



ARCOVER

JULY 2023



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

1924  2023

Who We Are

President:
Terry Todd W9AUV

Vice President:
Eve Schneider W9EVE

Secretary:
Art Shuter NN9I

Treasurer:
Dan Harmon WA9YKK

Director :1
Ruben Noceda K9ARN

Director: 2
Jim Brady W9JB

Director 3
Paul Mitchell KC9SEB

Director:4
John Greusel

Past President:
Dennis Barfuss W9HI

Programs:
Paul Mitchell KC9SEB

Education / VE:
Jim Brady W9JB

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:
Chris Kennell, KC9BKS

Net Coordinator:
Curt Sauer, W9YNP

About Us

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

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

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

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



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



From
the desk
of....

The Esteemed
 *Terry Todd*

Field Day 2023 is past history now. Many thanks to Patrick Brod KB9ANL and Mike Upham W9TG and all the rest who volunteered to help make it great.

Here's what's coming up in July.

SUMMER THUNDER will be a month long UHF/VHF on air event that will commence on July 1, 2023. See <https://www.hamactive.com/>

Terry - W9AUV

New Members

Callsign	Name	License Class
W9WSS	William Sperling	Amateur Extra
KB9DBC	Glenn Sperling	Technician



ARC OVER

FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES

June 13, 2023

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

The June 13, 2023 meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 37 members in attendance and 2 on Zoom.

The meeting was called to order at 1930 CST by President Terry Todd, W9AUV.

Board Members and Directors Present

President, Terry Todd W9AUV
Vice-President, Eve Schneider W9EVE
Secretary, Art Shuter NN9I
Treasurer, Dan Harmon WA9YKK
Director 1, Ruben Noceda K9ARN
Director 2, Jim Brady W9JB
Director 3, Paul Mitchell KC9SEB
Director 4, John Greusel KC9OJV
Recent past president: Denny Barfuss W9HI

Minutes: Acceptance of the May 9, 2023 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion to approve: Tom WD9DAU, 2nd: Robert W9MZ

Treasurer's Report: Dan WA9YKK, reported the account bank balances as of 6/13/23:

Reports:

Bylaws committee Dan WA9YKK: Some changes need to be addressed by the committee and it will be voted on in July.

Eve W9EVE 100th: Meetings will now be held on Wednesdays. July 13, 2023 is the next scheduled meeting on zoom.

June 13, 2023 meeting minutes continued:

Director 1 Repeaters Ruben K9ARN: Repeaters are working well. Echo link has been disconnected.

Director 3: Club Activities Paul Mitchell KC9SEB: The program for tonight will be about Field Day preparation and operation. The program in July will be about antennas.

Database Manager Mike Urso K9FE: We now have 137 active members.

Education/VE : Denny W9HI: Extra classes will be starting September 2nd at the Messenger Library in North Aurora. VE Session in July. Teachers are needed for the Extra Class.

Old Business:

Field day: Mike WT9G field day on June 23-25. Pat: We are on schedule to set up and will be operating as 7A.

Upcoming events:

June 20th Newsletter deadline

June 23rd – 25th Field Day

July 13th VE Session.

Program: Mike K9FE and Denny W9HI will talk about Field Day operation.

Announcements: Kurt W9YNP is looking for net operators.

Adjournment:

Motion to adjourn by Marty N9NTM, 2nd: Jim N9XP. Meeting adjourned at 20:08 CST.

Respectfully submitted,

Art Shuter – NN9I

FRRL Secretary

^Solar Cycle 25 May Peak Much Sooner Than Expected

"In April 2019, the Solar Cycle 25 Prediction Panel, which is made up of dozens of scientists from NASA and the National Oceanic and Atmospheric Administration (NOAA), released its forecast for Solar Cycle 25, suggesting that the solar maximum would likely begin sometime in 2025 and would be comparable in size to the maximum of Solar Cycle 24, which peaked unusually late between mid-2014 and early 2016 and was quite weak compared with past solar maximums.

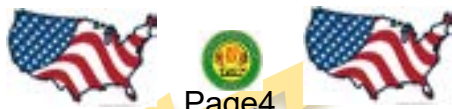
But from the beginning, the forecast seemed off. For instance, the number of observed sunspots has been much higher than predicted."

To read the rest of the article go to web site link here:

<https://www.livescience.com/space/the-sun/solar-maximum-could-hit-us-harder-and-sooner-than-we-thought-how-dangerous-will-the-suns-chaotic-peak-be>

Solar maximum could hit us harder and sooner than we thought. How dangerous will the sun's chaotic peak be?

www.livescience.com



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Submitted by

Tom Lebryk KD9NPR

FOX

RIVER

RADIO LEAGUE

July 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2 INFORMAL ALL OPR NET 1900	3 CW NET 28.150 2000 SSB NET 28.720 2030	4  1930 FRRL 2m Net	5 1900 FRRL BOD Meeting	6	7	8
9 INFORMAL ALL OPR NET 1900	10 CW NET 28.150 2000 SSB NET 28.720 2030	11 1930 FRRL Membership Meeting No Net	12	13	14	15
16 INFORMAL ALL OPR NET 1900	17 CW NET 28.150 2000 SSB NET 28.720 2030	18 1930 FRRL 2m Net	19	20  Deadline VE TESTING	21	22
23 INFORMAL ALL OPR NET 1900	24 CW NET 28.150 2000 SSB NET 28.720 2030	25 1930 FRRL 2m Net	26	27	28	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	 CW Net 28.150, Monday 8PM SSB Net 28.720, Monday 8:30PM	



Legislation to Remove Private Land Use Restrictions on Amateur Radio Introduced in Congress

Congressmen Bill Johnson (OH-06) and Joe Courtney (CT-02) reintroduced a bill in the US House of Representatives on June 12 -- H.R.4006 (see full text of bill in this PDF) -- to remove private land use restrictions that prohibit, restrict, or impair the ability of Amateur Radio operators from operating and installing reasonable antennas on property that they own or control. Similar legislation, H.R. 9670, was introduced by Congressman Johnson in 2022.

"I reintroduced the Amateur Radio Emergency Preparedness Act to remove barriers to disaster and emergency communications and training, and to promote education in STEM subjects related to critically needed wireless technology,"

Congressman Bill Johnson (OH-06).

Congressman Johnson said in a release. "Passage of this bill will promote developing and sustaining our nation's wireless future and facilitate and encourage amateur radio operations as a public benefit."

"As their actions during recent natural disasters such as Hurricane Sandy proved, amateur radio operators in Connecticut can be a critical component of disaster response and emergency management. It is in our communities' best interest that we give them the capabilities to operate at the highest level, and with the re-introduction of this bill, we've taken a strong step in that direction," said Congressman Courtney.

Legislation to Remove Private Land Use Restrictions on Amateur Radio Introduced in Congress

Continued:

Congressman Joe Courtney (CT-02).

The exponential growth of communities bound by private land use restrictions that prohibit both the operation of Amateur Radio and the installation of amateur station antennas has significantly restricted the growth of the Amateur Radio Service.

ARRL The National Association for Amateur Radio® continues its multi-year efforts to eliminate private land use restrictions that prevent Amateur Radio operations and has pledged to strongly support Congressman Johnson and Congressman Courtney in their efforts on behalf of Amateur Radio.

Rick Roderick, K5UR, President of ARRL, on behalf its Members and America's Amateur Radio community extended his thanks and appreciation for the leadership of Congressman Johnson and Congressman Courtney in their tireless efforts to support and protect the rights of all Amateur Radio Operators and to further STEM education and the advancement of American expertise in wireless technology.



The Annual 13 Colonies Special Event will take place July 1 - 7, 2023. The 13 Colonies Special Event is an on-air amateur radio event honoring the original 13 colonies, US independence, active military personnel, and veterans. All amateur radio operators are welcome to participate, including shortwave listeners. Certificates will be available for all participants. Each US state that was one of the original 13 colonies has a special call sign. All HF bands will be open, including the WARC bands, with the exception of 60 meters. Simplex on 2 and 6 meters is encouraged and the use of 40 - 160 meters is encouraged for stations in the southern east coast. All modes of operation may be used, including SSB, CW, RTTY, and digital. The mode of operation is up to the individual colony/state station. Please refer to each special event station's QRZ page for more details and information.



FRRL Field Day June 23-25 2023







Technician/General Classes:

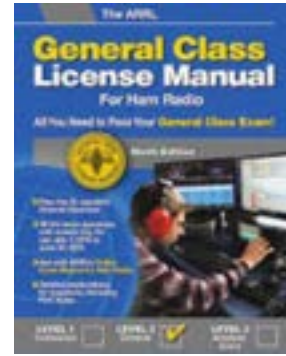


Technician Class

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

**Start:
End:**

**Location: Zoom Meeting
[Link to be distributed prior]**



General Classes:

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

**Start:
End:**



**Meeting
[Link to be distributed prior]**

The Fox River Radio League (FRRL) presenters are looking for new Amateurs interested in gaining their Technician and Extra class licenses.

These are free courses where you can learn to receive the appropriate FCC radio license.

The textbook for the class is available for purchase via the club at [www.frll.org](#)

Classes are instructed by experienced radio amateurs on topics of discussion.

In addition to the regular session a special VE session will be held.



**Extra Radio Classes
Resume
September 2nd**

The General Class License Manual. Books are available for purchase at [www.frll.org/education\[at\]frll.org](#).

Let's have some interesting and engaging conversations to ensue around the topics.

In addition to the bi-monthly testing we will be scheduling a dedicated VE session for the class participants. For more information on [VE sessions](#).

We are in need of

Instructors

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

Please Note that classes are 9 weeks long.. You can contact Dennis Barfus at: W9HI@arrl.net if you have any questions



UNITED STATES OF AMERICA FEDERAL BUREAU OF INVESTIGATION IDENTIFICATION DIVISION	
W9CEQ	
Fox River Radio League PO Box 673 Batavia IL 60510-0673	
SEARCHED	INDEXED
SERIALIZED	FILED
SEP 11 2023	
FBI - CHICAGO	



SUMMERTHUNDER 2023 is under development

SUMMER THUNDER will be a month long UHF/VHF on air event that will commence on July 1, 2023.

Registrations for SUMMER THUNDER 2023 open. Please visit the [SUMMER THUNDER](#) sub page and click on "Event Registration".



Amateur Radio is as relevant as ever. Former FEMA Administrator Craig Fugate, KK4INZ, said "The agreement emphasizes the importance of skilled amateur radio operators in times of crisis and the role of ARES leadership within the emergency communications space." Fugate thanked Ted Okada, K4HNL, Chief Technology Officer at FEMA.



I am selling an unused/new in box MFJ-269D HF/VHF/UHF antenna analyzer surplus to my needs. 3/2023 build date \$450 from MFJ. (They have since lowered the price!) It's still in the plastic so I'd prefer to leave it as is. \$323 for FRRL members. Open to trades.

Kurt KD9SUV

kd9suv@gmail.com



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 20, 2023
September 21, 2023
November 16, 2023

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



No Walk-ins. All events subject to COVID-19 venue availability and restrictions.
Please pre-register by [emailing](#) or calling Dan Harmon 630-272-1768

Please also be sure to bring:

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



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

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

Illinois Traffic Net



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





July 8 | SVARC Summer Hamfest Minot, hosting the ARRL North Dakota Section Convention, Minot, North Dakota. More information at:

<http://www.arrl.org/hamfests/svarc-summer-hamfest-minot-arrl-north-dakota-section-convention>



July 15 | SEARC Tailgate Hamfest, hosting the ARRL South Dakota Section Convention, Sioux Falls, South Dakota. More information: <https://w0zwy.org/>

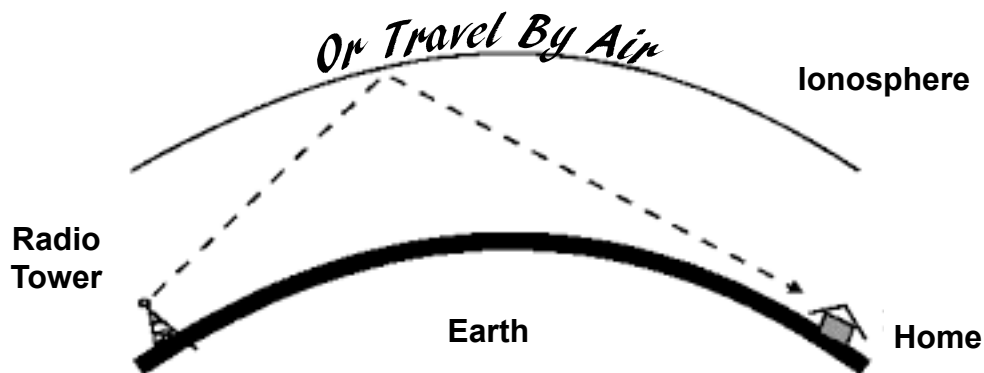


July 29 | CVARC 2023 Hamfest, hosting the ARRL Pennsylvania State Convention, Chambersburg, Pennsylvania. For information: <https://www.w3ach.com/hamfest>



July 29 | ARRL West Virginia State Convention and Ham Fest, Sutton, West Virginia. More information at:

<http://www.arrl.org/hamfests/arrl-west-virginia-state-convention-and-ham-fest-1>





Ham Fests

07/16/2023 - KARS-Fest

Location: Peotone, IL

Type: ARRL Hamfest

Sponsor: The Kankakee Area Radio Society

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

[Learn More](#)

08/05/2023 - West Central Illinois Hamfest

Location: Carlinville, IL

Type: ARRL Hamfest

Sponsor: Macoupin, Okaw Valley, Montgomery and Sangamon Radio Clubs

Website: <http://wcilhamfest.com>

[Learn More](#)

08/06/2023 - Hamfesters 88th Annual Hamfest

Location: Peotone, IL

Type: ARRL Hamfest

Sponsor: Hamfesters Radio Club

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

[Learn More](#)

All Operators Net



“EVERY” Sunday for “EVERY” Operator

New or experienced...ALL are Welcome

1900 hrs (7pm) local time

147.21 103.5PL +600

On the FOX VHF Repeater



Feel free to share your thoughts, experiences, recipes and hobbies etc.

“It does not have to be about radio to talk on the radio!”

For more info about the NET contact:

Mike K9FE 630-327-5164 K9FE@yahoo.com

Calling all newly licensed hams.

Remember the old Radio Shack slogan “You’ve got questions, We’ve got answers”?

Well, I know new hams have a lot of questions and those of us that have been hams for a while have the answers.

I will be adding a new segment to our Tuesday Night Net called “ask Elmer” If you have a question about ham radio, ask it on the air and someone will give you the answer over the air.

Now, for this to work properly we need lots of questions and lots of people who know the answers.

Don’t be afraid to ask a simple or “stupid” question, we all had them when we started. Would you like to be an “Elmer” without getting out of your chair? Well, this is the opportunity you have been waiting for.

I want to invite all the club members to check-in to the net and either ask a question or provide an answer.

You never know what you might learn or what fun you will have if you don’t join the net. For those who may need a reminder, The net meets on our club 2-meter repeater (147.21 MHz, 103.5 Hz PL tone) Every Tuesday at 7:30PM except on our meeting nights.

Hope to hear you on the net soon.

73, Curt W9YNP



The Radio Amateur's Code

The Radio Amateur is...

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

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

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

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

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

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

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

© John Devoldere 0N4UN and Mark Demeuleneere 0N4WW

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

BRING BACK "RADIO IN THE PARK"

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



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

Dave K9wdb



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



Consider volunteering
you can make
the difference !!



American Red Cross



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

ARES

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

ARES Resources

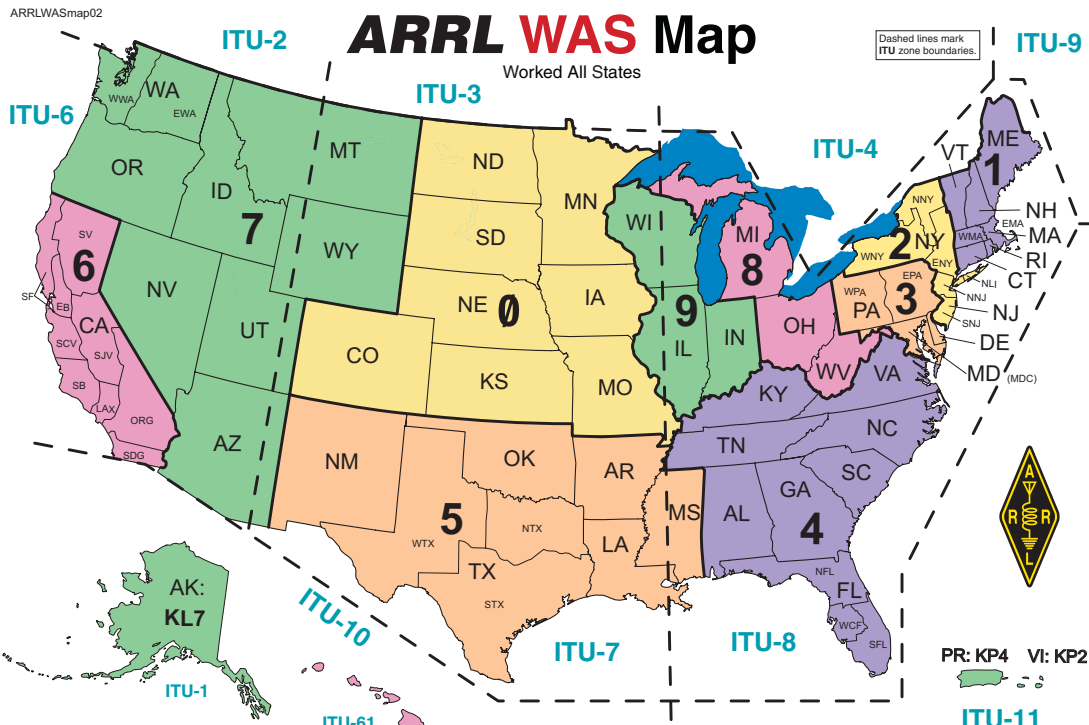
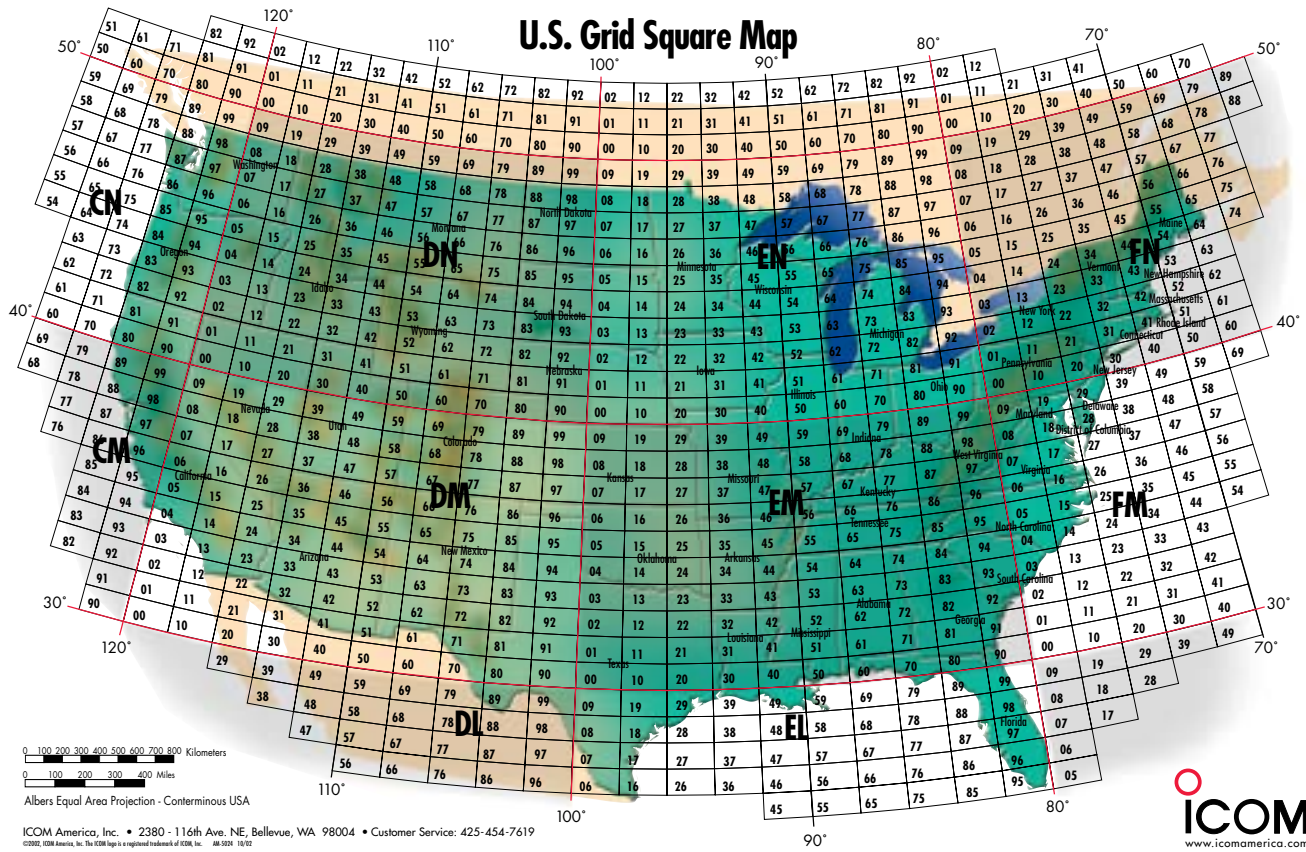
- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [Emergency Communications Training](#)



Kane County ARES

Information

[Click Here](#)



ARRL The national association for
AMATEUR RADIO

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ARRL We're At Your Service

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860-594-0200 (Fax 860-594-0259)
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Toll-Free 1-888-277-5289 (860-594-0338)
Toll-Free 1-800-326-3942 (860-594-0355)
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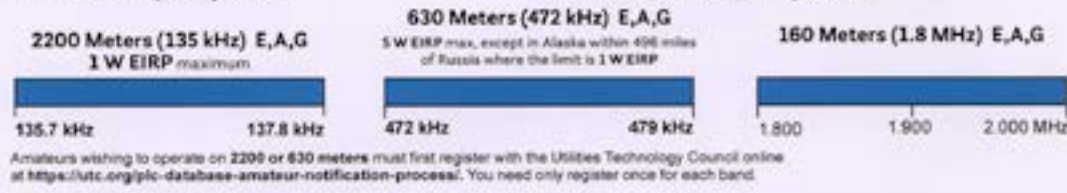


US Amateur Radio Bands

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

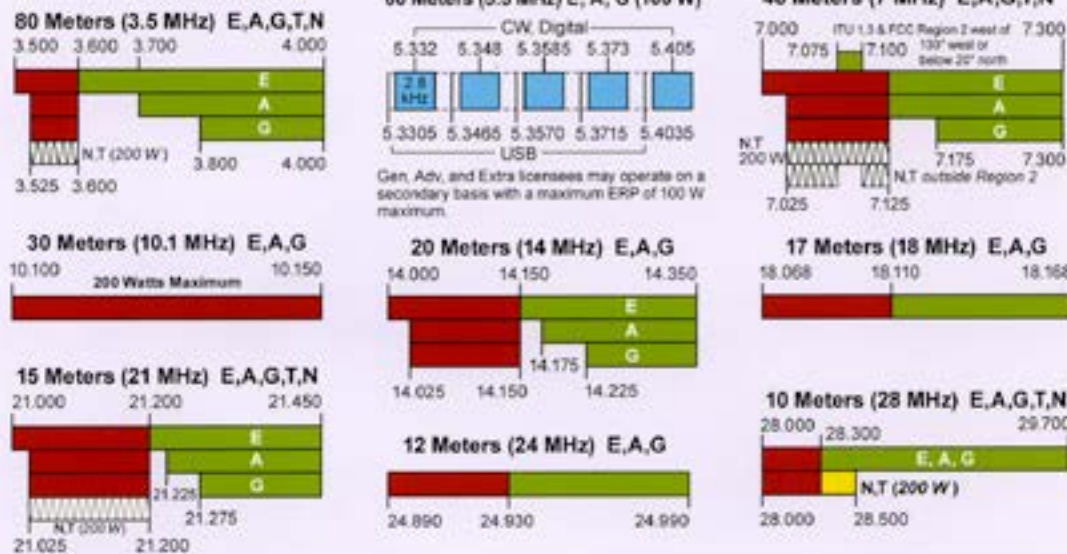
■ = RTTY, data, phone, image
 ■ = USB phone, RTTY, data and CW
 ■ = RTTY and data
 ■ = phone and image
■ = SSB phone
 [CW symbol] = CW only

LF – Low Frequency band



MF – Medium Frequency bands

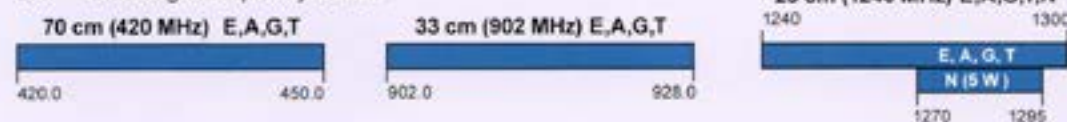
HF – High Frequency bands



VHF – Very High Frequency bands



UHF – Ultra High Frequency bands



SHF&EHF – Super and Extremely High Frequency bands

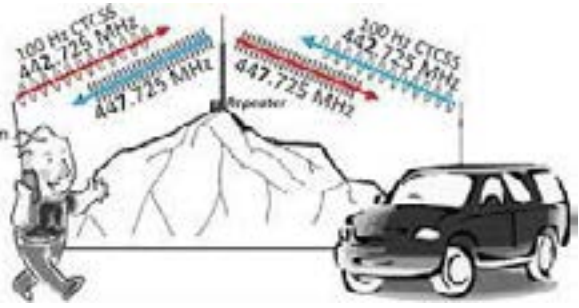
All licensees except Novices are authorized all modes on the following frequencies:
 2300-2310 MHz 3300-3500 MHz 50.0-50.5 GHz 47.0-47.2 GHz 122.25-123.0 GHz 241-250 GHz
 2390-2450 MHz 5650-5925 MHz 24.0-24.25 GHz 76.0-81.0 GHz 134-141 GHz All above 275 GHz

See www.arrl.org/band-plan for detailed band plans.
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 OTAbands rev. 1-22-20

FRRL

70 cm Band
5 MHz Negative
Offset Example

447.725 MHz: Your Listen
(Repeater Transmit)
442.725 MHz: Your Talk
(Repeater Receive)



**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