



# ARCOVER

## JANUARY 2025



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

1924  2025

### 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](mailto:info@frrl.org)

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



From  
*the desk*  
of....

FRRL President



*Kermit Carlson*

The January FRRL Membership meeting and Pizza Party will be held at Pal Joey's Pizza 31 N River St, Batavia on Tuesday January 14th. The gathering will begin at 5:30PM with food starting at 6:00 PM. The meeting will start at 7:30. We will resume regular meetings at the Bethany Lutheran Church in February,

This will be a social evening with a very short business meeting. Friends and family are encouraged to attend. The cost of the salad, pizza and soft drinks will be \$12 per person. In order to place the food order please email [president@frrl.org](mailto:president@frrl.org) with the names (and call-signs) of those who will attend. We will collect for the food at the restaurant.

We look forward to seeing you there !

Happy New Year !

73, Kermit W9XA





# ARC OVER

## FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES December 10, 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 December 10, 2024.

The December 10, 2024 meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 45 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  
Director, John Greusel KC9OJV  
Director, Pat Brod K9ANL  
Past president, Terry W9AUV

Minutes: Acceptance of the November 2024 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion moved by Marty N9NTM and 2<sup>nd</sup> by Dean KC9EOQ.

Treasurer's Report: Dan WA9YKK reported the bank account balances as of December 10, 2024.  
Reports:

Membership/ Database: Curt W9YNP advised we currently have 166 members.

VE Update Denny W9HI – Next VE session January 16<sup>th</sup>.

Repeater: Kermit W9XA reported all repeaters are working well. We would like to have more activity on the repeaters.

John KC9OJV has completed working on Moxon antennas.

100<sup>th</sup> Anniversary: Glasses are still for sale.

**Old Business:**

**Nominating Committee: Election**

**Nominating Committee members are:**

**Mike Urso K9FE**

**Denny Barfuss W9HI**

**Mike Upham WT9G**

**Paul Mitchell KC9SEB Elected as Director**

**John Gruesel KC9OJV Elected as Director**

**All other officers re-elected.**

**Surplus Equipment Ad-Hoc Committee: Dan WA9FRY reported the equipment that is available for the silent auction.**

**New Business:**

**The new location for the board meetings at will be at Raimondo's restaurant in North Aurora.**

**The board meetings will no longer be on Zoom.**

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

**2025 Budget Discussion**

**Camp Big Timber Boy Scout Camp Ham Station:**

**FRRL will work as Mentors – Dan WA9FRY, Dan WA9YKK and Curt W9YNP.**

**Upcoming Events**

**Next FRRL board meeting January 7th**

**Membership meeting – January 14th**

**VE testing – January 16th**

**Newsletter deadline – December 20<sup>th</sup>**

**General License Class to start on January 22nd**

**Winter Heat activity in January**

**Adjournment:**

**Motion to adjourn moved by Tom W9CHY, 2<sup>nd</sup> by Jim W9JB Meeting adjourned at 8:31 CDT.**

**Respectfully submitted,**

***Art Shuter NN9I***

**FRRL Secretary**

**2025**



**FOX RIVER RADIO LEAGUE**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 <b>HAPPY NEW YEAR</b>	2	3	4
5 <b>INFORMAL ALL OPR NET 1900</b>	6 CW NET 28.150 2000  SSB NET 28.720 2030	7 <b>1900 FRRL BOD Meeting</b> 1930 FRRL 2m Net	8 <b>1930 FRRL 220 Net 223.86 - 110.9</b>	9	10	11
12 <b>INFORMAL ALL OPR NET 1900</b>	13 CW NET 28.150 2000  SSB NET 28.720 2030	14 <b>1930 FRRL Membership Meeting No Net</b>	15 <b>No 220 Net</b>	16 <b>VE TESTING</b>	17	18
19 <b>INFORMAL ALL OPR NET 1900</b>	20  <b>NEWSLETTER DEADLINE</b>	21 1930 FRRL 2m Net	22 <b>1930 FRRL 220 Net 223.86 - 110.9</b>	23	24	25
26 <b>INFORMAL ALL OPR NET 1900</b>	27 CW NET 28.150 2000  SSB NET 28.720 2030	28 1930 FRRL 2m Net	28 <b>1930 FRRL 220 Net 223.86 - 110.9</b>	30	31	
				<b>MEMBER MEETING BETHANY LUTHERAN CHURCH 8 SOUTH LINCOLN ST. BATAVIA IL</b>		
<b>WCRA</b> 2m Net 8pm 145.31 -6 107.2	<b>VARA</b> 2m Net 8pm 146.79 -6 107.2	<b>FRRL</b> 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*

## 2025 FRRL Officer & Directors



**President  
Kermit Carlson**



**Vice  
President  
Dan Nolan**



**Treasurer  
Dan Harmon**



**Secretary  
Art Shuter**



**Director  
Paul Mitchell**



**Director  
John Greusel**

**CONGRATULATIONS All !!**

January's  
member meeting..

will be held at

*Pal Joey's*

In Batavia..

\$12 per person



You can also order off the regular menu.. If you choose to do that, you only pay for what you order - there is no need pay \$12 for the group pizza. Feel free to bring a family member(s) and / or friend(s)

**\*\*Please RSVP** to Kermit at [president@frri.org](mailto:president@frri.org) the **names (and call-signs) of those who will be attending**



**FRRL commemorative glasses are still available for \$5..**



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



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

100th Anniversary Celebration Banquet Photos - Sept 10, 2024



[Click Here](#)





**White  
Elephant  
Tresures**



**Silent  
Auction  
Items**



**Attendees**



**Goodies**

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**Thanks Mike for manning the ZOOM  
setup at the meetings... enjoy actually  
attending the meetings !!**







## 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

Since our next club meeting will be a pizza get together at Pal Joeys, we're going to skip the silent auction for January. Attached is an update of what's going to be auctioned starting with the February club meeting. There are a few new items including a Yaesu FL 2100 B linear amplifier. One was recently listed for sale on QRZ for \$675.

As a note, we auctioned off a Drake R4C receiver for \$75. One just listed on QRZ for \$300 "as is"

Attached is what should be the final equipment listing with auction dates.

73's Dan WA9FRY

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	HQ-129X	Receiver	
1	Hammurland	HQ-140X	Receiver	
1	Collins	75-S-1	Receiver	4/8/2025
1	Collins	?	Receiver	
1	Yaesu	FT 1000MP Mark V	Transceiver	
1	Yaesu	FL 2100B	Linear	
1	Kenwood	TS 830 S	Transceiver	5/13/2025
1	Kenwood	TS 530 SP	Transceiver	
2	Yaesu	FT-101-EE	Transceiver	
1	Yaesu	FT-101	Transceiver	
2	Swan	CGYNET 260	Transceiver	
1	WRL	Globe Chief 90A	Transmitter	2/11/2025
2	WRL	Globe QZ-ZC-1 VFO	VFO	
1	Hallicrafters	HT-40	Transmitter	
1	Knight	T-150A	Transmitter	
1	Heathkit	DX-40	Transmitter	
1	Yaesu	FL-101	Transmitter	
1	Yaesu	FL-101	Transmitter	
2	Knight	T-60	Transmitter	



# HAM ACTIVE

A PLACE FOR HAMS, BY HAMS

Go to [HAMACTIVE.COM](http://HAMACTIVE.COM) to register and more information

## SCORING:

- When making a QSO, only one station will enter the information into the system. Usually the station calling CQ would enter the initial QSO information. Does not matter who submits the initial QSO info as long as the QSO does not get logged twice.
  - The other station will be responsible for confirming the QSO.
- Unconfirmed QSO will be credited with 1 contact point where a confirmed QSO will be awarded a value of 10 contact points.
- A QSO can be made with a station that has not signed up as a participant. However that QSO will only be award a single contact point. Should the non-participant sign up for event after the QSO is made. The QSO made prior to their sign up will still be credited as a single contact point.

ANALOG		
2M	70cm	OTHER
147.570	446.700	52.540
147.525	446.400	50.350
		223.400
		927.100

DIGITAL	
147.555 C4FM	446.600 C4FM
145.790 DMR	446.0750 DMR
TG.99 TS.1 CC.1	TG.99 TS.1 CC.1
145.670 D-STAR	446.225 D-STAR

## GENERAL INFORMATION:

- All participants must be registered with the automated logging system for contacts to be credited
- All contacts must be made on the designated amateur radio frequencies.
- Contacts must be via FM voice and can be either analog or digital (DMR, Fusion, D-Star).
- All contacts must be made during the event period. (00:01UTC January 1, 2025 to 23:59UTC January 31, 2025)
- Stations may only make contact with each other once per day on each designated frequency.
- DMR, C4FM and D-STAR Simplex Frequencies are simply recommendations. Since some areas have pre-designated digital voice simplex frequencies, they may use those frequencies as long as no external repeaters or other infrastructure is used. Simply select the frequency/mode that closely matches your method.



**The SARL Centenary Marathon QSO Party starts on 1 January 2025**

**On Tuesday 20 May 2025, the South African Radio League celebrates its 100th anniversary. In conjunction with the 100th anniversary of the SARL, the SARL Centenary Marathon QSO Party is set to kick off for a year-long operating event starting from 00:00 UTC on Wednesday 1 January 2025 and ending at 23:59 UTC on Wednesday 31 December 2025.**

**Participating amateur radio operators worldwide (including Short Wave Listeners) can accumulate points and win awards, by working South African amateur radio stations. During 2025, the SARL, with the aid of its members and associated clubs, will be on the air with a special event call sign ZS100SARL, as well as the permanent call signs ZS6SRL and ZS9HQ and other special event call signs.**



**To qualify for points all contacts must be two-way, using any legally allowed mode such as CW, Phone (FM, SSB, AM, digital voice), Digital (any digital mode, such as Amtor, Pactor, PSK modes, MT63, MFSK modes, Feld-Hell and RTTY) on 160, 80, 60, 40, 30, 20, 17, 15, 12, 10, 8, 6, 4 and 2 meters, 70 and 23 centimetres as well as via satellites or repeaters.**

**Get all the information about the SARL Centenary Marathon QSO Party on page 7 of the November 2024 Radio ZS, pages 11 and 12 of the December 2024 Radio ZS, in the 2025 SARL Contest Manual and/or <https://mysarl.org.za/centenary-marathon/>. The log sheet is available at <https://mysarl.org.za/contest-resources/>.**

**The roster to operate ZS100SARL will be available soon.**

**John  
KC9OJV**

**<https://mysarl.org.za/centenary-marathon/>**





2024 ILLINOIS LOCAL CLUB SCORES

(SOCIETY OF MIDWEST CONTESTERS)	21	1154311
ELAYER CONTEST CLUB	2	756030
METRO DX	11	661548
PRIME ARA	6	511038
NICHENRY CO WIRELESS	10	461134
EOX RIVER RL	3	127544
DUPAGE ARC	3	138590
TWIN CITY ARC	2	129438
WIARC	8	107089
RIVER BEND WIRELESS	5	56932
ROCKFORD AREA RA	2	35358
CENTRALIA WIRELESS	1	34840
KANKAKEE AREA RS	2	31900
SCHAUMBURG ARC	1	15520
IROQUOIS CO ARC	1	9088
OKAW VALLEY ARC	2	8844
SANGAMON VALLEY ARC	3	8419
WVARA	1	4848
CLAY COUNTY AREA ARC	2	3796
BOLINGBROOK ARS	1	2760
PALISADES ARC	1	1610
YORK RC	1	1232
MOTOROLA ARC	1	1107
SYNTON ARC	1	1020

**IL QSO Results**

**Go To:**

<https://w9awe.org/ilqp/>

**For Full Details**



## 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:

In the United States, what circuit does black wire insulation indicate in a three-wire 120 V cable?

- A. Neutral
- B. Hot
- C. Equipment ground
- D. Black insulation is never used



Question 2:

What is the purpose of a fuse in an electrical circuit?

- A. To prevent power supply ripple from damaging a component
- B. To remove power in case of overload
- C. To limit current to prevent shocks
- D. All these choices are correct

**SAFETY**  
**STARTS WITH YOU!**

Answers on  
page 27

## Testing John Greusel's (KC9OJV) 2m Moxon antenna

I was able to go to Campton Hills Forest Preserve which has a nice hilltop parking lot.

Marty N9NTM was my only contact, being mobile on Rt 88 near Nicor in Naperville, with only a little scratchy noise and no dropouts. I think he said he heard me calling on the Downers Grove repeater with some scratchiness but understandable. I was able to get a response from the repeaters in Lisle, Downers Grove, Wheaton, Bollingbrook (BARS), Schaumburg (SARC), various Kane County, and our Plano repeater. I believe the Crystal Lake repeater responded too but not remembering for sure. Other repeaters in DuPage or McHenry counties did not respond. I heard a strong, mostly clear signal from 146.880 (SARA) in Chicago but they were rag chewing and I did not try.

Have no idea how I was received other than the one contact mentioned. Also, it seems to have a broad front firing pattern and I did not have to change directions to get a response from any of the repeaters mentioned. Perhaps using higher power and more distant stations would demonstrate a need to point it directly at the station to tell a difference. It was facing generally due East.



Using 5 watts with Yaesu FT-65, external hand mike and ear buds. Coax used was a lossy 20 foot LMR-100a wire for portability with ferrites at both ends (a thicker coax would be better). Antenna was mounted using a secondary pipe slipped over the car's AM/FM radio antenna for support and zip ties attaching the secondary pipe to the Moxon. Wind was gusting up to 30mph so I had to tie down the front with an extra wire to my license plate bracket to keep it from whipping around. A young, friendly Forest Preserve police officer drove by and asked what "THAT" was and of course I told him about testing the ham radio antenna. He said he figured that is what it was but he seemed not personally interested, just doing his job I guess.

When I had it home attached to my Daiwa SWR & Power Meter, the SWR registered 1.5 on the low end (~145 MHz) up to around 1.7 at the high end (~147 MHz). I did not have a chance to use a network analyzer.

Not bad for a \$10 plastic antenna. Now if only I had 100 watts (and/or a 40 foot tower)! :)

Tom Lebryk KD9NP



*Silent Key*



Richard Wayne Fergus

November 13, 1930 ~ December 7, 2024

*Pilot Wings  
To  
Angel Wings*



Memorial was held in December



**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!*

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

weather.gov/safety

# How To Order Club Badges

Club name tag are done by: **Image Awards**  
1031E State Street  
Geneva IL

You can email your order to: [ImageAwards@SBCglobal.net](mailto:ImageAwards@SBCglobal.net)

**\*\* If using a credit card there is a 5% surcharge\*\***



Ask for the FRRLname badge  
and  
Don't forget to give them your name & call sign

Membership rates are as follows:

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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,

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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**




To advertise email: [NEWSLETTER@FRRL.ORG](mailto:NEWSLETTER@FRRL.ORG)



Golden Rules  
of Borrowing

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



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](http://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: TBD**  
**End:**

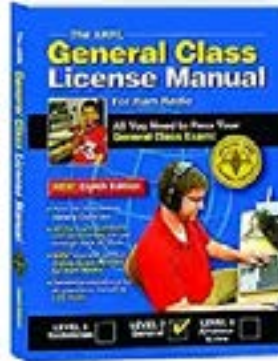
**Tech & General** classes are done on **Zoom**. The Meeting Link to be distributed prior to the class.



### General Class

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

**Start: 1/22/2025**  
**End:**



EXTRA classes are held in person at:

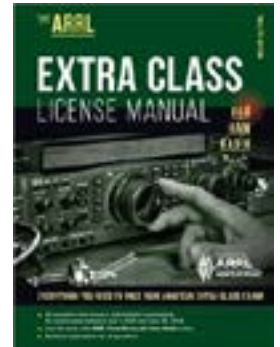


113 Oak St, North Aurora, IL 60542

### 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 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](mailto: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 odd month. Ad-hoc sessions are planned during major events and will be added to the schedule here as well.

Upcoming Testing Schedule for **2025**

January 16  
March 20  
May 15  
July 17  
September 18  
November 20



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](mailto:ve@frrl.org)

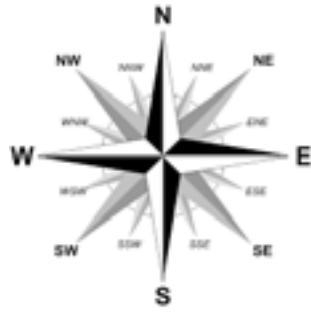
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## **Illinois Traffic Net**



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.

..... / ..... / ..... / ..... / .....



2025 New York City / Long Island Section Convention



Welcome to Ham Radio University 2025

Our 26th Annual Event - Saturday, January 4, 2025  
1st Forum - 9 AM Spreading Ham Radio Knowledge and Know-How Suggested Donation \$-10

"A Day of education to share ideas, experiences, knowledge and fellowship among Amateur Radio Operators"

Visit:

<https://hamradiouniversity.org/>

For More Information

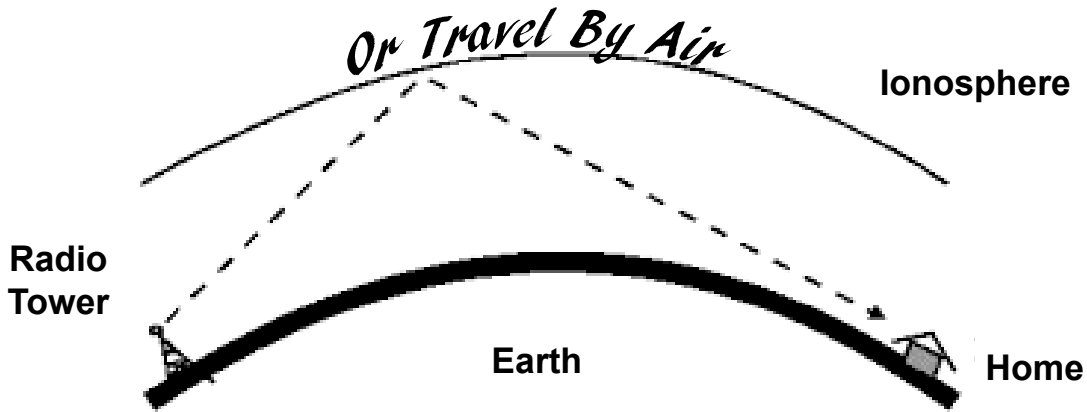


SLSRC Winterfest – January 18, 2025 – 8 am – 1 pm

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.](#)

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## 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](mailto: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



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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](#)



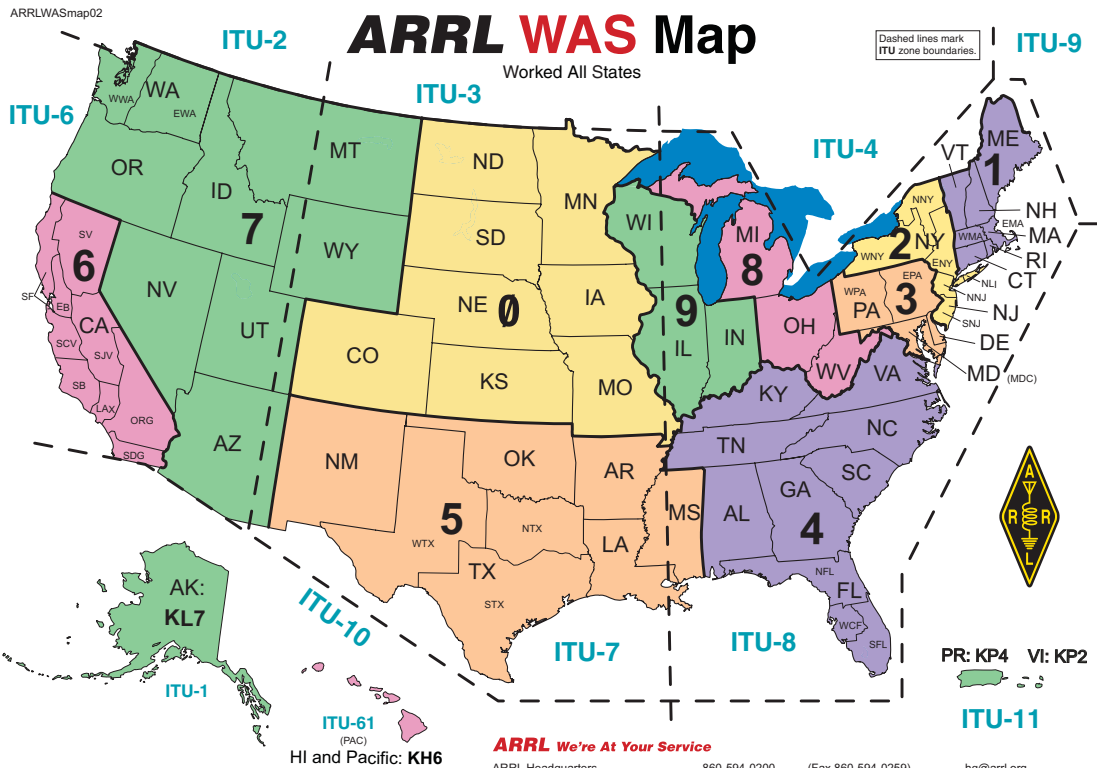
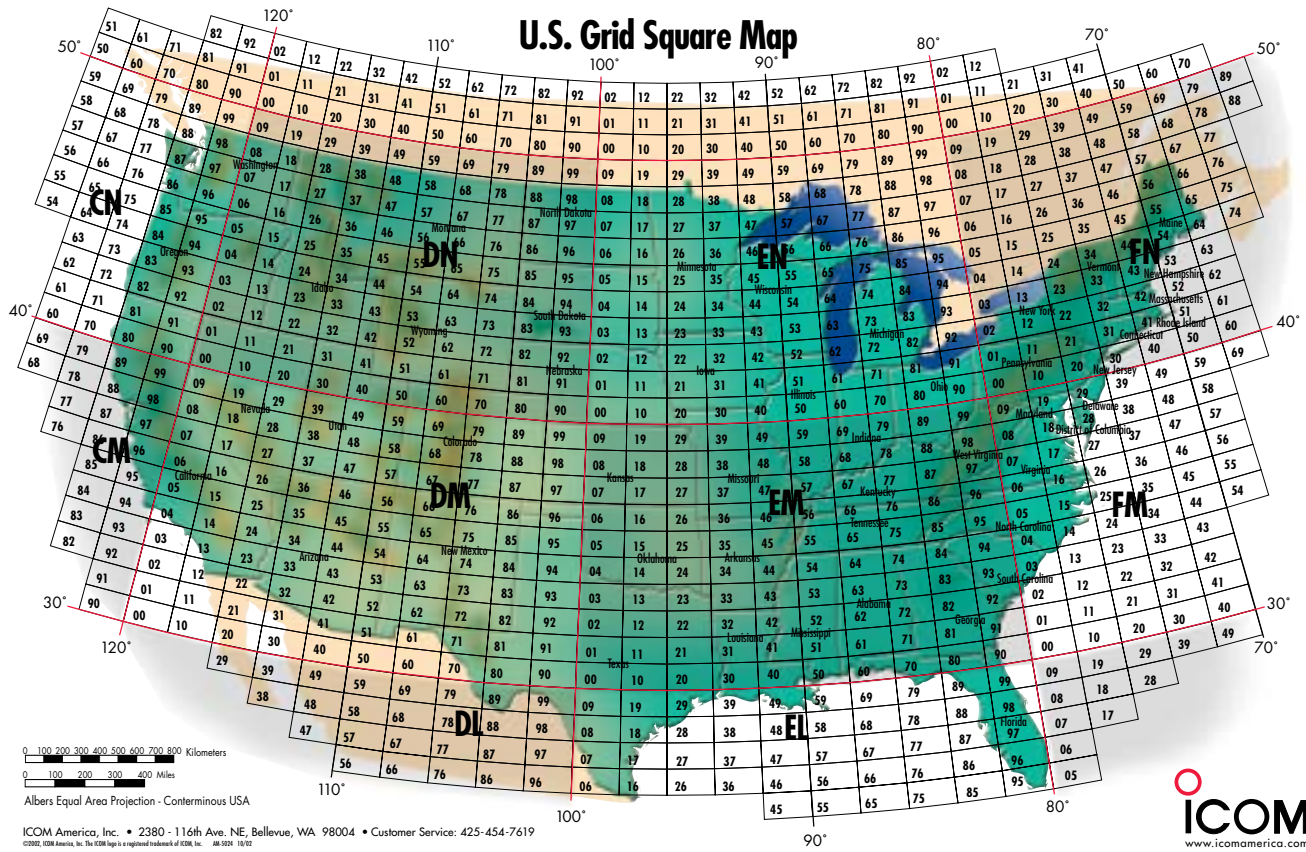
Kane County ARES

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

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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

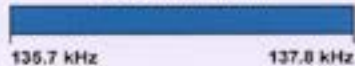
# US Amateur Radio Bands

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



## 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



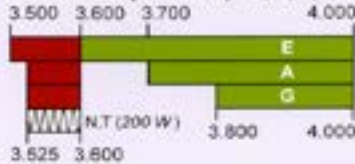
**160 Meters (1.8 MHz) E,A,G**



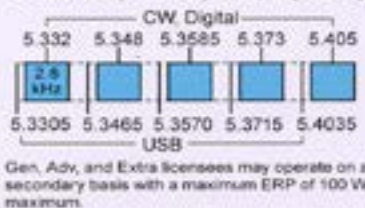
Amateurs wishing to operate on 2200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/utc-database-amateur-notification-process/>. You need only register once for each band.

## HF – High Frequency bands

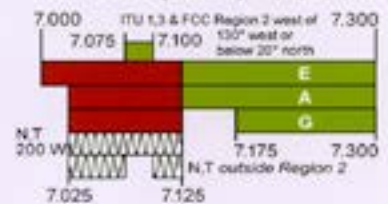
**80 Meters (3.5 MHz) E,A,G,T,N**



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



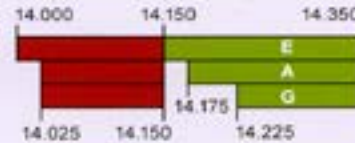
**40 Meters (7 MHz) E,A,G,T,N**



**30 Meters (10.1 MHz) E,A,G**



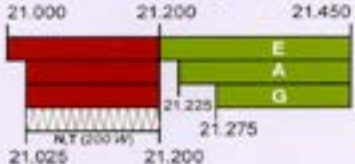
**20 Meters (14 MHz) E,A,G**



**17 Meters (18 MHz) E,A,G**



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



**12 Meters (24 MHz) E,A,G**

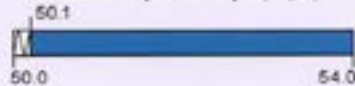


**10 Meters (28 MHz) E,A,G,T,N**

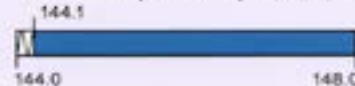


## VHF – Very High Frequency bands

**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

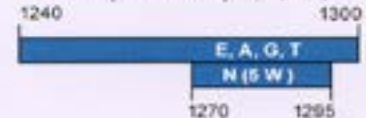
**70 cm (420 MHz) E,A,G,T**



**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

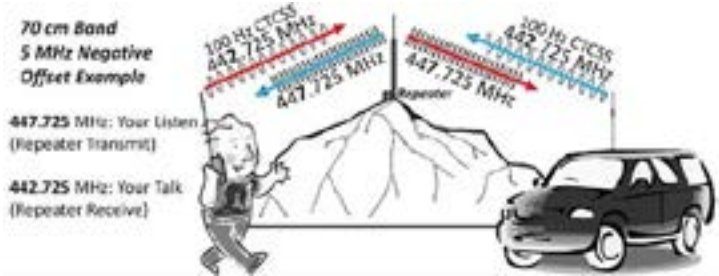
All licensees except Novices are authorized all modes on the following frequencies:

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](http://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 MHz 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**

**K9IIK/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 13  
Q1 "B"  
Q2 "B"