



ARC OVER



The Official Newsletter of the Fox River Radio League
Since 1924

Our 95th Year in Amateur Radio!

January 2019



Proud to be an ARRL
Special Service Club

NEXT — Membership Meeting:

Tue - Jan 8, 2019 @ 7:30 PM
Tue - Feb 12, 2019 @ 7:30 PM
Bethany Lutheran Church in
Batavia, IL

NEXT — VE Test Session:

Tue - Jan 15, 2019 @ 7:00 PM
Messenger Library, in
North Aurora, IL
Sat - Mar 23, 2019 @ 9:00 AM
Golden Corral, in Aurora
4270 E New York St, Aurora, IL

NEXT — Board Meeting:

Tue - Feb 5, 2019 @ 7:00 PM
Colonial Café, in Aurora, IL



ANNUAL WINTER BANQUET
TUESDAY — JANUARY 8, 2019
 BETHANY LUTHERAN CHURCH - 6:30 PM — 9:30 PM CST

FRRL Members & Family Ticket Prices:
 Limited Tickets at the Door \$25 — Non-Member Tickets are \$35
Children under 12 FREE — Tickets online: <http://www.frrl.org/banquet.php>



Congratulations 2019 - New Officers & Directors


Past President: Dennis Barfuss, W9HI

President: Dan Taddej, W9STS	Director: Jim Nevitt Jr., N9XP
Vice President: Roger Bara, W9YU	Director: Lance Clarke, W9QB
Secretary: David Booher, W9BOO	Director: John Miller, W9JDM
Treasurer: Dan Harmon, WA9YKK	Director: Priscilla Miller, AE9PM


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Amateur Extra Class



Amateur Radio Extra Class
 Course is co-presented by FRRL & BARS.



Extra Class Schedule

Class Dates: January 19 -thru- March 23 2019
When: Saturday Morning - 9 AM - 12 noon
Location: Golden Corral in Aurora

Looking to Upgrade to Extra — Now is the time to do it!

If you have questions or want to help, please contact:
 Cyndi - K9NAX @ pr@frrl.org -or- Lance - W9QB @ Director4@frrl.org

About the FRRL

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.

FRRL sponsors: Training Classes for new Ham Radio Operators, License Examination Sessions, and participate in other various local Public Service Events. If you have a specialized amateur radio interest, chances are you share it with one or more of our club members.

The **Fox River Radio League** meets on the **2nd Tuesday** of every month at **Bethany Lutheran Church**, located at: **8 S. Lincoln St.** in **Batavia, IL**. 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.

Please welcome our newest members to the club!

CALL	NAME	LICENSE CLASS
No Call	Leo Loving	

In Memorandum / Silent Keys

CALL	NAME	LOCATION

ArcOver FRRL Newsletter

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The **FRRL ArcOver Newsletter** is published Monthly by the Fox River Radio League Inc. Any and all Amateur Radio Articles, Information and Letters are *always* welcome! Deadline for articles, materials and information is the **20th of each Month** in order to be included in the *Next Month's ArcOver* newsletter. News Articles and Information can be sent - by email to: newsletter@frrl.org - or via the U.S. Postal Service Mail to: FRRL Newsletter PO Box 673 Batavia, IL 60510.

Contact the Newsletter Editor for details and submission guidelines.

Prior permission is required to republish original ArcOver material.

The opinions expressed within the ArcOver newsletter are strictly those of the article authors and do not necessarily represent the opinions of the FRRL Inc., its sponsors or the ArcOver newsletter editor. - FRRL ArcOver Newsletter Editor: Cyndi M Gillies, K9NAX

Fox River Radio League

Founded 1924

Mailing Address:

P. O. Box 673
Batavia, Illinois 60510-0673

Email: info@frrl.org

Web Site: <http://www.frrl.org>

President:

Daniel Taddei, W9STS

Vice President:

Roger Bara, W9YU

Secretary:

David Booher, W9BOO

Treasurer:

Dan Harmon, WA9YKK

Directors:

- 1 - Jim Nevitt, Jr., N9XP
- 2 - Jason Burzynski, NX9Y
- 3 - Allen Nelson, KB9VO
- 4 - Lance Clarke, W9QB

Past President:

Dennis Barfuss, W9HI

License Trustee:

Kermit Carlson, W9XA

Public Relations Officer, ArcOver Newsletter & Facebook Editor:

Cyndi Gillies, K9NAX
newsletter@frrl.org

Webmaster:

Chris Kennell, KC9BKS
webmaster@frrl.org

FRRL Annual Dues are payable **no later** than the **January** Club Meeting each year. New Members joining during the year will have their first year's dues prorated to the nearest yearly quarter.

2019 Membership Dues:

Regular Dues - \$30. - Family Dues - \$40.
Sr. Citizen - **\$25.** - Active Military - **\$25.** -
Student (full time under 22) - **\$25.** a year.

Members can help support FRRL Repeaters by making an annual \$10. donation.

For more information visit our website:
<http://www.frrl.org/membership.php>

License Exam - Test Pool Questions:



The ArcOver is going to test your knowledge...

Good Luck!

Each month the ArcOver will post 3 Exam Test Pool questions to challenge you.

One question from each of the Technician, General, and Extra Class License exams.

(Keep a look out while reading the ArcOver, to find the Answers)

Technician Class

T3C02

Which of the following is an advantage of HF vs VHF and higher frequencies?

- A. HF antennas are generally smaller
- B. HF accommodates wider bandwidth signals
- C. Long distance ionospheric propagation is far more common on HF
- D. There is less atmospheric interference (static) on HF



General Class

G4B03

Which of the following is the best instrument to use when checking the keying waveform of a CW transmitter?

- A. An oscilloscope
- B. A field strength meter
- C. A sidetone monitor
- D. A wavemeter

Extra Class

E4C07

What does the MDS of a receiver represent?

- A. The meter display sensitivity
- B. The minimum discernible signal
- C. The multiplex distortion stability
- D. The Maximum detectable spectrum

Share your thoughts & ideas....

Is there something that you'd like to see added to the ArcOver Newsletter?

Share your ideas with the ArcOver Editor:

Cyndi M Gillies, K9NAX

Send email to: newsletter@frrl.org



President's QST

Dan Taddei, W9STS

January - 2019

It is a new year. What was your new year's ham radio resolution?

To get on the air more, get that new radio, build the next kit, get a new antenna or maybe get an upgrade. The New Year brings with it the excitement of a new beginning.

At this month's club meeting we will install the 2019 Officers and Board and they will begin their new year in office. This could be a year of "more of the same" or it could be a year of exciting changes and with it opportunities to learn and explore ham radio within the club.

Already started is the Extra class that starts on January 19th. Planning for Field day is just beginning. Will you be a band captain? This year we will be conducting a Technician and General license prep classes will you teach a session? Or maybe you have built a project that you would like to present at the club meeting? We are always looking for education programs for our membership meetings. It's also time to think and plan about going to Hamvention, in Ohio or a Hamfest closer to home.

So it is time to make that New Year's resolution to do something ham radio related, get involved, operate, build, or volunteer. But do something this New Year!

73,

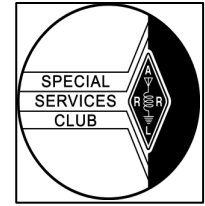
Dan Taddei, W9STS

President, Fox River Radio League

Email: President@frrl.org



Fox River Radio League
"Established 1924"
An ARRL Special Service Club
W9CEQ PO Box 673 Batavia, IL 60510



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

Held at Bethany Lutheran Church, Batavia, IL

Meeting Minutes December 11, 2019

The meeting was called to order at 19:30 CST by President Dan Taddei W9STS. Audience introductions: Name, Call, QTH and: "LF, MF, HF, VHF, UHF or Radio via Hot Spot"?

Approval of November 2018 Member Meeting minutes: Motion was moved, seconded and accepted. There were 40 members present at this meeting.

Treasurer's Report, Dan WA9YKK

Dan reported the financial balances as of 12/3/2018.

Program, Jason NX9Y

Tonight's Program: Holiday Party, January: Banquet. Any suggestions for a program, see Jason.

Education, Allen KB9VO / Cyndi K9NAX

The General class is complete. The Extra Class is on track for January 2019.

VE (Volunteer Examiner) Testing, Paul AC9BS

The next VE session will be January 15th at the Messenger Library, North Aurora from 7PM to 9PM. VEs are invited to help out. The testing fee is \$15.00. Please bring a copy of your current license and photo id if upgrading. For first time licensing, bring a copy of your driver's license.

Net, Dave N9XU

There will be no net on Christmas Day or New Year's Day. 2m Net is every Tuesday at 7:30pm on the Club Repeater. More control operators are always needed, contact Dave N9XU for details and to obtain a copy of the script.

Membership, Chris KC9BKS

Chris KC9BKS reported a total of 155 active members.

ARES, Debby WX9VOR

Debby brought the club up to date on ARES events. ARES is in the planning stages for 2019. Visit the website at <http://kanecountyares.org> or see Debby for further specific details on any event happening with ARES.

Repeater Report Kermit W9XA.

Denny W9HI reported that there were some heating problems at the site. The equipment is still functioning.

Old Business:

Winter Banquet

See Dan WA9YKK or register online. There are 20 days left to get a ticket online. Today is the last day to purchase tickets "in person" from the Treasurer. Denny W9HI went over the menu one more time.

Pay Your Dues

See Dan WA9YKK or pay dues online (frrl.org). Reminder: The website is a two-step process: first update your information, second proceed to PayPal.

Extra Class Update

Cyndi K9NAX reported that the Extra Class will start on January 19th, 2019 at the Golden Corral in Aurora. Instructors are still needed. Please contact Cyndi K9NAX if you would like to teach a class

New Business:

New Lifetime Memberships

Dave W9BOO reported six people were eligible for a Lifetime Membership. A motion was received, seconded and approved by the Membership to approve these memberships. The lifetime members are: Jerry Hymen KA9VMD, Dick Illman AH6EZ, Harry Jones K9DXA, John Martin WA9NPZ, Don Baltzer WA9FZE and Denny Barfuss W9HI.

Officer and Director Elections

Denny W9HI recognized the nominating committee for their hard work. Directors were re-introduced. The ballots were presented and the voting took place. The ballot counting occurred after the normal meeting adjournment. During the Holiday Party, the results were reported. The new 2019 Board Members are: President, Dan Taddei W9STS; Vice-President, Roger Bara W9YU; Secretary, Dave Booher W9BOO; Treasurer, Dan Harmon WA9YKK; Director, Jim Nevitt N9XP; Director, Lance Clarke W9QB; Director, Priscilla Miller AE9PM and Director, John Miller W9JDM. A motion was received, seconded and carried to have the ballots destroyed.

Announcements

Dan W9STS presented "Your First Amateur Radio HF Station" book. A suggestion was made to present this book club members who upgrade from Tech to General.

Upcoming Events

December 11th Member Meeting, Officer Election and Holiday Party

January 2nd Board Meeting (meeting moved to Wednesday)

January 8th Member Meeting, Winter Banquet, New Officer/Board Installation

January 15th VE Testing

January 19th Extra Class Starts

Adjournment

A motion was received, seconded and carried to adjourn the meeting. The member meeting was adjourned at 20:10 CST.

Respectfully submitted,
David Booher W9BOO
FRRL Secretary

Technician Class

T3C02

Answer - C *Long distance ionospheric propagation is far more common on HF*

FRRL - Upcoming Meeting Presentations



General Class

G4B03

Answer - A *An oscilloscope*

January Meeting:

Tuesday, January 8, 2019

ANNUAL BANQUET PARTY & NEW OFFICERS INSTALLATION

Please arrive at 6:30 PM - Dinner begins promptly at 7:00 PM.

There is a website set up to register to attend and to accept payments and print out tickets.

The Winter Banquet Prices for FRRL Members and Family's:

The cost is \$20. per person — Children under 12 are FREE

Tickets at the door are \$25. — Non-Member Tickets are \$35.

To purchase tickets, visit the FRRL website: <http://www.frri.org/banquet.php>

February Meeting:

Tuesday, February 12, 2019 TBD

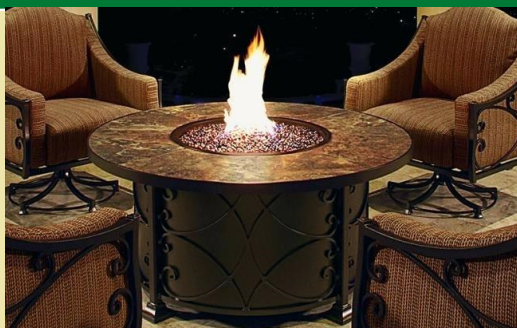
March Meeting:

Tuesday, March 12, 2019 TBD

Interested in presenting, or have an idea for a presentation? - contact: Jason, NX9Y - program@frri.org

FRRL

Roundtable



Fireside

CHAT

The **FRRL Fireside Roundtable Chat** is a New area in the ArcOver: A place for you, our FRRL Members, to come share, and voice your opinions, thoughts and ideas about FRRL and Amateur Radio in general.

To submit your thoughts—Email: Newsletter@frrl.org—Subject Line: **FRRL CHAT**:

To start the **FRRL Fireside Roundtable Chat** out properly, for a New Year—

Submitted By: Mike Urso, K9FE

Subject: FRRL Happy New Year!

I hope all of us have a great New Year! Stay RADIOACTIVE! Build a project. Repair some piece of equipment. Work a new mode. Set a goal and try to reach it. Don't ever feel you can't ask for help in any endeavor.

The FRRL family is always ready to help. That is the one tradition of the club that has not changed. You are all ELMERS and each one can teach something they know to one another.

Just because you have not taught a class does not mean you can't study a topic enough to teach it. Just because you have never built an antenna does not mean with a little study and some help that you can't and find out the personal reward of building one and making contacts using it.

Try a new mode, there are so many now with the digital modes that there has to be one you have not yet tried. Currently on HF FT-8 is still hot. On 2m & 70cm there FM, DMR, Weak Signal SSB & CW, D-Star, MoonBounce, Meteor Scatter, the JT modes. Many more than I can name.

Expand your horizons in this great hobby we call Ham Radio.

Make this year you best year!

73 to all, de Mike K9FE

- **FRRL Fireside Roundtable Chat** -

To submit your thoughts—Email: Newsletter@frrl.org—Subject Line: **FRRL CHAT**:

These comments & opinions are of the submitter's and not necessarily the opinions of the ArcOver editor, FRRL Officers or Board of Directors.

2019 — Upcoming Events Calendar:

— January —

- ✓ Tue Jan 2 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL
- Tue Jan 8 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL
Annual Banquet Party - Installation of New Officers - Dinner @ 7 - Arrive @ 6:30 PM
- Tue Feb 15 — VE Testing — 7:00 pm @ Messenger Library in North Aurora, IL
- Sat Jan 19 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- * Sun Jan 20 — WCRA 2019 Mid-Winter Hamfest — 8 AM-1 PM @ Kane Co. Fairgrounds Expo Center, at
525 S. Randall Rd. in St Charles, IL - website: <http://www.w9ccu.org/Hamfest.html>
- Sat Jan 26 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- * Sat Jan 26 — Winterfest 2019 — 8 AM-1 PM @ Gateway Center, at 1 Gateway Dr. in Collinsville, IL 62234
website: <http://winterfest.slsrc.org>

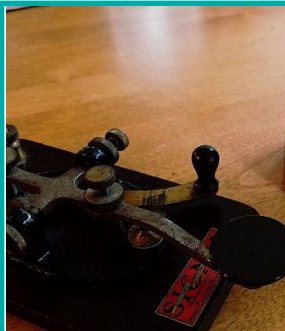
— February —

- Sat Feb 2 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- Tue Feb 5 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL
- Sat Feb 9 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- Tue Feb 12 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL
- Sat Feb 16 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- Sat Feb 23 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL

— March —

- Sat Mar 2 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- Tue Mar 5 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL
- Sat Mar 9 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- Tue Mar 12 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL
- Sat Mar 16 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
- Sat Mar 23 — Extra Class — VE Testing — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL

For more Information: On any of the **Class schedules** visit our web site: <http://www.frrl.org/education.php>
* As listed on the ARRL website under Hamfests & Conventions.



FRRL Featured News

HF Challenge



November HF Challenge — *(which didn't make the December ArcOver)*

November 15, 2018				
Limited Class	States	Provinces	DX Countries	Total
Jim N9X	100	13	81	194
Gary K9MMS	50	10	119	179
Operator Class	States	Provinces	DX Countries	Total
Alan W9AN	90	18	140	248
Roger W9YU	82	6	30	118
Dean KB9BL	51	6	53	110
Herb W9DTR	31	6	1	38
Jason NX9Y	20	3	13	36
Chris KC9BKS	3		1	4
QRO Class	States	Provinces	DX Countries	Total
Larry K9ARZ	100	25	293	418
Dick AH6EZ/W7	100	25	234	359
Joe NA9A	57	9	198	264
Dean KC9EOQ	66	9	101	176
Rag Chewer Class	States	Provinces	DX Countries	Total
Dick AH6EZ/W7				68
Dean KB9BL	43	5	4	52
Joe NA9A	10	1	5	16
Roger W9YU	14	0	1	15
Gary K9MMS	1	0	0	1

HF Challenge Update for December ArcOver

As the 2019 Bill Erickson HF Challenge draws to a close, we're sharing participant scores as of Nov. 15th. Of particular interest last month came an item from Challenge Administrator Joe NA9A.

"Only two new DX countries," Joe said, "but exciting thing is I worked them both on 160 meters. I'm trying to get active and get DXCC on that band." Please join me in wishing Joe the best in his pursuit of that goal!

Next month's article will feature a recap of how the Challenge works and instructions for new participants on how to get started. But as always, feel free to see Joe at an upcoming club meeting, or send an email to Challenge [at] frrl.org.

Best wishes for the holidays and the year to come!

73, Dawn Williams KC9LQS



FRRL Featured News

HF Challenge



ATTENTION: HF Challenge is Ending

From: Joe Dubeck, NA9A

Email sent on: Dec. 27, 2018

To all members of the Fox River Radio League (FRRL):

On December 30, 2017, I mailed a personal letter to all members. It was included with the worksheets for the 2018 Bill Erickson FRRL HF Challenge. In it I wrote that:

“Participation in the FRRL HF Challenge has stopped growing and over 20+ years, has dropped off. Should it continue after 2018? Your answer to this question can only be given in the form of your participation.”

Sadly, the answer I hoped for did not come so in four days, the FRRL HF Challenge is ending. It's had a great run and hopefully did get more members active on the HF bands.

So, for those who worked HF this year, please be sure to mail me your worksheets by January 15, 2019 to: Joe Dubeck NA9A, PO Box 1383, St. Charles, IL 60174-7383. Since the club banquet was moved up a month, certificates of participation and class winners are announced and presented at the February club meeting.

Do not send anything to challenge@frri.org because your results will no longer be part of the monthly *Arcover* newsletter until your final scores are verified and hopefully published in the February 2019 *Arcover*.

73, from Joe, NA9A and Bill WA9TPQ (SK)

1/4/2019



ARRL NEWS



US Senate Confirms Geoffrey Starks and Brendan Carr to Full FCC Terms

The US Senate has confirmed Geoffrey Starks and Brendan Carr to full 5-year terms as FCC commissioners. Starks, who most recently had served as assistant chief of the FCC Enforcement Bureau, fills the seat vacated last spring by Mignon Clyburn. Both are Democrats. Republican nominees have a 3 – 2 advantage on the Commission. Commissioner Jessica Rosenworcel is the other Democrat on the FCC.

“I congratulate Geoffrey on his Senate confirmation,” FCC Chairman Ajit Pai said in a statement. “During his confirmation hearing, I was excited to hear him highlight the need to expand rural broadband and the power of telemedicine. I look forward to working with him and having a fellow Kansan on the Commission.”

Carr, a Republican originally nominated by President Donald Trump to fill the seat left vacant by the departure of former FCC Chairman Tom Wheeler, was confirmed last August. He now has been confirmed for a full 5-year term. Carr previously served as FCC general counsel.

“I also congratulate Brendan on his confirmation to a full term,” Pai said in a statement. “Brendan has done tremendous work on a number of issues, including his leadership on wireless infrastructure modernization. He has also been a staunch advocate for rural broadband deployment, particularly for precision agriculture and advancements in telemedicine.”

In addition to Pai and Carr, the other Republican on the FCC is Michael O’Rielly.

Extra Class

E4C07

Answer - B *The minimum discernible signal*

1/2/2019



ARRL EVENTS



Third Wednesday Monthly Communications Exercises Set

FEMA Region 10 will conduct monthly communications exercises (COMMEX) on the third Wednesday of each month, starting on January 16, 1730 – 1900 UTC. Amateur Radio operators are invited to take part. The intent of these exercises is to test and exercise interoperable communication (federal/state/local/tribal/Amateur Radio) during a major disaster in which the communication infrastructure is significantly damaged or destroyed.

FEMA Region 10 will use the call sign WGY910. Other stations associated with agencies and organizations that provide response support in accordance with the National Response Framework are encouraged to participate.

The COMMEX will use these “dial” or “window” frequencies on 60 meters — including 5,330.5 kHz, 5,346.5 kHz, 5,357.0 kHz, 5,371.5 kHz, and 5,403.5 kHz — as part of the exercise. The area of operation is the continental US.

Conventions

Go Now

- Feb. 2, 2019 ■ Roanoke Division — Frostfest ■ **Richmond, Virginia**
- Feb. 8-10, 2019 ■ Southeastern Division — Orlando HamCation® ■ **Florida**
- Feb. 15-16, 2019 ■ Southwestern Division — Yuma Hamfest ■ **Arizona**
- May 17-19, 2019 ■ ARRL National Convention — Dayton Hamvention® ■ **Xenia, Ohio**

IMPORTANT AMATUER RADIO WEB PAGE LINKS

Visit our website – FRRL Website: www.frrl.org

www.arrl.org

www.qrz.com

www.colpage.org

www.twit.tv/hn

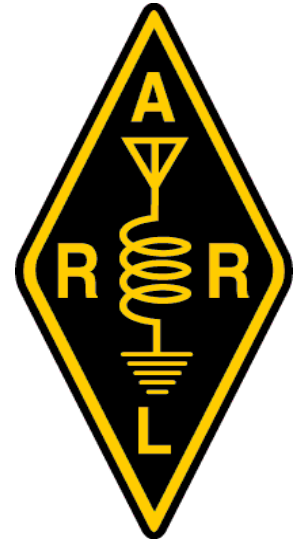
www.dailydx.com

www.dxspots.com

Follow FRRL on Facebook:

FRRL Facebook Page: <https://www.facebook.com/foxriverradio/>

FRRL Facebook Group: <https://www.facebook.com/groups/foxriverradio/>



FRRL Repeaters:

W9CEQ – 147.210 MHz +600 KHz Offset, 103.5 PL

W9CEQ – 444.300 MHz +5 MHz Offset, 114.8 PL

FRRL Digital Voice/Data Repeaters: (Contact Kermit, W9XA for info)

W9CEQ – B D-Star – 442.10625 MHz, +5.0 MHz offset

W9CEQ – C D-Star – 147.225 MHz, +0.6 MHz offset

Other Local Area Repeaters:

KC9OEM – Owned by Kane County OEM:

KC9OEM – 145.470 MHz -600 KHz, 103.5 PL

(2 meter is primary Kane Co. SKYWARN/ARES Frequency)

W9DWP – Kane Co. Amateur Public Svc. Repeaters:

(Both repeaters are dual mode APCO-25 NAC-293)

W9DWP – 145.270 -600 KHz, 107.2 PL

W9DWP – 443.025 +5 MHz, 114.8 PL

W9XA – 6 meter:

W9XA – Input: 52.210 Output: 53.910 Carrier Access FM (W9XA 6-meter repeater)

W9ZGP – NIARC:

W9ZGP – 147.060 +600 KHz, 103.5 PL

K9BAR – BARS – Bolingbrook Amateur Radio Society Repeaters: (education partner)

K9BAR – 147.330 +600 KHz, 107.2 PL - (EchoLink: K9BAR-R Node # 261875)

K9BAR – 443.525 +5.0 MHz, 114.8 PL & NAC-293 - P25/Mixed-Mode Analog

K9BAR – 443.700 +, Color Code 1 TS1 & 2 - DMR Repeater

Weekly Nets:

MONDAY: **10-10 INTERNATIONAL NET:** web site URL: <https://www.ten-ten.org/>

CW NET: at 8:00 pm, 28.150 MHz & **SSB NET:** at 8:30 pm, 28.720 MHz

TUESDAY: **FRRL 2m NET:** at 7:30 pm, on W9CEQ (except on Tues meeting nights)

WEDNESDAY: **ARES & SKYWARN NET:** at 6:30 pm, on KC9OEM 2 meter repeater

ILLINOIS DSTAR Net: at 8:00 pm, on the DStar 2 meter repeater

THURSDAY: **BARS INFO & TRAFFIC NET:** at 8:00 pm, on K9BAR linked 2m/440 repeaters

BARS SKYWARN NET: at 8:30 pm, on K9BAR linked 2m/440 repeaters