



ARC OVER



The Official Newsletter of the Fox River Radio League, Est. 1924
Our 95th Year in Amateur Radio!

Who We Are

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Vice President:
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Treasurer:
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John Miller, W9JDM
Priscilla Miller, AE9PM
Mike Bingham, WX9SPL

Past President:
Dennis Barfuss, W9HI

License Trustee (W9CEQ):
Kermit Carlson, W9XA

License Trustee (W9NE):
David Booher, W9BOO

Education Chair:
Vacant

Newsletter Editor:
John Miller, W9JDM

Webmaster:
Curt Sauer W9YNP

Membership Database:
Chris Kennell KC9BKS



About Us

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

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

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

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

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The FRRL ArcOver Newsletter is published monthly by the Fox River Radio League, Inc. Submission deadline for all news articles, items, and information is the 3rd Tuesday of each month for inclusion by the next publishing date. Please submit any such requests to newsletter@frrl.org.

2020 Membership Dues

Regular Dues: \$30 | Family Dues: \$40 | Sr. Citizen / Active Military / Student (full time under 22): \$25
Repeater Support: \$10 donation

FRRL Dues and Repeater Support 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. Copyright © 2019, FRRL. Prior written permission is required to republish material present in the ArcOver.

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President's Traffic

From the President's Desk

The election slate is attached to this month's ArcOver. Please come to our next meeting to vote on your club leadership for the next year (or two). Also, the December meeting will be the Holiday party. We will have holiday themed snacks [ed. note: tradition is holiday cookies] and a social hour after the election.

At present I am scheduled to be away on a work project and may miss the December meeting. It is a pain when work get in the way of fun but it happens.

73, Dan W9STS



Test Your Knowledge!

Each month the ArcOver will post 3 Exam Test Pool Questions to challenge you - one from each of the Technician, General, and Extra Class License Exams. Answers will be hidden throughout the ArcOver.

Technician - T1A10

Which of the following describes the Radio Amateur Civil Emergency Service (RACES)?

- A. A radio service using amateur frequencies for emergency management or civil defense communications
- B. A radio service using amateur stations for emergency management or civil defense communications
- C. An emergency service using amateur operators certified by a civil defense organization as being enrolled in that organization
- D. All of these choices are correct

General - G1C01

What is the maximum transmitting power an amateur station may use on 10.140 MHz?

- A. 200 watts PEP output
- B. 1000 watts PEP output
- C. 1500 watts PEP output
- D. 2000 watts PEP output

Extra - E1D03

What is a telecommand station in the amateur satellite service?

- A. An amateur station located on the Earth's surface for communication with other Earth stations by means of Earth satellites
- B. An amateur station that transmits communications to initiate, modify or terminate functions of a space station
- C. An amateur station located more than 50 km above the Earth's surface
- D. An amateur station that transmits telemetry consisting of measurements of upper atmosphere



Member Traffic

A place for you, our FRRL members, to come share your thoughts, voice your opinions, and talk about any topics that may be of general interest to the FRRL club or Amateur Radio in general.

All Members,

Field Day update.

As we prepare for next year's Field Day, you should all be celebrating and proud of the great club accomplishments of this past June's Field Day. The December issue of QST is out and the Fox River Radio League has again achieved third place in the nation in the 7A category. Thanks to the leadership of Gordie Dailey AA5TN as Field Day Chairman, with the assistance of all the Band Captains and operators, we as a club did an outstanding job of running 9 stations, including our GOTA station, achieving 8016 points. The second place club K5EOK had 8454 points and the First place club, K2AA had 15,648 points. We halted operation two hours early due to a thunderstorm threat.

Third in the Nation is a great finish and gives us the opportunity to challenge ourselves to be even better in 2020. In addition to the great Field Day finish, the club has also implemented procedures and practices that allow us to upload all our logs directly into LoTW. As it turns out, Dave Booher W9BOO implemented the procedures and we had the log files uploaded before we submitted our logs to the ARRL. We were able to confirm over 1/3 of our contacts instantly upon upload. So mark your calendars and plan on getting involved in next year's Field Day. Dan Harmon WA9YKK has already reserved LeRoy Oaks and Terry Todd W9AUV has ac-

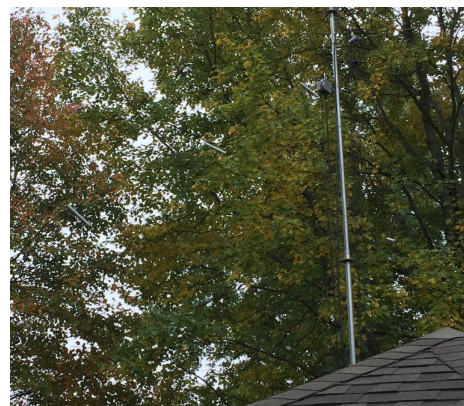
cepted the role as Field Day Chairman. We need all of your talents for setup, take down, food and operation. Whatever skill level you have, you are needed. Brush up on your phone and CW skills this winter in preparation for Field Day. Continue to check our web page for updates.

73, Denny W9HI

All,

In case you have not seen, there is an active thread on our Groups.io message board discussing which HF antennas are in use by various club members. So far, we've seen:

- Cushcraft R-8 (W9HI)
- Super Antenna (KC9BKS)
- Hygain DX-88 (K9FE)
- 80-40-20 Fan Dipole (W9JDM)



- 3 Element Yagi (N9NTM)
- Butternut Vertical (N9NTM)
- Zero Five Vertical (N9AH, W9JB)
- MFJ 1982MP (KD9JUQ)
- 40/20 Trapped Dipole (W9CY)
- 30/17 Parallel Dipole (W9CY)
- Hustler 5BTV (KC9EOQ)
- Cushcraft MA5B (KC9EOQ)
- 40M Dipole (KC9EOQ)
- Ext. Double Zepp (W0LEN)

As you can see, there is quite a wide variety of antennas in use by our club members. If you have questions on what type of antenna may work best for your QTH, please stop by our repeater or club meetings to chat with your fellow hams!

73, John W9JDM

New Members

Please welcome our newest members to the club!

Call	Name	License Class
K6JPC	Jason Cox	General

In Memoriam (Silent Keys)

Call	Name	Location
K9EUI	Robert Roehrig	Batavia, IL



Upcoming Events

Come join us at an event - some are on the airwaves, and some are in person.

This format is designed to be easy to print and hang on your fridge.

DECEMBER 2019						
S	M	T	W	T	F	S
1	2	B N	4	5	6	7
8	9	M	11	12	13	14
15	16	N	18	19	20	21
22	23	24	25	26	27	28
29	30	N	31			

JANUARY 2020						
S	M	T	W	T	F	S
			1	2	3	4
5	6	B N	8	9	10	11
12	13	M	15	16	17	18
19	20	N T	22	23	24	25
26	27	N	28	29	30	31

FEBRUARY 2020						
S	M	T	W	T	F	S
						1
2	3	B N	5	6	7	8
9	10	M	12	13	14	15
16	17	N	19	20	21	22
23	24	N	26	27	28	29

BDec. 3: Board Meeting

- 7:00PM
- Colonial Cafe in Aurora, Ill.

NDec. 3, 17, 31: Regular FRRL Net

- 7:30PM
- W9CEQ 2M Repeater
- Note: No net on Christmas Eve

MDec. 10: Member Meeting

- 7:30PM
- Bethany Lutheran Church in Batavia, Ill.
- Program: Holiday Party

BJan. 7: Board Meeting

- 7:00PM
- Colonial Cafe in Aurora, Ill.

NJan. 7, 14, 21, 28: Regular FRRL Net

- 7:30PM
- W9CEQ 2M Repeater

MJan. 14: Member Meeting

- 7:30PM
- Bethany Lutheran Church in Batavia, Ill.
- Program: Jaye W9CY Building Your First HF Station

TJan. 21: VE Testing

- 7:00PM
- Messenger Library, N. Aurora

BFeb. 4: Board Meeting

- 7:00PM
- Colonial Cafe in Aurora

NFeb. 4, 18, 25: Regular FRRL Net

- 7:30PM
- W9CEQ 2M Repeater

MFeb. 11: Member Meeting

- 7:30PM
- Bethany Lutheran Church in Batavia, Ill.
- Program: TBD



Event Information

If you have an idea for an event, or would like to share details on an upcoming event, please reach out to John W9JDM at director2@frrl.org or Priscilla AE9PM at director3@frrl.org.



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Extra Class

I'm looking at preparing an Extra Class for the Winter session. Tentatively, this is scheduled for January and February on Saturday mornings. The exact start date is TBD. If you are interested in attending or teaching for the class, please drop me a note at education@frrl.org. Thanks! -John W9JDM

Banquet Dinner

The annual FRRL Banquet has been renamed to the FRRL Dinner, and has been moved to March 10th, 2019. The location will be the St. Charles Moose Lodge on Rt. 38. More details to follow.

December 10th Meeting - Election and Holiday Party

Please join us for the election of new officers for 2020 and the yearly Holiday Party.

For the Holiday Party please consider bringing the following:

1. Non-perishable food items for the annual food drive.
2. Snack or dessert to share.
3. Grab bag gift in paper grocery bag - no labels.

If you bring a bag – you take home a bag. Please choose something

from your shack you no longer need and think someone else would enjoy.

Illinois QSO Party Update

The Fox River Radio League operated portable out of the Spring Brook Prairie Shelter this past October 20th as participants in the 2019 ILQP. We had three stations operating simultaneously: Phone, CW and PSK. We also tried some different antennas to learn which ones might give us an advantage for making contacts in future competitions:

- A vertical for 80-10 M
- A 90-foot folded horizontal dipole for 160-10 M
- An end fed antenna for PSK

Although the contest lasted to 8:00 pm, we closed down at 6:00 pm due to darkness. Great thanks goes out to all that participated, especially the CW ops as they saved the day with their contacts. We used the W9CEQ call sign and achieved

Technician - T1A10

Which of the following describes the Radio Amateur Civil Emergency Service (RACES)?

D. All of these choices are correct

14,640 points. Again, due to the great process the club has, the logs were submitted to LoTW with 1/3 of the QSO's being confirmed immediately. Thanks to all that participated: K9FE Mike, W9YU Roger, W9JB Jim, W9NJP Jim, KC9EOQ Dean, KC9SEB Paul, KD9ERV Anatoliy, W9CY Jaye, N9XP Jim, W9HI Denny, W9STS Dan, W9BOO Dave, WA9YKK Dan.

We are awaiting the final results from the Western Illinois Amateur Club to determine how well we did in the QSO Party.

Repeater Information

Club sponsored or club affiliated local repeaters are listed below.

KC9OEM 2M

- 145.470 MHz, -600 KHz offset
- 103.5 Hz tone
- Net: Wed. 6:30PM
- Owned by Kane Co. OEM

W9CEQ 2M

- 147.210 MHz, +600 KHz offset
- 103.5 Hz tone
- Net: Tues. 7:30PM (except second Tues. of month)
- Owned by FRRL

W9CEQ 70CM

- 444.300 MHz, +5 MHz offset
- 114.8 Hz tone
- IRLP #4850, Echolink #230933
- Owned by FRRL

W9CEQ_B D-Star 70CM

- 442.10625 MHz, +5 MHz offset
 - Contact W9XA for information
- W9CEQ_C D-Star 2M
- 147.225 MHz, +600 KHz offset
 - Net: 8:00PM Wed.
 - Contact W9XA for information

More repeater information can be found at frrl.org/repeaters.



Meeting Minutes November 12, 2019

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, Ill.

The meeting was called to order at 19:33 CST by Vice-President Roger W9YU. Audience introductions: Name, Call, and QTH.

Approval of October 2019 Member Meeting Minutes

Motion was moved, seconded and accepted with a minor correction. There were 35 people present at this meeting.

Reports

Treasurer's Report

Dan WA9YKK

Dan reported the balances as of 11/01/2019.

Nets

Jim N9XP

There will not be a net on Christmas Eve.

Classes/Programs/VE

John W9JDM

Last class for the General license is November 16th. A VE Session will follow the week after (November 23rd), 9:00AM at the Golden Corral in Aurora. John brought the Club up-to-date on the Program Schedule.

Outreach/Newsletter/PR

Priscilla AE9PM

Priscilla passed out a flyer with items to remember for the December meeting. The Winter Banquet dinner has moved to March 10th at the Moose in St. Charles.



Tech/Membership/Groups.io

Mike WX9SPL

Chris KC9BKS reported 133 active members with 89 members subscribed to Groups.io.

ARES

Terry W9AUV

Terry brought the Club up-to-date on ARES events. Members are encouraged to check them out on the web: <http://kanecountyares.com>

Repeater

Kermit W9XA

Kermit reports that the repeaters are stable. There were some problems with the gateway due to a UPS failure, but the gateway is functioning again. Kermit is going to bring up EchoLink on the UHF repeater.

General - G1C01

What is the maximum transmitting power an amateur station may use on 10.140 MHz?

A. 200 watts PEP output

Nominating Committee

Dean KC9EOQ

Dean presented the slate of candidates. Nominations were accepted from the floor. Cyndi Gillies K9NAX was nominated for the President position. The slate will be revised.

Old Business

Field Day

Denny W9HI reported that FRRL was 3rd in the nation for 7A. LeRoy Oakes has been reserved for next year.

IL QSO Party

Denny W9HI thanked members who participated in this year's event. We submitted 14,640 points.

New Business

Winter Banquet

Previously covered under Director reports.





Come join the camaraderie at one of our monthly meetings! The social hour following the business portion is a great opportunity to meet your fellow hams.

December Meeting

Member meeting elections will be followed by desserts/snacks and a blind gift exchange. Please bring a dessert or snack to share. Non-perishable food items for the food pantry are also needed.

January Meeting

Events for January will be the officer installation and a program.

Extra Class

John W9JDM is researching whether there is interest in having an

Extra Class this winter. There was interest from the members. John will follow-up to possibly find a location. If you're interested in teaching a section, please contact John.

Field Day 2020

The Club needs a new Field Day Chair. The event will be at LeRoy Oakes in St. Charles.

Announcements

Marty N9NTM mentioned upcoming events in the area.

Upcoming Events

- November 16th General Classes at Golden Corral (Testing on November 23rd)
- November 12th Membership Meeting

- November 19th FRRL VE Session
- December 3rd Board Meeting
- December 10th Membership Meeting and Elections

Program

FT8 – Denny W9HI

Adjournment

The member meeting was adjourned at 20:20 CST.

Respectfully submitted,
David Booher W9BOO
FRRL Secretary

Extra - E1D03

What is a telecommand station in the amateur satellite service?

B. An amateur station that transmits communications to initiate, modify or terminate functions of a space station





ARRL Legislative Advocacy Committee Drafting New Bill Addressing Antenna Restrictions

The ARRL Board of Directors Legislative Advocacy Committee is in the process of drafting a new bill to address the issue of private land-use restrictions on amateur radio antennas. The proposed legislation would be the successor to the Amateur Radio Parity Act. The Legislative Advocacy Committee, chaired by Pacific Division Director Jim Tiemstra, K6JAT, will report to the Board soon, once plans are fleshed out. Tiemstra told the ARRL Executive Committee (EC) on October 12 in Aurora, Colorado, that Advocacy Committee members have traveled to Washington to meet on multiple occasions with members of Congress and their staffs to inform them of the committee's plans.

ARRL Washington Counsel Dave Siddall, K3ZJ, told the EC last month that he understands the conditional exemption of amateur radio licensees from the RF exposure measurement requirements in the FCC's Part 97 Amateur Service rules is proposed to be removed. A Report and Order in FCC Docket WT 13-84 is making the rounds that, if adopted, would make amateur licensees subject to the same requirements as all other FCC licensees. The Report and Order is expected to be released before year's end.



WRC-19 Delegates Reach Agreement on 6-Meter Band in ITU Region 1

World Radiocommunication Conference 2019 (WRC-19) has approved a 6-meter allocation for International Telecommunication Region 1 (Europe, Africa, the Middle East). The decision came after more than 2 weeks of strenuous negotiations to reconcile widely disparate views of Region 1 administrations.

"The result is a dramatic improvement in the international Radio Regulations for amateurs in Region 1," the International Amateur Radio Union (IARU) said in announcing the agreement.

When the Final Acts take effect, 44 countries in Region 1 will have a primary allocation of at least 500 kHz, including 26 countries with a primary allocation of the 50 - 54 MHz. The entire region will have an amateur secondary allocation of 50 - 52 MHz, except in Russia, whose administration opted for only 50.080 - 50.280 MHz on a secondary basis.

Provisions will be in place to protect other existing services

using the band in Region 1 and in neighboring countries in Region 3. The existing primary allocation of 50 - 54 MHz in Regions 2 and 3 is unaffected.

Radio Amateur's "Tribute to a Century of Broadcasting" Video Debuts on YouTube

Art Donahue, W1AWX, of Franklin, Massachusetts, has posted his "Tribute to a Century of Broadcasting" video in recognition of the centennial of formal radio broadcasts. The video features a complete scan of the AM broadcast band (530 - 1700 kHz), with station IDs for all 118 AM radio channels.

Donahue told ARRL he recorded these off the air using two long-wire antennas in the trees. Each slide highlights one station on each frequency with call sign, location, power, day/night/gray-line reception, distance, and year of first broadcast, accompanied by audio of an actual station identification.

"If you ever spent evenings when you were a kid trying to hear long-distance radio stations on your AM radio, this video has what they all sound like today," Donahue said. "I wanted to do something in honor of the KDKA broadcasting centennial next year and thought I'd try to get every single channel recorded. It took a lot of time, patience, and good luck. You'll hear a lot of surprises on the video."



2019 FRRL Election Ballot

<p>President (Circle One)</p> <p>Gordon Dailey, AA5TN</p> <p>Cyndi Gillies, K9NAX</p> <p>Write-In: _____</p>	<p>Treasurer (Circle One)</p> <p>Dan Harmon, WA9YKK</p> <p>Write-In: _____</p>
<p>Vice-President (Circle One)</p> <p>Roger Bara, W9YU</p> <p>Write-In: _____</p>	<p>Director (Circle Two)</p> <p>Dave Booher, W9BOO</p> <p>Terry Todd, W9AUV</p> <p>Write-In: _____</p>
<p>Secretary - No Candidate</p> <p>Write-In: _____</p>	

Voting will take place at the December Membership meeting on Tuesday December 10, 2019. The election will be conducted as outlined in the club Bylaws Article VII, Election of Officers and Directors, Section 2 and Section 3, which is available in the files section of the FRRL groups.io reflector page (duplicated below for convenience).

If you will not be present at the December Meeting and would like to vote absentee, the recommended method is to email the ballot to the nominating committee chair, Dean Holste KC9EOQ (kc9eoq@gmail.com). Ballots may also be printed and hand-delivered to any current officer (President: Dan Taddei, W9STS; Vice President: Roger Bara, W9YU; Secretary: David Booher, W9BOO; Treasurer: Dan Harmon, WA9YKK)

FRRL By-Laws, 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 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.

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 ballots shall be opened and tallied at the election. At the discretion of the Board of Directors, an electronic absentee voting system may be used.

