Donation Sale - 7am till 3pm
Donation Auction at 3:30pm
Banquet & Entertainment (Crescent Ballroom)

RADIOFEST 2019 PRELIMINARY PROGRAMS (As of March)

11am

Bill Ross Memorial Ham Radio Forum

Harry Blesy, Bob Drake, Ron Grams

Presentation: Post-war Shure Brothers Company

Guest speaker: Michael Pettersen (Shure Brothers Inc.)

1pm

E. H. Scott in the Art Deco Era

Kent King

2pm

Building and auditioning a Chinese Single-Ended Stereo EL34 Amplifier

Pete Nauseda

RADIOFEST 2019
SPECIAL EQUIPMENT DISPLAY

ART DECO AND MACHINE AGE ELECTRONICS

The Theme of Radiofest 2019

RADIOFEST 2019 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/TV Apparatus Pre-1945

Radios/TV Apparatus Post-1945

Art Deco and Machine Age

Advertising / Premiums

Open

SPECIAL RADIOFEST DISPLAY

ART DECO AND MACHINE AGE ELECTRONICS

This year we are celebrating art deco and machine age electronics. We invite you to participate in our special display theme for *Radiofest 2019*. 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 art deco and machine age related items. We are looking for your contributions such as but not limited to:

- Art Deco Radios
- Machine Age Radios
- Related items that feature the above mentioned styles
- Related items such as original boxes
- Any original documents such as advertising items.

We would like to feature any items with newspaper or magazine articles and original documentation and photos.

Google Art Deco Radio or Machine Age Electronics to see thousands of sample items that would fit into our display.

Please submit the *RADIOFEST 2019 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 July 15 for consideration by the committee. Our intent is to notify each applicant no later than July 20 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 or have any questions



RADIOFEST 2019
SPECIAL DISPLAY AUGUST 3, 2019
REGISTRATION FORM
APPLICATION DEADLINE JULY 15, 2019
**** ART DECO AND MACHINE AGE ****

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 SATURDAY NIGHT. VOLUNTEER SECURITY WILL BE PRESENT AND THE ROOM WILL BE LOCKED DURING HOURS WHEN IT IS CLOSED TO PUBLIC VIEWING. WE ALSO NEED VOLUNTEERS FOR SECURITY AND OTHERS 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/SECURITY? (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**

RADIO ZONE

An Occasional Column on Topics of Radio Interest
By: David Bart

WWV CELEBRATES 100TH ANNIVERSARY

2019 marks the 100th anniversary of the oldest continuously operating radio station, WWV. WWV has a long and storied history that dates back to the very beginning of radio broadcasting.



Station call letters.

Early Station History

The call letters WWV were assigned to NIST (National Institute of Standards and Technology, then called the National Bureau of Standards) in October 1919. Although the call letters WWV are now synonymous with the broadcasting of time signals, it is unknown why those particular call letters were selected or assigned. Testing of the station began from Washington, D.C. in May 1920, with the broadcast of Friday evening music concerts that lasted from 8:30 to 11 p.m. The 50W transmissions used a wavelength of 500 m (about 600 kHz, or near the low end of today's commercial AM broadcast band), and could be heard out to about 40 kilometers. Keep in mind that KDKA of Pittsburgh, generally acknowledged as the first commercial broadcast station, did not go on the air until November 2, 1920.

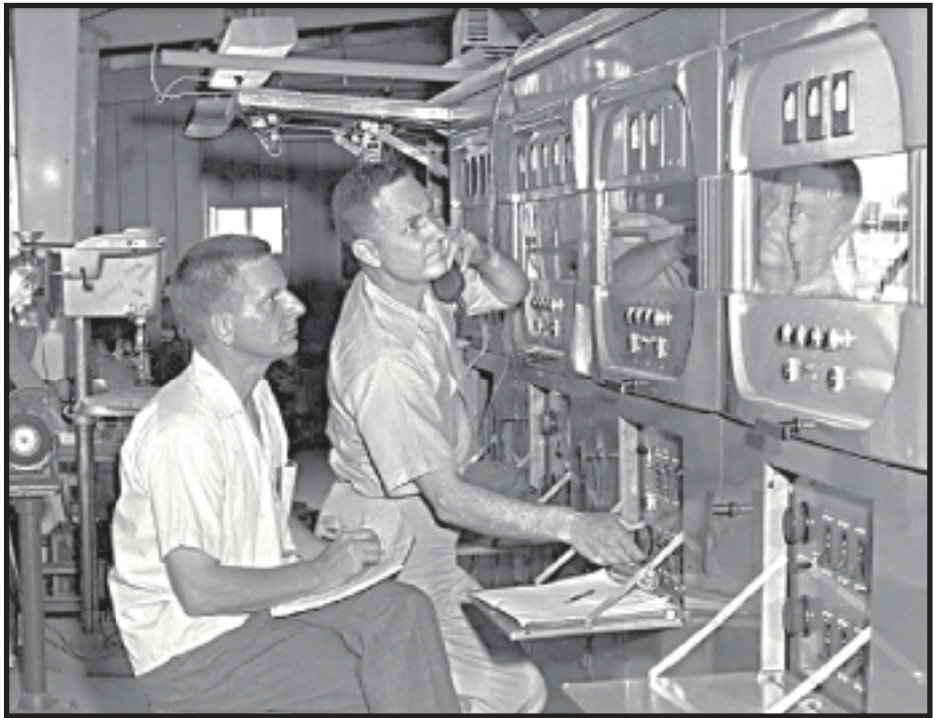
On December 15, 1920 the station began assisting the Department of Agriculture in the distribution of market news to farm bureaus and agricultural organizations. A 2 kW spark transmitter broadcast 500 word reports, called the Daily Market Marketgram, on 750 kHz. The operating radius was about 300 kilometers out of Washington. These broadcasts continued until April 15, 1921.

By December 1922, the station's purpose was defined as the transmission of standard frequency signals. The first tests were conducted on January 29-30, 1923, and included the broadcast of frequencies from 200 to 545 kHz. By May, 1923, WWV was broadcasting frequencies from 75 to 2000 kHz on a weekly schedule. The accuracy of the transmitted frequency was quoted as being "better than three-tenths of one per cent." The output power of the station was 1 kW.

Numerous changes occurred in both the broadcast schedule, format, and frequency of WWV throughout the 1920s. In January 1931, the station relocated from Washington to the nearby city of College Park, Maryland. A 150 W transmitter operating at 5 MHz was initially used, but the power returned to 1 kW by the following year. A new device, the quartz oscillator, made it possible to dramatically improve the output frequency of WWV. Quartz oscillators were first used at WWV in 1927, and by 1932 allowed the transmitted frequency to be controlled within 2 parts in 107.

The Beltsville Years

The station relocated again in December 1932 to a 10 hectare (25 acre) Department of Agriculture site near Beltsville, Maryland. By April of 1933, the station was broadcasting 30 kW on 5 MHz, and 10 and 15 MHz broadcasts (20 kW output power) were added in 1935. The 5 MHz frequency was selected for several reasons, including "its wide coverage, its relative freedom from previously assigned stations, and its convenient integral relation with most frequency standards." The 10 and 15 MHz frequencies were selected as harmonics, or multiples of 5 MHz. WWV continues to use all of these frequencies today, as well as another harmonic (20 MHz), and a sub-harmonic (2.5 MHz).



Station WWV control room.

The Beltsville area remained WWV's home until December 1966 (although the location name for the broadcast was changed to Greenbelt, Maryland in 1961). During the Beltsville years, many interesting developments took place. A fire destroyed the station in November 1940, but the standard frequency equipment was salvaged and the station returned to the air just 5 days later using an adjacent building. An act of Congress in July 1941 provided \$230,000 for the construction of a new station, which was built 5 kilometers south of the former site and went on the air in January 1943. The 2.5 MHz broadcasts began in February 1944, and are still used as a convenient way to reach the population nearest the radio station. Transmission on 20, 25, 30, and 35 MHz began in December 1946. The 30 and 35 MHz broadcasts were discontinued in January 1953 and the 25 MHz broadcast was stopped in 1977. With the exception of an almost 2-year interruption (1977-78), the 20 MHz broadcasts have continued to this day.



WWV QSL card from Maryland in July 1940.

Much of the current broadcast format also took shape during the Beltsville years. The 440 Hz tone (A above middle C) was added to the broadcast in August 1936, at the request of several music organizations. The second pulses were added in June 1937, and the geophysical alert messages began in July 1957. And as quartz oscillator technology improved, so did the frequency control of the broadcast. The transmitted frequency was routinely kept within 2 parts in 1010 of the national standard by 1958.

WWV's most well known feature, the announcement of time, also began during the Beltsville years. A standard time announcement in telegraphic code was added in October 1945, and voice announcements of time began on January 1, 1950. The original voice announcements were at 5-minute intervals. It is interesting to note that WWV continued to broadcast local time at the transmitter site until 1967.

Fort Collins

In 1966, WWV moved to its current location, near Fort Collins, Colorado, about 100 kilometers north of Denver. The LF station WWVB went on the air in July 1963 near Fort Collins, and it was decided that WWV would share the same 158 hectare (390 acre) site. The new site was about 80 kilometers from the Boulder laboratories where the national standards of time and frequency were kept. The proximity to Boulder and the use of atomic oscillators at the transmitter site would make it possible to control the transmitted frequency to within 2 parts in 10¹¹, a factor of ten improvement. Today, the station's frequency is controlled to within 1 part in 10¹³.



The WWV Building near Fort Collins, Colorado. [Photo courtesy of NIST]

At 0000 UTC on December 1, 1966 the Greenbelt, Maryland broadcast was turned off, and the new transmitter at Fort Collins was turned on. In April 1967 the station began broadcasting Greenwich Mean Time (GMT) instead of local time, and began its current format of using Coordinated Universal Time (UTC) in December 1968. The time announcements were made every minute, instead of every 5 minutes, beginning in July 1971.

Current Programming

Many new features and programming changes have been added to the WWV broadcast over the past few decades. Today, NIST radio station WWV broadcasts time and frequency information 24 hours per day, 7 days per week to millions of listeners worldwide. The broadcast information includes time announcements, standard time intervals, standard frequencies, UT1 time corrections, a BCD time code, geophysical alerts and marine storm warnings.



Views of the WWV station atomic clocks.

Operational Details

WWV operates in the high frequency (HF) portion of the radio spectrum. The station radiates 10 000 W on 5 MHz, 10 MHz, and 15 MHz; and 2500 W on 2.5 MHz and 20 MHz. Each frequency is broadcast from a separate transmitter. Although each frequency carries the same information, multiple frequencies are used because the quality of HF reception depends on many factors such as location, time of year, time of day, the frequency being used, and atmospheric and ionospheric propagation conditions. The variety of frequencies makes it likely that at least one frequency will be usable at all times.

The WWV antennas are half-wave vertical antennas that radiate omnidirectional patterns. There are antennas at the station site for each frequency. Each antenna is connected to a single transmitter using a rigid coaxial line, and the site is designed so that no two coaxial lines cross. Each antenna is mounted on a tower that is approximately one half-wavelength tall. The tallest tower, for 2.5 MHz, is about 60 m tall. The shortest tower, for 20 MHz, is about 7.5 m tall. The top half of each antenna is a quarter-wavelength radiating element. The bottom half of each antenna consists of nine quarter-wavelength wires that connect to the center of the tower and slope downwards to the ground at a 45 degree angle. This sloping skirt functions as the lower half of the radiating system and also guys the antenna.



WWV 5 and 20 MHz transmitters.

The signals broadcast by WWV use double sideband amplitude modulation. The modulation level is 50 percent for the steady tones, 50 percent for the BCD time code, 100 percent for the second pulses and the minute and hour markers, and 75 percent for the voice announcements.

WWV has resumed broadcasting on 25 MHz on an experimental basis. The broadcast consists of the normal WWV signal heard on all other WWV frequencies, at the same level of accuracy. Its current 25 MHz broadcast specifications reflect a continuous schedule; however, as an experimental broadcast, the 25 MHz signal may be interrupted or suspended without notice.

WWV's power rating is 2.5 kW. It operates a half-wave vertical dipole antenna (as of 2150 UTC, 06 September 2017).

Centennial Year

2019 is a celebratory year for the WWV stations. The fiscal year (FY) 2019 federal budget -- once signed -- will include full funding for the stations, which also mark their 100th year in the fall. The WWV Centennial Committee has a tentative agreement with NIST to mount a special event station in the fall adjacent to the WWV site in Colorado, marking the 100th anniversary of the time and frequency standard station, the world's oldest continuously operating radio station. A memorandum of understanding is being developed.



Building signage in Fort Collins, Colorado.

Dave Swartz, W0DAS, of the Northern Colorado Amateur Radio Club (NCARC) heads the committee, which is developing plans for an NCARC special event from September 28 through October 2, with a NIST centennial observance tentatively set for October 1.

The NIST budget for WWV, WWVH, and WWVB is anticipated to remain level for FY 2019. With the funding suspense over, Swartz told ARRL, "our committee is moving forward."

Swartz and committee members Darren Kalmbach, KC0ZIE, and Kevin Utter, N7GES, met on February 8 with WWV/WWVB/WWVH Station Manager John Lowe, WWV Electronics Technician Glenn Nelson, and WWV Chief Engineer Matt Deutch, N0RGT.

"This was the first meeting for the committee and the first to include NIST upper management," said Swartz, who called the meeting "very productive." Swartz said NIST management is "on board" with the celebration, and Deutch plans to attend Hamvention in Dayton on May 17-19, 2019 to promote the centennial event.

Although the US government cannot fund any Amateur Radio special event expenses, the club members will be allowed to use a 15-acre parcel on WWV property, Swartz explained on the WWV Centennial website. "The operating site lies outside the security fence and simplifies logistics," he said.

Swartz hopes that other clubs in Colorado will be able to help make the WWV Centennial a success.

Sources:

- "Celebrating 100 Years of WWV," *WWV Website*, <http://www100.com/index.php>.
- J. Hanson, "The Most Important Radio Station You've Never Heard of Marks 50 Years on the Air," *Science*, July 2, 2013. <https://www.wired.com/2013/07/wwvb-time-radio/>.
- *QSL Gallery for NIST Radio Stations Website*. <https://tf.nist.gov/stations/qs1.htm>.
- "WWV Centennial Special Event Will Use WW0WWV," *ARRL Letter*, Feb. 14, 2019.

NEWS FROM THE HAMSHACK

By Jim Novak, WA9FIH

THE HALLICRAFTERS S-85 AND HOW IT ALL STARTED

Back when I was in elementary school, we lived in what was then called South Lawndale – now Little Village, or como se dice La Villeta. My parents owned a couple of radios that, in addition to the standard AM broadcast band, had a shortwave band as well – one was a Zenith in a vertical wooden case with the speaker above a big round dial – the other a General Electric table radio with a “slide rule” type of tuning dial across the front top edge. Back then the top end of the AM Broadcast dial was sometimes marked “Police” – in Chicago, cars were dispatched with an AM transmitter and replied on a frequency around 154 Mc using FM – Motorola made “special” trunk mount mobile units adapted from their stock “41V” model. As I recall, they had two dispatch channels, South and North! We would sometimes listen in, but what really intrigued me was the long distance signals on the shortwave bands. In particular, Radio Australia had a booming signal in the morning, and I would enjoy listening to their broadcasts while having breakfast in our big “eat in” kitchen – and I think that my folks were sort of fascinated listening in as well. My dad used to build simple BC band radios in his younger days, crystal and battery sets driving a set of sturdy Western Electric headphones or a small speaker. On Sunday mornings, there was a group of ham operators who would have a “net” on the 160 Meter band and he enjoyed tuning them in too – the Chiburban Mobileers are still around, by the way!

I also wanted to talk to some of the ham operators I heard, but understood that I needed an FCC license. The license required not only a written exam but also knowledge of Morse code, which required demodulating with a BFO – beat frequency oscillator – which those AM radios lacked! Enter the Allied Radio catalog – my “wish book.” I spent a lot of time paging back and forth through the section that described ham equipment, and we visited their showroom at 100 North Western Avenue one day. As I recall, they had a “ham shack” display just to the right of their main lobby. The display included equipment made by companies such as National, Hammarlund, and Hallicrafters. We learned that Hallicrafters was actually made right in Chicago, and the sales people at Allied seemed to have a good opinion of their gear. I spent a lot of time looking over the specifications of various Hallicrafters models. I suggested to my folks that the S-85 seemed like a radio that would be rather easy to use but still sophisticated enough that, if I did indeed get my ham license, it would be quite usable. Christmas was coming, and my birthday, two weeks later. Perhaps \$119.95 does not seem like much money these days, but back then, my folks must have really scrimped and saved to make sure that the jolly old elf left that radio under our tree!



Hallicrafters S-85.

The S-85 provided general coverage, from the AM Broadcast Band – 540 Kc – up to 34 Mc, with bandspread on the 80 through 10 Meter ham bands. I actually spent a few years SWLing both on the various ham bands, and the foreign broadcast bands. The foreign bands were loaded with signals from all sorts of exotic places – Australia, London, Radio Brazzaville (the French station in Africa), Quito Ecuador, Radio Japan, Radio Moscow, Radio Netherlands, etc. There was no Internet back then, but many of the countries would put listeners on their mailing list, and send out program schedules and mini-magazines about their lands. This was a great world geography lesson for a kid! But eventually I settled back on the ham bands, listening to the code practice sessions that ARRL – the American Radio Relay League – sent from their W1AW headquarters station in Newington, Connecticut.

The sunspot cycle must have been “up” back then, since I recall a lot of activity on the 10 Meter (28 MHz) band. There was one ham in particular in Hastings, New Zealand who had a sheep ranch and kept a regular schedule with his ham buddy around Cincinnati Ohio – I could not hear the Ohio station, but the ZL station with his big wire rhombic antenna aimed at Ohio from his sheep ranch made his signal easy to tune in. It was still there when all the rest of the DX had faded out for the night! By the way, my antenna was a simple long wire that zigzagged through my room, the hallway and kitchen, clipped to the picture molding about a foot below the ceiling.

After I graduated from elementary school, we moved to Cicero. While attending Morton East High School I spent most of my spare time listening to the W1AW code practice until I was confident that I could pass the then-required 5 words per minute Morse code exam. Back then, we had to find a volunteer examiner who was willing to administer the code and written theory exams for the entry-level Novice exam (good for only one year, non-renewable) – the next step up was a Technician Class license also requiring 5 WPM code and a more comprehensive written exam – this five year license was renewable and allowed operation on VHF bands only. I was fortunate to take and pass both exams in one sitting, and I was granted two licenses – Novice call letters WN9FIH and Technician WA9FIH!



Hallicrafters R 46B Speaker.

My trusty S-85 was put to good use. I also used a scrounged Heathkit DX-100 transmitter throttled down to 75 Watts, the Novice limit. With the mandatory crystal control and a Mosley Vertical antenna, I concentrated on getting my speed up to the then required 13 WPM for the General exam, which had to be taken at the old U.S. Court House in downtown Chicago – scheduled one Friday a month. After four or five months of operating, I worked up the nerve to take the exam and somehow managed to pass, becoming a General Class (renewable license, more privileges) ham. By then, I traded in my DX-100 for a little AMECO TX-86 transmitter. The TX-86 covered 80 through 6 Meters, crystal controlled, and had strung a small dipole for 6 up in our attic.

Again, the S-85 served me well. The I.F. used with an AMECO converter I built, running into the 20 Meter band, had great bandspread in the lower portion of the band where we all operated. I stayed far away from TV Channel 2 and the dreaded TV interference that we might cause, ugh! Meanwhile, Heathkit was closing out their Cheyenne mobile transmitter, which had a built in VFO and covered 80 through 10 Meters. So, I bought one, assembled it with no problems (!), and ran it with the same power supply that I used for my 6 Meter AMECO. All the while, my S-85 performed as well as could be expected for a moderately priced radio. I found a sale on surplus Hallicrafters S-meters that were actually intended for the SX-99. This was one step up from my S-85. I installed one in the blank space on the S-85's front panel. The addition of a Heathkit Q-multiplier gave me some additional selectivity when needed.

When Hallicrafters discontinued their SR-150 SSB transceiver, I was able to purchase one at an affordable price. I also found a nice used Clegg Venus 6 Meter SSB transceiver for that band. Since then, although I have upgraded my main station equipment several times, my trusty S-85 has remained in my radio room. It serves me well as a general coverage SWL receiver. Despite its age, it continues to work very well, with a few little upgrades like replacing the rectifier tube with silicon diodes to reduce the filament draw from the power transformer.

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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CLASSIFIEDS

For Sale: Selling off remaining collection as part of moving sale. Approximately 70 radios remaining including Scott's, McMurdo's and other tabletops. All table tops, \$2,500 for the lot. If interested, please contact Art at 630.739.1060.

For Sale: FORMER MOTOROLA ENGINEER'S MUSEUM COLLECTION of 75 Motorola home, portable & auto radios from 1949-75, cleaned, polished, and currently on display including descriptive placards and posters, at the Quincy (IL) Museum. Some have minor blemishes not noticeable on display. An additional 20+ sets that exceeded display space are also included. Available as one lot only, after December 2018. \$3,000. Pick up only or pre-arranged delivery. Contact: oshuler@comcast.net or by phone 217-257-5830.

For Sale: Everything I have radio related is for sale. Too much to list. If you want to see what I have, call David at 630-336-9790. I live in Woodridge, Illinois.

CLUBBING AROUND

EARLY TELEVISION FOUNDATION CONVENTION

The ETF will host its annual convention May 3-5 at the Early Television Museum in Hilliard, Ohio. Additional information can be found at http://www.earlytelevision.org/2019_convention.html.

ANTIQUÉ WIRELESS ASSOCIATION

The Antique Wireless Association will have its next meeting on May 4, 2019 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 May 5 (Madison) and June 2 (Milwaukee). 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 17-18. 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 19-20, 2019 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 2019. Details and the dates will be announced. Please see the IHRS website for more information at <http://www.indianahistoricalradio.org/>.





ARCI NEWS

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