



# ARCOVER

DECEMBER 2023



The Official Newsletter of the Fox River Radio League  
99 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](mailto:info@frrl.org)  
Website: <http://www.frrl.org>





From  
*the desk*  
 of....

The Esteemed  

**Terry Todd**

*This is the season for black Friday specials. I'm hoping there will be some really good deals on ham radio gear. It's time to gear up for the Winterheat 24 simplex event (not a contest). Take a look at hamactive.com to find out more about it.*

**Terry - W9AUV**

W  
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President  
 Todd  
 Welcomes  Our  
 Newest  
 Members

Call Sign	Name	License
	Kimberly Christensen	
KD9WNY	Dane Christensen	General
WB0OET	Greg Copeland	General

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# ARC OVER

## FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES November 14, 2023

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

Meeting Minutes November 14, 2023

The November meeting of the Fox River Radio League was conducted at Bethany Lutheran Church in Batavia, IL. There were 42 members in attendance and 5 members attended via Zoom.

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

All Board members were present except for Secretary Art NN9I.

Minutes: Acceptance of the October 2023 Membership Meeting minutes as printed in the ArcOver were approved by the membership. Motion: Mike K9FE 2<sup>nd</sup> by Denny W9HI

Treasurer's Report: Dan WA9YKK reported the account bank balances as of November 14, 2023:

### Reports:

100<sup>th</sup> Anniversary Committee: Evelyn, W9EVE advised that progress is being made by the committee. With help from Greg, N9CHA a video is going to be produced with club history and interviews with members. The 100<sup>th</sup> anniversary banquet will be held on Tuesday September 10, 2024.

Public Information Officer: Jerry N9JLC. No Report

Membership/Database: Chris, KC9BKS advised we have 156 members with 111 of them in Groups IO.

Club Activities: Paul KC9SEB advises he has a program queued up for the January 2024 meeting. Mike, K9FE explained the white elephant gift exchange that will take place at the December meeting.

Technical: John KC9OJV had nothing to report.



Education: Denny W9HI advised he has received many requests for a Technician's class. This will likely take place on Zoom as it has in the past. Stay tuned. The Extra class will conclude on December 2<sup>nd</sup>. The next VE session will be on Thursday November 16<sup>th</sup>. VE's are needed to attend.

Repeater- Kermit, W9XA advises that they have been to the VHF repeater site several times in the last three weeks. There were three issues to be addressed, two of them have been resolved and one remains. Everything has tested good but the noise floor is starting to become an issue that will need to be dealt with. The 220 repeater will be finding a new location, possibly on a 200 foot tower. Kermit also reminded the members to consider making a donation to the repeater fund when renewing your membership for 2024.

ARRL Section Emergency Coordinator: Robert W9DSR reported that the Central Division convention will be at the Ft. Wayne, IN hamfest. The ARRL Emergency Coordinator will be there. On March 16, 2024 there will be a short exercise with Kendall County called "The Tune-up".

Nomination Committee: The slate of nominees was presented as of the time of this meeting.

President: Kermit Carlson, W9XA  
Vice-President: Robert Littler, W9DSR and Will Sperling, W9WSS  
Secretary: Art Shuter, NN9I  
Treasurer: Dan Harmon, WA9YKK  
Director: Patrick Brode, KB9ANL, and Dan Nolan, WA9FRY

Voting will be via electronic balloting. Information will be sent to the members on how to vote.

Old Business:

Club Apparel: Will, W9WSS advised that he has been in contact with a company where as club members can order shirts, hats and other apparel. He will advise when the site is up and running.

New Business:

Life Member Nomination: Terry, W9AUV advised that Dan Harmon, WA9YKK qualifies for Life Membership and has been granted such status by the Board of Directors.

Announcements from the Floor: Eric, K9LGE advised that club member Tom Ciciora, KB9QPN is in the hospital.

Adjournment:

The meeting was adjourned at 2020hrs CST motion by Eric, K9LGE; Second by Jerry, N9JLC

Upcoming Events:

November 20th Newsletter Deadline  
December 5th BOD Meeting  
December 12th Membership Meeting  
December 20th Newsletter Deadline

Program: Nominees were invited to the front of the room to introduce themselves.

Respectfully submitted,

*Dean Holste, KC9EOQ*  
Acting FRRL Secretary



# December 2023



# Fox River Radio League



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2 Extra License Class 9a-1230p
3 INFORMAL ALL OPR NET 1900	4 CW NET 28.150 2000  SSB NET 28.720 2030	5 1900 FRRL BOD Meeting 1930 FRRL 2m Net	6	7 	8	9
10 INFORMAL ALL OPR NET 1900	11 CW NET 28.150 2000  SSB NET 28.720 2030	12 1930 FRRL Membership Meeting No Net	13	14	15	16
17 INFORMAL ALL OPR NET 1900	18  Deadline	19 1930 FRRL 2m Net	20	21	22	23
24 INFORMAL ALL OPR NET 1900	25 	26 1930 FRRL 2m Net	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	

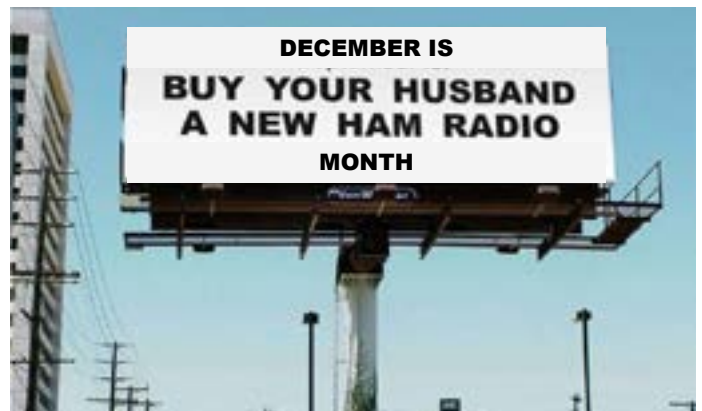


# ARC OVER

NEWS AND INFORMATION CENTER

*Local - National - International*

SIGNS YOU MAY SEE AROUND KANE COUNTY JUST IN TIME FOR



Membership rates are as follows:

REG: Regular dues are \$30.00 per year,

FAM: Family dues are \$40.00 per year  
(family members at the same address)

SRC: Senior Citizen dues (65 and  
older) are \$25.00 per year,

STU: Student (Full time, under 22) dues  
are \$25.00 per year.

MIL: Active Military dues are \$25.00 per  
year.

You can also help support the FRRL  
Repeaters by making a \$10.00 (or  
more!) annual contribution.



**PAY / RENEW  
MEMBERSHIP  
DUES  
ONLINE**

**CLICK  
HERE**

2024

**FRRL**  
**Officer and Director**  
**Candidates**


2024

You'll receive an Email as to when the "polls" open and instructions on voting.




★ ★  
Voting starts at 11:59PM  
Monday December 6th and  
ends at 11:59PM on Monday  
December 13th.


Office of President  
Kermit Carlson  
W9XA




Office Of Treasurer  
Dan Harmon  
WA9YKK



Ofc of Vice President  
Will Sperling  
W9WSS




Director  
Pat Brod  
KB9ANL




Ofc of Vice President  
Robert Littler  
W9DSR




Director  
Dan Nolan  
WA9FRY




Ofc of Vice President  
Dan Nolan  
WA9FRY



Director  
Will Sperling  
W9WSS



Office Of Secretary  
Art Shuter  
NN9I



**Vote for:**  
One President  
One Vice President  
One Secretary  
One Treasurer  
Two Directors





# White Elephant Gift Exchange

When: Dec 12th Mbr Meeting

Bring a gift bag with ham radio stuff

Extra paper bags will be available

Bring a gift take a gift

KF9E says "NO JUNK" equipment



Bring snacks to share at the meeting



There will be door prizes given out.. To be eligible you must sign in the register book when you arrive at the meeting..

Please bring non perishable items to the meeting for a local food Pantry..





# Repeater Committee met October 25th by Zoom.



Matters discussed:

Changes and improvements for Elburn and Plano repeater site. Note; Since that repeater meeting two visits to the Plano have taken place by Pete Walter, K9PW and Kermit Carlson W9XA. More measurements will be made to the antenna system.

The cellular-based internet “Verizon Jetpack” module was found to have stopped working in late October with a battery failure. The “Jetpack” unit was to have been phased out with the change in the service area from generation-3 “Gen3” to “Gen4-LTE” last year. The main impact was that the Plano DMR System had become stand-alone and was not connected to the CC-Chicagoland Bridge.

A hard-line internet connection has been installed for the repeaters, this connection is being provided without charge. The connection has been operating flawlessly and the DMR Plano repeater has remained connected continuously since the installation was completed.

The Elburn site had been visited in September for work on the Voter and control systems. {Update - a visit to the Elburn site for measurements and improvements was made by K9PW and W9XA on November 8th.}

Work on the voting system has been progressing. Curt Sauer, W9YNP, has been working on the All-Star Voter system. Note- since the Repeater Board meeting, Curt has made significant progress, and the voter is working on the bench. This All-Star voter will allow for the use of multiple receivers for the 147.21 MHz FM repeater.

223.86 FM Repeater Temporary site and Permanent site; A potential site owner is seeking permission from the main tower tenant for the installation of the FRRL 222 repeater at a long-term location in a central Kane County. There is no definite agreement at this time.

There is a plan to have a tower crew install an antenna and feed-line on the W9XA tower in Batavia for a temporary location. That installation is pending the schedule and availability of a tower crew. The temporary installation will be done with no cost to the FRRL.

All of the repeater systems continue to operate normally

Respectfully submitted on behalf of the FRRL Repeater Board,

Kermit Carlson W9XA





If you have any memorabilia about the club please contact:

FRRL VP [Eve Schneider W9EVE](#)

Hi all! I'm sending out another all call for items to showcase on our 100 Year Anniversary video. Please see below and bring your items to our next General Membership Meeting on Tuesday, November 14, 2023!

The 100 Year Anniversary Committee is working hard on producing a video to highlight the last 100 years of the FRRL. We are looking especially forward to capturing moments from the early days of the club!

Do you have any FRRL items from the 1920's? Or the 1930's? Or the 1940's or the 1950's? Or the 1960's or the 1970's? How about the 1980's or the 1990's? The turn of the century? Or even more recently?

Greg Braun, N9CHA, has graciously volunteered to produce our video. It is going to be fabulous - and we need your help!

We would like to showcase any items that you may have in our video. Please consider sending me any digital items by replying back to this email and attaching it. Include your name and call sign and, if you know, what year the picture was taken and what event it was.

- We are looking for historical documents or photos, and any of the following:
- QSO Cards - including those of previous members
- Newspaper clippings
- Paper Documents
- Photos from events or slides or negatives
- Arcover issues
- Memorabilia, such as mugs, hats, shirts
- Old Ham Shack photos

etc. etc. etc.

If you have items that are not in electronic format we can help get those scanned or photographed and get them back to you.

You can bring in any items that are not in an electronic format to the next General meeting, which is on Tuesday, November 14, 2023. Please package and label your items so that we can get them back to you. Include your name and call sign and, if you know, what year the picture was taken and what event it was.

We are planning on having a 100 Year Anniversary Banquet on September 10, 2024! More info to follow. For now - mark your calendars!

Evelyn, W9EVE  
Vice President, FRRL  
100 Year Anniversary Committee Chair  
630-417-4849



The Gateway 160 Meter Radio Newsletter  
by Tom Lebryk (KD9NPR)

Wintertime is a good time to listen to top band. If you have nothing to do on a Saturday night and do not want to do any QSO's, tune into Vern Jackson's station WA0RCR on 1860 kHz. He runs an AM station with 3 to 4 hours worth of radio programs that loop/repeat until around 3:30am CT. He is located in Wentzville, MO and is easily heard in Northern Illinois in the evening.

Some of the prerecorded Programs featured are:

- This Week In Amateur Radio
- ARRL Audio News
- Amateur Radio Newsline
- The Rain Report
- QSO Today interview
- Houston AMSAT net
- The World of Radio by Glenn Hauser
- St. Louis Amateur Radio News
- Handiham World
- Announcements as needed



Vern runs professional equipment like Inovonics digital audio processor, Sony Sound Forge with an automation computer, and other tools which allow for compression, modulation, dynamic range, and 16-bit WAV files. Give him a listen every Saturday on 1860 kHz.

Website: <https://www.wa0rcr.com>

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**2023 SKYWARN™ Recognition Day**



The National Oceanic and Atmospheric Administration (NOAA) and the National Weather Service (NWS) are finalizing plans for 2023 SKYWARN™ Recognition Day. The event is held annually on the first Friday and Saturday of December, so this year it will be on Friday, December 1, and Saturday, December 2. SKYWARN Recognition Day was developed in 1999 by the NWS and ARRL. It celebrates the contributions that volunteer SKYWARN amateur radio operators make to the NWS. During the event, SKYWARN operators visit NWS offices and contact other radio operators across the world. More details about the event will be posted on the [SKYWARN™ Recognition Day](#) and ARRL websites.



The 18th Annual ARRL Online Auction, sponsored by RT Systems Inc, raised \$31,000 in support of amateur radio. The auction took place during October 13 - 19, 2023.



## Using WD40



Be careful with spray lubricant, as it may be incompatible with some plastics. Here's an article from This Old House that offers the best practices for [using WD-40](#). According to the article, you should be especially careful around polystyrenes and polycarbonates.

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## Winter Field Day



[Winter Field Day](#) is January 23-24, 2024. According to its website: "Winter Field Day (WFD) is a communications exercise. WFD is held on the last full weekend in January. WFD can be worked from the comfort of your home or in a remote location. You can participate by yourself or get your friends, family, or whole club involved. Winter Field Day is open to participants worldwide. Amateur radio operators may use frequencies on the HF, VHF, or UHF bands and are free to use any mode that can faithfully transmit the required exchange intact. Similar to the ARRL Field Day, bonus points are earned in several ways, including using non-commercial power sources, operating from remote locations, satellite contacts, and more.

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## Santa Net

The 16th annual [Santa Net](#) will be on the air evenings at 7:00 PM CT between Thanksgiving and Christmas on 3.916 MHz. Check in is taken 30 minutes before the net begins. Youngsters can talk to Santa at the north pole using strategically placed operators who relay the voice of Santa. The Santa Net is a team effort by The 3916 Nets members, and they're expecting over 1,000 contacts this year. The Santa Net is also streamed live on [YouTube](#).



The winter heat event is continuing again. This is a fun event held in January.

\*\* The web site for WINTERHEAT 2024 is not active yet \*\*

Stay tuned !!







### Technician Class

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

Start: TBD  
End:



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



### General Class

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

Start: TBD  
End:

EXTRA classes are held in person at:

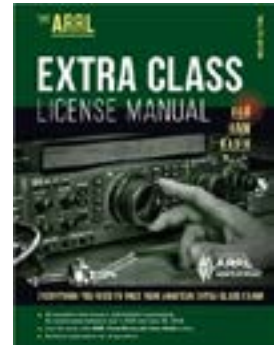


113 Oak St, North Aurora, IL 60542

### Extra Class

Saturday Mornings  
9:00.AM. to 12:30 P.M.

Start: TBD  
End:



The Fox River Radio League (FRRL) presents regular training classes focused toward new Amateurs interested in gaining their Technician class license or upgrading to the General and Extra class licenses.

These are free courses where you will learn everything you need to receive or upgrade to the appropriate FCC radio license.

The textbook for the class will be the official ARRL License Manual. Books are available for purchase via the club at a discounted rate by emailing [education \[at\] frrl.org](mailto:education[at]frrl.org).

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

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

We are in need of

## Instructors

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

Please Note that Tech & General classes are 9 weeks long..

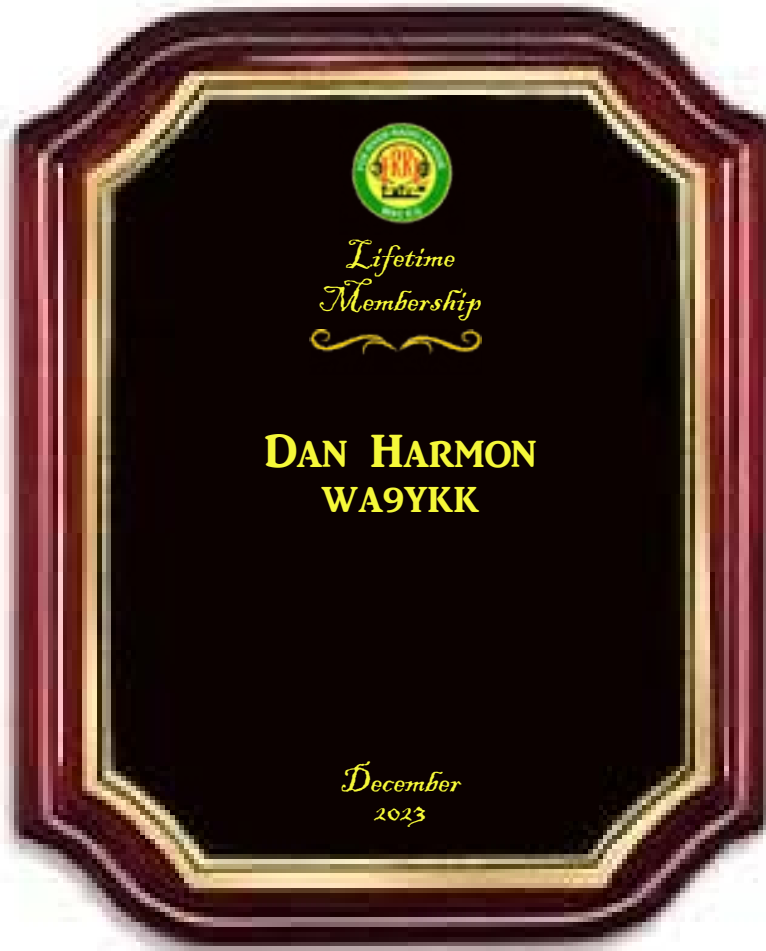
Extra classes are 12 weeks long. You can contact Dennis Barfuss at:

[W9HI@arrl.net](mailto:W9HI@arrl.net)

if you have any questions

Students should read the material in advance of the class. Also bring an inexpensive calculator like a TI-30 x and a notebook and pencil or pen.





Hi all. As mentioned in the meeting on Tuesday evening, planning continues for the 100 Year Anniversary Celebration. Greg Braun, aka - the man from Wisconsin, aka - N9CHA, is looking for some answers to the following question.

**“Why does ham radio interest you?”**

I will compile the answers and pass them along to Greg. Answers may be showcased in the video he is creating at our 100 Year Anniversary Celebration Banquet. You may even be contacted to provide additional information...or even to be featured in the video!

Evelyn  
100 year Chairperson

Please send your answer to [Evelyn Schneider](#)





Thomas T Ciciora  
March 1957- November 2023

Memorial visitation will be held on Friday, December 8, 2023 from 4:00 – 8:00 P.M. at Beverage Family Funeral Home, 104 Terry St. Sandwich, IL 60548. A Memorial Mass will be held next day, Saturday, December 9, 2023 at 11:00 A.M. at St. Paul the Apostle Catholic Church, 340 W. Arnold St. Sandwich, IL 60548. A graveside service will follow out to St. Paul Catholic Cemetery in Sandwich, IL.

Further information can be found at:

<https://www.beveragefamilyfh.com/obituaries/thomas-tom-ciciora>



## FOX RIVER RADIO LEAGUE

This is the embroidery store that has been talked about at the last few meetings. Apparently they have our logo and can do a variety of things. Check them out at the indicated web address.

Please note the FRRL is affiliated with this vendor. You must deal directly with the store.



*Just Time  
in  
for  
Christmas*

<https://www.jse-repair.com/>

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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:

January 18, 2024

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](mailto:ve@frrl.org)

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## **Illinois Traffic Net**



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

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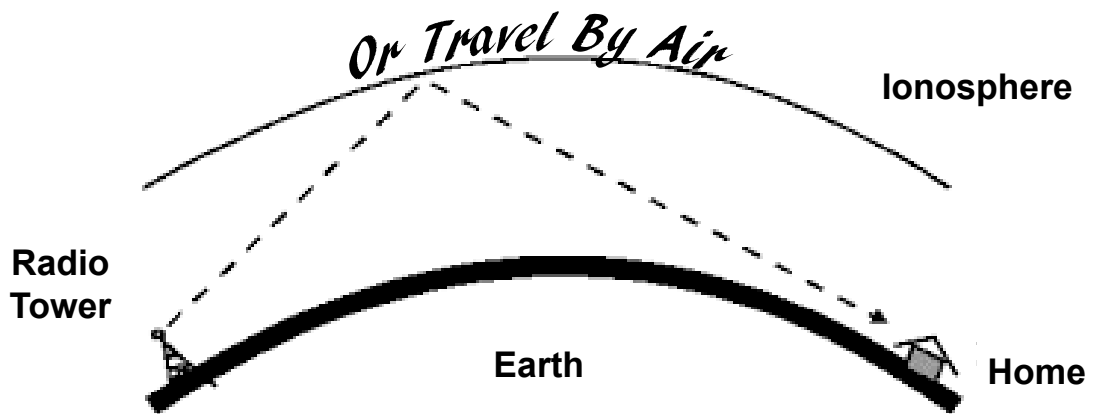




### Out N About

December 8 - 9 | Tampa Bay [Hamfest](#), hosting the ARRL West Central Florida Section Convention, Plant City, Florida

# TAMPA BAY HAMFEST





# Ham Fests

I COULDN'T FIND ANY **DECEMBER** HAM FESTS  
SO YOU'LL JUST HAVE TO DO YOUR BEST  
ON THE NET



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



<https://www.icomamerica.com/lineup/amateur/>



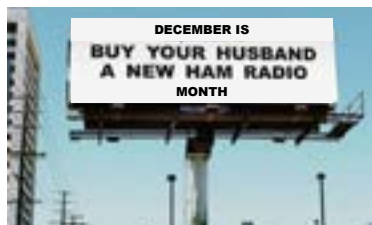
<https://www.yaesu.com/>



<https://www.kenwood.com/usa/com/amateur/>



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



HO!  
HO!  
HO!

RADIO

The FRRL doesn't endorse any particular product line or seller. You can find more sellers on the internet



# 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](mailto: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.](#)

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## BRING BACK "RADIO IN THE PARK"

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



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



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



Consider volunteering  
you can make  
the difference !!



American Red Cross



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

## ARES

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

### ARES Resources

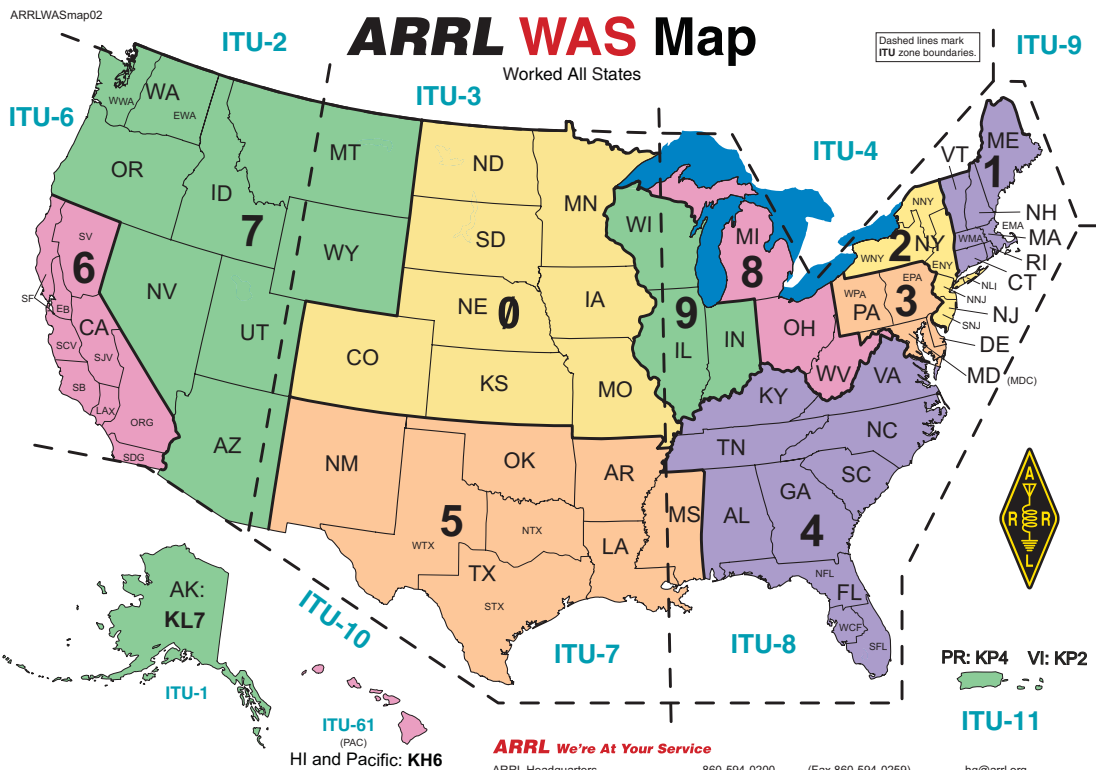
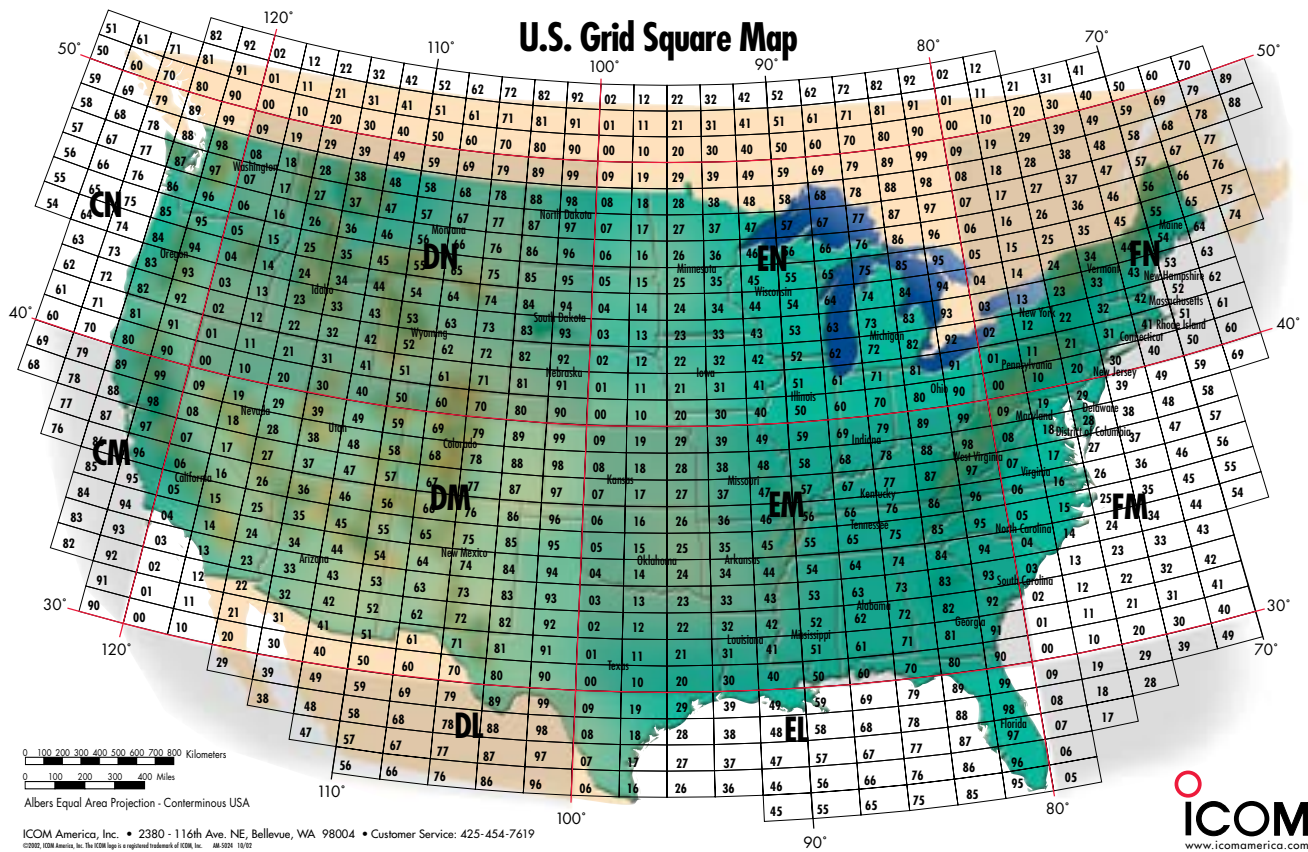
- [Download the ARES Manual \[PDF\]](#)
- [ARES Field Resources Manual \[PDF\]](#)
- [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)
- [Emergency Communications Training](#)



Kane County ARES

Information

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

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 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

**2200 Meters (135 kHz) E,A,G**  
 1 W EIRP maximum



## MF – Medium Frequency bands

**630 Meters (472 kHz) E,A,G**  
 5 W EIRP max, except in Alaska within 498 miles of Russia where the limit is 1 W EIRP



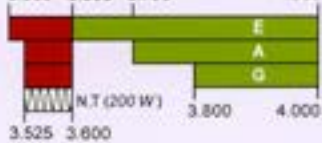
**160 Meters (1.8 MHz) E,A,G**



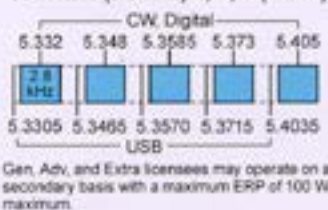
Amateurs wishing to operate on 2200 or 630 meters must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

## HF – High Frequency bands

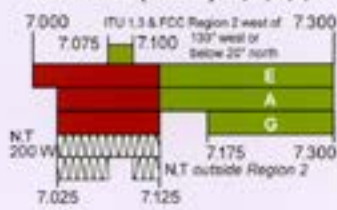
**80 Meters (3.5 MHz) E,A,G,T,N**



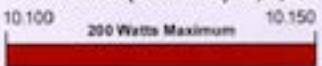
**60 Meters (5.3 MHz) E, A, G (100 W)**



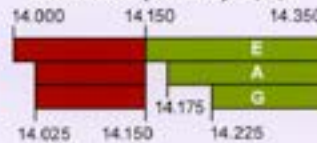
**40 Meters (7 MHz) E,A,G,T,N**



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



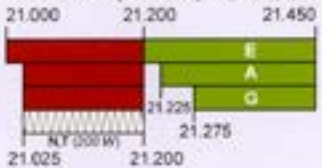
**20 Meters (14 MHz) E,A,G**



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



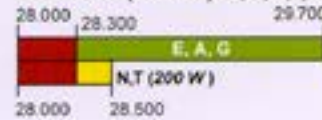
**15 Meters (21 MHz) E,A,G,T,N**



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



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



## VHF – Very High Frequency bands

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



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



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



## UHF – Ultra High Frequency bands

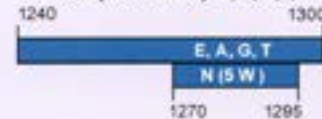
**70 cm (420 MHz) E,A,G,T**



**33 cm (902 MHz) E,A,G,T**



**23 cm (1240 MHz) E,A,G,T,N**

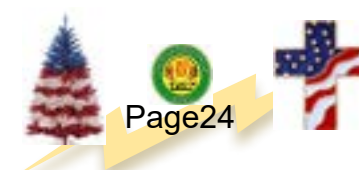


## SHF&EHF – Super and Extremely High Frequency bands

All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz	3300-3500 MHz	30.0-30.5 GHz	47.0-47.2 GHz	122.25-123.0 GHz	241-250 GHz
2390-2450 MHz	5650-5925 MHz	24.0-24.25 GHz	76.0-81.0 GHz	134-141 GHz	All above 275 GHz

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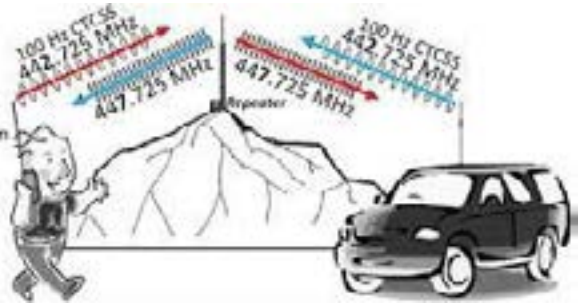




**FRRL**

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