

# ARCOVER

August 2024 Revised



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*

Thank you to everyone who participated in the ARRL Field Day - it was a spectacular event. I especially want to thank the organizers, Band Captains, and volunteers who secured the site before the 10PM arrival of thunderstorms, and then returned early Sunday to resume the operations.

The FRRL 100th Anniversary Banquet is just around the corner ! Carl Luetzelschwab, K9LA, renowned Author, Engineer and ARRL Central Division Director will be our Keynote Speaker. Carl will present a timeline of Amateur Radio from the beginning to the present day.

The National Night Out will be held the First Tuesday of August, the 6th. There will be two locations where the FRRL will be present. If you want to join the group in Elburn please contact Jerry Chapman, N9JLC at [jlc911@yahoo.com](mailto:jlc911@yahoo.com); if you would like to join the group at Campton Hills please contact Dan Harmon, WA9YKK, at [WA9YKK@ARRL.net](mailto:WA9YKK@ARRL.net)

Since the National Night Out will occur on the normal meeting night for the FRRL Board meeting, please note that the Board Meeting will be held the next day, Wednesday August 7th. The Membership meeting will be held on the 2nd Tuesday as normal on the 13th of August.

I look forward to seeing you there - and on the AIR.

73, Kermit W9XA

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



<b>Call Sign</b>	<b>Name</b>	<b>License</b>
AA8BB	Jim Fendrick	Amateur Extra
KB9UGJ	Lucas Childers	Technician



# ARC OVER

## FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES

July 9, 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 July 9, 2024.

The June meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 61 members in attendance and 12 members attended via Zoom.

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

All Board members were present.

President- Kermit Carlson K9XA  
Vice President-Dan Nolan WA9FRY  
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 June 2024 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion by Dean KC9EOQ, 2nd Denny W9HI.

Treasurer's Report: Dan WA9YKK reported the account bank balances as of June 11, 2024.

Reports: Motion by Don WA9FZE to give a weather radio to Bethany Church, 2<sup>nd</sup> by Dan KA9YKK. Motion passed.

Dean KC9EOQ introduced a video of Mike K9FE and Eve W9EVE in an interview on Naperville's tv station NC17 talking about ham radio and the 100<sup>th</sup> celebration.

100<sup>th</sup> Anniversary Committee Eve W9EVE: Plans for the banquet on September 10<sup>th</sup> at 5pm are proceeding. Thanks to all the members who are working to make it a success.



Special Operating Event: Gary K9MMS: A video was presented showing the club members and how they activated stations celebrating the 100<sup>th</sup> anniversary. The movie was produced by Greg N9CHA. Gary gave a detailed report about all the members who participated and the contacts that were made. QSL cards and certificates will be issued.

Club Activities: Paul KC9SEB: Program in August will be by Jerry KA9VMD on "Keeping the peace in your neighborhood." Kirk K9MSG will activate a POTA station in Morris on Friday 7/19/24. This is open to all members.

Field Day: Patrick K9ANL: A video taken at Field Day by Greg N9CHA was shown. Pat expressed thanks to the many members that helped to make it a success and showed charts with information about points achieved.

Membership/ Database: Curt W9YNP advised we currently have 161 members. Kermit introduced the new club badge that can be ordered for \$20.00.

VE Update: Denny W9HI: VE session on July 18<sup>th</sup>. We are in need of more volunteer examiners.

Technical: John KC9OJV showed an antenna that might be a nice project for club members to make.

Repeater: Kermit, W9XA advises that all repeaters are operating normally.

Old Business:

Logo Wear Ad-Hoc Committee: Kermit W9XA thanked Tobi for putting together the T-Shirt orders.

Surplus Equipment Ad-Hoc Committee: Dan WA9FRY: Dan had list on all tables of radios owned by the club that are available. Members may indicate their interest in acquiring any of these radios.

New Business:

ARRL Club insurance was renewed by Dan WA9YKK.

National Night Out: August 6

Newsletter deadline: July 20

FRRL board meeting Wednesday August 7th

Membership meeting August 13

Adjournment:

Motion to adjourn by K9FE, 2<sup>nd</sup> WA9FRY. Meeting adjourned at 8:54CDT.

Program: Rob Orr K9RST from Ham Radio Chicago will talk about the communications support for large scale Public Service events.

Respectfully submitted,

**Art Shuter NN9I**

FRRL Secretary



#### CORRECTIONS:

Regarding the FRRL July 2024 Special Edition Newsletter,  
and the article "FRRL 100 Years – Glimpses of FRRL Field Day History"

On pages 10 and 11, the location is incorrectly stated as the Aurora Police FOP Lodge. It should be listed as the Kane County Sheriff,s Police, Fraternal Order of Police Lodge #14 (FOP)

The spelling of the location name, formerly being a Boy Scout Camp, should be corrected from KaDeKa to KeDeKa (Kendall, DeKalb, Kane).











Thanks to KC9EOQ Dean for advising of the needed corrections.



# 2024



# FOX RIVER RADIO LEAGUE

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4 INFORMAL ALL OPR NET 1900	5 CW NET 28.150 2000  SSB NET 28.720 2030	6 1900 FRRL BOD Meeting 1930 FRRL 2m Net	7 1930 FRRL 220 Net 223.86 - 110.9	8	9 	10
11 INFORMAL ALL OPR NET 1900	12 CW NET 28.150 2000  SSB NET 28.720 2030	13 1930 FRRL Membership Meeting No Net	14 No 220 Net	15	16	17
18 INFORMAL ALL OPR NET 1900	19 CW NET 28.150 2000  SSB NET 28.720 2030	20 NEWSLETTER DEADLINE 1930 FRRL 2m Net	21 1930 FRRL 220 Net 223.86 - 110.9	22	23	24
25 INFORMAL ALL OPR NET 1900	26 CW NET 28.150 2000  SSB NET 28.720 2030	27 1930 FRRL 2m Net	28 1930 FRRL 220 Net 223.86 - 110.9	29	30	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 Centennial -- Special Radio Operation Event -- Status Report

As previously announced in the ArcOver and at FRRL membership meetings, a special on -their operating event took place from June 1 through 15, 2024. Since I did not see a lot of operator sign-ups for time slots in the online schedule prior to the event, I had some concerns about the anticipated level of participation by members operating as W9CEQ. Fortunately, several members did eventually participate to facilitate putting W9CEQ on the air.

#### **CERTIFICATES AND QSL CARDS:**

**All FRRL members who made a QSO with W9CEQ, using their own call sign, during this event will receive both a commemorative certificate and QSL card to confirm that communication. Previously, it was stated that a formal request should be submitted, along with data about the QSO, in order to obtain these items. That is no longer a requirement. All FRRL members who made one or more QSOs with W9CEQ via their own call, and if their call is found in the master W9CEQ log from this event, will automatically be given both a certificate and QSL card.**

**Currently, 24 FRRL members were found in the W9CEQ master log.** An email was sent to all FRRL members, and it contained a list of those found in the W9CEQ master log for this event. If you contacted W9CEQ using your own call during June 1-15, and you do not see your call sign in the list, please contact K9MMS Gary to have the issue checked and resolved.

Contact via email using [K9MMS@arrl.net](mailto:K9MMS@arrl.net) or [K9MMS@comcast.net](mailto:K9MMS@comcast.net)

**FRRL members found in the W9CEQ master log: K9ANL, K9ARZ, N9CHA, NF9D, WA9E, K9FE, K9GHP, W9HI, N9HSJ, NN9I, W9JB, K9MEV, K9MMS, WB0OET, KC9OJV, K9PW, KD9TTV, W9TVE, W9XA, K9XP, N9XP, W9YNP, W9YU, N9IRS.**

**All FRRL members who operated as W9CEQ during the special event will receive a commemorative certificate acknowledging their participation and level of effort. A request to receive these is not necessary. In addition, all FRRL members who operated as W9CEQ during this event, and if they made 100 or more QSOs, will receive an additional, special award at the FRRL centennial banquet in September.**



The distribution of FRRL centennial certificates and QSL cards to members is planned to begin at the August regular membership meeting. This is both for W9CEQ operators as well as all those having made a QSO with W9CEQ. Any of these items not received or picked up at this meeting will be made available for pick up at the banquet in September. After that time, if any such items remain unclaimed, arrangements for can be made for mailing.

#### **NON-MEMBER MAIL REQUESTS RECEIVED:**

(As of July 18, 2024)

Certificate and QSL: 16

QSL Only (SASE Received): 25

#### **MATERIALS:**

QSL Cards: Received from printer

Certificates: Most materials already received.

#### **PREPARATION OF MASTER LOG:**

The logs from the W9CEQ operators were received in various formats – Cabrillo, ADI, copy of paper log, and email notes. All logs were reformatted as needed. Larger ADI logs were first converted in to Cabrillo format. A Microsoft EXCEL file was made which served as a master log template. Each of the 17 logs was then converted into an EXCEL log, which corresponded to the master log format. The small paper logs and email-note logs were each manually entered into a standardized EXCEL file. Then, each of the 17 logs was imported into one master EXCEL log file for all W9CEQ operations. The log file fields are: QSO ALL (number for all 1351), DATE, UTC, BAND, FREQ, MODE, WORKED (call of station worked), SENT, RCVD (signal reports), QTH, OP STN (call of operator), and REM (remark/s).

To assist with reviewing the master log for analyses and statistics, it was sorted in multiple ways. By:

Original Log (in sequence of all 17 imported logs,

CALL-DATE-UTC ; QTH-CALL-DATE [ CALL = WORKED (call of station worked) ]

#### **SUMMARY OF RESULTS:**

Summaries of the results of this event were given at the July membership meeting. In addition, a short video about the special event was shown. N9CHA Greg composed the video, and it included video clips made by N9DEE Kathy during the Elburn special operations on June 15.

Summaries of the Special Event operations and results are also given below.

#### **GEOGRAPHIC LOCATIONS WORKED:**

( QTH data missing in some logs)

48 US STATES ( Missed AK and SD )

6 CANADIAN PROVINCES ( 1 – 4, 7, 9 )

58 DXCC ENTITIES ( ~ COUNTRIES )

6 CONTINENTS ( NA, SA, EU, AF, AS, OC )

**To all FRRL members who operated as W9CEQ, and to those who made a QSO with W9CEQ during this event:**

**Whether you made 1, a few, or many QSOs, your time, effort, and participation are greatly appreciated. You all helped to make this special event a success. Thank You!**

73, K9MMS Gary Hornbuckle



### QSOs PER W9CEQ OPERATOR

OPERATOR	CW	SSB	FT8	Other DIGI	2m FM	TOTAL
▶ AH6EZ /W7			105	13		118
K0LGE		37				37
K9ANL		36				36
▶ K9DXA	111					111
▶ K9MEV			200			200
▶ K9MMS	188	295	43			526
KA7YHA		10				10
KC9OJV		7				7
KC9SEB			8			8
N9JLC					4	4
▶ N9XP		1	108		1	110
W9JB					2	2
W9TVE		21				21
W9XA					1	1
W9YNP			21			21
▶ W9ZVE		100				100
WT9G			39			39
<b>TOTAL</b>	<b>299</b>	<b>507</b>	<b>524</b>	<b>13</b>	<b>8</b>	<b>1351</b>
% of Total	22.1	37.5	38.8	1	0.6	100
	<b>DIGI Total =</b>		<b>537</b>	<b>39.8 %</b>		
% of Total	22.1	37.5	39.8		0.6	100

**17 OPERATORS**

- ▶ **6 OPERATORS MADE >= 100 QSOs**
- 11 OPERATORS MADE LESS THAN 40 QSOs**
- 14 OPERATORS USED ONLY ONE MODE**





# National Radio Day

Radio stations air the big news. Today is National Radio Day. This August 20 holiday celebrates a great invention and communications medium. Radio waves transmit music, commentary, sports games, and news to literally everyone in the world. Radios play a vital role in keeping us informed.



The invention of the radio dates back to the late 1800s. Several inventors played a role in creating this important medium. A number of inventions and discoveries were required to make the radio a reality. This includes both transmission and reception methods and technology. The radio partially evolved from the telegraph and the telephone. The wireless telegraph directly contributed to its invention.

## Bacon Day

(August 31st)

Today is a crisp and sizzling holiday. Bacon Day and International Bacon Day are two separate holidays. They both celebrate on crispy strips of salted pork. While it is not healthy for you, it tastes so good, that people just can't resist eating it. Today is a day to thoroughly enjoy it at every meal. You can return to a healthier diet tomorrow. Snack time, too. It is recommended that you consume it in social gatherings, too. So, go ahead, and have a bacon party!!



Editors Note: Sorry I just couldn't pass this one up !!

## ARRL Field Day Numbers

The numbers for ARRL 2024 Field Day continue to grow. As of Thursday, July 11, there were nearly 3,500 entries posted. Deadline for entries is July 23rd...

to check the ARRL Field Day website daily for the latest updates and to make sure your entries are completed [CLICK HERE](#)



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## 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**



# Bonus Points



Bonus	Points	Status
100% emergency power	800	
Media publicity	100	Documented by FedEx Scan 2024-07-06_12-32-43.pdf
Public location	100	
Public information table	100	
Formal message to ARRL SM/SEC	100	Documented by RadiogramFieldDay2024_W9RY.PDF
W1AW Field Day message	100	Documented by Field Day 2024 Bulletin PDF.pdf
Formal messages handled (10 x 10, max of 100)	100	Documented by RadiogramFieldDay2024_W9FE.PDF
Site visit by invited served agency	100	
Educational activity	100	
Youth participation (10 x 20, max of 100)	100	
Safety officer	100	Documented by KD9TTV Safety Officer check list and signatures.pdf
Social media	100	
GOTA Station	325	
GOTA Coach	100	
Entry submitted via web	50	
<b>Total bonus points</b>	<b>2,375</b>	

# Score Summary

	CW	Digital	Phone	Total	
Total QSOs	963	573	992		
Total Points	1926	1146	992	<b>4064</b>	Claimed Score = (QSO points x power mult) = 8,128

Band/Mode QSO Breakdown						
Band	CW		Digital		Phone	
	QSOs	Pwr(W)	QSOs	Pwr(W)	QSOs	Pwr(W)
160m						
80m			82	100		
40m	605	100	190	100	621	100
20m	285	100	205	100	118	100
15m	73	100	23	100	169	100
10m			52	100	19	100
6m			21	100		
2m						
222						
432						
Other						
Satellite						
GOTA					65	100
<b>Total</b>	<b>963</b>		<b>573</b>		<b>992</b>	

# GOTA Station

GOTA Station: GOTA Coach - 100 Bonus Points			
Name	Call	QSOs	Bonus Points
Manny Garcia MG	(NONE)	3	15
Sawyer Zilinski SZ	KD9WUW	5	25
Robert Bank RB	(NONE)	2	10
Luke Malley LM	(NONE)	1	5
Amanda Malley AM	(NONE)	3	15
Andrew Collins AC	KD9KXA	1	5
Ryker Mascarenas RM	(NONE)	1	5
Celene Basuel CB	(NONE)	1	5
Zachary Ewing ZE	(NONE)	1	5
Quentin Eubanks QE	(NONE)	1	5
Ben Paterson BP	(NONE)	1	5
Darion Cole DC	(NONE)	2	10
Ray Kellerman RK	(NONE)	1	5
Anthony Baketz AB	(NONE)	2	10
Evelyn Schneider	W9EVE	4	20
Ryan Upham	KE9ARC	1	5
Thacher Zielinski TZ	KD9WZY	1	5
Daniel Gehrke	KD9LMK	1	5
Ruben Noceda	K9ARN	16	80
Dan Zielinski	W9TVE	1	5
Tom Lebryk TML	KD9NPR	16	80

***National Night Out 2024***




**Tuesday August 6 2024  
5pm – 8pm**

**Use your POTA expertise to  
Promote Amateur Radio  
And  
Fox River Radio League**



# Tour de Cure



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

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

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

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

Date: Saturday, August 10th, 2024

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

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

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



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

**Mike Wilson N0MO**

mike@hamradiochicago.org





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

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

We have a limited amount of seating available.

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

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

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

If you have any questions or would like to help out, please contact Evelyn Schneider, W9EVE, at [vicepresident@frrl.org](mailto:vicepresident@frrl.org).

Evelyn, W9EVE

100 Year Anniversary Committee Chair

630-417-4849



# Amateur Radio Participates in World's Largest Naval Exercise

07/21/2024

"Partners: Integrated and Prepared" is the theme for Rim of the Pacific (RIMPAC) 2024, the world's largest international military maritime exercise, which began June 27, and will come to a close on August 1. Conducted from Joint Base Pearl Harbor – Hickam, Oahu, Hawaii, the exercise encompasses many islands in the Hawaiian chain.

The event included 29 nations, 40 surface ships, three submarines, 14 national land forces, over 150 aircraft, and more than 25,000 personnel, including amateur radio operators working with health care facilities.

The amateur radio portion of the exercise has been completed. ARRL Assistant Section Manager and State Government Liaison Michael Miller, KH6ML, said 36 amateur radio operators from Hawaii volunteered to demonstrate the value of amateur radio in emergency preparedness and response.

"It turned out very good," said Miller. "Some of hospitals, staff and administrators involved had their first experience with amateur radio. The operators were able to blend their skills using public service radios, satellite phones, as well as amateur radio."

Miller pointed out that hospitals on the smaller islands don't usually have a fulltime communications officer so working with amateur radio gives them experience for future emergencies. The amateurs worked with Health Comm Hawaii which provides amateur radio communications to health care associations in Hawaii during emergencies and disasters.

"Health Comm Hawaii really needs 100 more operators for backup and to build skill sets through monthly exercises," Miller added.

Vice Adm. John Wade, commander, U.S. 3rd Fleet and RIMPAC 2024 Combined Task Force (CTF) commander, said the Rim of the Pacific exercise has grown over the years to be the world's largest and premier joint combined maritime training opportunity. "The exercise's purpose is to build relationships, to enhance interoperability and proficiency and, ultimately, contribute to the peace and stability in the vitally-important Indo-Pacific region."

Many of the volunteers participating in RIMPAC 2024 are also members of other vital emergency communication groups, such as Amateur Radio Emergency Service®(ARES®), Radio Amateur Civil Emergency Service (RACES), and Community Emergency Response Team (CERT).





# WIRES-X IS BACK



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

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

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

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

73,  
Curt



If you have any memorabilia about the club please contact:

Chair [Eve Schneider W9EVE](#)

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

Membership rates are as follows:  
REG: Regular dues are \$30.00 per year,  
FAM: Family dues are \$40.00 per year (family members at the same address)  
SRC: Senior Citizen dues (65 and older) are \$25.00 per year,  
STU: Student (Full time, under 22) dues are \$25.00 per year.  
MIL: Active Military dues are \$25.00 per year.  
You can also help support the FRRL Repeaters by making a \$10.00 (or more!) annual contribution.



# 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



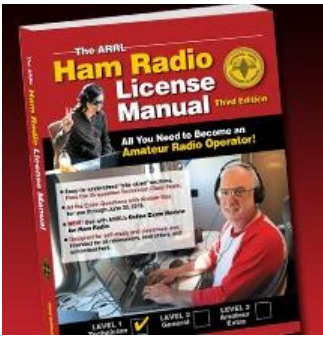
**Tuesday**  
1930 (7:30 pm) local time  
147.21 103.5PL +600  
Except for the 2nd Wednesday of the month



**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.

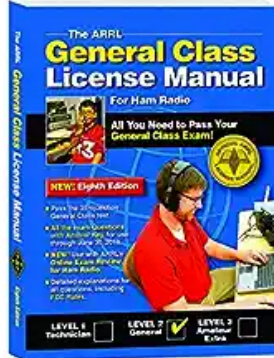


**Technician Class**  
**Wednesday Evenings**  
**6:30 P.M. to 9:30 P.M.**

**Start: TBD**  
**End:**



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



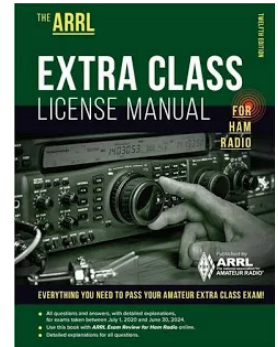
**General Class**  
**Thursday Evenings**  
**6:30 P.M. to 9:30 P.M.**

**Start: TBD**  
**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 via the club at a discounted rate by emailing [education \[at\] frrl.org](mailto:education[at]frrl.org).

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

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

We are in need of  
**Instructors**

If you are willing to teach a section or two contact [education@frrl.org](mailto:education@frrl.org)

Please Note that Tech & General classes are 9 weeks long..  
Extra classes are 12 weeks long.  
You can contact Dan Nolan at:  
[Education@frrl.org](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:

July 18, 2024  
September 19, 2024

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



Please also be sure to bring:

- Photo identification
- Your FCC generated FCC Registration Number (FRN).
- The fee of \$15.00. (The FRRL receives no portion of this fee.)
- If upgrading bring your original FCC HAM Radio License (or the documentation you received) and a photocopy of your license.

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





*Out N About*

August 17 - 18 | Huntsville [Hamfest](#), ARRL Southeastern Division Convention, Huntsville, Alabama

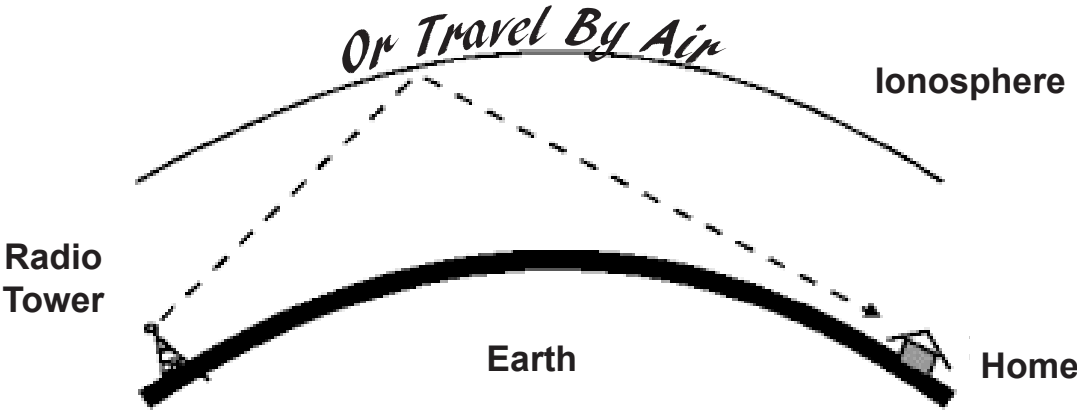


Huntsville Hamfest

August 22 - 25 | Northeast [HamXposition](#), ARRL New England Division Convention, Marlborough, Massachusetts



September 28 | [Red Rivers Radio Amateurs Hamfest](#), ARRL Dakota Division Convention, West Fargo, North Dakota





# Ham Fests

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

Location: Will County Fairgrounds, Peotone, Illinois

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



08/03/2024 - West Central Illinois Hamfest

Location: Carlinville, IL

Type: ARRL Hamfest

Sponsor: Macoupin Cnty ARC, Montgomery Cnty ARC, Okaw Valley ARC, Sangamon Valley ARC

Website: <https://wcilhamfest.com/>



08/04/2024 - Hamfesters 89th Annual Hamfest

Location: Peotone, IL

Type: ARRL Hamfest

Sponsor: Hamfesters Radio Club

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



09/21-22/2024 Midwest Superfest

Location: Chillicothe Illinois

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



09/22/2024 CFMC Radio Expo 2024

Location: Boone County Fairgrounds Belvidere, Illinois 61008

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



# 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**



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](#)

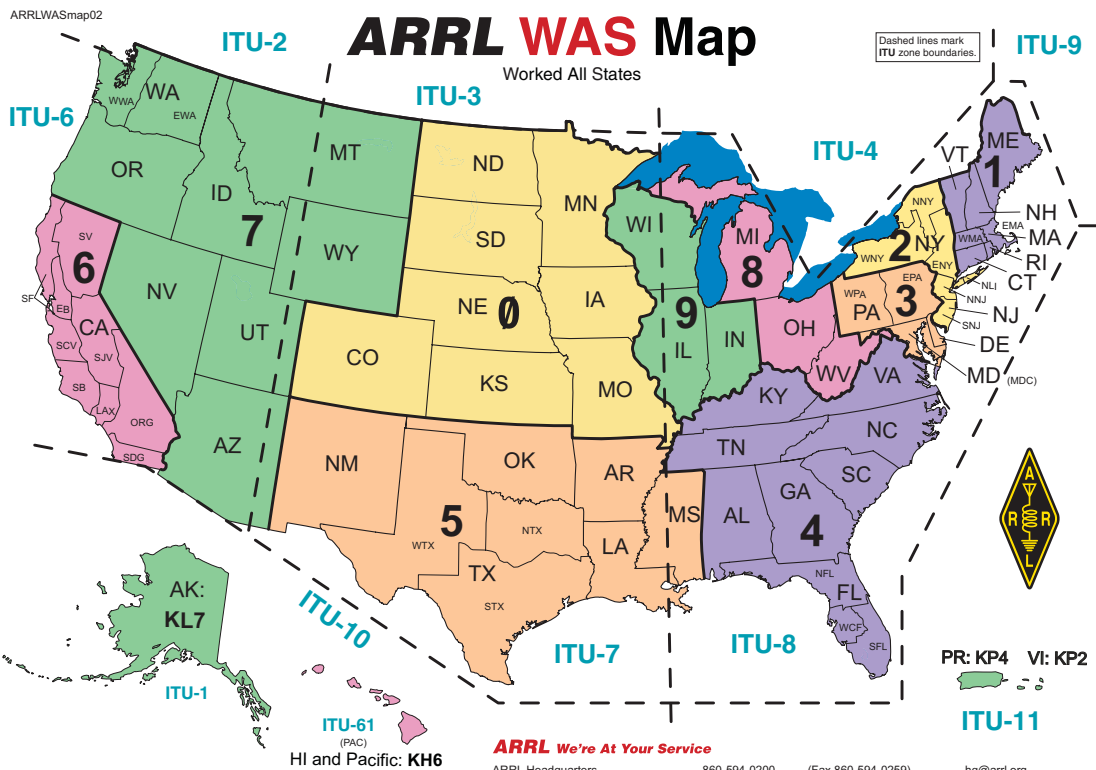
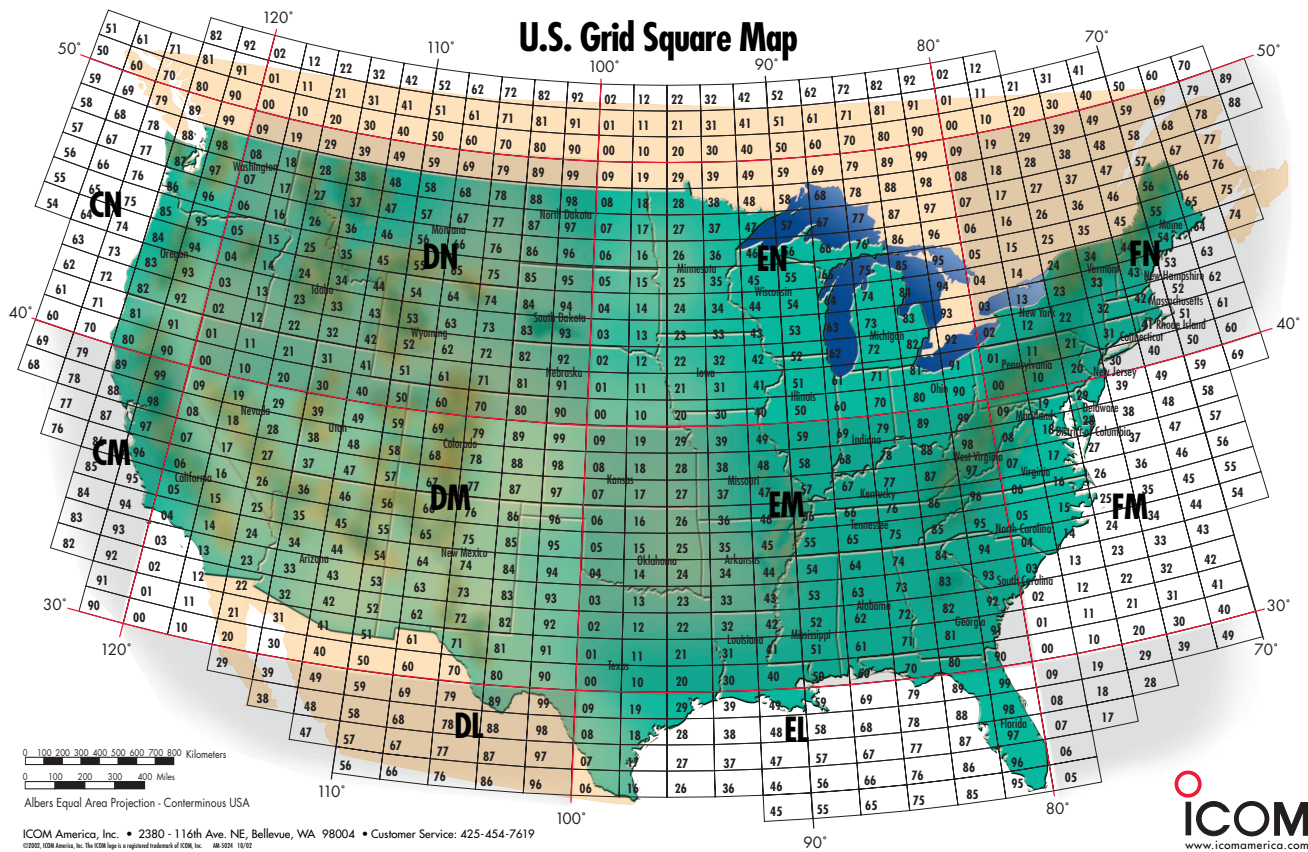


**Kane County ARES**

**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





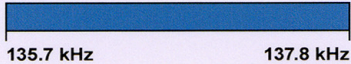
# US Amateur Radio Bands

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



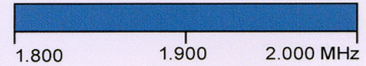
## MF – Medium Frequency bands

**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



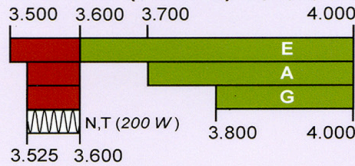
**160 Meters (1.8 MHz) E,A,G**



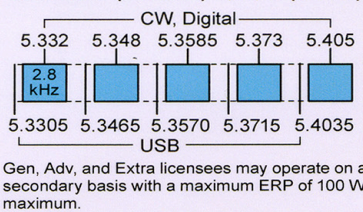
Amateurs wishing to operate on **2200 or 630 meters** must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

## HF – High Frequency bands

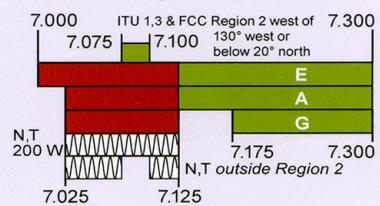
**80 Meters (3.5 MHz) E,A,G,T,N**



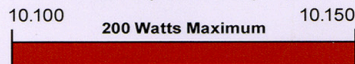
**60 Meters (5.3 MHz) E, A, G (100 W)**



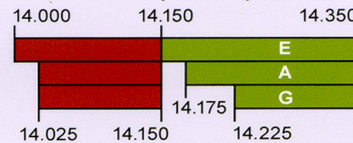
**40 Meters (7 MHz) E,A,G,T,N**



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



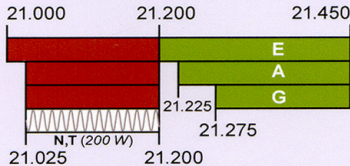
**20 Meters (14 MHz) E,A,G**



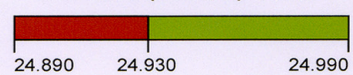
**17 Meters (18 MHz) E,A,G**



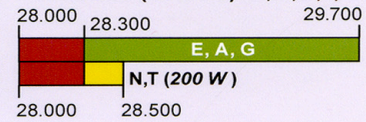
**15 Meters (21 MHz) E,A,G,T,N**



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

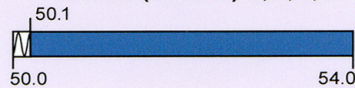


**10 Meters (28 MHz) E,A,G,T,N**

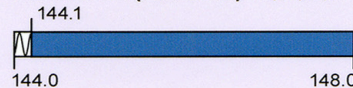


## VHF – Very High Frequency bands

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



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

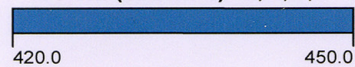


**1.25 Meters (222 MHz) E,A,G,T,N**

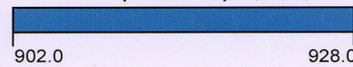


## UHF – Ultra High Frequency bands

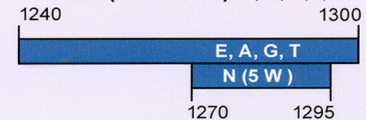
**70 cm (420 MHz) E,A,G,T**



**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:

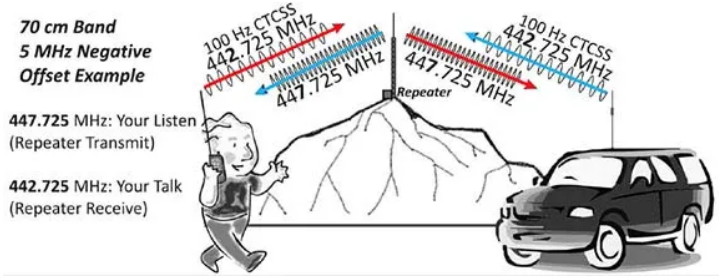
2300-2310 MHz	3300-3500 MHz	10.0-10.5 GHz	47.0-47.2 GHz	122.25-123.0 GHz	241-250 GHz
2390-2450 MHz	5650-5925 MHz	24.0-24.25 GHz	76.0-81.0 GHz	134-141 GHz	All above 275 GHz

See [www.arrl.org/band-plan](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 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

