



# ARCOVER

NOVEMBER 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](mailto:info@frrl.org)  
Website: <http://www.frrl.org>






From  
*the desk*  
 of....

FRRL President



*Kermit Carlson*

President Carlson's message is on the next page. I placed it on top of a beautiful picture of the Aurora Borealis taken on October 10th at his granddaughter's soccer practice in MD.



Kurt Timmerman K9KPT handling radio traffic in support of the Chicago Marathon , October 13th 2024

Picture submitted by W9XA

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



Call Sign	Name	License
KE9ADR	Russell Johnson	General
KE9AKX	Jerome Matula	Technician

Greetings,

The FRRL ILQP (Illinois QSO PARTY) operation in Naperville that was organized by Denny Barfuss W9HI and Art Shuter NN9N was well attended. Lunch and Dinner was created by Jackie Urso N9ASL for the group. The participating in the ILQP Operation were; Denny W9HI, Art NN9I, Jim W9JB, Harry K9DXA, Dan WA9YKK, Mike K9FE, Jackie N9ASL, Jim W9NJP, Jim N9XP, Danny W9WDW and Tracy, John KC9OJV, Pat K9ANL, Ruben K9ARN, Manny KE9BCD and Joyce, Jerry KA9MVD, and Paul KC9SEB. The all day portable operation was held at the Springbrook Prairie Forest Preserve in Naperville on Sunday 10/22, it was a great success!

On Sunday October 13th, I was honored to be one of the Net Control Stations for the ham radio communications support for the Chicago Marathon. Medical support operations related communications traffic is handled on six Chicago area repeaters in support of the event. Sunday was a long day that began with an arrival at Forward Command in Grant Park at 4AM and ended with the tear-out of antennas and equipment later in the afternoon. Over 170 amateurs were involved in the communications efforts at three field hospitals and over twenty Course Medical Tents. Supervising the communications operation effort was Rob Orr K9RST and Kurt Timmerman K9KPT of the operating group called Ham Radio Chicago. Ham Radio Chicago is not a club but a larger group that organizes amateur radio communications public service events. If you are interested in participating in larger public service communications events in the Chicago Region for such events as the Chicago Marathon and Tour 'd Cure please give me a call for information, [W9XA@ARRL.org](mailto:W9XA@ARRL.org)

The Education Committee under the the direction of Dan Noland, WA9FRY, will begin classes for the Technician Class license with the first class on Wednesday October 30th. For more information please check out the FRRL Education page at: <https://www.frri.org/education.php> . The Classes are free but we do need to get a head count so please email Education [at] FRRL.ORG to register for the class. The ARRL offers the Ham Radio License Manual that will be used in this class. Books are available for purchase through the club at a discounted rate of \$27. The link to purchase the book is on the Education webpage.

Elections for Club offices of two (2) Directors and Officers will be held at the December meeting. The FRRL 2024 Nomination Committee, which is comprised of Mike Upham WT9G, Mike Urso K9FE and Denny Barfuss W9HI, are searching for members interested in serving on the FRRL Board. The Nomination Committee is charged with presenting a list of candidates to FRRL Membership at the November meeting who will appear on the FRRL ballot in December. If you are interested in participating on the FRRL management team please contact Mike Denny or Mike. Balloting at the December meeting does allow for write-in votes.

The Next FRRL Board meeting will be held at Pal Joey's on River Street in Batavia on Tuesday November 5th at 6:30PM. Our next FRRL Membership meeting will be the Second Tuesday of the Month, November 12th, starting at 7:30PM at the Community Room of Bethany Lutheran Church, located at Wilson and Lincoln Streets in Batavia.

This past month the arrival of the Solar Activity Maximum provided the area with three occasions of visible Aurora Borealis in the local area as a result of three of the strongest Coronal Mass Ejections of the past twenty years. Although the CME's provided HF radio black-outs a few minutes after the flares and the Aurora a day later, this is the harbinger of great HF conditions attendant with higher solar activity. The Auroral activity was even strong enough to create Auroral-E skip on the VHF bands. This solar maximum is expected to last one to two years at the current Sun Spot Numbers or higher. So NOW is the time to enjoy some of the best HF propagation in the past few decades.

GUD DX es 73,  
Kermit W9XA





# ARC OVER

## FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES October 8, 2024

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

Meeting Minutes October 8, 2024.

The October meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 47 members in attendance and 3 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 August 2024 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion moved by Dean KC9EOQ, 2nd Curt W9YNP.

Treasurer's Report: Dan WA9YKK reported the bank account balances as of October 8, 2024.

Reports:

100th Anniversary Committee Eve W9EVE: Life members will receive a Glass and a program. Glasses are for sale. The banquet was a great success.

Special presentation: Congressional presentation: A copy of the Congressional Record Document that was entered by Congressman Bill Foster in recognition of the 100 Year Anniversary of the Fox River Radio League.

This document was presented to the club at the October 10th meeting by Hilary Denk, District Director for Congressman Bill Foster.



Club Activities: Paul KC9SEB: program tonight presented by John KC9OJV on the Hermes – 2 SDR antenna.  
Membership/ Database: Curt W9YNP advised we currently have 189 members and 143 members groups IO.  
VE Update Denny W9HI: Two Tech and two general licenses achieved in the last test session.  
Repeater: Kermit W9XA reported all repeaters are working well. Working on relocating the 220 repeater.  
Education: Dan WA9FRY - Tech class starts on November 30th and will run for nine weeks concluding December 30th.  
New business: Nominating Committee has been appointed. The members of this committee are as follows:

Mike Urso K9FE

Denny Barfuss W9HI

Mike Upham WT9G

**Patrick K9ANL reported that we will have two tables at the CSRA Swapfest for use by the club members.**

**Center pieces from the banquet will be for sale for \$20.00 with \$10.00 of each being donated to the club by Nancy Chapman. They will need to be ordered. Thank you Nancy.**

**Illinois QSO Party: Sunday Oct. 20th at Springbrook Prairie. Operation starts at 17:00.**

**Old Business:**

**Surplus Equipment Ad-Hoc Committee: Dan WA9FRY presented a report on distribution of donated equipment. He also announced there will be a silent auction of equipment at future club meetings.**

**New Business:**

**Illinois QSO party Oct 20.**

**Newsletter deadline Oct 20,**

**Adjournment:**

**Motion to adjourn by Robert W9DSR, 2nd Jim W9XP. The meeting was adjourned at 8:19 CDT.**

**Respectfully submitted,**

**Art Shuter NN9I**

**FRRL Secretary**

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Meeting Pictures



# NOVEMBER

2024

FRRL

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
 3	CW NET 28.150 2000  SSB NET 28.720 2030 4	 5 <b>1900 FRRL BOD Meeting</b> 1930 FRRL 2m Net	1930 FRRL 220 Net 223.86 - 110.9 6	7	8	9
10 <b>INFORMAL ALL OPR NET 1900</b>	 11	<b>1930 FRRL Membership Meeting No Net</b> 12	<b>No 220 Net</b> 13	14	15	16
17 <b>INFORMAL ALL OPR NET 1900</b>	CW NET 28.150 2000  SSB NET 28.720 2030 18	1930 FRRL 2m Net 19	1930 FRRL 220 Net <b>NEWSLETTER DEADLINE</b> 20	 21	22	23
24 <b>INFORMAL ALL OPR NET 1900</b>	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
<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*

**SILENT  
AUCTION**

# NOVEMBER

Change Your Clock



Change Your Battery

# VE Testing



**Club Officer  
and  
Director  
Nominations**



**A Very Busy  
Month !!**



## **ARRL Learning Center Features Two New Emergency Communication Training Courses**

ARRL has released two new courses to train emergency communications (EmComm) operators for volunteering within the Amateur Radio Emergency Service® (ARES®). Both courses are within the ARRL Learning Center.

The Basic EmComm course is designed to get a new volunteer started. It provides basic knowledge and tools for any emergency communications volunteer and contains three modules and 11 topics, including required prerequisites. It's expected to take approximately 10 - 20 hours to complete.

The Intermediate EmComm course builds on the lessons learned in the first course and equips volunteer radio amateurs with the tools needed to thrive in the fast-paced environment of public service communications and to understand the legal rights and responsibilities of working with a served agency, as well as teach them and how ham radio fits into the broader incident command (IC) structure.

The new courses replace the previous EC-001 and EC-016 programs, however, certificates of completion earned for the previous courses are still valid. "Training is not a one-and-done thing. Throughout my firefighting and emergency management career, we were constantly taking new courses to reinforce existing knowledge and introduce new concepts," said ARRL Director of Emergency Management Josh Johnston, KE5MHV. "Engaged volunteers should want to stay up to date on advances in the science of emergency communications. I'd even encourage veteran operators to take the new courses."

In 2023, the Federal Emergency Management Agency (FEMA) revised the Guide for National Emergency Preparedness to specifically include amateur radio. ARRL and FEMA entered into a new Memoranda of Understanding in May 2023 that outlined the importance of trained radio amateurs within the response ecosystem.

"Amateur radio is as important as ever in emergency management," said Johnston. "The new courses will keep hams trained to serve effectively."

The ARRL Learning Center at [learn.arrl.org](http://learn.arrl.org) is a member benefit and features many ways to get the most out of your amateur radio license. The Basic and Intermediate EmComm courses are available to anyone with a free [www.arrl.org](http://www.arrl.org) account. Users must log in to the ARRL Learning Center with this account, and functionality of the site relies on cookies being enabled.

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### **November Meeting Program Titled: "Are You Ready?" Emergency Communications**

Presented by Paul Mitchell







**Lynton Norstad**  
**WOLEN**  
**1943-2024**



Lynton Norstad, 81 of St. Charles passed away peacefully on September 26,2024. Lyn was born on March 3,1943 in Northfield, Minnesota and resided in the area for many years. He graduated from the University of Minnesota with a degree in Mechanical Engineering.

In 1979 he moved to the Chicago area where he met his wife Barbara and they were married in 1980. In 1981 they started a multi-image and technology business and worked together for 35 years.

Lyn was an active member of Christ Community Church where he enjoyed serving on the technical crew of the Creative Arts Ministry and also served for a time as a Trustee and a Community group leader. He was also involved in a local Ham Radio group and headed up groups for training in emergency communications. Lyn enjoyed teaching others about technology and had a passion for anything in that field.

He is survived by his wife Barbara, son Scott (Renee), daughter Michelle (Brian), Grandsons Steven (Cassie) and Ryan. Also by his sister in law Faith (David) and niece, nephew and great nephews.

Visitation was held at Christ Community Church St. Charles/South Elgin Campus on Friday, October 18th.





## 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

Pictures of items up for auction in November



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	
2	Heathkit	SB-101 & HP23C pwr.supply & speaker	Transceiver	11/12/2024
1	Heathkit	HW-101 (no pwr. supply or spkr.)	Transceiver	
1	Henry Radio	Tempo One & pwr. supply & spkr.)	Transceiver	
1	Kenwood	TS 830 S	Transceiver	1/14/2025
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	





**Acrylic FRRL Centennial Center Pieces  
For Sale  
\$20.00 Each (portion will be donated to the  
FRRL repeater fund)  
Orders will be taken at the November member  
meeting.  
See Evelyn W9EVE  
or  
Jerry N9JLC**



**FRRL Centennial Glasses  
For Sale  
\$5.00 Each  
Money will go to the club.  
First Come First Serve Until Glasses are gone.  
See Evelyn W9EVE**

Please use this link to enjoy the pictures from the 100th Anniversary Banquet.  
100th Anniversary Celebration Banquet Photos - Sept 10, 2024



[Click Here](#)

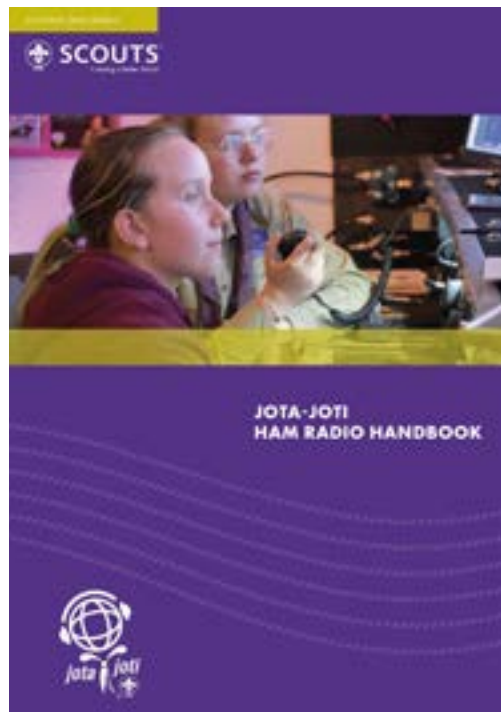


## What is JOTA-JOTI?

A Jamboree is a large gathering of Scouts, either global or national, and traces its roots back to the early days of Scouting in the last century. The first World Scout Jamboree was held in 1920, and it still takes place every four years.

As ham radio became popular among Scouts, the idea of holding a Jamboree remotely, using ham radio: the “Jamboree on the Air” was born and first held in 1957. Later, when the internet became increasingly popular, the “Jamboree on the Internet” was created in 1995. Today, the two events have merged into a single experience called JOTA-JOTI.

JOTA-JOTI always takes place on the third weekend of October, with over 2 million Scouts participating.



I came across this and thought it was interesting...



[Click Here](#)

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Attached (page 12) is a copy of the Congressional Record Document that was entered by Congressman Bill Foster in recognition of the 100 Year Anniversary of the Fox River Radio League.

This document was presented to the club at the October 10th meeting by Hilary Denk, District Director for Congressman Bill Foster. We are so blessed as a club to have this recognition. Keep up the good work and remember Can't Ever Quit..

73, Denny W9HI



**Can't Ever Quit !!**





# Congressional Record

PROCEEDINGS AND DEBATES OF THE 118<sup>th</sup> CONGRESS, SECOND SESSION

## House of Representatives

### Celebrating the 100th Anniversary of the Fox River Radio League

HON. BILL FOSTER  
OF ILLINOIS  
IN THE HOUSE OF REPRESENTATIVES  
October 8, 2024

Mr. FOSTER. Mr. Speaker, I rise today to celebrate the 100th anniversary of the Fox River Radio League, one of the longest running amateur radio organizations in our country. Founded in 1924, the Fox River Radio League emerged from the passion and determination of young radio enthusiasts in the Aurora area. These pioneers delved into the worlds of radio theory and Morse code, inspired by the model of the national Amateur Radio Relay League, which had been established a decade earlier in 1914.

When we reflect on the early 20th Century, we recognize it as a time of innovation in wireless communications. The wartime use of radio demonstrated its tremendous potential, highlighting the critical role this technology would play in connecting people across great distances.

In the post-war era, the fascination with radio blossomed, evolving rapidly to encompass new possibilities. Today, we are able to communicate across boundaries that once seemed insurmountable—sending signals that can bounce off the moon, transmitting and receiving digital messages, and establishing communications with astronauts aboard the International Space Station.

Currently, there are over 778,000 licensed amateur radio operators in the United States, each contributing to a network of communication that fosters connectivity and collaboration. Among these esteemed operators is the Fox River Radio League, with its 160 enthusiastic members—an eclectic group spanning from pre-teens to retirees. These dedicated individuals gather monthly in Batavia, Illinois, finding community and joy in their shared passion for this historic hobby. But their contributions extend far beyond personal enjoyment. The members of the Fox River Radio League play a vital role in providing assistance during emergencies, supporting public events, and ensuring safety through on-scene communications.

Mr. Speaker, I am proud that the Fox River Radio League serves as a beacon of community spirit and effective communication in my district. I ask my colleagues to join me in celebrating this centennial achievement and thanking Kermit Carlson, the current President of the Fox River Radio League, as well as to all their vibrant members. Their dedication to connecting people and providing valuable services exemplifies the very best of civic engagement. May the Fox River Radio League continue to inspire and connect people, spreading the love of amateur radio for generations to come.

*Bill Foster*



If you believe someone would make a good FRRL Club officer or director please nominate them. If you yourself would like to run for a position feel free to nominate yourself.



Voting Instructions will be given at a later date.

**To Nominate contact:**

**Mike Urso K9FE k9fe@yahoo.com**  
or  
**Denny Barfuss W9HI dbarfuss1@gmail.com**  
or  
**Mike Upham WT9G mupham9@gmail.com**



**FRRL Table At The CSRA Swapmeet**

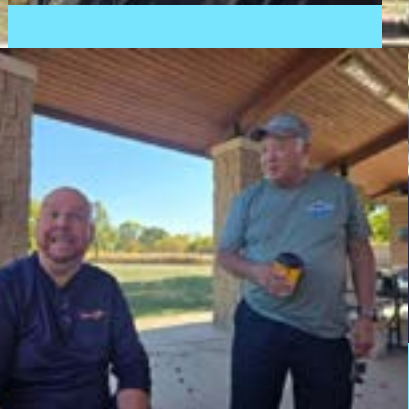
General Question Pool G4E01

What is the purpose of a capacitance hat on a mobile antenna ?

Answer on bottom of page 27

- A. To increase the power handling capacity of a whip antenna
- B. To reduce radiation resistance
- C. To electrically lengthen a physically short antenna
- D, To Lower the radiation angle





ILLINOIS  
QSO  
PARTY





# 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](mailto:ImageAwards@SBCglobal.net)**

Ask for the FRRL Name Badge and provide Name and Callsign

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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**






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



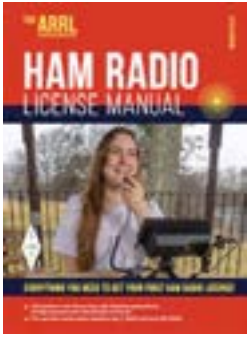
**Tuesday**  
 1930 (7:30 pm) local time  
 147.21 103.5PL +600  
 Except for the 2nd Wednesday of the month



**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.



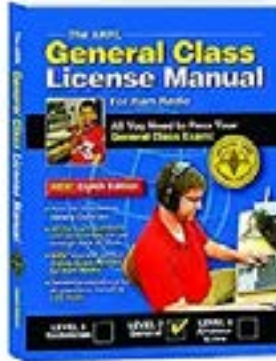
**Technician Class**

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

**Start: 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:

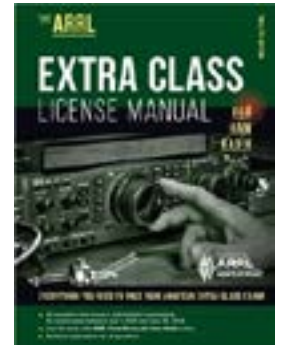


113 Oak St, North Aurora, IL 60542

**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 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:

November 21, 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](mailto:ve@frrl.org)

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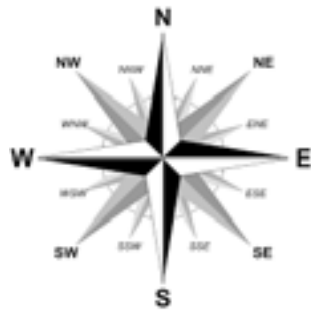
## **Illinois Traffic Net**



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.

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



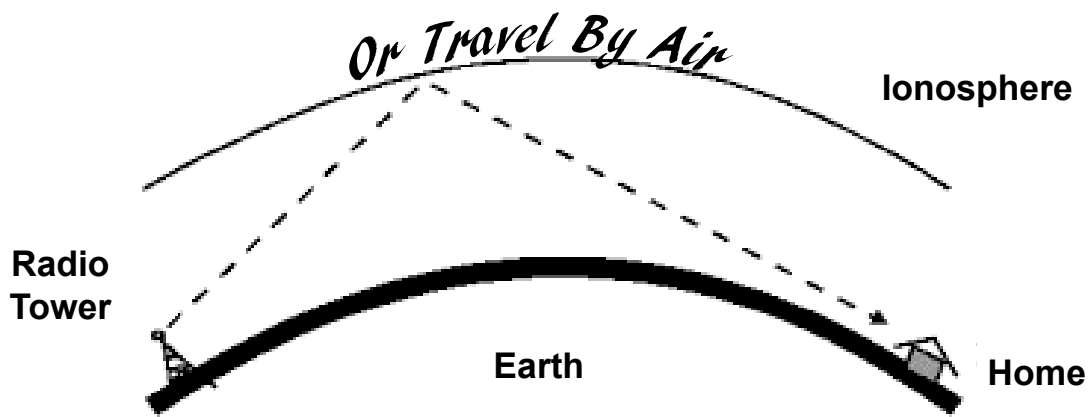


# 52<sup>nd</sup> FORT WAYNE HAMFEST & Computer Expo

November  
16 & 17  
2024

SAT 9 AM to 4 PM  
SUN 9 AM to 2 PM

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



# 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](#)



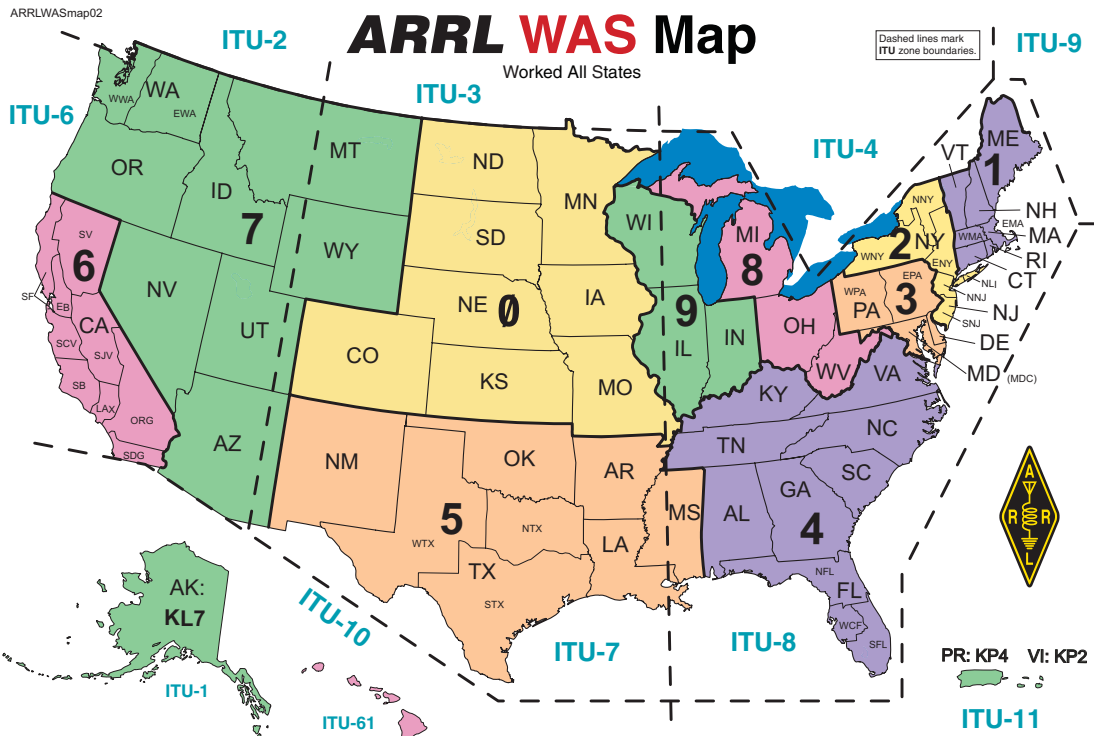
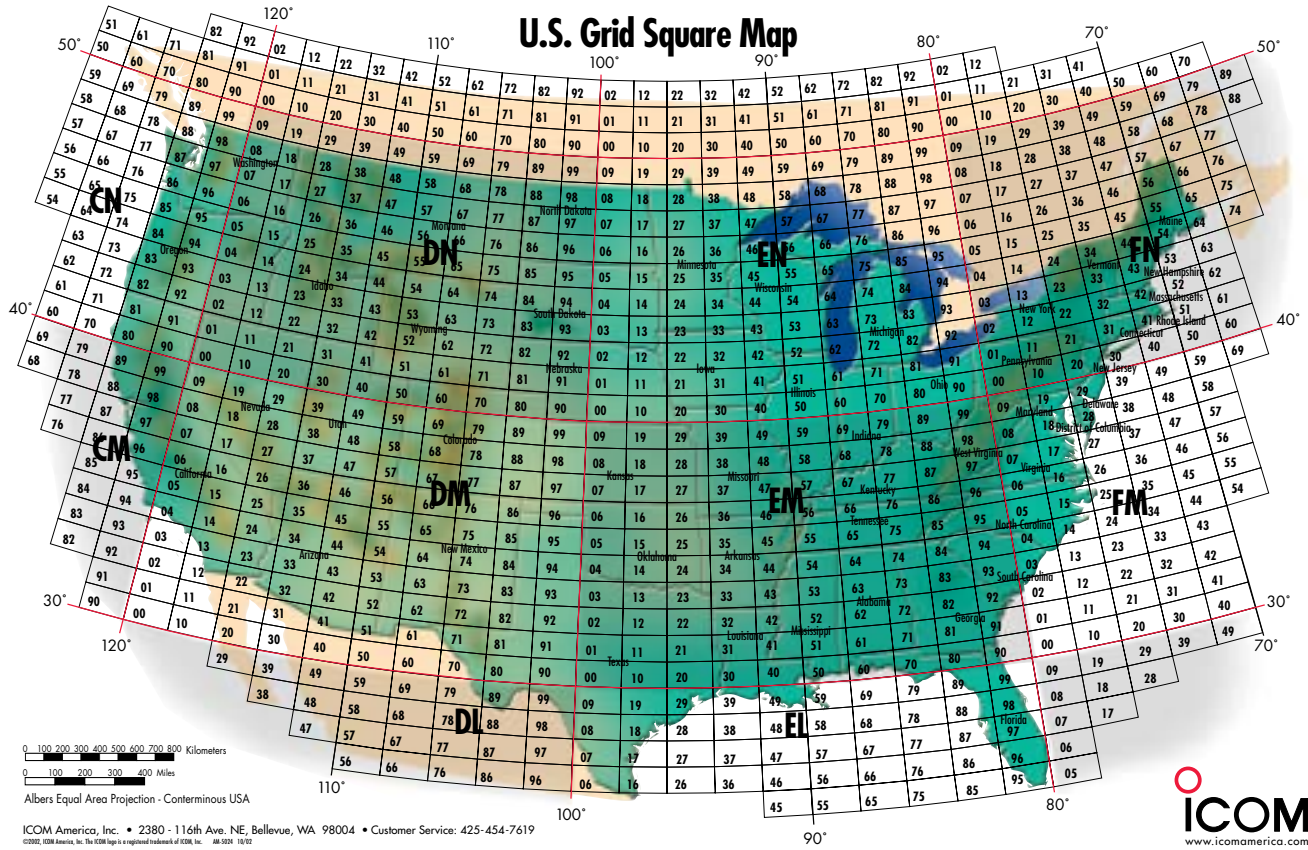
Kane County ARES

Information

[Click Here](#)







**ARRL** The national association for  
**AMATEUR RADIO**

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**ARRL We're At Your Service**

ARRL Headquarters  
Publication Orders  
Membership/Circulation Desk  
Getting Started in Amateur Radio  
Exams  
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



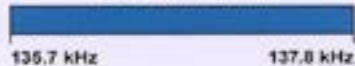
# US Amateur Radio Bands

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



## 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



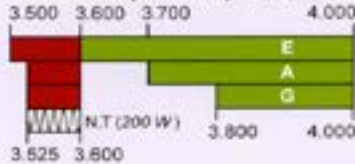
**160 Meters (1.8 MHz) E,A,G**



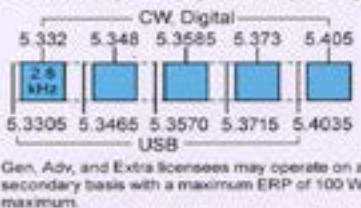
Amateurs wishing to operate on 2200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/utc-database-amateur-notification-process/>. You need only register once for each band.

## HF – High Frequency bands

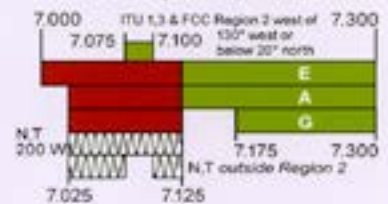
**80 Meters (3.5 MHz) E,A,G,T,N**



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



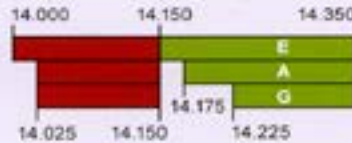
**40 Meters (7 MHz) E,A,G,T,N**



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



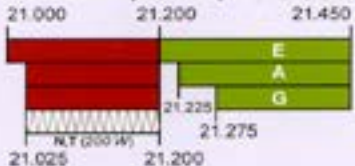
**20 Meters (14 MHz) E,A,G**



**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**

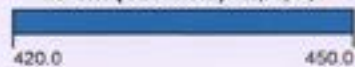


**1.25 Meters (222 MHz) E,A,G,T,N**



## UHF – Ultra High Frequency bands

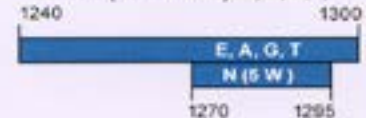
**70 cm (420 MHz) E,A,G,T**



**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:

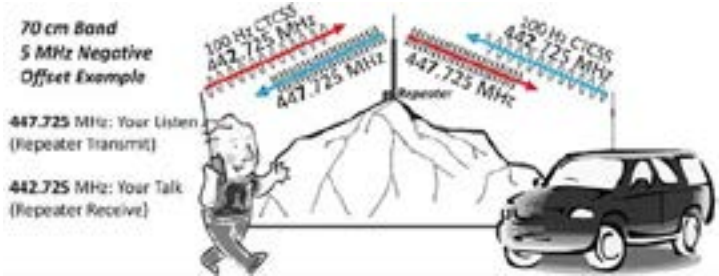
2300-2310 MHz    3300-3500 MHz    10.0-10.5 GHz    47.0-47.2 GHz    122.25-123.0 GHz    241-250 GHz  
2390-2450 MHz    5650-5925 MHz    24.0-24.25 GHz    76.0-81.0 GHz    134-141 GHz    All above 275 GHz

See [www.ant.org/band-plan](http://www.ant.org/band-plan) for detailed band plans.

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OTA bands 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**

**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

G4E01 Answer is  
"C"

