



# ARCI NEWS

[www.antique-radios.org](http://www.antique-radios.org)

Affiliated AWA  
Antique Wireless Association 

Volume 40, Issue 6  
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**1940 HOLIDAY GREETING POSTCARD**  
*(Courtesy New York Public Library Digital Collections)*

# ARCI LIVE ONLINE VIDEO MEETS

**MONTHLY LIVE ONLINE MEETINGS CONTINUE**  
**Generally, 3rd Saturday of the Month**

**10AM – 12AM CENTRAL**

**THE AGENDA FOR EACH LIVE ON-LINE MEET**  
**IS ISSUED JUST BEFORE THE EVENT**



## Upcoming 2020 - 2021 ARCI MEET SCHEDULE

December 19, 2020	10AM-11:30AM Virtual Meeting	LIVE ONLINE
January 16, 2021	10AM-11:30AM Virtual Meeting	LIVE ONLINE
February 20, 2021	10AM-11:30AM Virtual Meeting	LIVE ONLINE
March 20, 2021	10AM-11:30AM Virtual Meeting	LIVE ONLINE
June, 2021	Outdoor - TBD Combined Meet With 6-Meter Club of Chicago	TBD DuPage County Fairgrounds Wheaton, IL
August, 2021	RADIOFEST TBD	TBD Medinah Shriners-Addison, IL
October, 2021	Outdoor - TBD Business Mtg./Officer Election	TBD American Legion Hall Carol Stream, IL
December, 2021	Indoor - TBD Business Meeting	TBD American Legion Hall Carol Stream, IL

## PRESIDENT'S MESSAGE

I have multiple topics to update you on: ARCI officer election, *the ARCI Newsletter*, swap meets, online meets, repair services, and equipment for sale. Here we go!

### ARCI OFFICER ELECTION

Annual officer elections are occurring this December. Traditionally, elections are done at the October or December face-to-face business meeting by attendees voicing a yea or nay as a group vote. This year there is a mail-in ballot in this newsletter and members with valid emails will have the OPTION to vote online. I encourage you to vote. You will find the ballot on the last page of this issue.

### ARCI NEWS

Dave and Julia Bart have done a fabulous job as editor for many years. They have contributed many great pictures and articles in addition to structuring the newsletter as you see it today. Dave is a past ARCI president and continues to be an active historian, editor and author for several national radio organizations, including the Radio Club of America, Antique Wireless Association, Museum of Broadcast Communications in Chicago, and the Institute of Electrical and Electronic Engineers. Well done Dave! Julia was a former ARCI treasurer and a longtime volunteer at *Radiofest*.

Please welcome Maureen Blevins as the new *ARCI News editor*. Maureen is a published author, photographer and freelance newsletter editor with many years of professional collector car club publication experience. Although she is new to antique radios, Maureen is a quick study. She has three grown daughters and a faithful dog too!

This month Dave and Maureen are jointly editing the newsletter. Maureen will “fly solo” starting with February 2021’s edition. Dave has graciously offered to support Maureen as the need arises going forward.

Starting with this newsletter, all members with a valid email address on file will receive an email message to access the soft copy newsletter early. As an additional bonus, the electronic newsletter is in color! This is an ADDITION for those receiving the paper copy of the newsletter. The paper copy is still being mailed to those requesting it.

### SWAP MEETS

Illinois remains at COVID phase 4 with tighter gathering restrictions due to the increase in the number of cases. Phase 5 opens the opportunity for face to face swap meets. I am cautiously optimistic we will be at phase 5 for *Radiofest 2021*. Steve Muchow’s article in this issue provides further *Radiofest* planning details.

## **ARCI LIVE ONLINE MEETS**

The monthly ARCI live online meets are growing in attendance. We are fortunate to have wonderful presenters and participants from all over the country. Bravo to the recruiting team of Matt Pollack, Tom Zaczek and Bill Cohn. Our presentation format has been enthusiastically cloned or adapted by other radio clubs - that is great. Join in! We offer *Radiofest* grade presentations and more. Please look at Tom Zaczek's update as well as other meet details throughout this newsletter.

## **REPAIR SERVICES**

The club continues to get equipment donations, enquiries for repair, requests for valuation and the like. If you are actively doing repairs for members and the public, please consider having your contact information added to the website resources list. Contact me via club email: [clubinfo@antique-radios.org](mailto:clubinfo@antique-radios.org).

## **EQUIPMENT FOR SALE**

We have quite a bit of equipment literally stacked up in the club storage locker. The intent was to get it to swap meets starting last April. Much of it is tube communication receiver parts sets, heavy on Halicrafters, donated from Jack Inversion's estate to ARCI by his son. We do not have an inventory, but I have some idea what is there. If you want to rummage through it and financially support ARCI, contact me via the club email.

Many items for sale are sent to you via the ARCI email notification. If you are not getting the ARCI email updates and would like to receive them, please send your request to [clubinfo@antique-radios.org](mailto:clubinfo@antique-radios.org).

Please do keep in touch with your radio friends via phone, email and now in ARCI live online meets.

*Happy tuning,  
Tom Kleinschmidt  
Acting President, ARCI*

## **ARCI UPDATE**

### **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. Look in the back of the newsletter for the form.

## **PUBLICATIONS TRANSITION**

After nearly 20 years, David and Julia Bart are retiring as *ARCI News* editors and publishers. Other priorities have finally crept in, and they have asked to transition out. They wish everyone all the best, and they look forward to contributing articles in the future but they will no longer run ARCI's publishing empire. Maureen Blevins has agreed to take over. Maureen is a friend of Tom Kleinschmidt with experience publishing in the car collector arena. Cindy Fudge, our printer, will also continue. Maureen and David have been transitioning since October, and Maureen will take over in January. David will remain onboard through February for ongoing transition. From the Barts: "We thank everyone who has contributed to *ARCI News* over these twenty years. It has been a real honor to work with everyone, to share your stories, and to enjoy seeing you at the meets. We hope to see you all at the next events and to catch up with old friends when life returns to normal after Coronavirus, hopefully by next summer." In the meantime, ARCI looks forward to receiving contributions from new and old authors going forward. Don't be shy, write up something new and fun and share it with the membership!!

## **OFFICERS FOR 2021**

ARCI traditionally holds its annual business meeting and officer elections at the December meet. This year there is a mail-in ballot. Members with valid emails will receive an electronic voting invitation - as an option to this paper ballot. Please see the ballot in the back of this newsletter for additional information about the election.

The following people are nominated to serve another year:

### **Board of Directors**

Dr. Barry Janov, Chairman  
David Bart  
Art Bilski  
Harry Blesy  
Ed Huether  
Tom Kleinschmidt  
Steve Muchow  
Robert Piekarz  
Olin Shuler  
John Stone  
Jeff Aulik

### **Officers**

Tom Kleinschmidt, President  
Jim Novak, Vice President  
Tom Zaczek, Vice President  
Rudy Hecker, Treasurer  
Open, Secretary/Membership



## VOLUNTEERS FOR 2021

ARCI has been fortunate to have a great team of volunteers over the years who have faithfully and generously served the club. They deserve your thanks and recognition for all the support they provided. Remember, ARCI is your club and we need your help too! As we all pitch-in, the club will continue to improve for everyone's benefit. Please talk with one of the officers, Board Members or current volunteers for more information on how you can lend a hand. ARCI looks forward to working with the following during the upcoming year.

Nicholas Tillich, *Radiofest* Auction Coordinator  
John Stone, *Radiofest* Auction Coordinator  
Jim Sargent, *Radiofest* Auctioneer  
Jim Novak, WA9RCI Ham Radio Station  
Tom Kleinschmidt & Bill Cohn, Donation Auction  
Ron Grams, WB9IMR, Trustee of FCC License WA9RCI  
Ed & Judy Huether, *Radiofest* Coordinators  
Rudy Hecker, Signage, People's Choice Contest  
Elaine Hecker, Registration  
Jim Rajkovic, Webmaster  
Gary Bernstein & Tom Kleinschmidt, Public Relations  
Cindy Fudge, *ARCI Newsletter* Publisher  
Maureen Blevins, *ARCI Newsletter* Editor  
Karl Johnson & Pete Nauseda, Parking and Information  
Steve Muchow, *Radiofest* Chair  
Dan Schoo, Photographer  
Matt Pollack, Director ARCI Online Events  
Bill Cohn, Tom Kleinschmidt & Tom Zaczek, team members

## **YEAR END 2020 ANNUAL REPORT**

**By Tom Kleinschmidt, ARCI Acting President**

**MEMBERSHIP:** Your annual ARCI membership is valid for the year from the month you joined. It is important to reiterate this fact as membership revenue has monthly peaks and valleys. The big months for joining and renewal are December, at the eve of the new calendar year, and August, at our most attended event, *Radiofest* (RF). Last year at *Radiofest* we gained almost 100 paid memberships.

In February 2020, membership was at 229, and in September 2020, it was 147. Typically, our membership is in the mid-200s, so the loss of face to face renewal has had a big impact. The leadership team is working to get online renewal up and running, and we are working on a plan to reach out to those with expired memberships. Please encourage your friends to renew or join; there is an application in this newsletter.

**FINANCE:** As of 31 October 2020, the ARCI bank balance is \$22,126. It is in line with yearend 2019, at \$23,758, and 2018, yearend at \$21,532. Although the numbers look OK, the big differences are expenses and income that did NOT occur in 2020. The obvious expenses incurred are related to the cancellation of swap meets and *Radiofest*. Revenue not incurred include reduced memberships and no donation auctions. Email advertised donation sales have yielded much lower revenue than swap meet auctions as there are fewer items and no in-the-moment spontaneous purchases. In recent years since, the team has done a fine job making *Radiofest* self-supporting: revenue = expenses. Historically, that has been out of reach, and each year brings new challenges. It is not guaranteed.

We are effectively running 2020 on the cash balance from 2019 plus just over half of membership renewals and lower donation income via cash and equipment sales. Our cash balance will diminish steadily without our traditional sources of income. In anticipation of swap meets reopening in the second half of 2021 to early 2022, ARCI should remain viable as our reoccurring expenses are well managed.

**LEADERSHIP:** Jeff Aulik stepped down mid-term as president. Tom Kleinschmidt stepped in as acting president. The club has a slate of officers proposed for 2021. We need to fill the Secretary/membership position. Clubs run on volunteers. See the ballot in the back of this newsletter.

**ACTIVITIES:** ARCI live online meets are a new and growing offering for 2020. They are not a replacement for swap meets but an addition, to share radio history, technology, and camaraderie, with some online swaps as well. Since the annual *Radiofest* has traditionally been the only venue for presentations, live online meets offer monthly high-quality interactive talks from around the country. Online meets will continue as an enriching experience in addition to future swap meets. Starting this month, the *ARCI News* will have articles tied to selected previous online presentations to share the knowledge.

The February swap meet in Carol Stream was our only face-to-face event this year since the pandemic shut down group activities starting in March. The team remains in touch with venues and suppliers for the future reopening of swap meets and *Radiofest*. Details for both online and in-person events are in this newsletter.





# I WANT YOU TO VOLUNTEER WITH ARCI !!

*We Need Your Help To Run Your Club!!*

- **ARCI News - Authors, Contributors**
- **Local Meets - Coordinator, Auction Help**
- **Radiofest Staff - Auction, Registration**
- **Radiofest Hospitality Tent - Donors, Staff**
- **Officers - Earn Your Stripes Today!**

*Please contact your Board Members & Club Officers or email Tom Kleinschmidt at [clubinfo@antique-radios.org](mailto:clubinfo@antique-radios.org)*



## ARCI Live Online Video Meets

### Dates

December 19, 2020

January 16, 2021

February 20, 2021

### Get Started

Watch for email notices from ARCI or email your request to:

[remote-events@antique-radios.org](mailto:remote-events@antique-radios.org)



# **RADIOFEST 2021 PLANNING UPDATE**

**By Steve Muchow, *Radiofest* Chair**

## **RADIOFEST 2021**

**Friday, August 6 – Saturday, August 7**

**Medinah Shriners**

**550 N. Shriners Drive**

**Addison, Illinois 60101**

It was in May 2020 that ARCI announced the decision to cancel *Radiofest* 2020 due to Covid-19 restrictions by the State of Illinois. Five months later, I am writing this update (late October). We are still locked down and will most likely continue to do so as we head into the winter months. As you know, gatherings such as *Radiofest* can only be considered viable after we have entered Phase 5 of the “Restore Illinois” Order. Safety of our members and attendees is paramount, and ARCI will wait until we can comply with all relevant Phase 5 requirements.

As mentioned above, we are planning to host *Radiofest* 2021 on August 6th and 7th. ARCI has again reserved the beautiful Shriners Facility and the adjacent Hilton Garden Inn Hotel in Addison, Illinois.

Obviously, we are hoping that health conditions will improve and allow us to get together again to enjoy one of the best radio meets in the world. There are many decisions to be made well in advance of the *Radiofest* date, and we are monitoring the situation daily to determine what is needed to successfully “pull it off”. As with everything, we can only influence aspects we can control. The virus and the government mandate will have the last word!

In the meantime, I highly encourage you to participate in ARCI’s live online meetings. The ARCI online team is doing a super job, and this is a great way to virtually get “back in the swing” with fellow collectors. Look for details on these meetings elsewhere in this issue of *ARCI NEWS* and ARCI’s email notices. Also, be sure to watch for information on the ARCI web site ([www.antique-radios.org](http://www.antique-radios.org)).

If you have any comments or questions, please send them to me at [smuchow@att.net](mailto:smuchow@att.net).

For now, there are many worthwhile antique radio related videos from online sources such as ARCI, AWA, and YOUTUBE to watch. If you find a particularly interesting online video that members may enjoy, please let us know.

Join ARCI for our monthly online meetings and continue to take advantage of this time at home to restore all of those radios that have been sitting on the shelf gathering dust. Hopefully, you can bring them to *Radiofest* 2021 and show them off or maybe even work out a swap in the large parking lot flea market!

## ARCI ZONE

### A Column on ARCI Special Items of Interest

By Tom Zaczek

#### ARCI'S LIVE ONLINE MEETINGS

If you have been longing for those ARCI swap meets, here is a club activity that is just as fun: The ARCI Live Online Meetings! Starting in July, ARCI has now had four monthly meetings where we get together online and watch and discuss live presentations. Look at all these great presentations we have had so far!

1	All-American Five Tube Types	Bill Cohn
2	EMOR Model 100 Globe Radio	Tom Kleinschmidt
3	Hallicrafters AA6 modifications	Larry Stark
4	Midland B6A 32V Battery Set Restoration	Tom Zaczek
5	Brief History of Peter Burns and the American Electric Co, Chicago, IL	Matt Endicott
6	Live Walk Through of Collection That Moved from Illinois to Florida (Parts 1 & 2)	Art Bilski
7	A Guide to Some Common Volt Ohm Meters of Yesteryear	Don Helgeson
8	Tips & Tricks: Why You Cannot Use Curtain Burner Line Cords	Bill Cohn
9	Stealthy Tube Radios: (Radios Hiding in Plain Sight)	Tom Zaczek
10	Buying and Selling Old Radios	Gary Bernstein
11	Tips & Tricks: The Use of Safety Caps	Bill Cohn
12	Radios with Interesting Dials	Tom Zaczek
13	Wells Gardner 16 tube radio	Tom Kleinschmidt
14	Philco and the State of the Art	Dave Kruh
15	The (Scott) Napier Project	Joe Koester
16	Live walk through of a Sparton Radio Collection	Bob Kuhel

All of these presentations were very enjoyable and informative, and because they were live, we were able to interact with the presenter during the presentations and in the “open-session” at the end of the meeting. So, here is your chance to get together with fellow antique radio enthusiasts and learn about some things you probably did not know, and pass along your own knowledge as well. It has worked out great so far and thanks to all of you who have presented and participated!

We have had steadily increasing attendance every meeting, with over 40 people registering and participating in the last meeting! It is truly a nationwide participation. We have ARCI folks that are joining in from Florida, Texas, Missouri, Tennessee and North Carolina! We also have participation from other clubs in Wisconsin, Colorado, New England and the Mid-Atlantic. Talk about adequate social distancing!

In addition to the presentation and open discussion sections, we have now added an “Items for Sale...Items Wanted” section to the meeting so you can see what others (including ARCI) have for sale and get their contact information, or you can ask the group about what you are trying to find. More on that below.

If you have not joined us yet in these live meetings, this article will give you the information about how you can join and participate (even if you have never used

a video application before)! I will also cover the format of these meetings, how you can be a presenter, and what's coming up in the next meeting.

## **How to Join the Next Meeting**

### ***Step 1: Get the Zoom Application installed on your computer, tablet or smartphone.***

We use the Zoom application to connect everyone for these online meetings. It needs to get installed on your device. This article does not cover that in detail, but you can go to [Zoom.us](https://zoom.us) to get the app and helpful information on how to install it. This site allows you to test your microphone and camera by using Zoom's "test meeting" before trying your first real meeting. Step 1 might be a simple thing for you, but if you have difficulty with this step, please send an email to [remote-events@antiqueradios.org](mailto:remote-events@antiqueradios.org). We have helped several folks get connected.

### ***Step 2: Get registered for the next meeting by clicking the link in the meeting invitation email.***

Every month we send out several invitation emails for the upcoming meeting. If the club doesn't have your email address you will need to send it to [remote-events@antiqueradios.org](mailto:remote-events@antiqueradios.org). (You do not have to be an ARCI member to be on this list.) After you click the link in the invitation, you will receive an email almost immediately back with the "meeting link". Save this email so when it's time to join the meeting all you do is click this link. Note that you can register as soon as you get the invitation, which can be many days ahead of the meeting.

### ***Step 3: Join the meeting!***

When the meeting time rolls around you simply click the "meeting link" in the registration email that you received when you registered. Alternatively, you can also join by opening the Zoom App and entering the meeting number and password that are provided to you in that same email.

Meetings 'open' at 9:45 AM so we can all have 15 minutes to make sure we get connected online and that our audio and video are both working properly. Some folks prefer just to participate with their cameras off.

## **The Meeting Format**

***Introduction:*** The meetings start promptly at 10 AM. I serve as the moderator and give a brief introduction followed by the ground-rules for the presentations. Matt Pollack then gives a quick 5-minute tutorial on how to use the Zoom menus. At breaks in the meeting Matt will also send out pop-up polling questions to the participants.

***Presentations:*** Each presenter is given a prearranged time, usually 10 minutes (including questions). We typically have around 4 presentations each meeting. Typically, the presenter entertains questions from everyone during the presentation. If more questions pop up later, we use the open session at the end to finish up the discussion.

**Items For Sale...Items Wanted:** At the last meeting we introduced this new section to the meeting. Tom Kleinschmidt showed slides of a few items from the ARCI's donation cache, with asking prices. There were also a few folks that showed items for sale and their contact information. In this section you can also ask about particular items you are trying to find. Let us know when you register for the meeting if you want to participate by showing items for sale or that you would like to buy.

**Open Session:** When the above sections are done, it becomes an open discussion forum until 12 noon.

**Recordings of Meetings:** The meetings are recorded. ARCI has not yet decided where we will put these recordings. Stay tuned.

### **How to Present at a Live Online Meeting**

If you want to be a presenter, you can do it in a variety of ways. Remember- our goal for most presentations is to get through it in 10 minutes, including questions and answers. Longer special presentations are also welcomed. Contact us at [remote-events@antiqueradios.org](mailto:remote-events@antiqueradios.org) if you would like to do so.

Here are two suggestions:

1. Have a prepared presentation or photos ready that you step through on your computer. Most of our presentations thus far have been done this way. You use Zoom's "share your desktop/screen" feature so everyone can see what's on your computer desktop. You can use whatever program you want. Microsoft Power Point and Mac's Pages are good candidates. You can also use any program that will put up text on your screen - like Microsoft Word - or just step through a bunch of photos on your computer.
2. Consider doing a live walk through. Talk about your radio or related topic without any presentation files or photos. A live camera shot of the radio/equipment would be required so everyone can understand the topic clearly. It is probably a good idea to jot down some key points to cover to use as cue cards so you can cover all the points you want to make in 10 minutes. Art Bilski's walk through presentations were a great example of this.

### **What's Coming Up in the Next Meetings**

At this point, we are excited at the great interest in the upcoming meetings. We will use your feedback as we go forward to possibly shape the meeting topics such as having a "themed" meeting like "just Zenith radios", for example. Let us know your ideas and preferences. If you have any ideas for poll questions to be asked during the meeting please share them with us.

Some of the presentations we have scheduled for the next meeting on November

21st, which you won't want to miss, are as follows:

- A live walk through of the California Radio Historical Society's extensive radio history museum, with Steve Kushman, CHRS President. Check out the CHRS website for more info on this amazing museum that Steve will walk us through, with live interaction with us as we go! Link: <https://californiahistoricalradio.com/about/>
- A presentation about the J.W. Miller Transistall AM Radio by Steve Muchow
- A presentation on his 100-year-old Areola radio by Bob Ballard (it's been in his family since it was new!).

## Meeting Schedule

The next meeting is Saturday November 21st at 10 AM; the schedule for the next several meetings is listed below, usually the third Saturday of the month from 10 AM to noon. The following dates are scheduled:

Meeting #5	Saturday, November 21, 2020
Meeting #6	Saturday, December 19, 2020
Meeting #7	Saturday, January 16, 2021
Meeting #8	Saturday, February 20, 2021
Meeting #9	Saturday, March 20, 2021
Meeting #10	Saturday, April 17, 2021
Meeting #11	Saturday, May 15, 2021

I look forward to the upcoming meetings and hope you all get a chance to attend. I encourage you to be a presenter to share your experiences, knowledge, and passions about these old radios!

## Background

The opportunity for the club to hold a virtual video meeting stemmed from the desire to provide some ARCI club activities during the pandemic, coupled with an existing commitment by the club to start a show-and-tell presentation segment at our regular physical meetings. At the last physical meeting, way back in February 2020, Matt Pollack and I proposed to club officers that we set aside some time during the next club meeting for any members to bring some radio or equipment to talk about with the group. The club approved the idea and we were planning to do it during the April meeting; but the virus intervened.

In June, Tom Kleinschmidt, Bill Cohn, Matt Pollack and I had a few email and phone exchanges about how to set up a virtual club meeting. We picked Zoom and held a few Zoom meetings to lay the groundwork and make sure the system was working. The four of us formed the ARCI Online Meeting Team. We welcome your ideas and suggestions. We can be reached via email at [remote-events@antiqueradios.org](mailto:remote-events@antiqueradios.org).

# NEWS FROM THE HAMSHACK

By Jim Novak, WA9FIH

## REMEMBERING CONAR HAM EQUIPMENT

The National Radio Institute – NRI – was founded as a correspondence school by James M. Smith in 1914 to prepare students to become radio operators and technicians for the new field of broadcasting. In the 1960s, NRI offered a number of kits, mostly test equipment, including audio and signal generators, vacuum tube voltmeters, oscilloscopes, etc. The company was bought by publishing house McGraw-Hill, and due to changing technology and the “throwaway” nature of many solid state consumer products that would have been uneconomical to repair, NRI was closed in 1999, after serving more than one and a half million students.

In the 1960s, NRI offered a correspondence course in amateur radio, with a CONAR Model 400 transmitter and Model 500 receiver. Both aimed at the beginning Novice Class licensee. The pair covered what were then the FCC-assigned Novice Class frequencies in the 80, 40 and 15 Meter bands. The transmitter was a simple one tube (6DQ6) design, running 25 Watts input, crystal controlled, CW (Morse code) only – with no provision for voice operation. Back then, the Novice class licensee was limited to CW operation with a maximum transmitter power input of 75 Watts, so the transmitter definitely complied with FCC's requirements!



*Conar Model 452.*

would have upgraded to a higher class ham license. In comparison, the basic ham kits marketed by Heathkit and Allied Radio's Knightkit covered all five high frequency Amateur bands, 80 through 10 Meters with both AM voice and CW modes. NRI's only other piece of

The receiver had four tubes, a built in speaker and headphone jack. Both had self-contained 110 VAC power supplies. Often referred to as the CONAR Twins, the pair were housed in the same compact cabinets used for several pieces of CONAR test equipment. One major drawback of the CONAR radios was that they only covered the Novice frequencies, with no provision to use in-voice mode when the owner



*Conar Twins.*

ham equipment came on the market in 1976, the model 452 solid state two meter (146 MHz) FM transceiver, a 20 Watt output radio.

CONAR's Model 400 transmitter has been described as a “bare bones” unit, with an unregulated power supply that could sometimes result in “chirp” on one's transmitted signal. Novice class hams were required to use crystal control, and the 400 used common FT-243 type crystals, which were then readily available and inexpensive – the FT-243 was a basic Signal Corps item, which was abundantly available on the surplus market, usually in steps of 25 kHz, 7025, 7050, etc. KHz. But hams learned how to carefully take them apart and carefully grind the quartz element on a sheet of glass with some water and scouring powder as grinding compound, moving up the resonant frequency.

## RADIO ZONE

An Occasional Column on Radio Related Items of Interest

By Tom Kleinschmidt

### THE RADIO WITH NO KNOBS - EMOR 100 GLOBE

(Companion article to ARCI Live Online Meet in July 2020)

The Emor Radio Company Ltd., 45 Kilburn High Rd., London NW6, was founded in 1945 by Mechal Rabinowicz.<sup>1</sup> Rabinowicz was a Polish citizen residing in



*Emor radio side view.*

#### Controls

- Rotating collars on column -

Tuning – entire sphere rotates!

Band select: AW – SW

On/off volume

Adjustable height  
3½' to 5'



*Emor radio controls.*



London.<sup>3</sup> In 1944, Rabinowicz applied for a U.K. patent for his radio design that was granted in 1949.<sup>3</sup> In 1950, he obtained a U.S. Patent.<sup>2</sup> The U.S. patent shows a floor model and a model built into the center of a round two-tier table. There is also mention of a short stem tabletop version from British Vintage Wireless Society<sup>3</sup>. Neither table versions appeared in current research.



*Emor radio dial segment (above) and grill (below).*



The floor model globe radio appears to be the only product of The Emor Company. The model 100 was sold in the U.S. and Canada, and the model 200 was sold in the U.K. The radio circuit is an All American Five using a 6SA7, 6SK7, 6SQ7, 6V6 and 5Y3. U.S. tubes were used in similar circuits for all three markets in Canada, the U.K., and the U.S. After World War II, there was a huge supply of leftover, readily available U.S. tubes available in the U.K. The U.K. combined with the U.S. as the first market for the new radio, although Emor adopted U.S. specification tubes exclusively. The model 200 is designated as a four valve (tube) set in the U.K., since the rectifier is not traditionally included in the valve count.

Introduced in April 1946, the model 100 was a U.K. export to the U.S. The 100 features MW/Broadcast and SW3 with a single voltage primary power transformer. Emor

Radio Ltd., located at 400 East 118th St., New York City, New York, was likely created as a U.S. radio import.<sup>10</sup> The 100 was licensed to Faust Radio Company of Montreal for manufacture and sale in the Canada.<sup>4</sup>

The U.K. model 200, introduced in 1947, features three frequency bands: Longwave (LW), Medium Wave (MW/Broadcast) and Short Wave (SW), with a tapped power transformer for various AC Main voltages.<sup>3</sup> The transformer with taps may have enabled export to other countries. LW commercial broadcast was not/is not offered in North America, hence the model 100 has only MW and SW.<sup>8</sup>

The globe on stem design enabled the implementation of the “no knobs” feature through a series of metal sleeves stacked one atop the other below the globe.



From top to bottom the sleeves are tuning, band select and on/off volume. When tuning the set the entire globe rotates while the chassis inside remains stationary. A multicolor translucent plastic dial encompasses the equator of the sphere. The back light projects a vertical line to show the tuned dial frequency. All the controls are coaxially arranged with space for AC mains and antenna cables to run down the stem, as in a floor lamp. The radio height may be adjusted via the telescopic stem and locked in position with a thumb screw. The overall height range is about three and half feet to almost four and a half feet on the author's set. Other stem variations are said to be a fixed height or maximum adjustable heights of five feet and six feet depending on the source.

There are several other variations in the radio's construction: sphere colors and finishes, hemisphere attachment method, speaker grill style and construction, base styling & finish, along with height adjustment. For more details please see references below. You can search for Emor globe images on the internet, and also look at the graphics in Riders Volume XVI Emor page 16-1.

The Emor globe has a very clever mechanical design, although it is a bit more involved to work on than a typical set. The aluminum hemispheres are soft aluminum and easily dented. Removal of the chassis results in needing to manage the chassis, lower hemisphere, stem, and cabling all at the same time. Its unique styling of Tootsie Roll Pop meets floor lamp is very space age, a decade before space age was a common notion.



*Emor radio logo on the dial.*

## References

1. <http://www.nvhr.nl/brands/Emor.htm>.
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standing-art-deco-blue-globe-radio/id-f\_909817/.

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8. Longwave, Wikipedia, available at <https://en.wikipedia.org/wiki/Longwave>.
9. Robert Hawes, *Radio Art*, 1991, ISBN1 872532 29 2, Page 107.
10. John Slusser et al, *Collector's Guide to Antique Radios*, 6th Edition, 2005, page 97 (also in previous editions).
11. Pictures: Authors unrestored model 100.

## **RADIO REFERENCES**

**An Occasional Column about Radio Reference Resources**

**By Tom Kleinschmidt**

### **RCA-TO-OTHER BRAND CROSS-REFERENCE**

RCA was a major supplier to other well-known companies in the early days of radio. The creation of Radio Corporation of America (RCA) holds the key to these business relationships:

*"The RCA Corporation was a major American electronics company, which was founded as the Radio Corporation of America in 1919. It was initially a patent trust owned by General Electric (GE), Westinghouse, AT&T Corporation and United Fruit Company. In 1932, RCA became an independent company after the partners were required to divest their ownership as part of the settlement of a government antitrust suit'."*

RCA radio chassis were sold to its parent/former parent companies under company specific model numbers. The two charts<sup>2</sup> shown below indicate models were sold by these companies<sup>2</sup>:

#### **United States**

GE  
Graybar<sup>3</sup> (Western Electric, AT&T)  
RCA  
Westinghouse

#### **Canada**

Canadian General Electric Co.  
Canadian Westinghouse  
RCA Victor of Canada

As collectors and historians, it is interesting and useful to know what common RCA chassis were sold by various companies. Armed with this information we get insights into business relationships, marketing, and have additional sources for spare parts outside the brand radio we may be working on.

#### **Notes**

1. Radio Corporation of America, Wikipedia: <https://en.wikipedia.org/wiki/RCA>.
2. National Radio Institute, publication 17 SS (WPC4M72937) .
3. Graybar, Wikipedia: <https://en.wikipedia.org/wiki/Graybar>.



# RADIO-TRICIAN

REG. U. S. PAT. OFF.

# Service Sheet

*Compiled Solely for Students and Graduates*

**NATIONAL RADIO INSTITUTE, WASHINGTON, D. C.**

### CROSS-INDEX

to  
RCA Victor, General Electric, Westinghouse and Graybar Chassis  
with corresponding RCA Victor of Canada, Canadian General  
Electric Co., and Canadian Westinghouse Similar Chassis

RCA VICTOR	G. E.	West.	Graybar	RCA Victor Can.	G. G. E.	C. W. Co.
AVR-1, 140, 141, 240	-	-	-	-	-	-
SW-2	JZ-30	-	-	SWA-102	JZ-30	-
R-4, R-6	J-70	WR-17	GT-7	-	-	-
R-5	T-12	WR-14	GB-4	-	-	-
R-5-D.C.	T-12-D	-	-	-	-	-
R-5-X	T-12-E	WR-14-CR	-	-	-	-
T-5	E-52	WR-9	-	-	-	-
R-6, R-4	J-75	-	GC-13	-	-	-
R-7	S-22, S-22X	WR-10	GB-8	R7, R7B	S22, S22X	W601
R-7A	S-22 (2)	WR-10-A	GB-S-A	R7A, R8A, R9A, R10 <sup>4</sup> , R105	H77, S42A	W601
R-8, R12	J-80	WR-18	OR-8	R8, R10, R12	S-42	-
R-9	S-42	WR-12	-	-	-	W601
R-10	S-132	WR-15-A	GB-989	R10, R2, R12, R107	J85	-
R-11	K-62, K-82	WR-15	GB-9	R15	K62	-
R-12, R8	J-85	-	GC-14	R12, R3, R10	J85	-
RAD.16	-	-	GB-300	-	-	W16
RE-16	SZ-42-P	WR-13	-	RE37	H77	-
RE-16-A	-	WR-13-A	-	-	-	-
RAD.17	-	-	-	-	-	bAC-27/28
R-17-M	BX, K-41	WR-26-M	-	-	-	-
RE-18, RE-18A	KZ-62-P	-	-	RE41	-	-
R-18-W	K-40-A	-	-	-	-	-
RAD.18	-	-	GB-310	-	-	bAC-28/29
RAD.20	-	-	-	-	-	W55
RAD.21	B-1	-	-	-	-	-
RAD.22	B-2	-	-	-	-	-
R-21, R-22	-	-	-	R20R, R20, R109	-	-
R-22-S	L-50	-	-	-	-	-
R-22-W	L-51	-	-	-	-	-
RO-23	JZ-835	WR-16	-	R0112	-	W112
R-24	JZ-822, JZ826	-	-	-	-	-
R-24-A (47)	JZ-822-A	WR-24	-	-	-	-
R-24-A (2A5)	-	WR-24	-	-	-	-
R-27	K-40	WR-26	-	-	-	-
R-28	K-50	-	-	R28	K50	W53
R-28-P	K-50-P	-	-	R29, R31	K52, K53	W53
R-28-P (AtoG)	K-51-P	WR-27	-	-	-	W53
M-30	A-90	-	-	-	-	-
F-31	A-81	-	-	-	-	-
M-32	A-60	-	-	-	-	-
RAD.33	-	-	GB-311	-	-	bAC-28/29
M-34	B-40	WR-33	-	M-34	B-40	A-43
R-37	K-60	-	-	R-37	K-60	-
R-37-P, R-38-P	X-60-P	WR-28	-	-	-	-
R-38	E-65	-	-	-	-	-
R-38-P, R-37-P	X-65-P	-	-	-	-	-
RE-40	X-54	-	-	-	-	-
RE-40-P	K-54-P	WR-29	-	RE33	-	-
RAD.42	-	-	-	-	-	W61, W61, W71
R-43	S-42-B	-	-	R30	S42B	-
RAD.44, 46	-	-	GB-500	-	-	-
RAD.46, 44	-	-	GB-550	-	-	-
RAD.48	T-41	WR-4	GB-678	R15, RAD.48	T41	W71, W61, W61
R-50, R-55	H32	-	-	R20, R21	H32	-
RAD.51	-	-	GB-320	-	-	-
R51B, R53B	-	-	-	-	-	B103
R-55, R-50	H32	-	GB100	R20, R21	-	-
RAE-59	H72	-	-	RAE59	H72	-
RXD.60	-	-	GB-330	-	-	-
RAD.62	-	-	GB-340	-	-	-
RAD.66	-	-	GB-600	-	-	W69
R-70 & R-70-N	J-72	WR-21	-	R48	J72, J76	-
R-71, R-72	J-32, J-88	WR-19	-	R-50	J-82	W62

<u>RCA Victor</u>	<u>G. E.</u>	<u>West.</u>	<u>Graybar</u>	<u>RCA Victor Can.</u>	<u>G. O. E.</u>	<u>G. W. Co.</u>
R-71-B	-	B-83	-	R80	JB83, JB87	JB83
R-72, R-71	J-86	-	-	B52	J86	WB2
R-73 (47)	J-83	WR-22	-	R-53	-	-
R-73 (2A5)	J-83-A	-	-	-	-	-
R-74, R-76, R-77	J-100, J-109	WR-20	-	R54, R56	J105	-
R-75 (47)	J-87	-	-	-	-	-
R-75 (2A5)	J-87-A	-	-	-	-	-
R-76, R-74, R-77	J-105	-	-	R56, R54	J105	-
R-77, R-74, R-76	J-107	-	-	-	J107	-
R-78	J-125	-	-	R22	J125	W122
R-78 (2)	J-125-A	-	-	R22A	J125A	W122A
RE-80	-	WR-23	-	RE80	-	-
RAD.80	H31	WR-5	GB-700	R-35, RAD.80	H-31	W101
RE-80-S	-	WR-25	-	-	-	-
RAD.82 & 82R	H51, H51R	WR6, WR6R	GB-770	R-39, RAD.82	H51	-
	H91, H91R	WR8, WR8R	-	-	-	-
RAD.86 & 86R	H-71 & 71R	7R, WR7	GB-900	RE57, RAD.86	H71	-
RAE 84	-	-	-	RAE 84	-	-
RE-81	-	-	-	RE-81	-	-
R-90	K-106	-	-	90	K106	W103
R-90-P	K-106-P	-	-	-	-	W104
91-B	C-30	-	-	-	-	-
100, 101	K-43	WR-32	-	-	-	W14
101, 100	M-41	-	-	101	M41, M42	W14
102	M-40	-	-	-	-	-
M-105	C-41	WR-41	-	M105	C41	A14
M-107	C-60	-	-	-	-	-
110, 111, 115	K-52	-	-	-	-	-
111, 110, 115	K-53	WR-35	-	R31	K52	A53
112	L-52	WR-34	-	-	K53, K59	-
114	L-53	-	-	-	-	-
115, 110, 111	K-53-M	-	-	-	-	W53
M-116	B-52	WR-42	-	M-116	B52	-
118	M-51	WR-48	-	118	M51, M52	W254, W155
120	K-63	WR-36	-	-	K57	W53
121, 122	K-64	WR-37	-	-	K64	W64
122, 121	-	-	-	122	M69, M62	W634
M-123	C61	-	-	M-123	C61	-
124	M-63	-	-	-	-	-
126-B	C-62	-	-	126-B, 223B	L6B, L6CB	H64
127	K-64-D	-	-	-	-	-
128	M-61	WR-46	-	128	M61	W165A
128-E	-	WR-50	-	-	-	-
135-B	C-70	WR-47	-	135-B	M7B	-
140, 140B, 141, 141E, 240, AVRI	K-80	WR-30	-	140	K80, RE5	W83AW
141, 141E	K-80-X	WR-31	-	-	-	W83AW
142-B, 241-B	B-81	-	-	R87	K83	-
143	M-61	WR-45	-	143	M81	W81, W185X
210	K-55	-	-	-	-	-
211	M-56	-	-	211	M56	W254, W155
220, 222	K-66	-	-	-	-	-
221	M-65	-	-	122, 221	-	-
222, 220	K-66-M	-	-	222	-	-
223	C-67	-	-	223-B, 126B	L6CB	B634
224	M-67	-	-	224	M67	W165X
235-B	C-75	-	-	235-B	M7CB	B74, W185X
240, 141, 141E	K-85	-	-	-	-	-
AVR-1, 140	-	-	-	-	-	-
241-B, 142-B	B-86	-	-	R88	K8CB	-
242	M-86	-	-	242	M86	W84
260	K-107	-	-	-	-	-
261	K-105	-	-	-	-	-
262	M-106	-	-	262	M106, M107	-
280	K-126	-	-	280	K-126	-
281	M-125	-	-	281	M125	W124
300	K-48	-	-	-	-	-
301	M-49	-	-	-	-	-
310	K-58	-	-	-	-	-
321	M-68	-	-	321	-	-
322	M-69	WR-49	-	-	-	-
330	K-78	-	-	R49	-	W73
331	K-79	-	-	331	K79	-
340	K-88	WR-38	-	340	-	-
340-B	K-88-X	WR-39	-	340-A	-	-
341	M-89	-	-	-	-	-
380	M-128	-	-	-	-	-
380 H.R.	M-128-R	-	-	-	-	-
381	M-129	-	-	381	-	-

## HISTORY ZONE

An Occasional Column on Radio Related Items of Interest

By David Bart

### MOVIE REVIEW: RADIOACTIVE (2019)

First, some history. These days, radioactive decay is known by many names, such as nuclear decay, radioactivity, radioactive disintegration, or nuclear disintegration. It is simply the process in which an unstable atomic nucleus loses energy by radiation, the transmission of energy in the form of waves or particles. The material containing the unstable atomic nuclei is termed radioactive. Radioactivity was discovered in 1896 by French scientist Henri Becquerel who was researching phosphorescence and studying materials that glow in the dark. He placed phosphorescent salts on photographic plates, wrapping them in black paper. He found that Uranium salts caused a blackening of the plate due to “Becquerel Rays”. Further research by Becquerel, Ernest Rutherford, Paul Villard, Pierre Curie, Marie Curie, and others showed that radioactivity was significantly more complicated.

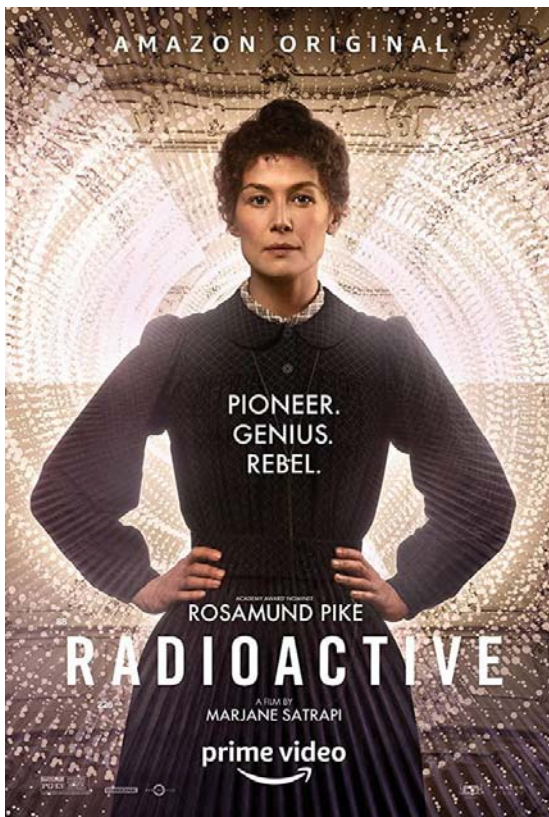
This is the setting for *Radioactive*, the new British made biopic about Marie Curie, produced by Amazon Videos (available on Amazon Prime). The film features Rosamund Pike who plays Marie Curie, the recipient of two Nobel Prizes, in Physics and in Chemistry, for her work on radiation.

Marie Skłodowska-Curie’s life was complicated. She was a brilliant, driven woman from an era that brushed women aside. Her brusque manner alienated those who could have helped her both personally and professionally. Though she struggled to gain acceptance in her lifetime, she was ultimately revered as a scientist and pioneer in her field, honored with two Nobel Prizes and numerous other accolades. The Curie’s oldest daughter, Irène Joliot-Curie, also received the Nobel Prize for the work she conducted with her husband, Frédéric Joliot-Curie. Their work extended Marie and Pierre’s discoveries and focused on artificial radioactivity, the ability to induce radioactive phenomena in stable, or non-radioactive, materials.

A Polish woman who settled in France, Marie’s biography has been written many times, and is especially well told (although a bit melodramatically) by her younger daughter, Eve Denise Curie Labouisse, in the book *Madame Curie*, published in 1937. The movie *Radioactive* is based on the more recent graphic novel biopic by Lauren Redniss, *Radioactive: Marie & Pierre Curie, A Tale of Love and Fallout* (2010). Redniss’s book was a finalist for the 2011 National Book Award, the first work of visual non-fiction to be so recognized. This book is more of a personal conversation, or reflection by Marie about her life and the impact of her discoveries.



The film documents the life and work of Marie using the Redniss approach and connects Marie's accomplishments to modern outcomes. It reveals important parts of Marie's childhood traumas, meeting her husband and research partner Pierre (played by Sam Riley), discovering polonium and radium, the tragic loss of Pierre in an accident, and her affair with colleague Paul Langevin (played by Aneurin Barnard). The movie moves through World War I and portrays Marie's important contributions to the French war effort (which are less well known to the general public, so I will not spoil this for readers of this review). Scenes of Marie's life are interwoven with scenes depicting the future uses and impact of radioactivity. These scenes point to the use of radiation in medicine, show reenactments of the atomic bombings of Hiroshima and Nagasaki, and the Chernobyl disaster. To the general public, it appears that all of this stems from Marie, which is a tremendous overreach, and seems an unnecessarily pointed political statement. Still, it is worth reflecting that the discoveries and exploration of radiation have brought both healing and death as consequences of the complicated interrelationships between mankind's impulses and motivations and the scientific characteristics of the elements. Nevertheless, one could easily argue that these cinematic asides are distracting, and I would like to have seen much more of Rosamund Pike's very strong performance of this fascinating historical figure.



The movie opens with an older Marie who is collapsed and in the hospital; a standard approach to setting up an extended flashback. It returns to Paris in 1893, when Marie meets Pierre and then briskly moves through the major points in their lives. Marie is portrayed as headstrong, bookish, and obsessive. She is dedicated to science and hostile to the rejection she faces by the chauvinistic men of the French Academie. The film does some justice to the cultural depiction of Paris in the 1890s; it effectively shows street scenes, reenactments of Loïe Fuller's dances (the Serpentine with illuminated, flowing white costumes), and the fascination with séances as a means to communicate with the non-material world. (Note, séances were more than a fad at that time, and they achieved some scientific curiosity and exploration by a number of eminent personalities such as Sir Oliver Lodge, although they were also widely ridiculed by many, including by Marie Curie.)

I liked the views of 1890s Paris, and the portrayal of the increasingly dual perspectives about women that were emerging at the time. Fuller's independence, confidence, sensuality, and luminosity are contrasted with Marie's objectivity, competence, and brilliance. I also liked the portrayals of 19th century science with its cathedrals of learning, wonderful lecture halls, and the romantic hierarchy of the Academie, coupled with the recognition of its stodgy, puritanical, and highly political nature. Marie's debates and demands to move science forward are blunt and effective, and of course, she ultimately wins. Nevertheless, these portrayals do reveal the inherently political nature of science, the ongoing battles against entrenched positions, and the limitations imposed by control over access to laboratories and investment. Those issues persist to this day.

I don't like comparing biopics, but I will note that Greer Garson portrayed Marie Curie in the 1943 movie *Madam Curie* together with Walter Pidgeon as Pierre. Both Greer Garson and Rosamund Pike have each captured something of Marie's personality as she faced the triumphs and tragedies of her life. Both movies capture basic elements of the tale, and key points are consistent with Eve's book, although some factual changes are made to each story. Garson's portrayal of Marie is a bit more regal and elegant. In contrast, Pike's portrayal is a bit more single minded, egotistical, driven, and awkward. Both portrayals may be exaggerated versions of the real Marie.

In sum, I liked the movie but do not consider the movie to be truly outstanding. It struggles for coherence at times. Given the depth of the incredible story that was available, it was somewhat disappointing despite strong performances from the cast. Even so, I do enjoy watching new portrayals of historically important figures, and this movie offers another visit to a distant place and time to witness another fascinating person in action. I recommend you watch it and reach your own conclusions.

###

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## HOW TO MAKE THE LOUD-SPEAKING X-MAS TREE

See Page 632



*In this Issue—* "THE NEW HAMMARLUND-ROBERTS CIRCUIT"

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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](mailto:jbart1964@gmail.com) and mail a check for \$80 to Rudy Hecker, ARCI Treasurer, 127 Weymouth Court, Schaumburg, IL 60193.

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# ARCI Live Online Video Meets

Generally, 3<sup>rd</sup> Saturday of the Month

10AM – 12AM CENTRAL

## Here is what you need to know:

Our meetings are monthly, often the 3rd Saturday of the month, at 10AM CT. To do a 10-minute Show & Tell, or a more in-depth presentation send an email to [remote-events@antique-radios.org](mailto:remote-events@antique-radios.org) with the specifics, such as an outline and/or photos. Presentation slides or other display concepts are welcome.

We use the ZOOM application. Install it on your computer, tablet or phone.

## Date & time

3rd Saturday each month, 10:00 AM CT – 12 NOON. (Zoom meeting opens 15 minutes before.)

## Agenda

9:45 AM – OPTIONAL PRE-MEETING – Get logged-in and troubleshoot any access issues.

10:00 AM – Meeting agenda

- Introduction – Tom Zaczek
- Navigating ZOOM Q&A – Matt Pollack
- Tips & Tricks – Bill Cohn
- Items for sale and items wanted
- Monthly Special Topics
- Open Session: non-moderated chat session as time permits

12:00 NOON – Close

## Presentations

- Show & Tell presentations are generally 10 minutes, including Q&A
- If you are sharing pictures, video, PowerPoint, documents, etc. please have them open and available on your computer before your turn to present.
- If what you are sharing has sound, you will need to click the box “Share Computer Sound.”
- Meetings will be recorded to make them available to those that could not attend them live. This may include public venues such as YouTube.
- By default, Zoom labels your window with your name. If you prefer anonymity, you can join early and change it.
- We will not share the pre-meeting content in recorded meetings.

## Using Zoom

- If you have never used Zoom before, try it out. Do not make your first experience public.
- Download & install the Zoom App.
- Test your gear. Zoom has an automated test meeting.
- ZOOM help during the meeting will be limited as Matt is the ZOOM help guy and the ZOOM meeting tech guy.
- Meeting tech gets the priority. “The needs of the many outweigh the needs of the few” – Spock

*ARCI video meeting team: Bill Cohn, Tom Kleinschmidt, Matt Pollack, Tom Zaczek*



# ARCI



## MEMBERSHIP NOTICES

On the following two pages you will find two very important items

1. Your membership renewal.
2. Your ballot for your 2021 Slate of Officers.

If your membership is due for renewal, (check your mailing label), then fill out the form.

The ballot may be filled out and mailed per instructions on ballot.  
- OR - you may vote online using instructions sent to your on-file email.

ARCI traditionally votes for officers at the annual December business meeting. We are conducting our 2021 election via online or USPS mail due to Coronavirus.

If returning EITHER or BOTH of these forms, tear out the page, fill in the information on the appropriate form(s) and mail it to:

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





# ARCI

## MEMBERSHIP RENEWALS

**PLEASE CIRCLE YOUR MEMBERSHIP:**

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Annual Membership	\$ 25	Full benefits: <i>ARCI News</i> subscription, Fee Discounts 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)

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Home Phone: \_\_\_\_\_ Application Date: \_\_\_\_\_

Email: \_\_\_\_\_

Emergency Contact Name: \_\_\_\_\_

Phone: \_\_\_\_\_



## ARCI BALLOT FOR 2021 OFFICERS

### Slate of Candidates

President	Tom Kleinschmidt
Vice President	Jim Novak
Vice President	Tom Zaczek
Treasurer	Rudy Hecker
Secretary	Open

Do you vote to elect this slate of candidates to be officers of ARCI for 2021?  
Vote Yes or No for entire slate.

Check only one:        \_\_\_\_\_ YES        \_\_\_\_\_ NO

Please fill in the information below.

Note, only current (dues paid) club members can vote:

Print name \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

Mail by December 30, 2020 to:  
ARCI  
P.O. Box 1139  
LaGrange Park, IL 60526

Attention:

1. Members with valid emails will receive an electronic voting invitation - as an option to this paper ballot. Use only one method.
2. Incomplete or improperly filled out ballots will not be counted.
3. Late ballots will not be counted.

**Return ballot via USPS mail by December 30, 2020 to:**

**ARCI  
P.O. Box 1139  
LaGrange Park, IL 60526**

*ARCI traditionally votes for officers at the annual October or December business meeting. Due to Coronavirus we are conducting our 2021 election via USPS mail and/or online. Please respond to the ballot using either one of those options, as detailed above. Thank you.*



SUPER-SENSITIVE

SUPER-SELECTIVE

SUPER-TONE FIDELITY



*That's why the engineers named it*  
**Super-HETERODYNE**



The three essentials of fine quality radio reception—sensitivity, selectivity and tone fidelity—are balanced in the Radiola Super-Heterodyne as in no other radio instrument.

The remarkable performance of this famous Radiola is the goal of every radio manufacturer. When you compare it in action with other high-quality radio sets your ears immediately tell you why the Super-Heterodyne is the accepted measure of perfection in radio design.

And any impartial dealer, if you ask for his honest opinion, will tell you that there's nothing to equal a Super-Heterodyne.

The Radiola Super-Heterodyne is no longer a luxury to be enjoyed by a few fortunate homes. It is an expensive instrument to build, but the cost of manufacture has been so reduced that this incomparable instrument can now be had for little more than the cost of an ordinary radio set.

*Radiola Super-Heterodynes are offered in three models:*

RCA RADIOLA 60—Super-Heterodyne table model \$98.

RCA RADIOLA 66—Super-Heterodyne with Electro-Dynamic Reproducer in cabinet (shown in illustration) \$115.

RCA RADIOLA 67—Special combination of the Radiola Super-Heterodyne, Electro-Dynamic Reproducer, together with phonograph for electrical reproduction of records \$69.

*(Above prices list Radiolas)*



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# ARCI NEWS

Antique Radio Club of Illinois  
PO Box 1139  
LaGrange Park, IL 60526