



ARCOVER



DECEMBER 2022



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



1924  2022

Who We Are

President:

Terry Todd W9AUV

Vice President:

Roger Bara W9YU

Secretary:

Art Shuter NN9I

Treasurer:

Dan Harmon WA9YKK

Director 1: NETS / RPTR'S

Ruben Noceda K9ARN

Director 2 Training

Robert Littler W9DSR

Director 3: Activities

Dave Bulkley K9DWB

Director 4: Technical

Adrian Dinwiddle KB9QQJ

Past President:

Gordon Dailey KW0E

Programs:

Gordon Dailey KW0E

Education / VE:

Dennis Barfuss W9HI

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.

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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

We don't have a specific program lined up for the December meeting. Be thinking about what program(s) you would you like to see for upcoming meetings.

We will be having the grab bag gift exchange. If you bring a gift you can take one.

Bring a treat or dessert to share and enjoy the fellowship.

Best wishes to everyone this holiday season.

Terry - W9AUV

**President
 Todd
 Welcomes**



**Our
 Newest
 Members**

CALL SIGN	NAME	LICENSE
KC9DLA	Jeff Martin	Tech
	Rick Grossert	





ARC OVER

FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES

NOVEMBER 8, 2022

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

Meeting Minutes: November 8, 2022

The November 8, 2022 meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 37 members in attendance 4 members attended via Zoom.

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

Board members present.

Board Members and Directors Present

President, Terry Todd W9AUV

Secretary, Art Shuter NN9I

Treasurer, Dan Harmon WA9YKK

Director 3, Dave Bulkley K9DWB

Director 4, Technical Adrian Dinwiddle KB9QQL (zoom)

Minutes: Acceptance of the October 11 , 2022 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion: Harry Jones K9DXA and 2nd: David Bulkley K9WDB.

Reports:

Director 1 RPTR'S: Kermit W9XA – repeaters are working well.

VE Update: Denny W9HI: The new classes are set up and will be
Tech on Wednesday and General on Thursday only on
Zoom.



Meeting Minutes Continued:

Reports:

Director 1 RPTR'S: Kermit W9XA – repeaters are working well.

VE Update: Denny W9HI: The new classes are set up and will be Tech on Wednesday and General on Thursday only on Zoom.

Old Business Nominating Committee: Harry W9DXA reported that a slate of candidates has been produced and an e-mail for voting will be sent out on December 4, 2022.

A motion to close the nominations was moved by Kermit W9XA and 2nd by Dean KC9EOQ. Motion passed.

Denny W9HI reported that we had 28,000 points in the Illinois QSO party.

Ajournment: Motion Tom WD9DAU, 2nd Harry K9DXA

The meeting was adjourned at 20:15 CDT.

Respectfully submitted,
Art Shuter – NN9I
FRRL Secretary

T3B01

What is the name for the distance a radio wave travels during one complete cycle?

- A. Wave speed
- B. Waveform
- C. Wavelength
- D. Wave spread

Answer on Page19

T3B04

How fast does a radio wave travel through free space?

- A. At the speed of light
- B. At the speed of sound
- C. Its speed is inversely proportional to its wavelength
- D. Its speed increases as the frequency increases

Answer on Page19





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 	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	15	16	17
18 INFORMAL ALL OPR NET 1900	19 CW NET 28.150 2000 SSB NET 28.720 2030	20 1930 FRRL 2m Net	21	22	23	24
	26 CW NET 28.150 2000 SSB NET 28.720 2030	27 1930 FRRL 2m Net	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	

Fox River Radio League

News & Information

Local - National - International



Members will receive an e-mail with the link for them to vote from **OPAVOTE**. They should vote as soon as they get the email if possible.

Results and announce our new officers at the December meeting.



CLUB ELECTIONS



The election will be held in December.

Please contact [Denny W9HI](#), [Harry K9DXA](#) or [Gordie KW0E](#) with any questions.

The slate was accepted at the November Meeting. Note: Write-ins for each office are allowed

Candidates At The November Meeting





Every year at Christmas meeting, the FRRL collects food/paper products/money to donate to the Food Bank. Many years that was the cost of admission to the meeting!

This year I will be collecting for the food bank at the December meeting. Bring canned goods, mac and cheese, paper products, or even cash and it will be donated to the Interfaith Food Bank. Please no out of date products!



The grab bag this year is basically you bring one, you get to take one. If you want to participate you can go through your shack for the good but not being used item(s). Please no junk, we want everyone to get something they can use. I will have paper grocery bags if you do not have time to wrap the gift.

Lets all have a great time and you are urged to bring a dessert for the troops to munch on.

Merry Christmas de K9FE Mike



Please Bring A

Snack Desert

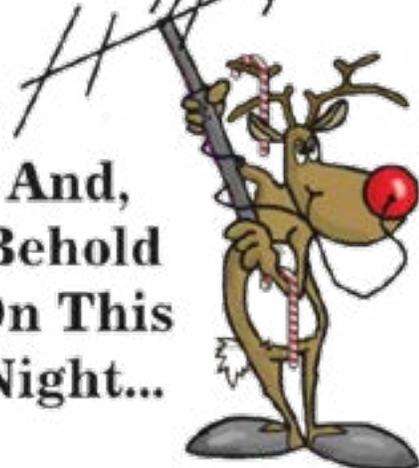
To **Share** With Members

Who Are Attending The

December Meeting



And,
Behold
On This
Night...





If You Have Anything

For Sale

To Trade

Looking For/Or

To Loan

Advertise Here



To advertise email: NEWSLETTER@FRRL.ORG



Golden Rules
of Borrowing

Return it Quickly

Return it in Great
Condition

Break it - Replace
it

Return the Favor



AT
WWW.FRRL.ORG



YOU CAN ALSO PAY
DUES IN PERSON AT
THE CLUB MEETING.

(PREFERRED METHOD
IS TO PAY ON LINE)



Frederick W. "Rick" Shaff

KD9KN

1943-2022



Fair Winds and Following Seas
Sailor.

You Can Rest In Peace - We Have
The Watch Now

Lawrence Owen Shaw

W90KI

1935-2022



R.I.P.



From Pilot Wings To Angel Wings





December 9 - 10 | Tampa Bay Hamfest, hosting the ARRL West Central Florida Section Convention, Plant City, Florida

[Click here](#) for more information



Well not much to do so sit back...



Enjoy a fire with the family

Or



Or

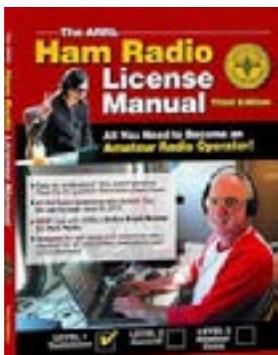
Create delicious creations and memories



Maybe a QSO or two



Technician/General Classes:

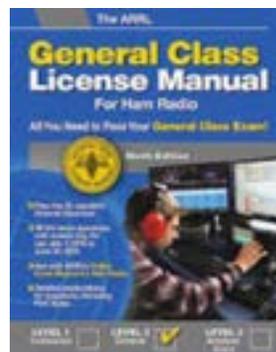


Technician Class

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

Start: December 14, 2022
End: February 8, 2023

Location: Zoom Meeting
[Link to be distributed prior]



General Classes:

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

Start December 15, 2022
End: February 16, 2023

Location: Zoom Meeting
[Link to be distributed prior]

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 \[at\] frri.org](mailto:education@frri.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@frri.org

Please Note that classes are 9 weeks long..

You can contact Dennis Barfus at:

W9HI@arrl.net

if you have any questions



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



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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



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:

TBD

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



VE's Needed !!

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.

..... / / / /



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](#)



Here are the hamfests as I know them now. Remember to check into the arrl.org page for the latest information.

April 30, 2022 - Sullivan Hamfest
Location: Sullivan, IL
Website: <https://www.qsl.net/mark/>

May 1, 2022 - The DeKalb Hamfest
Location: Sandwich, IL
Website: <http://karc-club.org>

June 5, 2022 - Starved Rock Radio Club Hamfest
Location: Mendota, IL
Website: <http://www.w9mks.org>

June 12, 2022 – Egyptianfest
Location: Granite City, IL
Website: hamfest@w9aiu.net

July 17, 2022 - Karsfest
Location: Peotone, IL
Website: <http://w9az.com/karsfest.html>

August 7, 2022 - Hamfesters Radio Club Hamfest
Location: Peotone, IL
Website: <http://ham-ham.org>

August 13, 2022 - West Central Illinois Hamfest
Location: Carlinville, IL
Website: <https://wcilhamfest.com/>

September 16 & 17, 2022 - 2022 W9DXCC Convention
Location: Naperville, IL
Website: <http://www.w9uvi.org>

September 17-18, 2022 - Midwest Superfest 2022, ARRL Illinois State Convention
Location: East Peoria, IL
Website: <http://www.w9uvi.org>

September 23-24, 2022 - HRO Superfest, ARRL Central Division Convention
Location: Milwaukee, WI

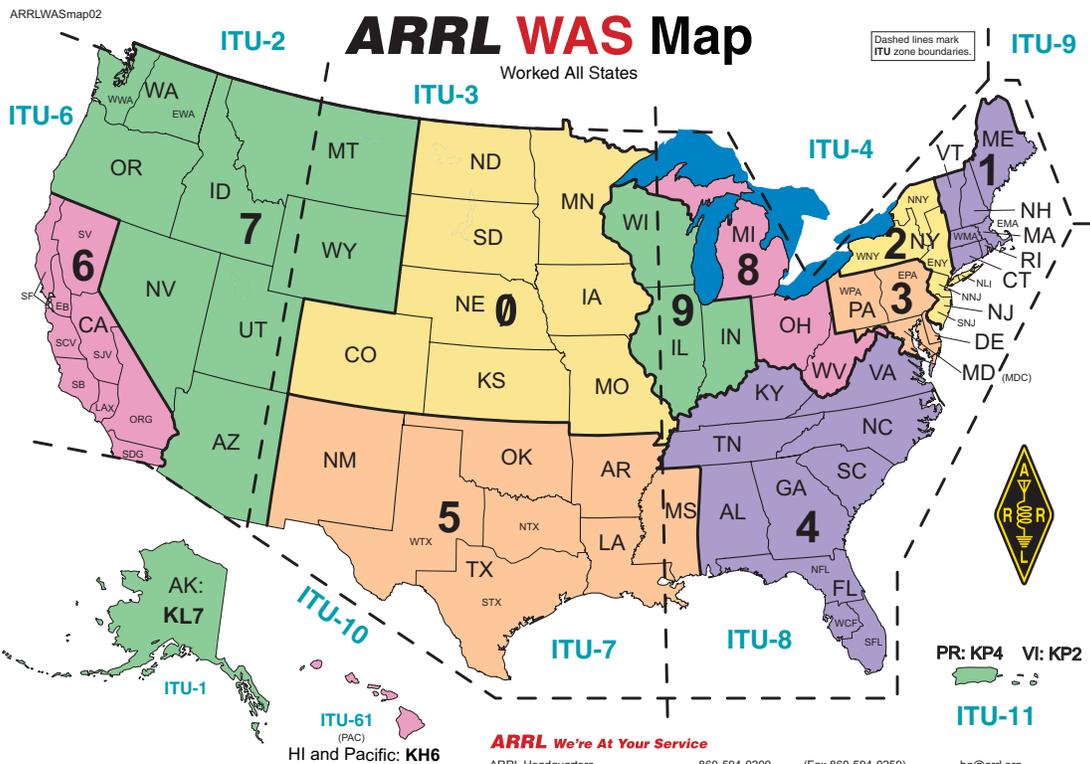
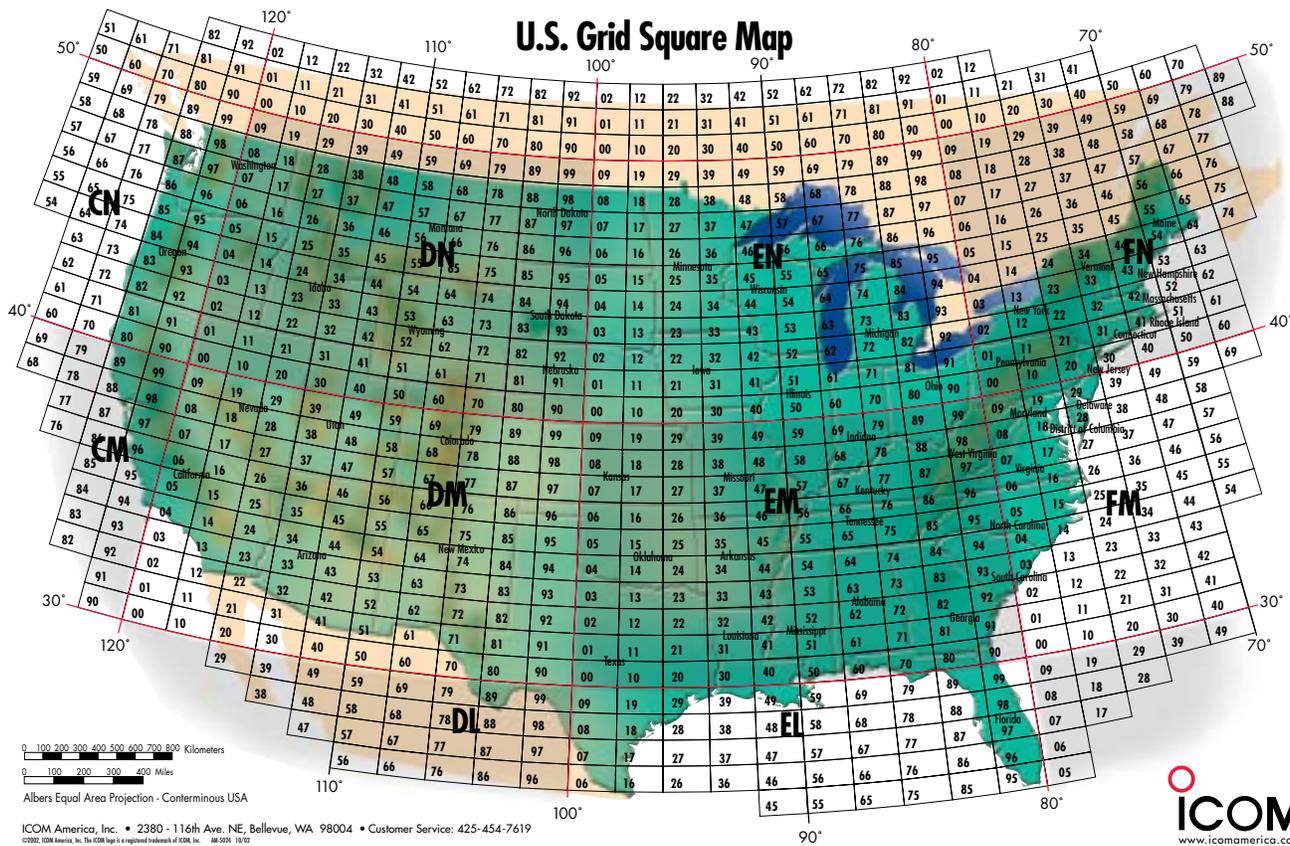
September 25, 2022 - Radio Expo Hamfest
Location: Belvidere, IL
Website: <http://chicagofmclub.org>

January 28, 2023 - Winterfest
Location: Collinsville, IL
Website: <http://winterfest.slsr.org>

73 until next time and good propagation.

ARRL Illinois Section
Section Manager: Thomas H Beebe, W9RY
w9ry@arrl.org





ARRL The national association for
AMATEUR RADIO

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ARRL on the World Wide Web

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

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





US Amateur Radio Bands

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

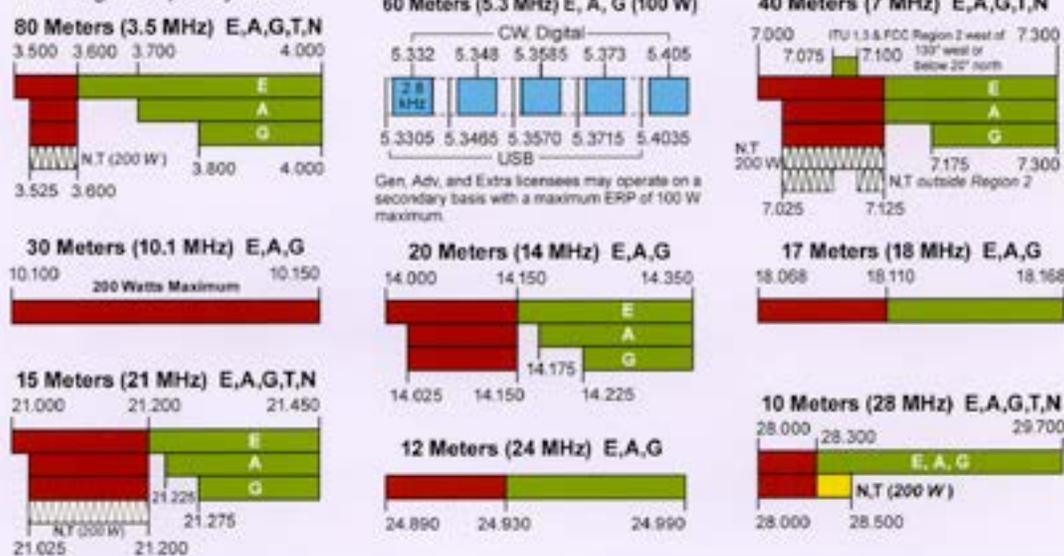
■ = RTTY, data, phone, image
 ■ = USB phone, RTTY, data and CW
 ■ = RTTY and data
 ■ = phone and image
■ = SSB phone
 [CW symbol] = CW only

LF – Low Frequency band



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

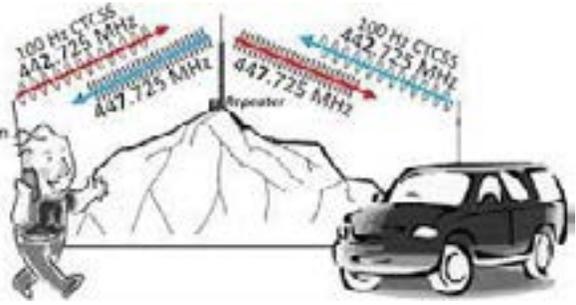
See www.arrl.org/band-plan for detailed band plans.
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 OTAbands rev. 1-22-20



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
+600 KHz Offset, 103.5 Access Tone



444.300 MHz - Elburn
Mode: FM (IRLP and Echolink not Available)
+5 MHz Offset, 114.8 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

**TR304 = A
TR301 = C**

