



ARCOVER

JUNE 2024



The Official Newsletter of the Fox River Radio League
100 Years of continuous service to our communities

1924  2024

Who We Are

President:
Kermit Carlson W9XA

Vice President:
Dan Nolan WA9FRY

Secretary:
Art Shuter NN9I

Treasurer:
Dan Harmon WA9YKK

Director :1
Will Sperling W9WSS

Director: 2
Pat Brod K9ANL
Director 3

Paul Mitchell KC9SEB

Director 4
John Greusel KC9OJV

Past President:
Terry Todd W9AUU

Programs:
Paul Mitchell KC9SEB

Education / VE:
Dan Nolan WA9FRY

License Trustee (W9CEQ):
Kermit Carlson, W9XA

License Trustee (W9NE):
Denny Barfuss W9HI

Newsletter Editor / PR:
Jerry Chapman N9JLC

Webmaster:
Mark Van Daele K9MEV

Membership Database:
Curt Sauer, W9YNP

Net Coordinator:
Curt Sauer, W9YNP

About Us

The Fox River Radio League, Inc. is a general interest Amateur Radio club serving the central Fox River Valley area in Illinois. Club records indicate the club has been in existence since at least 1924, and it has functioned continuously ever since. We are an ARRL Special Service Club, an Illinois not-for-profit corporation, and a 501(c)(3) tax exempt organization as specified in Federal IRS Statutes.

We sponsor training classes for those seeking a new or upgraded Amateur Radio license, license examination sessions, and participation in various local Public Service events. Our membership covers a broad variety of interests - if you have a specialized amateur radio interest, you will likely find camaraderie with one or more of our club members.

We meet on the 2nd Tuesday of every month at Bethany Lutheran Church, located at 8 S. Lincoln St. in Batavia, Ill. The meeting begins at 7:30 PM and includes a short business portion, social time and a program presentation of interest.

Meetings are open to the public. Anyone interested in the amateur radio hobby are invited to attend. Family members are welcome.



Fox River Radio League

Mailing Address:
P. O Box 673
Batavia, IL 60510-0673
Email: info@frrl.org
Website: <http://www.frrl.org>





From
the desk
 of....

FRRL President



Kermit Carlson

Field Day is now upon us ! The premier operating event of the Ham Radio calendar is just a few weeks away. If you have never operated HF, this is an excellent time to start. For the seasoned operator there is no better way to renew the spark of real enthusiasm for the hobby. This month's FRRL Meeting program on the FRRL Field Day plans will be presented by Patrick K9ANL and Danny KD9WDW.

The FRRL 100th Anniversary operating event started June 1st. This is a great opportunity to celebrate our Centennial Year from your own shack - or even portable from a park using the club callsign W9CEQ. Details are on the FRRL website.

Next month's program will feature Rob Orr, K9RST, of Ham Radio Chicago. Not just another ham radio club, HRC is a support group for large public service communications events such as the Chicago Marathon.

If you are interested in participating in public service event there are several opportunities in the near future;

Elmhurst Memorial Day Parade (5/27): Contact William Draheim (wd9end@gmail.com)

Wheaton 4th of July Parade (7/4): Contact Michael Wilson (n0mo@n0mo.info)

Bank of America Chicago Marathon (10/13): Email Rob Orr (k9rst@hamradiochicago.org).

Look for you on the air !

**President Carlson
 Welcomes Our
 New Members !!**



Call Sign	Name	License
KG9H	Frank Krozel	Amateur Extra
WB9DPF	David Smith	General
W9TMX	Jorge Carrillo	General
KC9STI	Peter Brown	Amateur Extra



ARC OVER

FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES May 14, 2024

Minutes of the Regular Meeting of the General Membership of the Fox River Radio League (FRRL) an Illinois not-for-profit Corporation

Meeting Minutes May 14, 2024

The May meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 50 members in attendance and 6 members attended via Zoom.

The meeting was called to order at 1930 CDT by President Kermit Carlson, W9XA

All Board members were present except for Secretary Art NN9I.

Minutes: Acceptance of the April 2024 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion: Curt W9YNP 2nd by Dean KC9EOQ

Treasurer's Report: Dan WA9YKK reported the account bank balances as of May 6, 2024.

Reports:

100th Anniversary Committee: Evelyn, W9EVE advised that the committee is "moving along". The ticket pricing was explained and so far, fifty (50) people have signed up to attend. Members were encouraged to pay by cash or check as there is a \$3.00 PayPal fee. A press release will be put out about the 100th anniversary. Also, the new banner will be displayed at the dinner and on Field Day. We are now looking for donations for pop, water and door prizes. The 100th anniversary banquet will be held on Tuesday September 10, 2024.

Special Operating Event: Gary K9MMS June 1st to 15th. Operators can sign up online. Gary explained the sign-up, operating, and logging procedures. There are also guidelines for operators. Gary displayed the QSL card and certificates that can be requested for a QSL confirmation.

Club Activities: Paul KC9SEB advised that tonight's program is about Meshtastic an off-grid communications device. The June program will be preparing for Field Day. He has been approached about doing some outside activities such as a POTA activation or doing the anniversary special event from a park.

Field Day: Patrick K9ANL advised we will be 8-A this year! Slides of the layout and operating positions of each band were displayed.

Membership/ Database: Curt W9YNP advised we currently have 156 members.

Education: Dan WA9FRY advised the Technician class on Zoom is going well and has approximately 11 students. Some students are from out of state!

VE Update: Denny W9HI advised the next VE session is Thursday May 16th. VE's are needed to attend.

Public Information Officer: Jerry N9JLC advised that invites have gone out to public officials re: Field Day

Technical: John KC9OJV updated the status of the bypass filters to use at Field Day.

Repeater: Kermit, W9XA advises that all repeaters are operating normally. There is a possible site for the 220 repeater. This is in progress.



Old Business:

Logo Wear Ad-Hoc Committee: Kermit W9XA advised there was a delay in shipping the shirts. They should be available at the June meeting.

Surplus Equipment Ad-Hoc Committee: No change of status.

New Business:

National Night Out-2024: There was much discussion about this event to be held on Tuesday August 6th. We have participated before in Campton Hills and Elburn. Jerry N9JLC also suggested having a booth set up at the Kane County Sheriff event at the Kane County Judicial Center in St. Charles. The purpose is to promote and demonstrate amateur radio to the public. If there are enough volunteers we will try to cover all three places. (It was noted by Kermit that the BOD meeting will be moved to August 7th, the day after NNO)

Announcements from the Floor: Mike Wilson N0MO spoke briefly about HamRadioChicago.org. This group provides radio communications for the Tour de Cure that starts in St. Charles. There is an online sign-up sheet for those interested. Chris KC9IEQ displayed a 2/3 scale of the Wolf Hung Award he found on Facebook marketplace. This item is from the 1938 ARRL Convention.

Adjournment:

The meeting was adjourned at 2100hrs CDT motion by Roger W9YU; Second by Tamie KC9LWX

Upcoming Events:

May 20th Newsletter Deadline

June 5th BOD Meeting

June 11th Membership Meeting

June 20th Newsletter Deadline

Respectfully submitted,

Dean Holste, KC9EQQ














Acting FRRL Secretary



2024



FOX RIVER RADIO LEAGUE

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2 INFORMAL ALL OPR NET 1900	3 CW NET 28.150 2000  SSB NET 28.720 2030	4 1900 FRRL BOD Meeting 1930 FRRL 2m Net	5 1930 FRRL 220 Net 223.86 - 110.9	6 D-Day WWII	7	8
9 INFORMAL ALL OPR NET 1900	10 CW NET 28.150 2000  SSB NET 28.720 2030	11 1930 FRRL Membership Meeting No Net	12 No 220 Net	13	14 Flag Day 	15
16 	17 CW NET 28.150 2000  SSB NET 28.720 2030	18 1930 FRRL 2m Net	19 1930 FRRL 220 Net 223.86 - 110.9	20 NEWSLETTER DEADLINE	21 Field Day Set-Up 	22
23 	24 CW NET 28.150 2000  SSB NET 28.720 2030	25 1930 FRRL 2m Net	26 1930 FRRL 220 Net 223.86 - 110.9	27	28	29
30 INFORMAL ALL OPR NET 1900				MEMBER MEETING BETHANY LUTHERAN CHURCH 8 SOUTH LINCOLN ST. BATAVIA IL		
 WCRA 2m Net 8pm 145.31 -6 107.2	 VARA 2m Net 8pm 146.79 -6 107.2	 FRRL 2m Net 7:30pm 147.21 +6 103.5	 Kane County ARES 2m Net 6:30pm 145.47 -6 103.5	 Northern Illinois ARRL 70cm Net 7:30pm 444.875 +5MHZ, 114.8		

ARC OVER

NEWS AND INFORMATION CENTER *Local - National - International*

FRRL Groups.io Group Message Board

By Curt Sauer W9YNP

The FRRL has an active mailing list group on Groups.io. Members in good standing are eligible to join the mailing group. You should receive an invite upon joining the group to the email listed in your application.

Your active club membership is required to be a member of our Groups.io group.

The group provides the following features:

Messages/Mailing List

View the calendar

Access to files including the club Bylaws and Membership Roster

Access to photos submitted by members. Great for sharing projects you're working on!



How do I join?

When your FRRL club membership is confirmed you will receive an email invite from Groups.io. The club membership form requests an email to be used by the club or members to contact you for club or ham radio related subject. If you already have a Groups.io account under a different email and wish to combine them there is a second field for that email. If it is filled in, you will get the invite in that email.

When you join, you can choose a profile you'd like to display to the group, select the email address at which you'd like to receive group messages, choose how you receive group messages, and more. You can receive messages via email or by reading the message boards within the group.

If you have questions or changes please contact the Group Administrator: [GroupAdmin \[at\] frrl.org](mailto:GroupAdmin@frrl.org).



GOUPS.IO - It's more than just messages.

When you first login to your groups.io account, at <https://groups.io> , you will be presented with a list of the groups that you belong to.

Click on FRRL|Members

You will now see the groups messages in the right window pane and the navigation pane on the left.

Messages are the bulk of what we share and there are a lot of them. The web page has a very useful search function to find exactly what you want.

The following are a few sections that some members may not be aware of.

Photos:

Members may share photos of Ham related activities here.

Show us a picture of your shack or your latest restoration/repair.

As long as it's Ham Radio related you can put a pic here.

Just click on the "New Album" button to add your photos.



Calendar:

This doesn't have much in it at the moment, just meeting and Net reminders, but more is planned.

Files:

This is where the important things are stored.

Example, the club roster is located in a directory called "Roster_and_ByLaws"

If you can't sleep and want to read the club's ByLaws, they are here as well.

Many of the presentations given after the meetings are also here.

Between GROUPS.IO and the club web page at <https://frrl.org> you are sure to find the FRRL information that you are looking for.

Thanks to Curt (W9YNP) for providing the information about Groups IO

The following files and folders have been uploaded to the Files area of the Members@FRRL.groups.io group.

/FRRL Previous Program's/[FRRL_Meshtastic_Program_Presentation_5_14_2024.pdf](#)

By: KC9SEB / 070: #1579 / 10:10: #76773 / EPC: 19755 <kc9seb@gmail.com>



From the 1969 ARRL "Radio Amateur's Operating Manual":

Every amateur should know and tremble at the history and origins of this fearsome instrument for punishment of amateurs who cultivate bad operating habits and who nourish and culture their meaner instincts on the air...

This is the Wouff Hong.

It was invented -or at any rate, discovered- by "The Old Man" himself, just as amateurs were getting back on the air after World War One. "The Old Man" (who later turned out to be Hiram Percy Maxim, W1AW, Co-founder and first president of ARRL) first heard the Wouff Hong described amid the howls and garble of QRM as he tuned across a band filled with signals which exemplified all the rotten operating practices then available to amateurs, considering the state of the art as they knew it. As amateur technology and ingenuity have advanced, we have discovered new and improved techniques of rotten operating, but we're ahead of our story.



As The Old Man heard it, the Wouff Hong was being used on some hapless offender so effectively that he investigated. After further effort, "T.O.M." was able to locate and identify a Wouff Hong. He wrote a number of QST articles about contemporary rotten operating practices and the use of the Wouff Hong to discipline the offenders.

Early in 1919, The Old Man wrote in QST "I am sending you a specimen of a real live Wouff Hong which came to light out here . . . Keep it in the editorial sanctum where you can lay hands on it quickly in an emergency." The "specimen of a real live Wouff Hong" was presented to a meeting of the ARRL Board and QST reported later that "each face noticeably blanched when the awful Wouff Hong was . . . laid upon the table." The Board voted that the Wouff Hong be framed and hung in the office of the Secretary of the League and there it remains to this day, a sobering influence on every visitor to League Headquarters who has ever swooshed a carrier across a crowded band.

The Old Man never prescribed the exact manner in which the Wouff Hong was to be used, but amateurs need only a little imagination to surmise how painful punishments were inflicted on those who stoop to liddish behavior on the air.

The Wouff-Hong



The Wouff-Hong is used to enforce law and order in Amateur Radio operating work.

However, the amazing "show and tell" item that put this meeting above all others was the Wouff Hong on display! Thanks Chris! Incredible... from the early days of "The Old Man's" delightfully presented and ominous reminder of maintaining good operating practices just after WWI.

Greg Braun N9CHA



Chris showing his Wouff Hong



Kermit Carlson with the Wouff Hong



WIRES-X IS BACK



WIRES-X is up and running on the 147.225 repeater.

The bugs have been squashed and the system is working as expected.

The node name was changed from W9CEQ-ND to W9CEQ-RPT so you may lose your saved settings.

Please give it a try - we think you will be pleased.

73,
Curt



If you have any memorabilia about the club please contact:

Chair [Eve Schneider W9EVE](#)

**PAY OR RENEW
MEMBERSHIP DUES
OR
REPEATER DONATION
ON LINE HERE**

Membership rates are as follows:

REG: Regular dues are \$30.00 per year,

FAM: Family dues are \$40.00 per year (family members at the same address)

SRC: Senior Citizen dues (65 and older) are \$25.00 per year,

STU: Student (Full time, under 22) dues are \$25.00 per year.

MIL: Active Military dues are \$25.00 per year.

You can also help support the FRRL Repeaters by making a \$10.00 (or more!) annual contribution.





Fox River Radio League 100th Anniversary Special Radio Operation Event



Using club call W9CEQ The Fox River Radio League is celebrating its 100-year anniversary in 2024. As part of the celebration, the club call sign W9CEQ will be heavily activated for a two-week period.

Time Period: June 1 (0001 UTC) through June 15 (2359 UTC), 2024

Modes: CW, Phone, Digital

Frequency Bands: HF, 1.8 to 29.7 MHz ; VHF: 50-54 MHz

The announcement of this operation as shown on the ARRL Special Events website lists: 7.035, 14.035, 7.260, and 14.260 MHz as suggested starting frequencies.

The FRRL club call W9CEQ will be used by many members of the club while operating from their home stations. The above-listed frequencies are just reference starting points. The club members operating using W9CEQ will be encouraged to use a wide variety of frequency bands and multiple modes. The range of frequencies was chosen with the hope of encouraging amateur radio operators with various classes of licenses to participate and work W9CEQ.

To locate W9CEQ on the air, check some of the commonly-used DX cluster spotting websites. W9CEQ operators are encouraged to self-spot their radio operations to assist other stations seeking to contact the club call. To help with the overall activity, if you find and work this station, please also consider spotting them on one or more of the commonly-used "clusters." When posting, use a format such as W9CEQ FRRL 100 YRS

Contacting W9CEQ multiple times is encouraged – using different bands and/or modes. Please keep a log of all your contacts with the club call. Special, commemorative QSL cards and certificates will be made available for everyone contacting W9CEQ during June 1-15.

QSL / Certificate Request Procedures:

For all requests, Include a copy of your log data for all of your QSO/s with W9CEQ.
(Name, address, call sign, date, time (UTC, please), band / frequency, mode, and signal report)

QSL: (Everyone) Send SASE to W9CEQ FRRL, P.O. Box 673, Batavia, IL 60510

CERTIFICATE:

- (A) For FRRL members contacting W9CEQ:
Submit your request to W9CEQ FRRL, P.O.Box 673, Batavia, IL 60510.
Hopefully, you can take delivery of your certificate at a regular FRRL club meeting. If you prefer to have your certificate mailed, please include an SASE with your request.
For a non-folded certificate, include a 9x12 inch SASE.
For a folded certificate, include a number 10 business-sized SASE.

- (B) For non FRRL members contacting W9CEQ:
Submit your request to W9CEQ FRRL, P.O.Box 673, Batavia, IL 60510.
Include \$5 to cover the cost of materials and postage.



Gary giving information to Roger

FRRL Members who would like to operate as W9CEQ during the special event:

Please contact K9MMS, Gary Hornbuckle, via K9MMS@arrl.net and provide the following information:

1. Your call sign and first and last name.
2. Your estimated level of participation:
Number of days of operation and goal for quantity of QSOs to make
Your preferred frequency bands and modes of operation for the event
3. The method of logging that you plan to use. Computer logging is preferred.
A logging program that can export a Cabrillo or ADIF log file is preferred.
If you are not set up for, or familiar with, computer logging, you can use paper logging.
I would like for any manually-generated paper logs to be limited to less than 50 QSOs.
If you plan to use paper logging, I have prepared log forms that you can request via email.
All times of logged QSOs must be in UTC.



PLEASE NOTE:

FRRL members should not operate on 6 meters as W9CEQ during the ARRL June VHF contest that is scheduled to take place from 1800 June 8 Saturday to 0259 June 10 Monday.

Again, all requests to serve as a W9CEQ Special Event operator should be submitted to K9MMS, Gary Hornbuckle, via email using K9MMS@arrl.net All such requests will receive a reply which includes detailed written instructions for W9CEQ Centennial event operators. If a manual logging form is requested, it will be included in the reply.

It is planned to have an operator, sign-up, calendar facility made available on the FRRL website in the next few weeks. That would enable W9CEQ operator volunteers to select and reserve date/time slots, which could be publicly viewable.

All W9CEQ Special Event operators should submit their logs to K9MMS via email no later than June 30, 2024. This will greatly help with the collection, organization, and review of log data and with the preparation of 100th Anniversary QSLs and certificates.

W9CEQ special event operators who operate from their home stations, using the club call sign, and make over 100 QSOs may possibly receive a special award in addition to a commemorative FRRL centennial certificate. The possible implementation of this is currently under consideration.

Summary notices of this event are to be posted on the FRRL website as well as the W9CEQ page on QRZ.com call sign database.

All licensed amateur radio operators who make one or more QSOs with W9CEQ during June 1-15 will be eligible to receive a commemorative FRRL Centennial certificate. Obviously, this includes FRRL members as well as any non-club members. The plan is to have two versions of certificates: (1) Anyone contacting W9CEQ, and (2) FRRL members who use their station to operate as W9CEQ.

After the W9CEQ operators logs have been submitted and reviewed, and after a significant number of requests for QSL cards and/or certificates have been received, there may be a call

for FRRL members to volunteer and assist with the processing of QSLs and certificates and to prepare them for mailing.

For questions or more Information, contact K9MMS Gary Hornbuckle via K9MMS@arrl.net

73,
Gary . K9MMS



W9CEQ special event:

As previously announced a couple of months ago, an FRRL Centennial special radio operating event using W9CEQ will take place from June 1 through 15. FRRL members are invited to operate from their home stations using the club call.

The June issue of QST magazine lists this event in the section on Special Event Stations (p. 94).

To date, there has been very little response to the invitation to participate and the offer to supply more information about this event. The event is only a little over two weeks away, and we need to be ready to be on the air using W9CEQ.

Tonight at the FRRL club meeting, during the 100th Anniversary report segment, I plan to present detailed information about the special operating event. The presentation will include an overview, how to sign up to operate using W9CEQ (both online and manual / paper methods), logging preferences, submission of operator logs, and how to obtain commemorative certificates and QSL cards.

I will also bring a paper sign-up schedule and schedule reminder slips so that members can sign up to operate during the event, and they can take home a "memory-jogger" slip with their time-slot selections. After the meeting, sign-ups made on the manual schedule will be entered into the online / master version.

Signing up to operate as W9CEQ is not mandatory; however, it will greatly help everyone to use this procedure to prevent confusion and help things go smoothly. The schedule will be helpful both to W9CEQ operators and to FRRL members seeking to make QSO/s with the club station to qualify for obtaining a commemorative centennial certificate and QSL card.

I will also share highlights of the 6-page W9CEQ Special Event Operator Instructions and Guidelines. FRRL members who plan to operate as W9CEQ during this event should please read this document in its entirety. It includes information of how to participate in the event as well as offering suggestions for on-the-air procedures for CW / Morse, Voice, and Digital modes of operation.

The online (EXCEL) spreadsheet operator sign-up calendar has been implemented by FRRL webmaster Mark K9MEV (Thank You, Mark). This is not a public file; rather, it can only be accessed by FRRL members using a hyperlink provided to them – thus, one of the reasons for this message.

The online spreadsheet / operating calendar is accessible via:

<https://1drv.ms/x/s!AhCQJ5Q1zw8DgeguYynvnV8Sey5pTQ?e=GUTPzf>

This same link is also contained on page 1 of the 6-page Operator Instructions and Guidelines document. The instructions document can be accessed and saved and/or printed via a hyperlink in the heading portion of the spreadsheet.

The link may not immediately respond if you left-click on it. If that is the case, right-click on the linked file name, and follow resultant menus to open the link. You can also print the file, but you may need to perhaps "drill-down" a bit to do that. I did that, so I know it works. Some patience may be required, so I apologize for that.

Note that there are multiple file names with hyperlinks at the top heading area of the sign-up calendar **spreadsheet**. **Follow a similar procedure to access those files.**

[W9CEQ Op Instructions-Rev6.doc - 6 pages of instructions and guidelines](#)

[Log Sheet 1-3.xls - Form for paper logging -- 3 sheets for 50 QSOs\)](#)

[Log Sheet 20 Qs.pdf - Form for paper logging 20 QSOs with QSO numbers](#)

[Log Sheet Blank.pdf - Form for 20 QSOs -- no QSO numbers](#)

[OP REMINDER SLIP.doc - Reminder slip for operators to jot down their entries from the master spreadsheet](#)



FRRL Members who operate as W9CEQ during the special event Certificate & QSL Card



FRRL 100th Anniversary Certificate GREEN

This one is available to anyone who makes one or more QSOs with W9CEQ during the event. It is identifiable via the green border. In order to receive one of these, it must be requested by sending a request to the FRRL club mailing address along with a copy of the data showing QSOs with W9CEQ.



FRRL 100th Anniversary Certificate GOLD

This one will be prepared and given to all FRRL members who operate using the club call W9CEQ during the special event. It is identifiable via the gold border.



W9CEQ Fox River Radio League		CENTENNIAL CELEBRATION 1924 - 2024				SPECIAL EVENT JUNE 1 ST -15 TH
Confirming QSOs with	Date MD/Y	UTC	Band	Mode	RS(T)	Operator

The Fox River Radio League was established in 1924 as a club offering a wide variety of activities and services to the amateur community. The Club serves the greater Fox River Valley amateurs in northeastern Illinois. In the early 1920's, a group of young high school students, mostly from the Aurora area, began the technological journey of wireless experimentation at a very exciting time in history. Those interested in the new technology learned the fundamentals of radio in local high schools. Wireless clubs in the 1920's were very popular with both boys and girls. Those who were intent on transmitting as well as receiving, needed to obtain a license. So, they traveled to the Chicago US Custom House to sit for the license examiner who would conduct tests. Radio theory and the ability to both send and receive Morse Code were required. Little did these young experimenters know their efforts to build a club would have continued on for a century. The FRRL is an ARRL Affiliated Club and a Special Service Club. You'll find us on the air during Field Day using W9NE in honor of one of our founding members. Our GOTA station uses W9CEQ.

Fox River Radio League
PO Box 673
Batavia, IL 60510
www.FRRL.org



Thanks for the QSO/s
QSL: PSE TNX
73,

The commemorative QSL card is available to anyone who makes one or more QSOs with W9CEQ during the special event. In order to receive one of these, it must be requested by sending a request to the FRRL club mailing address along with a copy of the data showing QSOs with

Note: All requests for a QSL card should include a Self Addressed Stamped Envelope.

Complete instructions on how to submit certificate and QSL card requests are on the FRRL website and on the W9CEQ page on QRZ.com.



Tour de Cure



The 2024 American Diabetes Association Tour de Cure will be held on **Saturday, August 10th** and the registration is now open.

As in 2023, the Start/Finish will again be at Pottawatomie Park in St. Charles and the courses are expected to be similar to what they were last year.

[Chicagoland Tour de Cure HAM TEAM Registration](#)

<https://bit.ly/TdC-2024>

Date: Saturday, August 10th, 2024

Start/Finish: Pottawatomie Park, 8 North Ave, St. Charles, IL 60174

Courses that we support: 63 Mile, 30 Mile, 12 Mile, and 5 Mile.

Event Hours are: 6:30AM to 3:00PM; though your actual shift may vary.



If you'd like to volunteer
- please click on the links
above

Mike Wilson N0MO

mike@hamradiochicago.org

Arc Over – June 2024

Submitted: May 21, 2024

By: Greg Braun, N9CHA

*Thank You,
Dad!*

“Thank You, Dad”

My father Chuck WD9GWW (SK) was and still is my hero. I am very fortunate, there are some boys and girls who may not be able to say that, but I am very proud to be able to say he most certainly shaped the life I enjoy today.

The Hamvention®, or “Dayton” 2024 is over for another year. I had the pleasure of attending with our club’s President, Kermit Carlson W9XA. This was not my first pilgrimage, I’ve been to Dayton a few times before, and always with either my brother Dale W9DKB, or friends I have made with fellow FRRL members. Each time is a little different. However, this year was very special. My Dad (in spirit) was with me every step of the way.

Why? The theme I picked up on at the ARRL booth, the lectures given at the forums, the speeches delivered at the evening dinners were largely about mentors, and of those mentors, our fathers. The hobby we enjoy today is due to our fathers and grandfathers’ efforts to keep it relevant and to pass down the traditions, and encourage us to get involved to make it better for our generation.

As ARRL President, Rick Roderick, K5UR said in his keynote speech at the ARRL Donors Dinner, “It’s time to pass the baton to the next generation.” This, my fellow FRRL members, has been especially true for the past 100-year history of our club. The very fact we can celebrate our Centennial is because of those who have gone before us, those who have practiced, “passing the baton” to the next generation.

Stringing up our first dipole, my brother and I had to “slingshot” a fishing weight over the tallest tree branch in the back yard. I can still hear my mother yell out from the back door, “you be careful with that thing, you can put an eye out!” Dad was there supervising. He quickly turned to mom and defended our operations with a single look. We knew we had instant authority to get that weight as far up that tree as we could! (No matter how much our little arms shook as we tried to aim for the perfect branch.)

Going to Dayton, and meeting many friends from the FRRL caused me to reflect on my past and amateur radio. Have I done enough? Have I motivated younger hams? What have I done to “pass the baton” to the next generation? Can I do more?

Take a moment to thank your dad, or perhaps your mentor. Hug him if you can. Bow your head and say a silent thanks. It only takes a second. If you, like me, begin to weep a little bit... well, that’s just fine. Every speech I saw at Dayton included a moment when the speaker had to take a pause to wipe the tears from his eyes, openly showing emotion in front of hundreds of his peers when they mentioned their dad. Please, pass the baton.

73, Greg N9CHA



FRRL – “Can’t Ever Quit” – Behind the Scenes – NN9I Art Shuter

Date: April 17, 2024

By: FRRL 100th Anniversary Committee

Re: “Behind the Scenes – Art Shuter NN9I”



Art NN9I at his electronic keyboard performing the theme "Can't Ever Quit" which is being used for the FRRL history video being produced for the Centennial Banquet in September. Art scored and performed the music as fellow club member Patrick K9ANL recorded the session in April.

"I decided to tune my piano one night, because I have perfect pitch, and found out after four hours, you really have to know what you're doing. You can't just do it!" said Art NN9I. "I signed up for a 9-month class, held every Saturday, to learn how to tune pianos." That was back in 1971, and now 53 years later, Art continues to apply his craft for his thankful customers.

Recollecting on how Art got into music, he said, "When I was 4, I was sitting at the piano and started picking out songs, and my Mother said, 'really?'" She had no idea her young son had the gift of perfect pitch. If Art hears a song or melody, he can turn to the keyboard and play it. "My mother started me out on piano lessons," he said, "and wouldn't let me quit (sound familiar) until I graduated from College with a piano education."

Tuning a piano one day for John Olsen KG9F from Downers Grove, Art was introduced to amateur radio. "On one end of the room was the piano, on the other was a ham radio station," Art remembered. "I went through

CB radio when I was 18 and all that so I was interested. I asked John to tell me about ham radio.” John quickly provided Art with a study guide and promised to conduct the Novice exam a week or so later.

Art commented, “It’s all frequencies.” Within the next year or so, Art studied for his General and passed the exam. Holding the ticket KA9QQF gave him fits. “I’ve always had trouble deciphering between the Q and the F when receiving code,” Art lamented. “And the FCC gave me a callsign with both!” It wasn’t long before Art passed his Advanced test and changed his call to KD9KI. He was constantly being encouraged by his mentor and friend John KG9F to keep going, and so he did, by passing his Extra class ticket! Art now has the call NN9I.

When asked how Art had heard about the FRRL, he said, “I got to be good friends with Rod Peterson, N9AKE. I had tuned his piano and I guess we just hit it off.” In 1984, Art joined the club and began attending meetings. In 1985 Art was encouraged to run for Secretary of the FRRL and won the election. He even ran our Field Day activities that year at Mooseheart. “They said, ‘Art, you’d make a great Field Day Chairman!’ I didn’t have a clue what Field Day was,” Art remembered. “The participation was amazing, it really was! This was the time when we used to put up 40’ towers with beam antennas.”

The next year, 1986, Art was our club’s President. “We did some creative things at the club meetings outside of ham radio. We asked people to bring in the talents that they had. What ever you do and like to do, bring it in,” he said. “One lady brought in Origami and she had everyone making things using paper and Origami techniques.” Art went on to say, “One fellow played the clarinet, and I brought in my keyboard. We had generally 60-70 people attend the meetings.” Art had to step away from club activities for a time in order for he and his wife to raise their family.

Art re-joined the FRRL in 2020 during the pandemic because he had more time for radio due to his piano customers not being allowed to have him in their homes. Art was elected to serve as our 2022, 2023 and 2024 club Secretary.

“My favorite part of the hobby is Parks On The Air,” he said. “My wife Amy (N9GFG) and I enjoy the outdoors so we often visit several parks.” Art uses his IC-705 and activates a park on CW, his favorite mode. During a vacation trip to Florida earlier this year, Art and Amy drove over to nearby Gulf Shores, Alabama and activated Gulf State Park, POTA US-1042. “Oh my gosh,” Art remarked. “It was like operating DX, everyone wanted that Park!”

A special thanks to Art and his family for their contributions to our club. You’ll have to stop in and visit with him at the 80-CW station this year during Field Day. Have a seat and do some logging, or get behind the key and make a few contacts! And as a special treat, the next time you listen to the theme song, “Can’t Ever Quit” which Art wrote and performed, pay particular attention to the way he put the notes together. You’ll be very surprised what he was able to do with 5 special characters we all know so well. As Art said, “You will recognize them if you know what you’re listening for!”



The Fox River Radio League invites our members and their guests to join us for our 100 Year Anniversary Celebration on
Tuesday, September 10, 2024.

Tickets are \$30 in April and May, then \$35 from June until they sell out.

We have a limited amount of seating available.

This is your opportunity to register and purchase tickets for yourself and your guest(s).

Please [click here](#) to register for the 100 Year Anniversary Celebration.

Please [click here](#) to pay via PayPal.

If you have any questions or would like to help out, please contact Evelyn Schneider, W9EVE, at vicepresident@frrl.org.

Evelyn, W9EVE

100 Year Anniversary Committee Chair

630-417-4849





Fox River Radio League ARRL Field Day - 2024



Come join the Field Day fun....

What is ARRL Field Day ?

Field Day is Amateur Radio's Open House.

On the 4th weekend in June, over 40,000 hams in North America set up temporary transmitting stations in public places to demonstrate amateur radio. Whether you are a seasoned Ham , newly licensed, or curious about Amateur Radio come out to our Field Day site and operate. Come join us at Field Day, help setup on Friday, operate Saturday, Sunday and take down on Sunday PM. Emergency preparedness is the game !! Operate our GOTA (Get On The Air) station. Everyone is Welcome !!

2024 - ARRL FIELD DAY Dates:

Start Operating: **Saturday June 22, 2024** at 1pm Local Operate continuously till Sunday

End Operating & Clean Up: **Sunday June 23, 2024** ENDING 1pm Local Cleanup till 4pm

FRRL needs people to help at our Field Day event. If you're interested, even for a brief time, please contact Field Day Chairman Pat Brod, K9ANL or Danny Nichols KD9WDW email: fieldday@frrl.org or come join us, meet new hams, work new Radio Frequencies, and have some summer fun !!

Come join us: OPEN TO THE PUBLIC

FRRL - FIELD DAY - LOCATION:

LeRoy Oakes Forest Preserve
37W700 Dean St.
St Charles IL

Check our our web page or listen to our W9CEQ repeater for more information.

FRRL Analog 2 meter repeater:
147.210 Mhz, +600KHz 103.5 PL
FRRL Website www.frrl.org or
<https://www.frrl.org/field-day.php>



To all FRRL members,

I'd like to announce that FRRL has begun planning 2024 Field Day and Danny and I will be scheduling regular meetings (regularity TBD).

We are looking for people to volunteer full-time or part time for 2024 Field Day. FRRL Field Day is June 22nd and 23rd held at LeRoy Oaks Forest Preserve in Saint Charles, IL. Follow up emails with location maps and times to be provided in May and June.

If you are interested in any of the positions listed below please contact me and Danny Nichols via email:

* Patrick Brod (K9ANL) – email: kb9anl@yahoo.com, Phone: 630-853-5190

* Danny Nichols (KD9WDW) – email: tdjack97@outlook.com



The following positions available are:

* **Band Captains** - CW & SSB operators. There will be seven (7) different band stations available to each have a captain to lead and organize their station. Note, only have three or four band stations of the seven available. A Band Captain is a dedicated leader to contribute most of the communications equipment and maintain their assigned station operations for the duration of Field Day (e.g., Saturday and Sunday).

* **GOTA Captain & Public Information Table** – Get On The Air (GOTA) station is where you'll meet visitors and explain Amateur Radio and Field Day with hands-on radio communications.

* **W1AW Bulletin** - Assign a CW resource to copy W1AW bulletin for extra points. Same resource for Message Handling?

* **Food Coordinator** – Oversee all full-time & part-time Field Day participants have water, pop, and snacks as well as organize main meals. FRRL has already purchased catering for main meals (e.g., Saturday dinner and Sunday breakfast). Person(s) should ensure other food (e.g., Friday night staging and Saturday lunch) or drinks have been arranged.

* **Safety Officer** – Ensure overall safety of Field Day attendees full-time, part-time, or visitors.

* **Promotions & Communicator Director** – Work with FRRL Public Relations to promote FRRL Field Day activation to the general public via active, recognized social media platforms (e.g., Facebook, Twitter, Instagram, etc.). Additionally, proactively seek out elected government officials to visit FRRL's Field Day event.

* **Educational Officer** - Provides an Amateur radio education activity for visitors. This person would also be responsible for youth participation at the GOTA station if we happen to have some visit. Last year we had a whole Boy Scout troop earn their Radio Merit Badges.

* **Event Volunteers** - Part time members to help perform miscellaneous tasks and participate at various radio stations if desired. We always need help setting up and tearing down antennas, tents, cabling, etc.

Thank you,

Patrick - K9ANL, 2024 Field Day Chairman

Danny Nichols - KD9WDW, 2024 Field Day Chairman

**FIELD
Day
2024**





2024 Field Day Map

Actual placement of band locations may differ



Get On The Air !!



FRRL Field Day Set Up

Starting at 9am Friday June 21st.

Public Storage
248 N Randall Rd
St Charles IL



Meet Dan Harmon there



Field Day

On Site Communications

444.300 114.8 PL Simplex/Direct

I'm hoping that this will be special year to celebrate our 100 Year Anniversary at Field Day. Honestly, Field Day could and should be a precursor to the party later in the year.



That being said, I'm looking for an FRRL member who has experience at hosting or catering parties because I need an experience and creative person who enjoys ensuring main meals (e.g., Saturday dinner, mid-night chili, Sunday morning breakfast) and in-between meals people are staying comfortable with water, pop, or other soft-drinks as well as free available snacks while visiting, working various band stations, GOTA, or at the pavilion. I'm open to any other ideas, again being experienced and creative person that you are, you may have for food, snacks or drinks. You don't have to be at the Field Day grounds 100%, but would like this special person to be present during the day and sometime after dinner Saturday. If you can't be present at mid-night for chili, that would be fine.

Please contact me if you want to discuss further. Always welcome to hear from people with ideas too.

Thanks,

Patrick - K9ANL

email: kb9anl@yahoo.com

Cell #: 630-853-5190





**If You Have Anything
For Sale
To Trade
Looking For/Or
To Loan**



Advertise Here



This is an original Heath Kit full legal power tuner, it has very little use. It's got years on it but no wear and is like new. Supports coax, balanced feed lines, and wire antennas. Has a good ground point. I have the book (assembly manual) and maybe the original sales receipt. Asking \$125.



My other item is a Yaesu FT 270 with base charger, it can run from the charger/base station. I have the speaker mike, case and the portable power supply charger, the manual (copy), and the original sales receipt from the DesMoines Ia. Hamfest. It does need a new battery (will run on the base charger) I have the battery case if you want to build your own. It can support a tone board for one tone. Batteries America had the battery. This HT is built like a tank very sturdy. Asking \$75?

BONUS! This is really an antique, make an offer!
Bought this in Cleveland Ohio about 1974 to replace a Motorola two way radio that dimmed the cars headlights when I keyed it up!



**Contact: Greg Copeland
copelandgreg@comcast.net
or
6306882208**



W9CEQ Radio Nets



Sunday
All Operators Net
1900 hrs (7pm) local time
147.21 103.5PL +600

Monday
1930 hrs (7:30pm) local time 28.420 USB Phone
2000 hrs (8pm) local time 28.150 CW
2030 hrs (8:30 pm) local time 28.720 USB Phone



Tuesday
1930 (7:30 pm) local time
147.21 103.5PL +600
Except for the 2nd Wednesday of the month



Wednesday
1900 hrs (7:00pm) local time
223.860 110.9kHz PL -1.6Mhz
Except for the 2nd Wednesday of the month.

New Time !!

We will have an informal net with checkins and a question of the day. The goal of the net is to encourage 220 usage along with getting to know your fellow 220 Mhz users so that we can exchange usage and coverage data to ensure that we have one of the best 220 repeaters in the area.



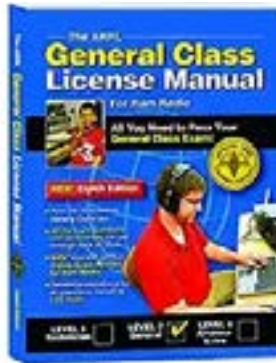
Technician Class

Wednesday Evenings
6:30 P.M. to 9:30 P.M.

Start: May 1, 2024
End: June 26, 2024



Tech & General classes are done on **Zoom**. The Meeting Link to be distributed prior to the class.



General Class

Thursday Evenings
6:30 P.M. to 9:30 P.M.

Start: TBD
End:

EXTRA classes are held in person at:

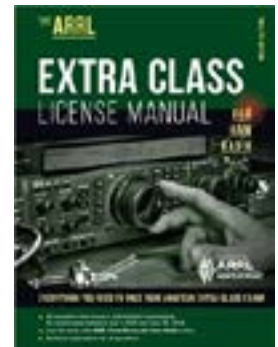


113 Oak St, North Aurora, IL 60542

Extra Class

Saturday Mornings
9:00.AM. to 12:30 P.M.

Start: TBD
End:



The Fox River Radio League (FRRL) presents regular training classes focused toward new Amateurs interested in gaining their Technician class license or upgrading to the General and Extra class licenses.

These are free courses where you will learn everything you need to receive or upgrade to the appropriate FCC radio license.

The textbook for the class will be the official ARRL License Manual. Books are available for purchase via the club at a discounted rate by emailing [education \[at\] frrl.org](mailto:education[at]frrl.org).

Classes are instructor-led, and you can expect engaging conversations to ensue around the topics of discussion.

In addition to our regularly scheduled bi-monthly testing we will be scheduling a dedicated VE session after discussing best availability with the class participants. For more information on VE sessions, please see [VE Test Sessions](#).

We are in need of

Instructors

If you are willing to teach a section or two contact education@frrl.org

Please Note that Tech & General classes are 9 weeks long..

Extra classes are 12 weeks long.

You can contact Dan Nolan at:

Education@frrl.org

if you have any questions

Students should read the material in advance of the class. Also bring an inexpensive calculator like a TI-30 x and a notebook and pencil or pen.



VE Testing

The FRRL, in conjunction with the ARRL VEC, sponsors regular amateur examinations the third Thursday of every March, April, May and June. Ad-hoc sessions are planned during major events and will be added to the schedule here as well.

Upcoming Testing Schedule:

May 16, 2024
July 18, 2024
September 19, 2024

Testing Location:
Geneva Lutheran Church
301 S 3rd St,
Geneva, IL 60134



Please also be sure to bring:

- Photo identification
- Your FCC generated FCC Registration Number (FRN).
- The fee of \$15.00. (The FRRL receives no portion of this fee.)



- If upgrading bring your original FCC HAM Radio License (or the documentation you received) and a photocopy of your license.

If you have questions about the testing program, please email the Chairman at: ve@frrl.org

Illinois Traffic Net



You can also participate in one (or all) of the Illinois Traffic Nets. Everyone is welcome with or without traffic. The nets are the North Central Phone Net, Daily (M-F) at 7 a.m. local time, on 3912 kHz LSB; the Illinois Phone Net, Monday – Friday at 4:45 p.m. local time, on 3857 kHz LSB and on Sunday at 8 a.m. on 3940 kHz; and the Illinois Sideband Net, Daily at 6 p.m. local time, on 3905 kHz LSB.





Out N About



June 1 | [Atlanta Hamfest](#), hosting the ARRL Georgia Section Convention, Marietta, Georgia



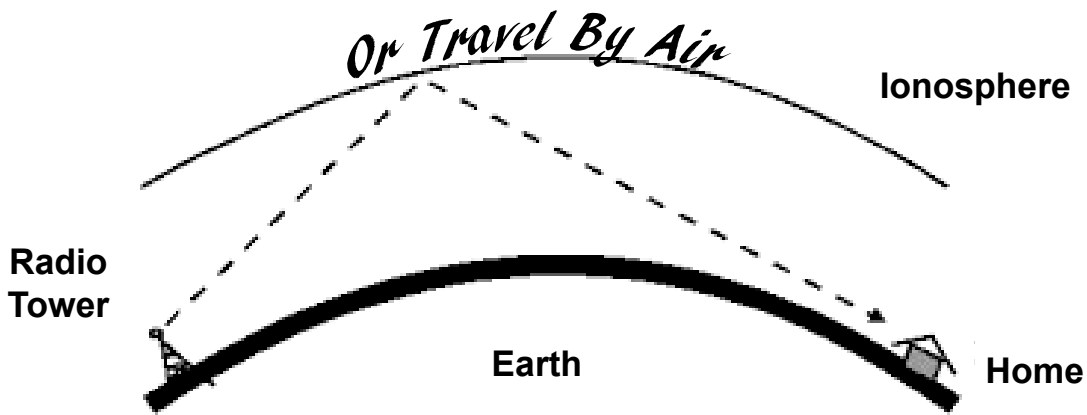
June 9 | [BreezeShooters Hamfest](#), hosting the ARRL Western Pennsylvania Section Convention, Butler, Pennsylvania



June 15 | [ARRL Maine State Convention](#) & Hamfest, Augusta, Maine



June 15 | [Knoxville Hamfest](#) and Electronics Convention, sponsoring the ARRL Delta Division Convention, Knoxville, Tennessee





Ham Fests

Illinois HAMFEST/CONVENTION

06/02/2024 - Starved Rock Radio Club Hamfest

Location: Mendota, IL

Type: ARRL Hamfest

Sponsor: Starved Rock Radio Club

Learn More

Three Sisters Park

HAMFEST/CONVENTION

<http://www.arrl.org/hamfests/starved-rock-radio-club-hamfest-5>



06/09/2024 - EgyptianFest

Location: Granite City , IL

Type: ARRL Hamfest

Sponsor: Egyptian Radio Club, Inc.

Website: <http://www.w9aiu.org>

Learn More



07/21/2024 THE KANKAKEE AREA RADIO SOCIETY'S

Location: Will County Fairgrounds, Peotone, Illinois

Website: <https://w9az.com/karsfest.html>



09/21-22/2024 Midwest Superfest

Location: Chilicothe Illinois

Website: <https://www.w9uvi.org/midwest-superfest/>



09/22/2024 CFMC Radio Expo 2024

Location: Boone County Fairgrounds Belvidere, Illinois 61008

Website: <https://chicagofmclub.org/cfmc-radio-expo-2024/>



STARVED ROCK RADIO CLUB™

AMERICAN RADIO RELAY LEAGUE SANCTIONED HAMFEST 2024



HAM RADIO, RC MODELS,
COMPUTER & ALL HOBBIES
FLEA MARKET 6AM-1PM
AMATEUR RADIO HOBBYIST &
COLLECTORS SHOW



SUNDAY, JUNE 2nd 2024
Indoor 8:00am to 1:00pm

MENDOTA TRI-COUNTY FAIRGROUNDS
503 1st Ave, Mendota, IL 61342

ARRL VE TESTING 9:30am to 11:00am
GRAND PRIZE CASH DRAWINGS **\$50-\$75-\$100** at 12:00noon

TICKETS \$8.00 ADVANCED (2 Stubs) or \$10.00 AT GATE (2 Stubs)
ALL ADVANCED ORDERS MUST BE RECEIVED BY MAY 20th 2024
GRAND PRIZE WINNERS NEED NOT BE PRESENT TO WIN.

- ✓ LARGE INDOOR EXHIBIT BUILDINGS - Indoor Setup: Sat 12noon to 6pm & Sun 6am to 8am
- ✓ TABLES \$10.00 ADVANCED OR AT THE GATE WITH FREE ELECTRICITY
- ✓ FREE OUTDOOR FLEA MARKET-TAILGATING AREA 6AM to 1PM
- ✓ ONSITE CAMPING-ELECTRICITY AVAILABLE - FEE BY FAIR BOARD
- ✓ HOURLY DOOR PRIZE DRAWINGS

FOR ADVANCED TICKET AND TABLE SALES OR GENERAL INQUIRIES: SEND A SASE TO
SRRC™ C/O Hamfest Chairman, PO Box 198, Leonore, IL 61332-0198
E-mail: starvedrockhamfest@gmail.com or see our internet site for latest info www.w9mks.org

I39 to Exit 72 US Rte 34, West to 1st Ave, South(Left) to Fairgrounds on Left.
GPS: N41.545580deg W089.108484deg (N41deg 32.735min (44.08sec) W089deg 6.509min (30.54sec))

TALK-IN by SRRC™ Repeater - W9MKS 147.120 +103.5PL
BREAKFAST and LUNCH ON-SITE BY CATERER

**To keep Ticket prices down, DO NOT dispose of unwanted equipment on the fairgrounds.
If it doesn't sell or you can't give it away- Take it Home!**

MAIL WITH PAYMENT & SASE ENCLOSED TO:

SRRC™ C/O Hamfest Chairman
PO Box 198
Leonore, IL 61332-0198

Make checks payable to SRRC™

Name: _____	QTY	ITEM	EACH	EXTENDED
Address: _____	_____	Advance Tickets	\$ 8.00	\$ _____
City: _____ State: _____ ZIP: _____	_____	Indoor Tables	\$10.00	\$ _____
Phone: _____		Total	\$	_____



The Radio Amateur's Code

The Radio Amateur is...

CONSIDERATE... He never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL... He offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his country through which Amateur Radio in his country is represented nationally and internationally.

PROGRESSIVE... He keeps his station up to date. It is well build and efficient. His operating practice is above reproach.

FRIENDLY... He operates slowly and patiently when requested; offers friendly advice and counsel to the beginner; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.

BALANCED... Radio is a hobby, never interfering with duties owed to family, job, school or community.

PATRIOTIC... His station and skills are always ready for service to country and community

...adapted from the original Amateur's Code, Written by Paul M Segal, W9EEA, in 1928

© John Devoldere 0N4UN and Mark Demeuleneere 0N4WW

Taken from: [Ethics and Operating Procedures for the Radio Amateur.](#)

BRING BACK "RADIO IN THE PARK"

Harry Jones K9DXA" started "Radio in the Park" years ago. His idea was take your radio out to a local park and set it up and operate. Since we can't have any thing big, just take your rig, wear your mask, set up an antenna, radio and have fun.



The idea of this is bring ham radio to the public. Make a small sign with your name, call sign, and please add FRRL also. Would like some photo of your operation. May get someone to take a picture of you operating. Will try to get your picture into the news letter. Please send a short report to me at my FRRL address. Director3@frrl.org



There are plenty of volunteer organizations that could use your radio skills.



Consider volunteering
you can make
the difference !!



American Red Cross



The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Please inquire at the local level for specific information. Because ARES is an amateur radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

ARES

Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES.

ARES Resources

- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [Emergency Communications Training](#)

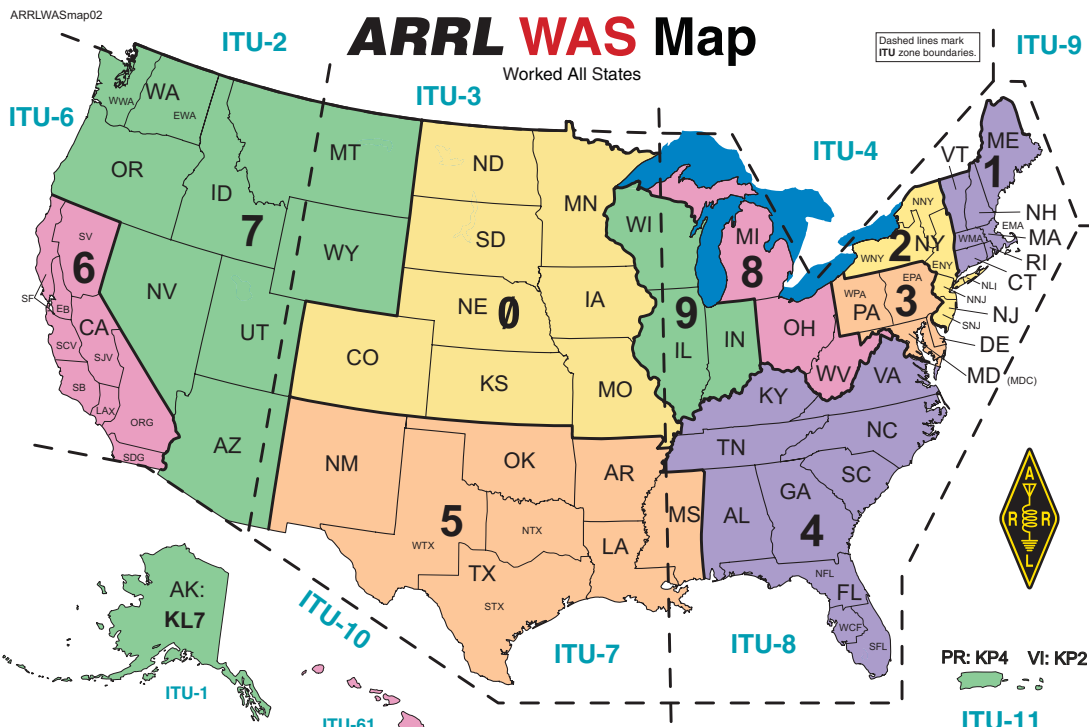
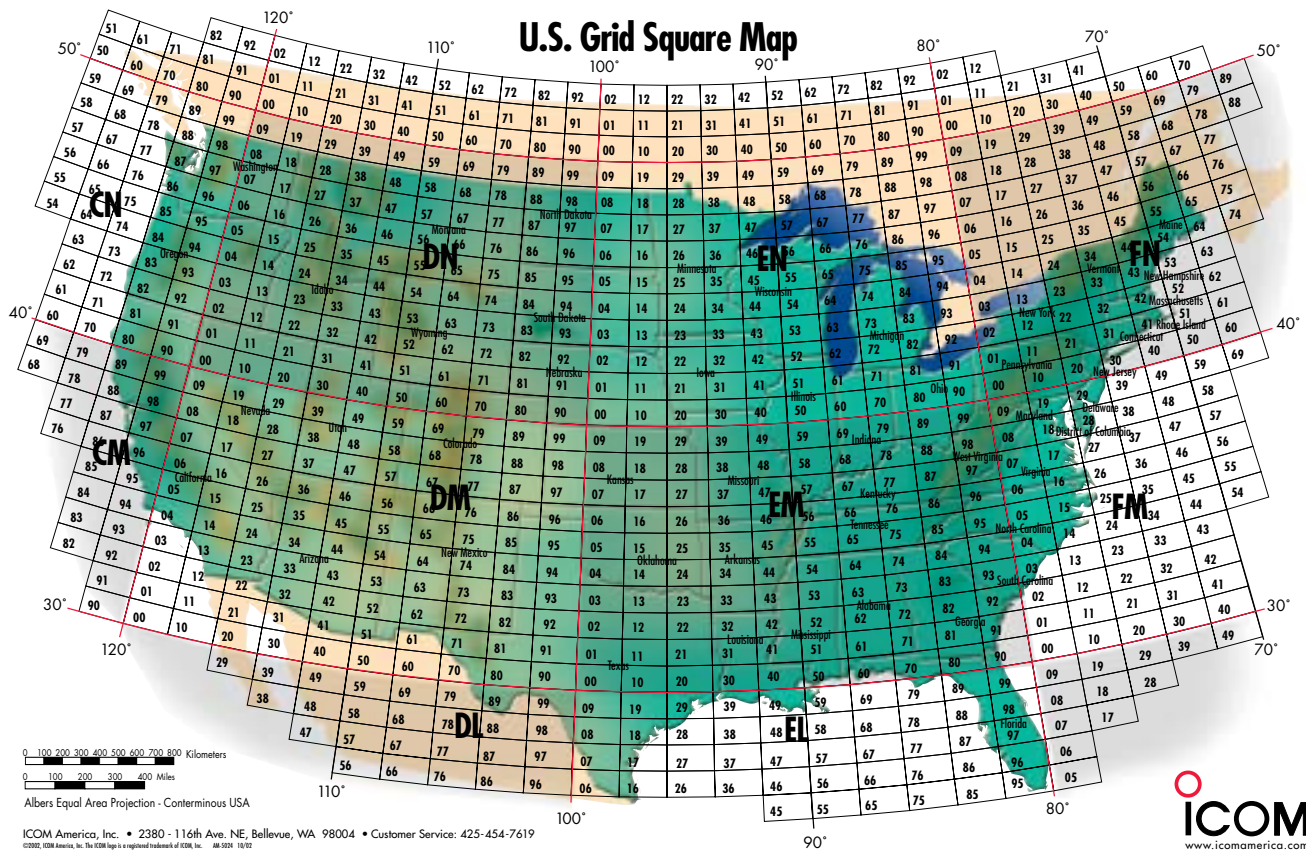


Kane County ARES

Information

[Click Here](#)





ARRL The national association for
AMATEUR RADIO

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ARRL We're At Your Service







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 ARRL on the World Wide Web

860-594-0200 (Fax 860-594-0259)
 Toll-Free 1-888-277-5289 (860-594-0355)
 Toll-Free 1-888-277-5289 (860-594-0338)
 Toll-Free 1-800-326-3942 (860-594-0355)
 860-594-0300
 www.arrl.org/

hq@arrl.org
 orders@arrl.org
 membership@arrl.org
 newham@arrl.org
 vec@arrl.org

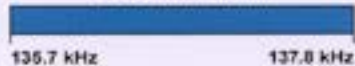
US Amateur Radio Bands

Operator license classes: **E** = Amateur Extra **A** = Advanced **G** = General **T** = Technician **N** = Novice
CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).

 = RTTY, data, phone, image  = USB phone, RTTY, data and CW  = RTTY and data  = phone and image
 = SSB phone  = CW only

LF – Low Frequency band

2200 Meters (135 kHz) E,A,G
1 W EIRP maximum



Amateurs wishing to operate on 2200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/utc-data-base-amateur-notification-process/>. You need only register once for each band.

MF – Medium Frequency bands

630 Meters (472 kHz) E,A,G
5 W EIRP max, except in Alaska within 496 miles of Russia where the limit is 1 W EIRP



160 Meters (1.8 MHz) E,A,G

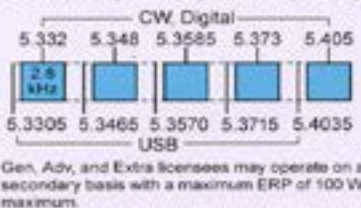


HF – High Frequency bands

80 Meters (3.5 MHz) E,A,G,T,N

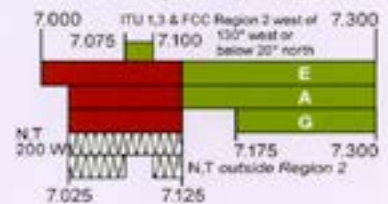


60 Meters (5.3 MHz) E, A, G (100 W)



Gen, Adv, and Extra licensees may operate on a secondary basis with a maximum ERP of 100 W maximum.

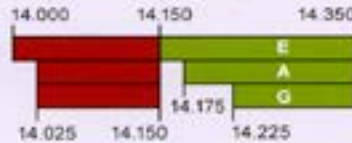
40 Meters (7 MHz) E,A,G,T,N



30 Meters (10.1 MHz) E,A,G



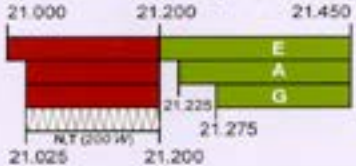
20 Meters (14 MHz) E,A,G



17 Meters (18 MHz) E,A,G



15 Meters (21 MHz) E,A,G,T,N



12 Meters (24 MHz) E,A,G

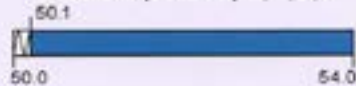


10 Meters (28 MHz) E,A,G,T,N



VHF – Very High Frequency bands

6 Meters (50 MHz) E,A,G,T



2 Meters (144 MHz) E,A,G,T



1.25 Meters (222 MHz) E,A,G,T,N



UHF – Ultra High Frequency bands

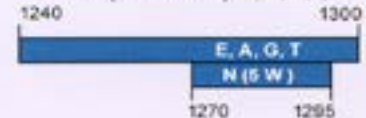
70 cm (420 MHz) E,A,G,T



33 cm (902 MHz) E,A,G,T



23 cm (1240 MHz) E,A,G,T,N



SHF&EHF – Super and Extremely High Frequency bands

All licensees except Novices are authorized all modes on the following frequencies:

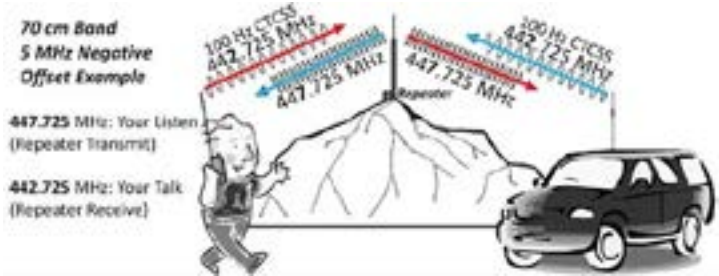
2300-2310 MHz 3300-3500 MHz 10.0-10.5 GHz 47.0-47.2 GHz 122.25-123.0 GHz 241-250 GHz
2390-2450 MHz 5650-5925 MHz 24.0-24.25 GHz 76.0-81.0 GHz 134-141 GHz All above 275 GHz

See www.ant.org/band-plan for detailed band plans.

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OTAbands rev. 1-22-20



FRRL



**AND OTHER
LOCAL REPEATERS**

FRRL Repeaters- W9CEQ

147.225 MHz - Plano
Mode: **Auto C4FM / Fusion, FM, Wires X**
+600 KHz Offset, 100.0 Access Tone

147.21 MHz - Elburn
Mode: FM (Echolink Available)W
+600 KHz Offset, 103.5 Access Tone

444.300 MHz - Elburn
Mode: FM
+5 MHz Offset, 114.8 Access Tone

223.86 Mhz - Aurora
Mode FM
-1.6 Mhz Offset, 110.9 access Tone

442.10625 MHz (B) - Elburn
Mode: D-Star
+5 MHz Offset



Other Area Repeaters

W9XA

53.910 - Batavia
-1.0 MHz offset PL 114.8 Hz

224.4 MHz - Batavia
-1.6 MHz offset PL 103.5 Hz

443.64375 MHz - Elburn
+5 MHz offset DMR 311759

443.65625 MHz - Plano
+5 MHz offset DMR 311760

1292.00 MHz - Batavia
-20 KHz 114.8 Access Tone

927.625 - Batavia
+25 MHz offset PL 114.8 Hz

W9DWP

145.270 MHz - Elburn
-600 KHz offset PL 107.2
ARES APCO P25 NAC 293

NIARC W9ZGP

147.06 MHz - Batavia
Mode FM +600 kHz offset PL 103.5.

Auto C4FM / Fusion, FM, Wires X Repeaters

K9IIR/R

442.275 MHz - Schaumburg
Mode: **Auto C4FM / Fusion, FM, Wires X**
+5 MHz, 114.8 Access Tone

W9CHI

444.600 MHz - Channahon
Mode: **Auto C4FM / Fusion, FM, Wires X 30024**
+5 MHz, 136.5 Access Tone

KD9FA

443.600 MHz - Oswego
Mode: **Auto C4FM / Fusion, FM, Wires X**
+5 MHz, 107.2 Access Tone

KC9OEM

Primary Kane County SKYWARN / ARES

145.470 MHz -St Charles
Mode: FM
-600 Offset, 103.5 KHz Access Tone



444.525 MHz -St Charles
Mode: **Auto C4FM / Fusion, FM, Wires X**
+5 MHz Offset, Access WWTone114.8

