



ARCOVER

August 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 Kennel, 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*

**Looking for something ham radio to do on these hot summer days?
 Summer Thunder is going on up through the end of July.
 See hamactive.com for more info.**

**National night out will be at Lion's Park in Elburn on
 August 1 in the evening.
 Stop by and help promote ham radio activities.**

Get on the air!

Terry - W9AUV



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New Members

Call Sign	Name	License
WB9RMG	Robert Nemeth	General
WB9PWM	Alan Santini	General
AI5F	Richard Spoula	Amateur Extra



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 July 11, 2023 meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 29 members in attendance and 4 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

Secretary, Art Shuter NN9I

Treasurer, Dan Harmon WA9YKK

Director 1, Ruben Noceda K9ARN

Director 3, Paul Mitchell KC9SEB

Director 4, John Greusel KC9OJV

Recent past president: Denny Barfuss W9HI

Minutes: Acceptance of the June 13, 2023 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion to approve: Dean KC9EOQ 2nd Mike K9FE.

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

Reports:

Bylaws committee Dan WA9YKK: We need one more review by the committee.

Public Information officer – Jerry N9JLC: National night out is 1st Tuesday in August. Need people to set up radios and talk about Ham radio. Towns suggested are Algonquin, Elgin, Hampton Hills.

Meeting Minutes continued:

Eve W9EVE 100th: Terry W9AUV read note from Eve. Meetings will now be held on Wednesdays. July 13, 2023 is the next scheduled meeting on zoom.

Director 1 Repeaters Ruben K9ARN: Repeaters are working well. Echo link has been disconnected until repairs are completed. Will W9WSS has been elected to the repeater board.

Director 3: Club Activities Paul Mitchell KC9SEB: The program for tonight will be about compromise antennas by Mike N9SPL. Future programs will include FT8 and Allstar.

Database Manager Mike Urso K9FE: We now have 140 active members.

Education/VE: Denny W9HI: Extra classes will be starting September 2nd at the Messenger Library in North Aurora. Teachers are needed for Extra Class. VE session on July 20th.

Old Business: Field Day: Denny W9HI reported we scored 7595 points with 99 people attending.

Technical – John KC9OJV: Now working on filters for Field Day.

Upcoming events:

July 13th VE Session.

July 20th Newsletter deadline

August 6th Peotone hamfest

Motion to adjourn Mike N9FTL, 2nd: Marty N9NTM. Meeting adjourned at 19:49 CST.

Respectfully submitted,
Art Shuter – NN9I
FRRL Secretary



DIG DAYS of SUMMER

**FOX RIVER
RADIO LEAGUE**


August 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 NNO 1930 FRRL 2m Net	2 1900 FRRL BOD Meeting	3	4	5
6 INFORMAL ALL OPR NET 1900	7 CW NET 28.150 2000 SSB NET 28.720 2030	8 1930 FRRL Membership Meeting No Net	9	10	11	12
13 INFORMAL ALL OPR NET 1900	14 CW NET 28.150 2000 SSB NET 28.720 2030	15 1930 FRRL 2m Net	16	17	18	19
20 Deadline INFORMAL ALL OPR NET 1900	21 CW NET 28.150 2000 SSB NET 28.720 2030	22 1930 FRRL 2m Net	23	24	25	26
27 INFORMAL ALL OPR NET 1900	28 CW NET 28.150 2000 SSB NET 28.720 2030	29 1930 FRRL 2m Net	30	31	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	

ARC OVER

NEWS AND INFORMATION CENTER

Local - National - International



ELBURN POLICE DEPARTMENT

NATIONAL NIGHT OUT 2023

Aug 1, 2023
5-8 PM

Lions Park
500 FILMORE ST
ELBURN IL 60119



Across the nation, 16,000 communities will come together to celebrate National Night Out on Aug. 1, a campaign that promotes police and community partnerships. Locally, each police department will observe the day in their own way, all working together to strengthen relationships in an effort to fight crime.



VILLAGE OF CAMPTON HILLS



PROUDLY CELEBRATING
NNO 40
NATIONAL NIGHT OUT
2023

NATIONAL NIGHT OUT
TUESDAY, AUGUST 1ST
5-8PM

NEW LOCATION!
Congregational United Church of Christ
40W431 Fox Mill Blvd

POLICE, FIRE, & EMS | BOUNCE HOUSE | DJ | FREE FOOD

- KODA (POLICE K9) DEMONSTRATION
- SUPERIOR AIR WED HELICOPTER
- LOCAL BUSINESS GIVEAWAYS
- MEET THE OFFICERS
- OBSTACLE COURSE
- MAGIC SHOW

STAY FOR A MOVIE AFTER THE EVENT!

THE FRRL WILL BE REPRESENTED AT ELBURN & CAMPTON HILLS NATIONAL NIGHT OUT COME OUT TO SUPPORT US !!





NOTICE



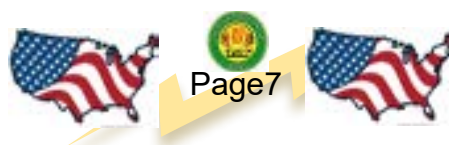
**The FRRL Board of Directors (BOD)
has moved the August board meeting
to Wednesday August 2nd**

Morse Code is still thriving in amateur radio 24 years after its last commercial use.



On July 12, 1999, the original dot/dash system, invented by Samuel F. B. Morse in 1837, gave way to the rapid development of analog and digital communications. The final message sent in Morse code for commercial use was the same one that Morse hammered out on his telegraph key 155 years earlier in 1844, which was, "What hath God wrought?" But this time the message was followed by SK, meaning silent key, or deceased. The International Maritime Organization replaced Morse code with the Global Maritime Distress and Safety System -- an automated ship-to-shore and ship-to-ship system that use satellites and/or terrestrial radio systems with digital selective calling technology. Morse Code is also still used in aviation. Pilots listen to a Morse code identifier to verify that their navigation receivers are tuned to the correct radio aid, such as a VHF Omni-Directional Range (VOR) or Instrument Landing System (ILS) approach guidance system. Railroads stopped using Morse code in the mid-1970s. While Morse code is no longer used commercially, it is still an integral part of amateur radio. Amateur radio operators are no longer required to learn Morse code to obtain their license, but many learn the code on their own or by using study guides and taking classes. Every day, amateurs around the world use Morse code to communicate with each other, test their radio equipment, or pass along friendly information. Morse code is essential in helping people communicate during disasters and emergencies because of its signal ability to penetrate adverse weather issues and propagation disturbance. ARRL offers a variety of resources for those interested in learning Morse code. [Visit http://www.arrl.org/learning-morse-code](http://www.arrl.org/learning-morse-code) for more information.

ARRL The National Association for Amateur Radio® is on Threads, the new social media platform from Meta. Connect with your association via our handle @arrlhq. Find all of our social channels and ways to connect at www.arrl.org/arrl-social-media



VB-Audio Voicemeeter Pro (aka, "Banana") Tom Lebryk KD9NPR

Voicemeeter Banana (their Pro version) is an Advanced Audio Mixer Application endowed with Virtual Audio Device used as Virtual I/O to mix and manage any audio sources from or to any audio devices or applications. It is written by a very clever Audio/Video Professional in France, Mr. V. Burel. It can be very useful software but does take time to setup in a Windows PC. I use it if I feel I need some extra audio processing from my Kenwood 590S transceiver.

From my Kenwood, flat RX audio is output to a cheap Behringer U-Control UCA202 USB Audio Interface, then to a laptop USB port. In VoiceMeeter "Banana" software, audio is routed to Voicemeeter AUX for minor EQ, then output to a VB-point Input to a Limiter (to keep loud Ham signals from blowing out my ears!), then routed to a multiband Parametric EQ set to cut lower bass, emphasize midrange with 1000 Hz dip and emphasize 2000-2500 Hz, plus any notch I want to move around as needed. That is then sent to Output A2 sent to my Default laptop audio device. This allows easy use of the laptop headphone jack where I output the sound to whichever speaker/headphones/earbuds I choose to use, or alternatively, to a C.Crane FM Transmitter for multiroom listening.

The mixer has a built-in recorder to create mp3 files as needed. I have different profiles in Banana for different kinds of listening (HAM, AM/SW Broadcast, FM stereo music, etc). There is a way to route transmit audio through this mixer but I have not yet figured out how with my current setup.

Info + an example video on the web site regarding installation: <https://voicemeeter.com>

Here is a review of the software: <https://www.windowscentral.com/how-use-voicemeeter-banana>.

Here are some YouTube videos that depict using it with Ham Radio: https://www.youtube.com/results?search_query=voicemeeter+banana+ham+radio+

If you do use the software, please make sure to donate on his web site according to a suggested license schedule posted there. I believe I only paid 10 Euro for a single user, non-commercial installation. The donation will also get you a license key to get rid of the nuisance trial-license messages.

TRIVIA

(1) At the end of a conversation ham operators will say "73" to the person they are talking with. What does "73" mean?

(2) Which of the following musicians is NOT or was NOT an Amateur Radio (HAM) Operator?

Your options: [Alice Cooper] [Joe Walsh] [Jim Croce] [Ronnie Milsap]

(3) W2MFW, Jerry Schatz (billed as Jerry Tucker) played the spoiled rich kid on this popular series. What was the name of the series?

Answers on page 21



SHOP n SWAP HAMFEST

SUNDAY

AUG. 25, 1968

phillips park
pavillion

AURORA, ILL.

swap tables
picnic grounds
rides for kids
Playgrounds - food - shelter

sponsored by
Fox River Radio

homing freq's

Free coffee n donu

2 mtr 145.350 mc

9 to 10 AM

75 mtr 3.940 mc



A blast from the past



More June 2023 Field Day Pictures thanks to Mike K9FE



What a nice group of smiling people !!

Technician/General Classes:

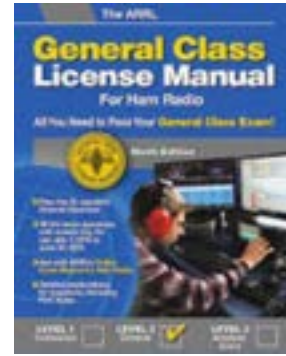


Technician Class

**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.frrl.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.frrl.org and www.arrl.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 www.frrl.org sessions.

We are in need of

Instructors

If you are willing to teach a section or two contact education@frrl.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 U.S. DEPARTMENT OF JUSTICE									
W9CEQ									
Fox River Radio League PO Box 673 Batavia IL 60510-0673									
<table border="1"> <tr> <td>SEARCHED</td> <td>SERIALIZED</td> <td>INDEXED</td> <td>FILED</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		SEARCHED	SERIALIZED	INDEXED	FILED				
SEARCHED	SERIALIZED	INDEXED	FILED						



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



I have an Astron RS-35A -35Amp power supply for sale-\$150 OBO pictures attached.

I have an Astron RS-10A -10Amp power supply for sale- \$55 OBO pictures attached.

I live in Geneva. Contact info-email-LSB0453@gmail.com and cell-630.209.7712

Thank you

73,Len

10 AMP



35 AMP



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:

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.





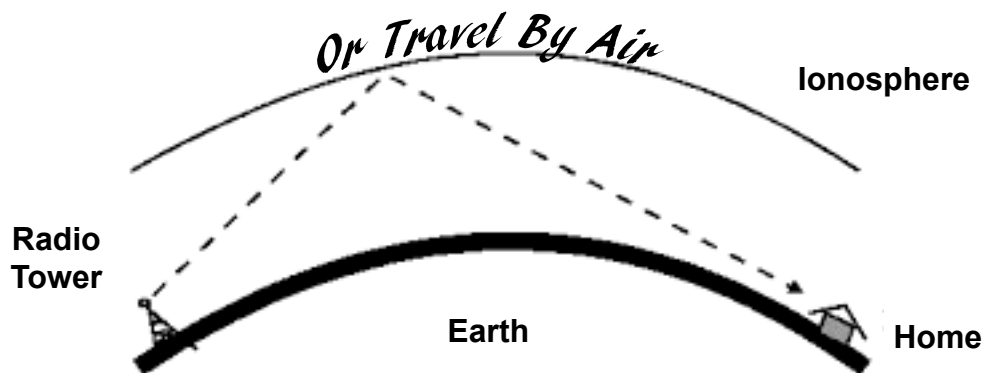
August 11 - 13 | 2023 ARRL [Rocky Mountain Division Convention](#), Albuquerque, New Mexico



August 19 - 20 | [Huntsville Hamfest](#), hosting the ARRL Alabama State Convention, Huntsville, Alabama



August 25 - 27 | [Northeast HamXposition](#), hosting the ARRL New England Division Convention, Marlborough, Massachusetts





Ham Fests

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>

08/06/2023 - Hamfesters 88th Annual Hamfest

Location: Peotone, IL

Type: ARRL Hamfest

Sponsor: Hamfesters Radio Club

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

August 13 – St. Charles Amateur Radio Club, O'Fallon, MO

Sponsor: St. Charles Amateur Radio Club

Website: <http://wb0shi.org>

September 16-17 – Midwest Superfest, Chillicothe, IL

Sponsor: Peoria Area Amateur Radio Club

Website: <https://www.w9uvi.org/midwest-superfest-2023>

October 14 – Sedalia Hamfest 2023, Sedalia, MO

Sponsor: Sedalia Pettis Amateur Radio Klub

Website: <http://www.WA0SDO.ORG>

November 4 – SSARC/RARC 2023 Hamfest, Belton, MO

Sponsor: Southside ARC, Raytown ARC

Website: <https://southsidearc.net/hamfest2023/>

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

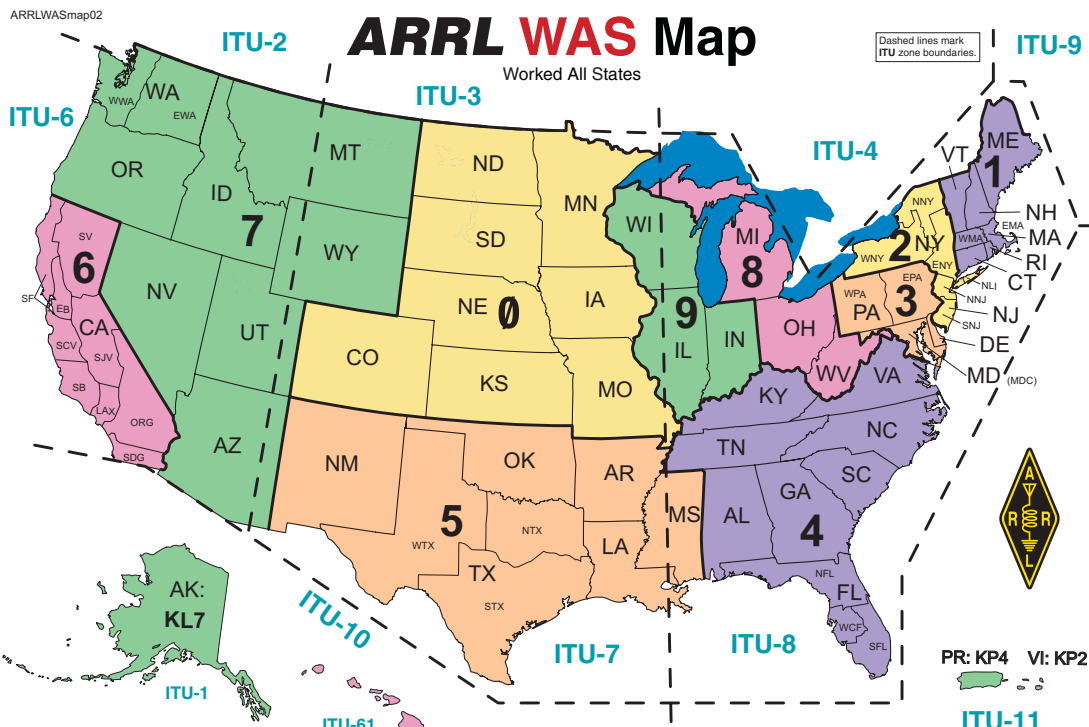
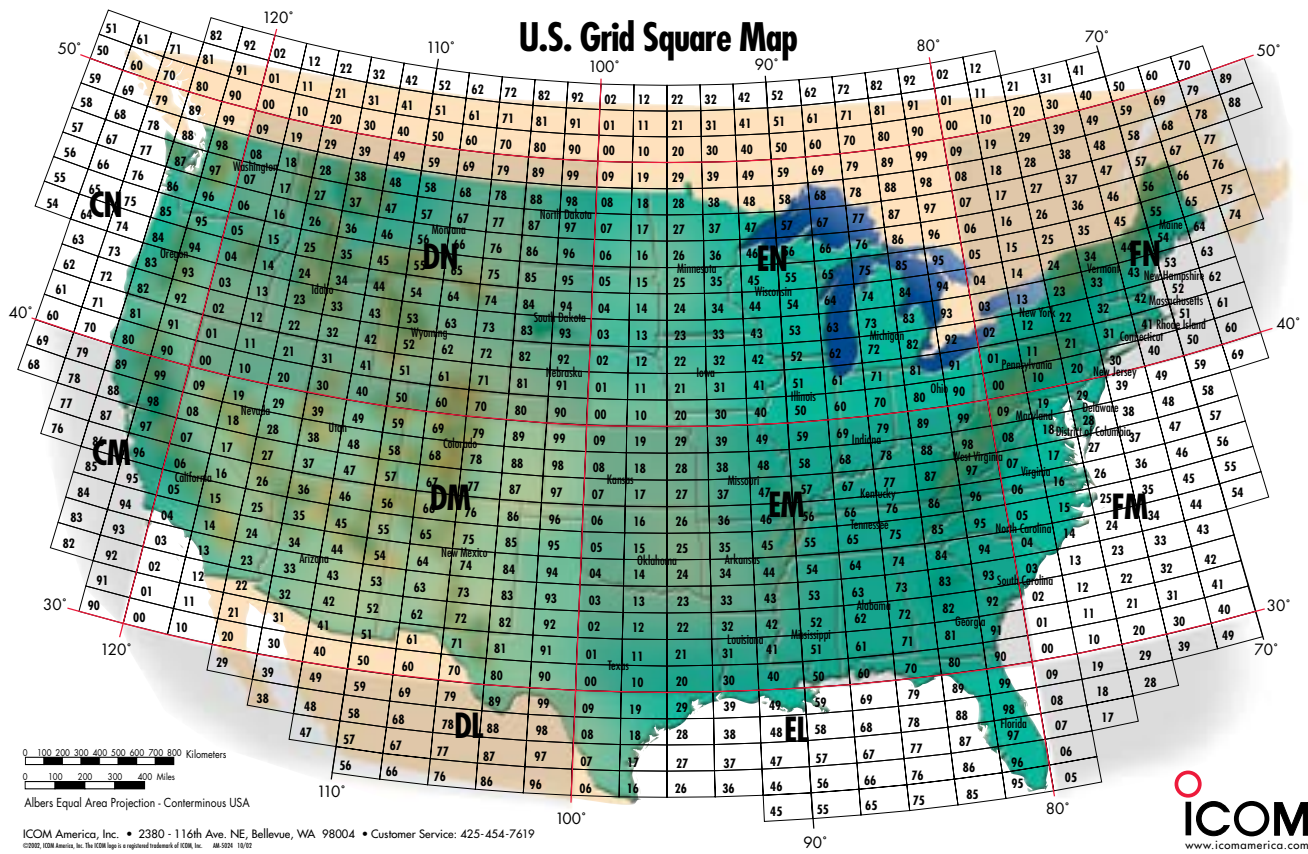
- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [Emergency Communications Training](#)



Kane County ARES

Information

[Click Here](#)



ARRL *The national association for*
AMATEUR RADIO

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ARRL We're At Your Service

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



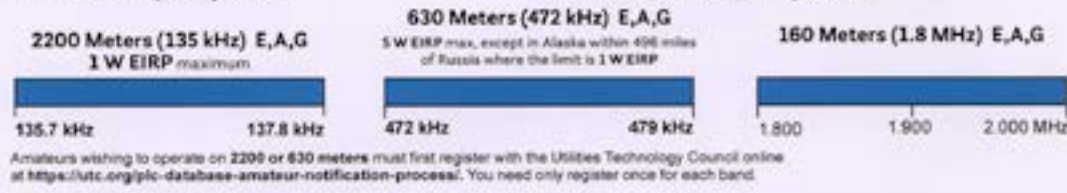


US Amateur Radio Bands

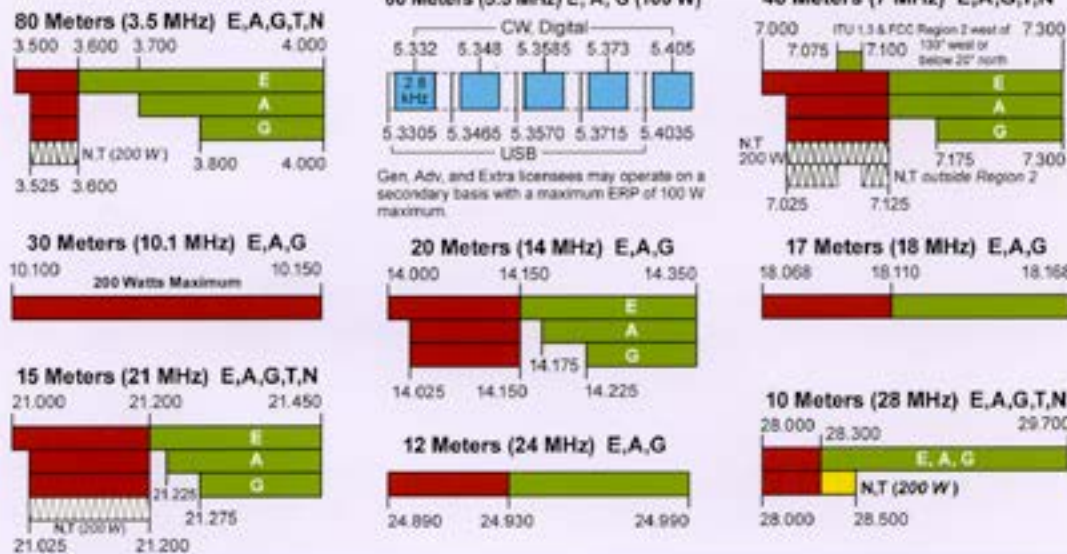
Operator license classes: **E** = Amateur Extra **A** = Advanced **G** = General **T** = Technician **N** = Novice
 CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).

= RTTY, data, phone, image
 = USB phone, RTTY, data and CW
 = RTTY and data
 = phone and image
 = SSB phone
 = CW only

LF – Low Frequency band



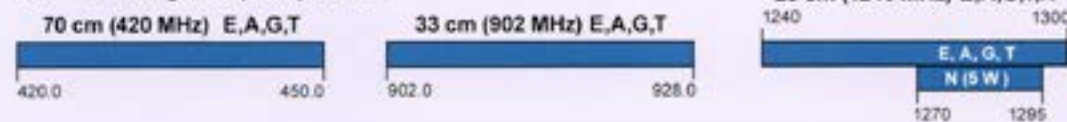
HF – High Frequency bands



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

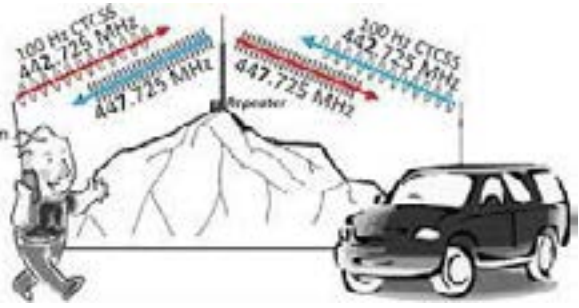
See www.arrl.org/band-plan for detailed band plans.

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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

- (1) Best regards.**
- (2) Alice Cooper**
- (3) Our Gang**

THE FOX RIVER RADIO LEAGUE, INC.

BYLAWS

**Suggested Amendments by
KC9EOQ May 1st, 2023**

ENACTMENT

The final draft of this document was read and approved by the membership present at the Fox River Radio League, Inc. meeting held on June 11, 2019 and was duly recorded in the minutes of that meeting by the Secretary. Subsequent amendments are recorded in the minutes of the meeting at which they were passed.

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BYLAWS

Article I – Name

- Section 1. The name of this organization shall be the Fox River Radio League, Inc. The common abbreviation of this name shall be FRRL.

Article II – Purpose

- Section 1. The purpose of the Fox River Radio League, Inc. shall be to provide a vehicle for the exchange of technical information and for improving the operational skills and enjoyment of both its members and other persons in amateur radio communications. Further, to provide a pool of skilled operators and equipment for use in community service or in the event of a community or national disaster.
- Section 2. The Fox River Radio League Inc., is a Section 501 (c)(3) tax-exempt not-for-profit corporation as defined by Federal and State of Illinois Statutes.

Article III - Membership

- Section 1. All persons interested in amateur radio shall be eligible for membership in the Fox River Radio League, Inc. To be a member, an individual or family must be up to date in payment of FRRL dues. To be eligible to vote on FRRL business, individuals must hold a valid amateur radio license
- Section 2. The Board of Directors may, with the approval of the membership, grant Honorary (nonvoting) membership in the Fox River Radio League, Inc. Honorary members shall not be required to pay dues. Honorary memberships shall automatically expire at each January membership meeting unless renewed for the following year by the Board of Directors.
- Section 3. The Board of Directors may, with the approval of the membership, grant Life membership in the Fox River Radio League, Inc. In order to be nominated for Life membership, a person must be able to prove licensed amateur radio status fifty (50) years prior to the nomination, and must have been a member of the FRRL for at least the last ten (10) consecutive years. A Life member shall have all the rights and privileges of a dues-paying member.
- Section 4. New members or returning members whose membership has lapsed for more than one year shall immediately enjoy all membership privileges except the right to participate in counted or balloted votes which shall be delayed two months from membership application receipt date.

Article IV – Officers

- Section 1. The officers of the Fox River Radio League, Inc. shall be: President, Vice-President, Secretary, and Treasurer.
- Section 2. All officers shall be FRRL members, and shall hold a valid amateur radio license.

- Section 3. The term of all officers shall be for one (1) year starting with the regular February membership meeting and shall expire at the start of the following year's February meeting.
- Section 4. No two (2) family members **covered by or eligible for the same Family Membership** may hold **an** elected office or serve as a Director on the Board of Directors at the same time.
- Section 5. Vacancies occurring between elections must be filled by a special election, to be held at the next regular membership meeting following the one at which the vacancy was officially recorded in the corporation minutes.

Article V - Duties of Officers

- Section 1. The President shall preside at all meetings of the Fox River Radio League, Inc. and shall conduct same according to the rules adopted. The President shall enforce due observance of the FRRL Bylaws: decide all questions of order; sign all official documents that are adopted by the FRRL; appoint the Repeater Board, all committee chairs and, where specified, committee members; and shall perform all customary duties pertaining to the office of President. A member may serve as President for a maximum of two (2) consecutive terms.
- Section 2. The Vice-President shall assume all the duties of the President in the absence of the latter. The Vice President shall also assume the duties of any other absent officer and other duties as assigned.
- Section 3. The Secretary shall keep a record of the attendance at, and proceedings of all Membership and Board of Directors meetings; keep a list of the membership; carry on all corporation correspondence authorized by the Board of Directors unless otherwise assigned to another member; read communications at each meeting and other duties as assigned.
- Section 4. The Treasurer shall receive all monies; pay all bills; and keep a just and regular account of the same. At each regular meeting, the Treasurer shall submit a financial report to the officers and the general membership. The Treasurer shall pay no bills greater than two hundred (\$200) for non-budgeted items without the approval of the general membership. All checks are to be signed by the Treasurer and one of the following officers; the President, Vice-President, or Secretary. Check cosigners shall not be related by blood or marriage. The Treasurer shall maintain control of the Club Debit Card(s) and report transactions to the Board of Directors on a monthly basis. The Treasurer shall also provide financial documents to the Board of Directors for a quarterly review. ***(Add) For purposes of compiling an annual budget, the Treasurer shall receive from each committee and Board of Directors member where appropriate, an estimate of costs for the next twelve (12) months. Budget components are due three (3) months before the end of the fiscal year (November 30) (Change to: on October 31st of each year.)***

Article V I - Directors

- Section 1. All Directors shall be FRRL members and shall hold a valid amateur radio license.
- Section 2. The Board of Directors shall be comprised of the Officers of the Fox River Radio League, four (4) Directors elected by the membership, and one (1) Director who is the **Immediate (immediate)** Past President. The President shall act as Chairman of the Board of Directors.
- Section 3. The duties of the Board of Directors are to conduct the necessary business of the FRRL as may occur between membership meetings; provide direction and guidance in achieving the goals and objectives of the FRRL; and assist **committees (change to: all appointed Committee Chairpersons)** and the Repeater Board in making decisions necessary to support FRRL activities and functions. Decisions of the Board of Directors shall stand.
- Section 4. The four Directors elected to the Board by the membership shall serve staggered two (2) year terms, with two (2) Directors elected each year. Whenever necessary, the initial term of any newly elected Director may be reduced by the membership in order to ensure that the term of two directors expire each year.

- Section 4. The four (4) Directors elected to the Board by the membership shall serve staggered two (2) year terms, with two (2) Directors elected each year. Whenever necessary, the initial term of any newly elected Director may be reduced by the membership in order to ensure that the term of two (2) directors expire each year.
- Section 5. The **Immediate (change to: immediate)** Past President shall serve as a Director until succeeded by the next retiring President. If the **Immediate (change to: immediate)** Past President is unable to serve as a Director, any other Past President shall be appointed for a term of one (1) year, or any fraction remaining, by the President, subject to confirmation by the Board of Directors.
- Section 6. Vacancies occurring between elections must be filled by a special election, to be held at the next regular membership meeting following the one at which the vacancy was officially recorded in the corporation minutes.

Article VII - Election of Officers and Directors

- Section 1. Nominations: The Nominating Committee shall present, at the November meeting, a slate of candidates consisting of a minimum of one (1) name per office. Nominations shall also be accepted from the floor at only the November meeting. All nominations shall be published in the next issue of the FRRL Newsletter and the FRRL **Website (change to: website)** no later than one week prior to the December meeting.
- Section 2. Election: The annual election of all officers and the directors shall take place at the December meeting. The balloting shall allow for write-in names. A candidate shall be declared elected if that candidate receives the most votes cast by the members. **(add: At the discretion of the Board of Directors, an electronic voting system may be used.**
- Section 3. Absentee Ballots: Absentee ballots are allowed only for the election of officers and directors. The absentee ballot shall be prepared by the voter and delivered prior to the start of the meeting at which the annual election of officers and directors is held. The office being voted on with the first and last names or the callsign of each candidate shall be listed on this ballot. The completed ballot may be sent via email or physical means. The email ballot shall be sent to the chair of the nomination committee. Alternatively, a physical ballot may be enclosed in a sealed envelope that is both printed and signed in ink using first and last name of the voter. The physical ballot should be delivered to any officer. The ballot shall be opened and tallied at the election. At the discretion of the Board of Directors, an electronic absentee voting system may be used.

Article VIII - Removal of Officers, Directors, or a Member

- Section 1. Removal of an Officer, Director, or a member shall be proposed in writing and presented in person, by a member, at a Board of Directors meeting. The **board** (Board) shall then determine if the proposal should be referred to an ad hoc Review Committee for investigation and resolution.
- Section 2. The Review Committee shall make a good faith effort to resolve the problem(s) that led to the removal proposal. Committee meetings and detailed deliberations shall be open only to person(s) specifically invited by the committee. The committee shall report its findings and recommendation(s) to the **board** (Board) no later than the regular **board** (Board) meeting in the month following the **board** (Board) meeting at which the proposal was first made.
- Section 3. Upon a recommendation of the Review Committee, a formal motion may then be entered into the Board minutes by the member who made the original proposal. That motion shall be automatically tabled by the Board until the next regular monthly Board meeting. The motion must then be voted upon by the Board. If further action is required, a **publication (notice)** shall be sent to all members via First Class U.S. mail, a minimum of two weeks ahead of the next regular monthly membership meeting.
(This needs to be revised as there is only one week between the Board meeting and the "next" regular monthly membership meeting.)

automatically tabled by the Board until the next regular monthly Board meeting. The motion must then be voted upon by the Board. If further action is required, a **publication** (change to: notice) shall be sent to all members via First Class U.S. mail, a minimum of two weeks **(14 days)** ahead of the next regular monthly membership meeting (add) **or by electronic notice ten days (10 days) before the next membership meeting.** At this next meeting, the membership shall resolve to a committee-of-the-whole and conduct a hearing to determine the validity of the reasons for removal. The hearing shall be chaired by the Review Committee Chairman or another FRRL member appointed by him. When the hearing has been completed, an immediate vote shall be taken on the motion. A three-fourths (3/4) vote of the members present shall be required to approve said motion.

Article IX - Committees

Section 1.0 All committee chairs, the database manager, the newsletter editor, and the license trustee, shall be FRRL members, shall possess a valid amateur radio license, and shall be appointed or removed by the President, subject to confirmation by the Board of Directors. ~~(Remove) Unless stated otherwise, these individuals shall appoint the rest of their committee members, and shall have ultimate responsibility for all committee operations within the budgeted expense limits for that committee. The rest of the committee members are not required to have a valid amateur radio license.~~

(Insert:) Unless stated otherwise, these individuals shall appoint the remaining members of their committee, and shall have ultimate responsibility for all committee operations within the budgeted expense limits for that committee. The regular members of the committee ~~members~~ are not required to have a valid amateur radio license.

Section 2.0 Standing committees are described in Sections ~~3~~ 2.1 through ~~10~~ 2.5 of this Article. All standing committee chairs shall be published on the Club website. (Insert): **They are: (a) Banquet; (b) Field Day; (c) Public Relations; (d) Nominations and Elections; (e) Technical; (f) Program; and (g) Education.** The President, by January 31st of each year, shall appoint from the membership, chairpersons for standing committees.

Add new Sections as shown below:

Section 2.1 The chairperson for each committee will be responsible for directing the activities of that committee, including (a) communicating with their committee members the necessary actions to be taken; (b) creating a budget or projection of costs to perform the committee's functions and presenting such requests for allocation of funds to the Board of Directors for its consideration; (c) overseeing the expenditure of any funds allocated for the operation of the committee, in cooperation with the Treasurer; (d) encouraging other members to join the committee to assist in performing the committee's duties (including representatives of Corporate Members), and naming such persons as members; (e) appointing a committee vice chair; and (f) preparing such reports as are necessary and required for consideration by the President, the Board of Directors ~~or the Executive Committee~~, as applicable.

Section 2.2 Committee chairpersons shall be deemed to have discretion in the performance of the committee's duties and are entitled to make reasonable and necessary decisions that facilitate the operation of their committee, which decisions do not conflict with the Club's ~~Constitution~~, By-laws or any previous decision made by the Board of Directors.

Section 2.3 Notwithstanding the foregoing, all decisions made by the committee chairpersons, remain **subject to the authority of the Board of Directors.**

1. The Field Day Committee shall be responsible for the organization and operation of the ARRL Field Day event.

2. The Education Committee shall be responsible for license training classes. This includes

promotion, scheduling, coordinating instructors and other duties as assigned.

3. The Program Committee shall be responsible for providing educational, informative and entertaining programs for the membership at each regular meeting.
4. The Public Relations Committee shall inform the general public of meetings, events and activities of the FRRL and, in general, act to promote amateur radio to the general public.
5. The Technical Committee shall be available to members who request technical assistance in amateur radio; make recommendations to the Board on technical matters affecting the amateur community as a whole; and provide guidance in the planning of the technical aspects of FRRL projects and activities. (Add): A form to request guidance is available to any club member upon request to any committee member.
6. The Banquet Committee shall recruit members and non-members to organize an annual banquet. The banquet program shall recognize amateur radio member accomplishments, for example, license upgrades, DXCC, and WAS. Location, meal planning, program, and pricing will be determined by the Banquet Committee.
7. ~~The ad hoc~~ The Nominations and Elections Committee shall consist of three (3) members appointed by the President, subject to confirmation by the Board of Directors, shall be announced at the regular September membership meeting.
8. Additional ad hoc (special purpose) committees may be appointed, from time to time, as deemed necessary. Due to the transient nature of these committees, they are not published in the annual FRRL Membership Roster.
9. The ad hoc Review Committee shall consist of a chair and two additional members (**remove**) ~~all~~ appointed by the President, subject to confirmation by the Board of Directors. The committee shall be responsible for investigating and resolving - without further membership involvement, if possible - any dispute or proposal referred to it by the FRRL Board of Directors. In the event of a dispute against the President, the Vice President shall convene the committee.

Section 2.4 Additional individual assignments may be appointed by the President, from time to time, as deemed necessary. Due to the transient nature of these committees, they are not published in the annual FRRL Membership Roster.

1. The Database Manager shall maintain a membership roster and provide roster updates as necessary.
2. The License Trustee for Club call W9NE (add)and W9CEQ shall be responsible for the proper use and maintenance of the FRRL's Amateur Radio Club License.
3. The Newsletter Editor shall be responsible for the publication and distribution of the monthly FRRL newsletter. The newsletter shall be used to inform the membership of meetings, notices as required by the Bylaws, events, activities, and other items of interest relating to amateur radio.
4. The Webmaster shall be responsible for the installation and maintenance of the FRRL World Wide Web page. The web site shall be used to inform both the members and the public about FRRL activities, and to provide the means for interactive communications between the members and between potential members and the club officers.

Section 2.5 All committee Chairs, the Database Manager, the Newsletter Editor, and the License Trustees shall be current FRRL members, and shall possess a valid amateur radio license. The other committee members are not required to have a valid amateur radio license.

Article X - Repeater Board

- Section 1. Purpose. The Repeater Board is tasked with the operation and maintenance of the FRRL repeaters. This board (Board) will be operationally independent of the FRRL (add) Board of Directors but will work within the fiscal constraints of the FRRL budget and will provide quarterly reports to the Board and membership concerning any repeater issues and their corrective actions.
- Section 2. The Repeater Board shall consist of five (5) FRRL members who hold valid amateur radio licenses: Chairman, License Trustee, Secretary and two (2) additional members who are appointed by the FRRL President with the advice and consent of the FRRL Board of Directors. Repeater Board members may only be removed by the FRRL President with the advice and consent of the FRRL Board of Directors.
- Section 3. The License Trustee (add) for the club call of W9CEQ shall serve on the Repeater Board for an indefinite period. The other four (4) members shall serve staggered two-year terms. All fractional term vacancies shall be filled by appointment by the FRRL President with the advice and consent of the FRRL Board of Directors.
- Section 4. The Repeater Board shall meet a minimum of four (4) times a year on a quarterly basis. A quorum of four (4) members is required to conduct all business. The (add: Repeater) Board's Secretary shall take formal minutes of all meetings and present a (insert) written report of each meeting at the next regular FRRL Board of Directors meeting.
- Section 5. The Repeater Board Chair shall be selected by the members of the Repeater Board to serve for a period of one (1) year. To be eligible to serve as the Repeater Board Chair, the candidate must have served on the Repeater Board for a minimum of two (2) years.
- Section 6. The Repeater Board's duties shall consist of:
1. Establishing and enforcing repeater use policies and/or guidelines for all FRRL repeaters. These shall be approved by the FRRL Board of Directors.
 2. Establishing and maintaining all repeater site use agreements.
 3. These agreements shall be approved by the FRRL Board of Directors and signed by the FRRL President on behalf of the corporation.
 4. Providing for the maintenance of all repeater system equipment.
 5. Planning and implementing new repeater features and/or replacement of equipment.
 6. Developing and following an annual budget that includes both operation and capital expense projections, and income estimates to cover these expenses. This budget shall be approved by the FRRL Board of Directors as a specified section of the annual FRRL Budget.
 7. Resolving - without further membership and FRRL Board involvement, if possible - all disputes about repeater development, maintenance, use, and protocol. If the Repeater Board is unable to do this, the dispute shall be referred to the FRRL Board of Directors for further action.

Article XI - Meetings

- Section 1. The regular monthly membership meetings of the Fox River Radio League, Inc. shall be held on the second Tuesday of every month. The Board of Directors of the Fox River Radio League, Inc. shall hold a monthly meeting at a location, date, and time of its choosing. The FRRL newsletter and the Club Website website shall be the normal vehicle for official notification of all Board and membership meetings.

- Section 2. Any permanent changes in the date, time, and/or location of the regular monthly membership meetings shall be proposed by the Board of Directors and ratified by a simple majority of the membership present at a duly called **membership** meeting.
- Section 3. All **B**oard, committee, and membership meetings shall be conducted under Robert's Rules of Order unless otherwise specified in the FRRL Bylaws.
- Section 4. Voting at all membership meetings shall be done only by FRRL members. In the case of FRRL family memberships, only those persons domiciled at home and holding a valid amateur radio license shall vote. If a given issue cannot be determined by ayes and nays, a show of hands shall be used unless a simple majority of the members' present vote to use a secret ballot. Proxy voting is not allowed. Absentee voting shall be allowed only for the election of officers and directors as described in Article VII.
- Section 5. All general membership voting, electing, or approving of transactions of club business required by these **B**ylaws shall be held at a duly called FRRL membership meeting at which a quorum is present. At said membership meetings, a quorum shall be fifteen percent (**15%**) of the total voting membership except **when** a twenty percent (**20%**) quorum shall be required for voting on **B**ylaws amendments, **O**fficer and **D**irector removal or **M**ember removal.

Article XII – Dues

- Section 1. The membership dues of the Fox River Radio League, Inc. shall be thirty dollars (\$30.00) per year; except that senior citizens (65 & older), military personnel on active duty, and full-time students not yet having attained their twenty-second birthday, shall pay twenty-five dollars (\$25.00) per year. A family membership shall be forty dollars (\$40.00) per year regardless of the number of **household family** members.
- Section 2. The optional FRRL repeater contribution shall be established by the Fox **River Radio League** Repeater Board per year for all **types levels** of FRRL **members membership**.
- Section 3. New members joining the FRRL ~~and/or supporting the FRRL repeaters~~ after the first three (3) months of the year shall pay dues ~~and/or the repeaters contribution~~ pro-rated to the quarter of the year in which they first join. Example: individual or family **memberships** joining in **the** April-May-June **quarter** pays ~~3/4~~ **seventy-five percent (75%)** of the annual rate.
- Section 4. All FRRL membership dues and/or repeater donations for the following year shall be payable starting at the October membership meeting of the ~~preceding~~ **current** year and shall be due by the January membership meeting of the ~~current~~ **following** year.
- Section 5. Any FRRL member failing to pay the annual FRRL dues by the close of the January membership meeting ~~of the current year~~ shall no longer be a member of the Fox River Radio League. **Membership in the FRRL Groups.io email reflector will be terminated.**

Article XIII - Dissolution & Asset Disposition

- Section 1. In the event of the cessation of any FRRL organizational activities for a period of at least eight (8) calendar months, the then remaining Officers and Directors may submit a proposal to dissolve the FRRL to the members.
- Section 2. Upon approval of a majority of the remaining members, the surviving Officers and Directors shall: (1) Pay all outstanding bills, to the extent that FRRL assets permit, (2) Surrender the Corporate Charter to the Secretary of State of Illinois, and (3) Transfer all remaining organization assets to the American Radio Relay League Foundation, a charitable foundation as defined by applicable Federal IRS Regulation(s) and/or Statutes.

Article XIV - Amendments

- Section 1. Any amendment to the FRRL Bylaws shall be proposed in writing by a member. The proposed amendment shall clearly state which Article(s) and Section(s) would be changed.
- Section 2. The proposed amendment shall be read in full at a regular membership meeting by the President; discussed and amended as deemed necessary by the membership; and then tabled for a vote at the next monthly membership meeting following its publication. The proposed amendment shall then be published in the FRRL newsletter. Once the proposed amendment has been published, it is no longer amendable, unless it is published again in its amended form.
- Section 3. At the next regular membership meeting following publication, or re-publication of the proposed amendment, a membership vote shall be conducted. A two-thirds (2/3) majority of the voting members in attendance shall be necessary to pass the proposed amendment. The amendment, unless otherwise specified, shall take effect immediately upon membership ratification.

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