



ARCOVER

DECEMBER 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 W9AUV

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

As the Century Anniversary year of the Fox River Radio League glides to an end, I would like to give my sincere thanks to everyone in the League for a wonderful year. The celebration of our 100th year has been a fantastic journey.

This December meeting will be the annual Club Elections. Paper ballots will be issued to members present in person by the Nominating Committee. Write-in votes for all positions are allowed. However, you must be present to vote.

There will be an opportunity to donate a canned or non-perishable food item which will be given to the Batavia Food Pantry. An area to accept your donation will be just inside the meeting room East door. My thanks to Mike Urso K9FE for his efforts in continuing this Holiday Tradition.

We will have our Holiday White Elephant "gift" exchange. If you would like to participate, the suggestion is to bring one good operational item, with an approximate value of \$25 or slightly more. The item should be something usable in the shack. The gift exchange is simple - bring one take one, No gift wrapping is suggested, a brown paper wrap or bag is perfect.

There will be food tables for treats, if you are able please bring a small Holiday treat to share. There will be a group of three tables next to the kitchen for sharing.

Since there will be no formal program after the business meeting, and with all of the in-person activity, there will be no ZOOM attendance. This is a perfect meeting to get to know each other face-to-face and in-person, please plan to come.

Excellent HF propagation has been the rule rather than the exception this fall. The current forecast is for the excellent radio propagation conditions over the Thanksgiving weekend to be repeated again just before Christmas. I have been fortunate to work Asia and Europe with three watts from a newly completed QRP Labs "QMX+" into a loop antenna. Now is the time to give 10 meters and 6 meters a try - working the world with low power during these monthly peaks has been lot of fun. Everyone licensed can operate somewhere on the TEN or SIX meter bands !

My wishes is for all of us to have a safe and wonderful Holiday Season !

Merry Christmas es 73,
 Kermit W9XA



<i>Name</i>	<i>Call Sign</i>	<i>License</i>
W9PIF	Patrick Gallagher	General





ARC OVER

FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES November 12, 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 November 12, 2024.

The November 12, 2024 meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 44 members in attendance and 7 members attended via Zoom.

The meeting was called to order at 7:30 CDT by President Kermit Carlson, W9XA.

Board members present:

President- Kermit Carlson K9XA

Treasurer, Dan Harmon WA9YKK

Secretary, Art Shuter NN9I

Director, Will Sperling W9WSS

Director, Paul Mitchell KC9SEB a

Director, John Greusel KC9OJV

Director, Pat Brod K9ANL

Past president, Terry W9AUV

Minutes: Acceptance of the October 2024 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion moved by Denny W9HI, 2nd Harry K9DXA.

Treasurer's Report: Dan WA9YKK reported the bank account balances as of November 12, 2024.

Reports:

FIELD Day Pat K9ANL: reported on results from 2024 field day. We finished 2nd in our classification.



Club Activities: Paul KC9SEB: For the program tonight Pat K9ANL will be talking about emergency preparedness. Christmas party and white elephant exchange next month.

Membership/ Database: Curt W9YNP advised we currently have 171members. 147 members groups IO.

VE Update Denny W9HI – Nov 21 is the date for the next VE session at Geneva Lutheran Church.

Repeater: Kermit, W9XA reported all repeaters are working well.

Education: Dan WA9FRY – We have completed the 2nd session for the Technician class. Continuing to work with Scouts.

New business:

Nominating Committee: Mike reported that most board members are running for the same office they held this year. There are three members running for two director positions. They are as follows:

Paul Mitchell KC9SEB

John Gruesel KC9OJV

Greg Copeland WB0OET

Nominating Committee members are:

Mike Urso K9FE

Denny Barfuss W9HI

Mike Upham Wt9g

Old Business:

Surplus Equipment Ad-Hoc Committee: Dan WA9FRY: Talked about the equipment on the silent auction in the next few months.

New Business:

January Club Meeting will be at Pal Joey's for brief meeting and pizza party.

2025 Budget Discussion

Looking for a new board meeting location – TBD for December

New Zoom Technical Director is needed.

Upcoming Events

Membership meeting – November 12th

Newsletter deadline – Nov 20th

Next FRRL Board Meeting – December 3rd

VE Testing Date – November 21st

Adjournment:

Motion to adjourn by Dean KC9EOQ, 2nd Ken N9WCX. Meeting adjourned at 8:15 CST.

Respectfully submitted,












Art Shuter NN9I

FRRL Secretary





Sunday Monday Tuesday Wednesday Thursday Friday Saturday

1	2	3 1900 FRRL BOD Meeting 1930 FRRL 2m Net	4 1930 FRRL 220 Net 223.86 - 110.9	5	6	7 <i>Remember & Honor</i> PEARL HARBOR <i>December 7, 1941</i>
8 INFORMAL ALL OPR NET 1900	9 CW NET 28.150 2000  SSB NET 28.720 2030	10 1930 FRRL Membership Meeting No Net	11 No 220 Net	12	13	14
15 INFORMAL ALL OPR NET 1900	16 CW NET 28.150 2000  SSB NET 28.720 2030	17 1930 FRRL 2m Net	18 1930 FRRL 220 Net 223.86 - 110.9	19	20 NEWSLETTER DEADLINE	21
22 INFORMAL ALL OPR NET 1900	23 CW NET 28.150 2000  SSB NET 28.720 2030	24 1930 FRRL 2m Net	25 MERRY CHRISTMAS 	26	27	28
29 INFORMAL ALL OPR NET 1900	30 CW NET 28.150 2000  SSB NET 28.720 2030	31 				
				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 Officer & Director Elections



Elections will be held at the December member meeting.

Paper ballots will be used instead of on line voting.

You must be present at the meeting to vote.

** Officers are for a one year term.

**Directors are for a two year term.

There will be room on the ballot for write in votes

PICK ONE

President Kermit Carlson	<input type="radio"/>
Vice President Dan Nolen	<input type="radio"/>
Secretary Art Shuter	<input type="radio"/>
Treasurer Dan Harmon	<input type="radio"/>

PICK TWO

Director Greg Copeland	<input type="radio"/>
Director John Greusel	<input type="radio"/>
Director Paul Mitchell	<input type="radio"/>





We are looking for a zoom "Technical Director" to operate ZOOM at the membership & board meetings..

If no one steps up ZOOM may no longer be offered for either meeting..

Contact Kermit W9XA if you're interested

president@frrl.org

Looking



Ahead



Please use this link to enjoy the pictures from the 100th Anniversary Banquet.

100th Anniversary Celebration Banquet Photos - Sept 10, 2024



[Click Here](#)



FRRL

December 2024 Meeting



**WHITE
ELEPHANT**

GIFT EXCHANGE

Announcing the FRRL White Elephant gift exchange. Bring a gift and you get to take one home. Please look through your shack for a good but an unused item or something you have not used for a long time, it can be a decent gift. Try to go for an average value of \$20. Please no junk or unusable items. If you are wrapping challenged a paper bag is good enough! See how creative you can be!

When you bring the gift you will get a ticket. We will randomly pull a ticket and then you get to pick your prize.

73 and



de K9FE Mike"



If you can please bring a non perishable food item(s) and / or paper goods to be given to a local food pantry,



Feel free to bring a snack to share at the meeting





SILENT AUCTION

- The FRRL will be holding silent auctions for various pieces of radio equipment.
- The auctions will take place at the regular club meetings from November through April.
- Equipment will be available at the meeting for visual inspection.
- The FRRL has no idea as to the condition of the equipment. All equipment is auctioned "AS IS where IS"
- Payment is by cash or check due upon acceptance of your winning bid.
- The equipment to be auctioned and the auction dates are listed below



FRRL Silent Auction				
Qty	Manufacturer	Model	Type	DATE
1	ICOM	IC 91 A	H/T	3/11/2025
1	Hammurland	HQ-110	Receiver	
1	Realistic	DX-150A	Receiver	
1	Hammurland	HQ129X	Receiver	4/8/2025
1	Collins	75-S-1	Receiver	
1	Collins		Receiver	12/10/2024
1	Drake	R4-C	Receiver	
1	Drake	R4-B	Receiver	
1	Drake	MS-4	Speaker	
1	Drake	2B	Receiver	
1	Drake	2BQ	Multiplier / Spkr	
1	Drake	SPR-4	Receiver	11/12/2024
2	Heathkit	SB-101 & HP23C pwr.supply & speaker	Transciever	
1	Heathkit	HW-101 (no pwr. supply or spkr.)	Transceiver	
1	Henry Radio	Tempo One & pwr. supply & spkr.)	Transceiver	1/14/2025
1	Kenwood	TS 830 S	Transceiver	
1	Kenwood	TS 530 SP	Transceiver	
2	Yaesu	FT-101-EE	Transceiver	
1	Yaesu	FT-101	Transceiver	
1	Swan	CGYNET 260	Transceiver	
1	WRL	Globe Chief 90A	Transmitter	2/11/2025
1	Hallicrafters	HT-40	Transmitter	
1	Knight	T-150A	Transmitter	
1	Heathkit	DX-40	Transmitter	
1	Yaesu	FL-101	Transmitter	
2	Knight	T-60	Transmitter	





Share the magic of Ham Radio and Santa Claus with your children, grandchildren, and neighborhood kids.

<https://www.cqsanta.com/>

The Santa Net is held every evening between Thanksgiving and Christmas on 3.916 MHz at 7:00PM Central Time (check-ins open 1/2 hour before).



FRRL commemorative glasses are still available for \$5.. It would make a beautiful Christmas gift for someone special !!

Or

A very nice glass to have on hand for New Years Eve !!



2024 Field Result ... 2nd Place!



8A						
1	Woodbridge Wireless W4IY (+W4AD)	2,554	2	42	11,085	VA
	Fox River Radio League W9NE (+W9CEQ)	2,528	2	80	10,503	IL
2	Mahoning Valley ARA W8QLY	2,896	2	32	9,968	OH
	Rappahannock Valley ARC K4TS (+K4MHD)	2,463	2	24	9,378	VA
	Black Swamp ARC K8BSR	2,024	2	16	6,924	OH
	Gwinnett ARS W4GR	1,461	2	45	5,916	GA
	San Antonio RC AA5RO	307	2	41	2,682	STX



Congratulations

WINTERHEAT 2025 NOTICE:

In preparation for WINTERHEAT 2025 I am currently in the process of doing some remodeling to some of the core features of the website.

I am hoping to have those changes done within the next week and once completed I will be starting on the actual preps for the event.

Jess - W9ABS

<https://hamactive.com/>



Winter Field Day

WFD is always on the last full weekend of January, beginning at 19:00 UTC on Saturday and running through 18:59 on Sunday.

You can operate on the 160, 80, 40, 20, 15, and 10 meter HF bands and all bands above 50 MHz.

To be considered for scoring, all participants must submit their log entries before 11:59 UTC on March 1st. All logs must be submitted in the Cabrillo format and contain the proper exchange data. Late entries cannot be accepted.

WFD participation and results are tallied and posted on the website for future reference. Our goal is to have logs scored by May 30th and posted the first week of June. <https://winterfieldday.org/resources.php>



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.

[Click Here](#)



MEMBERSHIP RENEWAL

Annual Dues

Question 1

Which of the following is a safety hazard of a 12-volt storage battery?

- A. Touching both terminals with the hands can cause electrical shock
- B. Shorting the terminals can cause burns, fire, or an explosion
- C. RF emissions from a nearby transmitter can cause the electrolyte to emit poison gas
- D. All these choices are correct



Question 2

What health hazard is presented by electrical current flowing through the body?

- A. It may cause injury by heating tissue
- B. It may disrupt the electrical functions of cells
- C. It may cause involuntary muscle contractions
- D. All these choices are correct

SAFETY
STARTS WITH YOU!

Answers on
page 26



(625 ILCS 5/12-610.2) - Sec. 12-610.2. Electronic communication devices.

(a) As used in this Section:

"Electronic communication device" means an electronic device, including, but not limited to, a hand-held wireless telephone, hand-held personal digital assistant, tablet, or a portable or mobile computer, but does not include a global positioning system or navigation system or a device that is physically or electronically integrated into the motor vehicle.

(b) A person may not operate a motor vehicle on a roadway while using an electronic communication device, including using an electronic communication device to watch or stream video, participate in any video conferencing application, including, but not limited to, Zoom, Microsoft Teams, or WebEx, or access any social media site, including, but not limited to, Facebook, Snapchat, Instagram, or Twitter. The exemptions in paragraphs (3) and (9) of subsection (d) do not apply when a person is using the electronic communication device to watch or stream video, participate in any video conferencing application, or access any social media site.

(b-5) A person commits aggravated use of an electronic communication device when he or she violates subsection (b) and in committing the violation he or she is involved in a motor vehicle crash that results in great bodily harm, permanent disability, disfigurement, or death to another and the violation is a proximate cause of the injury or death.

(c) A violation of this Section is an offense against traffic regulations governing the movement of vehicles. A person who violates this Section shall be fined a maximum of \$75 for a first offense, \$100 for a second offense, \$125 for a third offense, and \$150 for a fourth or subsequent offense, except that a person who violates subsection (b-5) shall be assessed a minimum fine of \$1,000.

(d) This Section does not apply to:

- (1) a law enforcement officer or operator of an emergency vehicle while performing his or her official duties;
- (1.5) a first responder, including a volunteer first responder, while operating his or her own personal motor vehicle using an electronic communication device for the sole purpose of receiving information about an emergency situation while en route to performing his or her official duties;
- (2) a driver using an electronic communication device for the sole purpose of reporting an emergency situation and continued communication with emergency personnel during the emergency situation;
- (3) a driver using an electronic communication device in hands-free or voice-operated mode, which may include the use of a headset;
- (4) a driver of a commercial motor vehicle reading a message displayed on a permanently installed communication device designed for a commercial motor vehicle with a screen that does not exceed 10 inches tall by 10 inches wide in size;
- (5) a driver using an electronic communication device while parked on the shoulder of a roadway;
- (6) a driver using an electronic communication device when the vehicle is stopped due to normal traffic being obstructed and the driver has the motor vehicle transmission in neutral or park;
- (7) a driver using two-way or citizens band radio services;

(8) a driver using two-way mobile radio transmitters or receivers for licensees of the Federal Communications Commission in the amateur radio service;

- (9) a driver using an electronic communication device by pressing a single button to initiate or terminate a voice communication; or
- (10) a driver using an electronic communication device capable of performing multiple functions, other than a hand-held wireless telephone or hand-held personal digital assistant (for example, a fleet management system, dispatching device, citizens band radio, or music player) for a purpose that is not otherwise prohibited by this Section.

(e) A person convicted of violating subsection (b-5) commits a Class A misdemeanor if the violation resulted in great bodily harm, permanent disability, or disfigurement to another. A person convicted of violating subsection (b-5) commits a Class 4 felony if the violation resulted in the death of another person.



BUILDING AN EMERGENCY SUPPLY KIT FOR YOUR CAR

WHY?
Because you never know when you will encounter winter weather or an emergency road closure

AMERICA'S *PrepareAthon!*
BE READY THIS HOLIDAY SEASON

- Cell Phone Charger
- First Aid Kit
- Jumper Cables
- Spare Tire
- Flares
- Water, Snacks
- Mittens, Hat, Boots Warm Clothes
- Flashlight
- Snow Shovel and Brush
- Blankets
- Tow Rope
- Sand or Kitty Litter
- Full Tank of Gas

Be Safe This Holiday Season

DRESSING FOR COLD WEATHER

adding layers will help keep you warm as the temperature drops

CHILLY

- 1-2 layers
- long layer
- outer layer to keep out wind, rain
- warm shoes water proof

COLD

- 2-3 layers
- warm hat
- gloves
- outer layer to keep out wind, wet snow
- boots water proof
- 1-2 layers

EXTREME COLD

- 3+ layers 1 insulating
- warm hat
- face mask
- outer layer to keep out wind
- gloves
- boots water proof
- 2+ layers

weather.gov/safety





How to Order CLUB BADGES

Image Awards

1031 E State Street

Geneva, Illinois

5% fee for Credit Cards



Order by Email to;

ImageAwards@SBCglobal.net

Ask for the FRRL Name Badge and provide Name and Callsign

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.

**PAY OR RENEW
MEMBERSHIP DUES
OR
REPEATER DONATION
[ON LINE HERE](#)**



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[at]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.



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




FOR SALE

BY OWNER

Golden Rules of Borrowing

- ✓ Return it Quickly
- ✓ Return it in Great Condition
- ✓ Break it - Replace it
- ✓ Return the Favor

WANTED

HAM RADIO GEAR

Hi All,

Just a friendly reminder that the FRRL conducts regular nets on 10 meters on Monday nights local time.

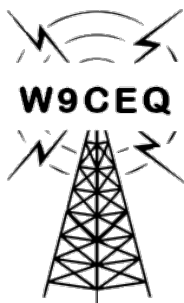
7:30pm (00:30 UTC) - 28420 kHz. A net for new Hams (especially Technicians) to encourage anyone with a license to get on the air using a shortwave frequency. Many new Amateur Radio Operators find it easy to build a 10 meter antenna when they buy their first HF transceiver. Anyone with a valid FCC Amateur Radio license can join in the conversation where we can talk about anything from pets, cars, activities, antennas, radios, etc. Here is an example of a 28420 net QSO (see MP3 audio Attachment).

8:00pm (01:00 UTC) - 28150 kHz, CW 10-10 net.

8:30pm (01:30 UTC) - 28720 kHz Phone (SSB) 10-10 net. 10-10 nets are sponsored by members of the Ten-Ten International Net organization. Its purpose is "to promote activity and good operating practice on the ten meter amateur band." You do not have to be a Ten-Ten member to participate. www.ten-ten.org/what-is-ten-ten

Tom Lebryk

KD9NPR





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

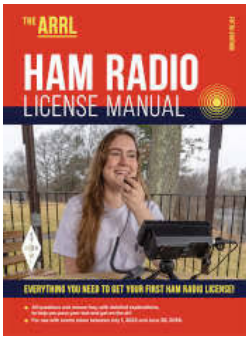


Tuesday
1930 (7:30 pm) local time
147.21 103.5PL +600
Except for the 2nd Tuesday of the month



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

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.

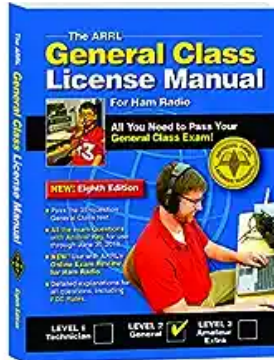


Technician Class
Wednesday Evenings
6:30 P.M. to 9:30 P.M.

Start: 10/30/2024
End: 12/18/2024



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



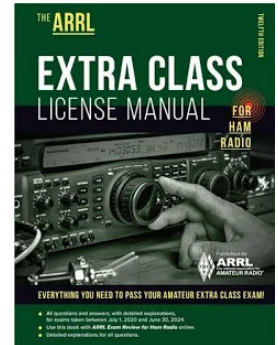
General Class
Thursday Evenings
6:30 P.M. to 9:30 P.M.

Start: 1/25/2025
End:

EXTRA classes are held in person at:



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 through the ARRL website.

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](#).



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:

Decemer 18, 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.

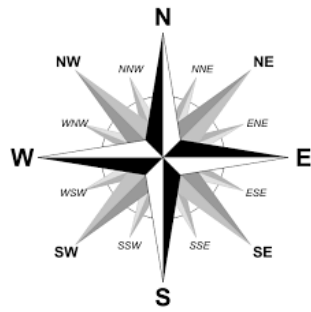
If you have questions about the testing program, please email the Chairman at: ve@frrl.org

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.





Saturday, December 7th, 2024 from 7am - 2pm
Mesa AZ ([Click Here for info](#))

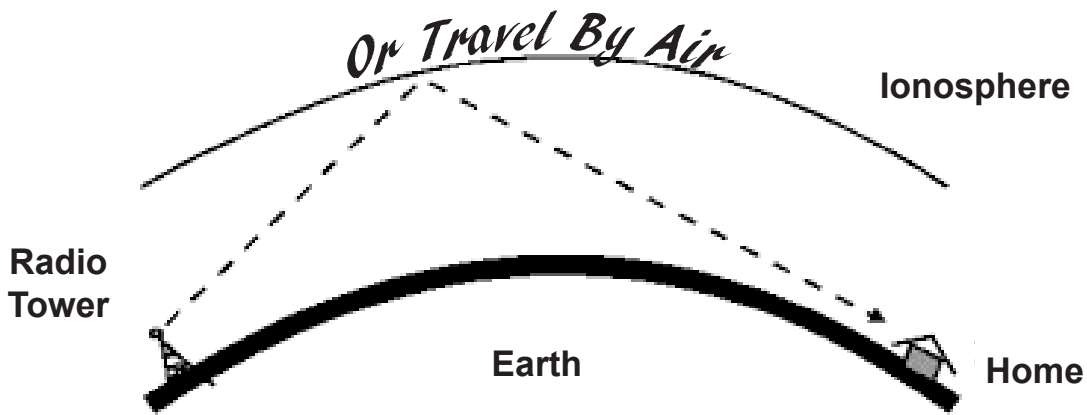


SLSRC Winterfest – January 18, 2025 – 8 am – 1 pm

Gateway Center, 1 Gateway Dr., Collinsville, IL 62234

The night before Winterfest, January 17, 2025, the DX/ARRL Banquet will be held at the Gateway Convention Center

For Info go to: <https://winterfest.slsrc.org/>



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](#)

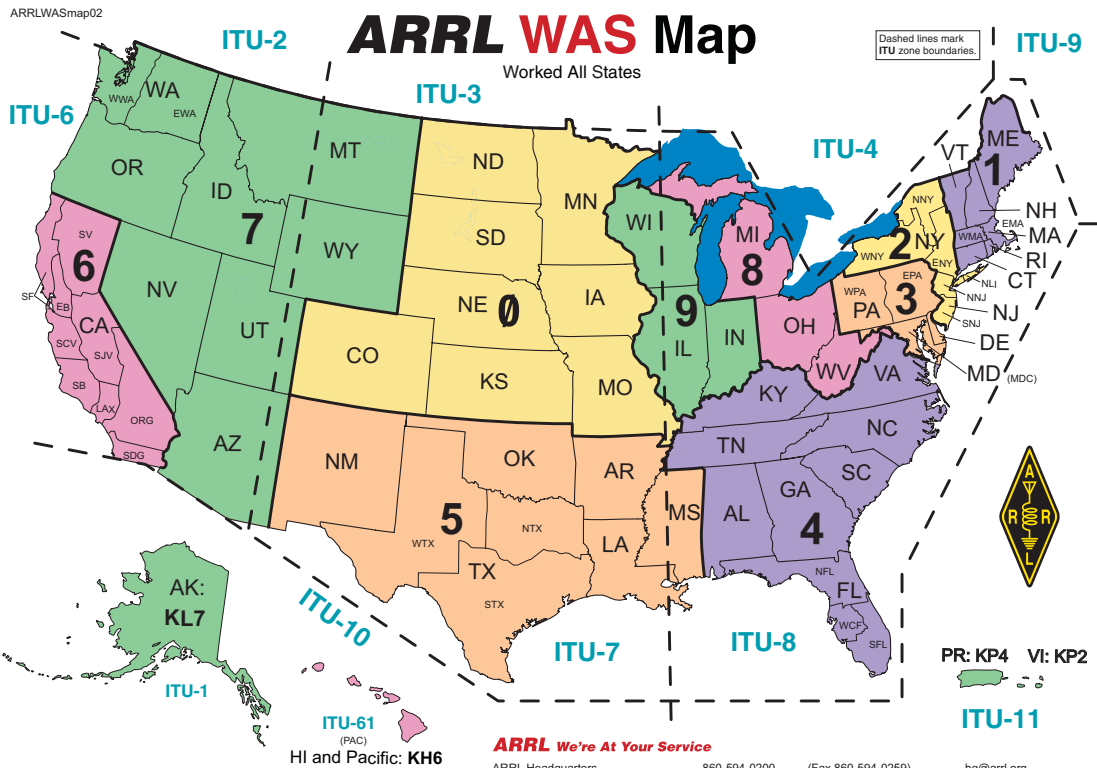
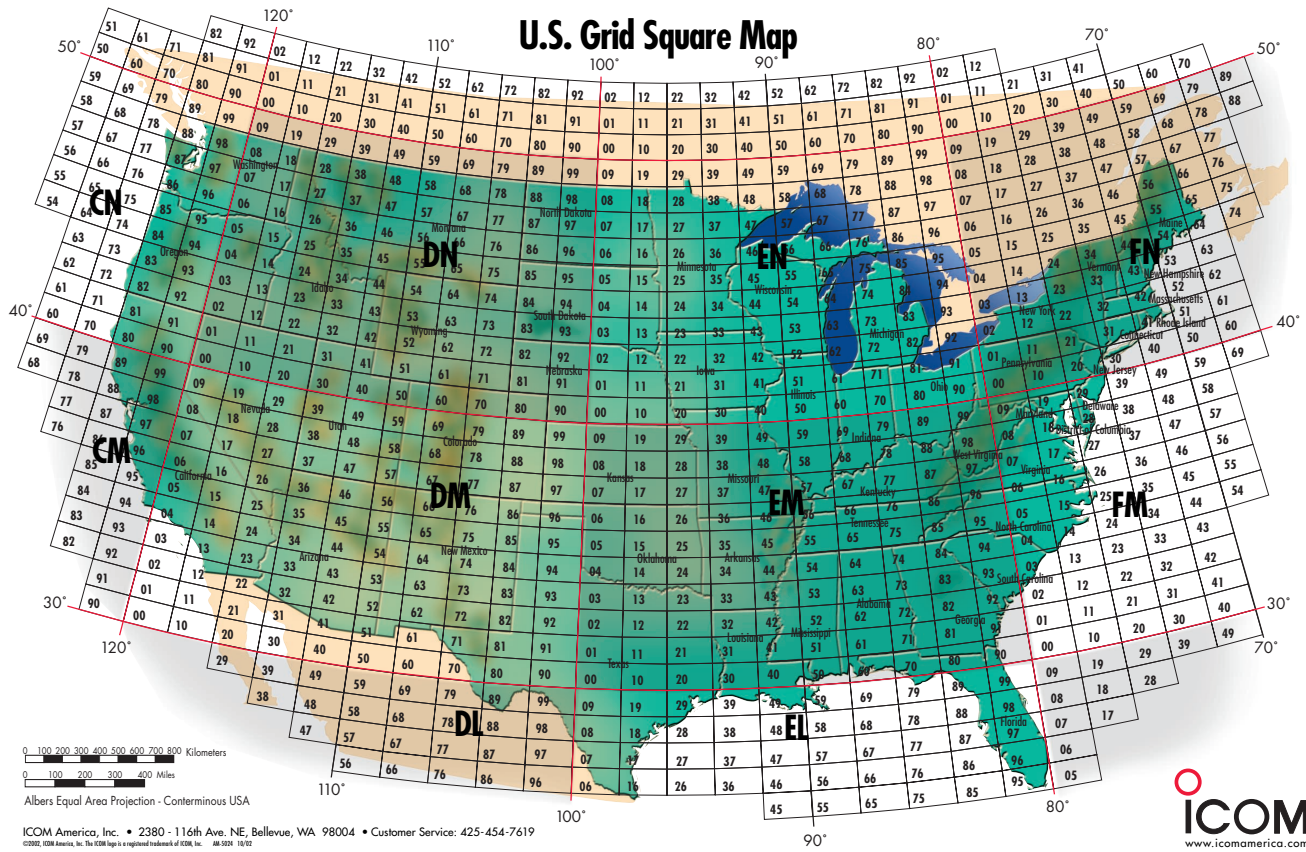


Kane County ARES

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)
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860-594-0300
www.arrl.org/

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





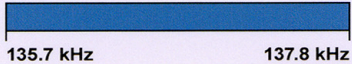
US Amateur Radio Bands

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 symbol] = CW only

LF – Low Frequency band

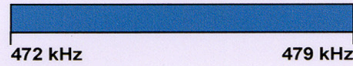
2200 Meters (135 kHz) E,A,G
 1 W EIRP maximum



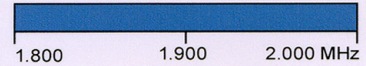
MF – Medium Frequency bands

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



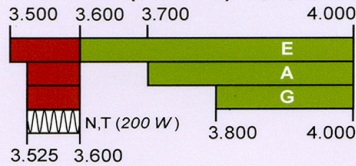
160 Meters (1.8 MHz) E,A,G



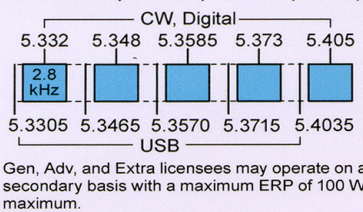
Amateurs wishing to operate on **2200 or 630 meters** must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

HF – High Frequency bands

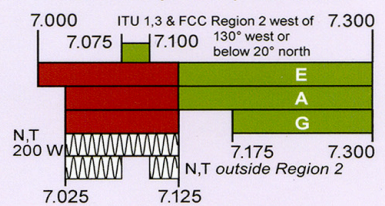
80 Meters (3.5 MHz) E,A,G,T,N



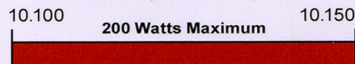
60 Meters (5.3 MHz) E, A, G (100 W)



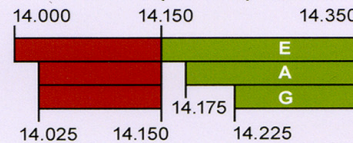
40 Meters (7 MHz) E,A,G,T,N



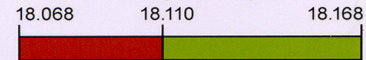
30 Meters (10.1 MHz) E,A,G



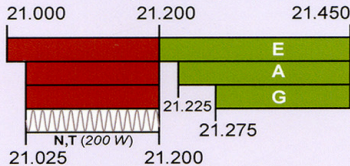
20 Meters (14 MHz) E,A,G



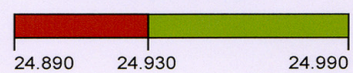
17 Meters (18 MHz) E,A,G



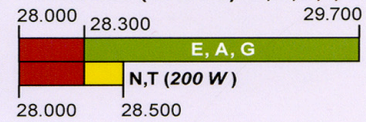
15 Meters (21 MHz) E,A,G,T,N



12 Meters (24 MHz) E,A,G

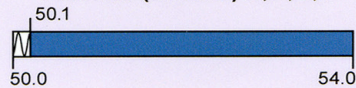


10 Meters (28 MHz) E,A,G,T,N

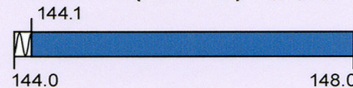


VHF – Very High Frequency bands

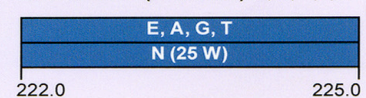
6 Meters (50 MHz) E,A,G,T



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

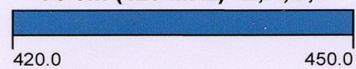


1.25 Meters (222 MHz) E,A,G,T,N



UHF – Ultra High Frequency bands

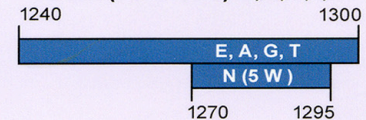
70 cm (420 MHz) E,A,G,T



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:

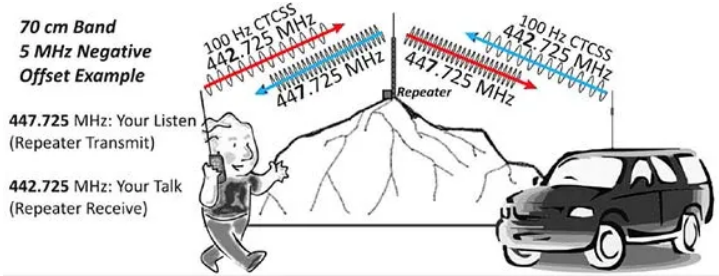
2300-2310 MHz	3300-3500 MHz	10.0-10.5 GHz	47.0-47.2 GHz	122.25-123.0 GHz	241-250 GHz
2390-2450 MHz	5650-5925 MHz	24.0-24.25 GHz	76.0-81.0 GHz	134-141 GHz	All above 275 GHz

See www.arrl.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

ANSWERS PG 12
Q1 "B"
Q2 "D"

