



# ARC OVER

January 2020 Edition



The Official Newsletter of the Fox River Radio League, Est. 1924  
Our 96th Year in Amateur Radio!

## Who We Are

Mailing Address:  
P. O Box 673  
Batavia, IL 60510-0673

Email: [info@frrl.org](mailto:info@frrl.org)  
Website: <http://www.frrl.org>

President:  
Dan Taddei, W9STS

Vice President:  
Roger Bara, W9YU

Secretary:  
David Booher, W9BOO

Treasurer:  
Dan Harmon, WA9YKK

Directors:  
Jim Nevitt Jr., N9XP  
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.

## What's Inside

- P. 2 President's Traffic
- P. 3 Member Traffic
- P. 4 Calendar of Upcoming Events
- P. 5 Event Information
- P. 6-7 May Mtg. Minutes
- P. 8 ARRL News

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](mailto: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 © 2020, FRRL. Prior written permission is required to republish material present in the ArcOver.

The opinions expressed within the ArcOver are strictly those of the authors and do not necessarily represent the opinions of the FRRL Inc., its sponsors, or its membership.

# President's Traffic

*From the President's Desk*

Wow how time flies. I have been the FRRL President for 2 years and this will be my last message to you on the pages of the ArcOver. During my term I have often talked about change and service. The club has changed some over the last two years and ham radio has changed a lot in the same period. But though it all the Club continues to serve its members. Great programs, exciting events, and strong outreach will continue to be the hallmark of the FRRL. I ask you all to come out and support these activities and enjoy the hobby in the company of other members.

I would like to thank the officers Denny Barfuss W9HI, Roger Bara W9YU, Dan Harmon WA9YKK,

and David Booher W9BOO for their support throughout my term. I also would like to thank the directors that served over the last 2 years for their efforts in conducting outreach and classes as well as finding speakers for our membership meetings. To list all of them and their accomplishments would take all of the space allowed. But a few should be mentioned. Priscilla Miller AE9PM coordinated the winter banquet and made all of the centerpieces, and she reached out to the Civil Air Patrol (CAP) and coordinated a class with 17 cadets in attendance. And don't forget the Ham and a Sandwich in the park that was great fun. I would also like to thank John Miller W9JDM for coordinating the programs during



the last year and stepping up to take over the editing of the ArcOver. Lastly I would like to thank Lance Clark W9QB and Cyndi Gillies K9NAX for coordinating a full series of license classes for 2 to 3 clubs. I am sure that I have missed someone and for that I am sorry but thank to all of you for helping me guide the club during the last two years.

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 - T1D02

**Under which of the following circumstances may an amateur radio station make one-way transmissions?**

- A. Under no circumstances
- B. When transmitting code practice, information bulletins, or transmissions necessary to provide emergency communications
- C. At any time, as long as no music is transmitted
- D. At any time, as long as the material being transmitted did not originate from a commercial broadcast station

### General - G1D02

**What license examinations may you administer when you are an accredited VE holding a General class operator license?**

- A. General and Technician
- B. General only
- C. Technician only
- D. Amateur Extra, General, and Technician

### Extra - E1D03

**What is a Volunteer Examiner Coordinator?**

- A. A person who has volunteered to administer amateur operator license examinations
- B. A person who has volunteered to prepare amateur operator license examinations
- C. An organization that has entered into an agreement with the FCC to coordinate amateur operator license examinations
- D. The person who has entered into an agreement with the FCC to be the VE session manager



# 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.*

Hi all,

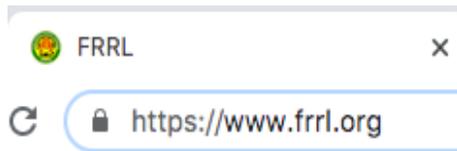
There has been much discussion recently regarding the inability for our website to properly secure an encrypted SSL connection. I have implemented a change to allow it. This is currently in a testing phase and hopefully there will be no problems.

You can obtain a secure connection by visiting: <https://www.frrl.org>

This will ensure that members updating their club information through PART 1 of the Membership Renewal will have their personal information encrypted. Please note that PART 2 (payment through PayPal) was ALWAYS encrypted.

You can verify that the connection is secure by looking for https in the tabs or a "lock" icon. Please let me know if you have any issues. Also note that it may take some time for this change to fully propagate the Internet DNS servers.

73 Dave W9BOO



Hi Everyone,

I would like to thank everyone for the wonderful meeting in December. We had a large turnout for the grab bag exchange and bring-a-

treat portions, as well as the officer voting. I know I enjoyed some treats and had fun receiving a surprise radio-related gift (a Heathkit SWR meter, which is perfect since an SWR meter has been on my shopping list for a while).

If you have any ideas for future meeting content that would help keep the meetings lively like this past month's, please send your ideas to the FRRL Board at [frrlboard@frrl.org](mailto:frrlboard@frrl.org).

73 John W9JDM

*This month's Member Traffic column is fairly light due to the holidays. Please remember to keep us updated on any cool projects you're working on either by reaching out to me directly ([newsletter@frrl.org](mailto:newsletter@frrl.org)) or through the Groups.io message board. Have a Merry Christmas and a Happy New Year!*

New Members		
Please welcome our newest members to the club!		
Call	Name	License Class
KD9MGX	Amy Devine	Technician
KD9OIN	Daniel Swanson	Technician
In Memoriam (Silent Keys)		
Call	Name	Location



# 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.

JANUARY 2020						
S	M	T	W	T	F	S
			1	2	3	4
5	6	B N	7	8	9	10
						C 11
12	13	M	14	15	16	17
						C 18
19	20	N T	21	22	23	24
						C 25
26	27	N	28	29	30	31

FEBRUARY 2020						
S	M	T	W	T	F	S
						C 1
2	3	B N	4	5	6	7
						C 8
9	10	M	11	12	13	14
						C 15
16	17	N	18	19	20	21
						C 22
23	24	N	25	26	27	28
						C 29

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

**B**Jan. 7: Board Meeting

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

**N**Jan. 7, 21, 28: Regular FRRL Net

- 7:30PM
- W9CEQ 2M Repeater

**C**Jan. 11, 18, 25: Extra Class

- 9:00AM
- Messenger Library, N. Aurora

Jan. 14: Member Meeting

**M**• 7:30PM

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

Jan. 21: VE Testing

**T**• 7:00PM

- Messenger Library, N. Aurora

**C**Feb. 1, 8, 15, 22, 29: Extra Class

- 9:00AM
- Messenger Library, N. Aurora

Feb. 4: Board Meeting

**B**• 7:00PM

- Colonial Cafe in Aurora

Feb. 4, 18, 25: Regular FRRL Net

**N**• 7:30PM

- W9CEQ 2M Repeater

Feb. 11: Member Meeting

**M**• 7:30PM

- Bethany Lutheran Church in Batavia, Ill.

- Program: TBD

**B**Mar. 3: Board Meeting

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

**N**Mar. 3, 17, 24, 31: Regular FRRL Net

- 7:30PM
- W9CEQ 2M Repeater

Mar. 10: Member Meeting/Dinner

**M**• 6:30PM

- Moose Lodge #1368, 2250 Lincoln Highway, St. Charles, Ill.

Mar. 17: VE Testing

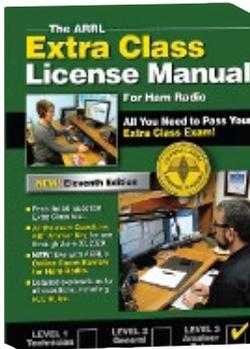
• 7:00PM

**T**• Messenger Library, N. Aurora



# 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](mailto:director2@frrl.org) or Priscilla AE9PM at [director3@frrl.org](mailto:director3@frrl.org).



## Extra Class

The FRRL is proud to present the 2020 Extra Class. If you are interested in upgrading your license to Amateur Extra, please come join us! The class will run January 11, 2020 through February 29, 2020 from 9:00am-noon at the Messenger Public Library in North Aurora.

We will be using the green ARRL Extra Class License Manual. This is available for purchase from the ARRL, and there are a few copies available through the SWAN library system (Batavia/Geneva/St. Charles/etc.).

The schedule is as follows:

Week 1: Jan 11	Components and Building Blocks; Radio Circuits and Systems
Week 2: Jan 18	Electrical Principles
Week 3: Jan 25	Electrical Principles; Radio Signals and Measurements
Week 4: Feb 1	Radio Circuits and Systems; Safety
Week 5: Feb 8	Radio Propagation; Rules & Regulations
Week 6: Feb 15	Antenna and Feed Lines

Week 7: Feb 22	Antenna and Feed Lines; Modulation, Protocols, and Modes
Week 8: Feb 29	Operating Practices; Q & A

To sign up for the class, please contact John W9JDM at [education@frrl.org](mailto:education@frrl.org).

## 2020 FRRL Dinner

The 2020 FRRL Dinner will be in March 2020. This is a members only event and not open to the general public. Members are welcome and encouraged to bring their families and sponsored guests.

Date	March 10, 2020
Time	Arrive 6:30 pm Dinner 7:00pm Close 10:00pm
QTH	Moose Lodge #1368 2250 Lincoln Hwy St. Charles, IL
Cost	\$25 - Members/guests \$15 - Children under 12 \$35 - price at door
Tickets	Payment due March 3, 2020 via PayPal or check/cash to Dan Harmon - Treasurer

## Technician - T1D02

**Under which of the following circumstances may an amateur radio station make one-way transmissions?**

B. When transmitting code practice, information bulletins, or transmissions necessary to provide emergency communications

Dress Code	Business casual. No cut-offs, t-shirts, hats.
Menu	Roast Beef AuJus or Baked Chicken (choose one) Salad and a Vegetable Whipped Potatoes with Gravy and Buns Cookies
Drinks	Water provided All other drinks (soda, coffee, liquor): cash bar
Dinner will be served - such great service!	

## 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](http://frrl.org/repeaters).



# Meeting Minutes December 10, 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 19:34 CST by President Dan W9STS. Audience introductions: Name, Call, QTH and question: What is on your Ham-related Christmas List? Approval of November 2019 Member Meeting minutes: Motion was moved, seconded and accepted. There were 53 people present at this meeting.



## Reports

### Treasurer's Report

**Dan WA9YKK**

Dan reported the balances as of 12/01/2019.

### Repeater

**Jim N9XP**

There will be no NET on Christmas Eve or New Year's Eve. Jim reports Kermit made some trips to repeater site. There is current work to install EchoLink on the UHF repeater. Kermit continues to administer the D-star registrations.

### Classes/Programs/VE

**John W9JDM**

The Winter Extra Class has been scheduled for Jan 11, 2020 through Feb 29, 2020. It will be held at the North Aurora Messenger Library in Meeting Room 1. The green ARRL Extra class manual will be used. More instructors are needed.

If you can help teach, please reach out to John. The previous General/Tech Class produced 4 new Tech, 1 General and 3 Extra class licenses. Thanks to all instructors and participants. John gave updated the Club on future programs. If you have an idea for a future program, please contact John.

### Outreach/Newsletter/PR

**Priscilla AE9PM**

The FRRL Dinner will be scheduled for March 10th at the Moose in St. Charles. Ticket cut-off is March 3rd. Priscilla also described the planned menu. See the FRRL website for future details on this event.

### Tech/Membership/Groups.io

**Mike WX9SPL**

No report. Chris KC9BKS reported 135 active members via e-mail.

### 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 Report

**Kermit W9XA**

No report.

### Old Business

#### Winter Banquet (FRRL Dinner)

Previously covered under Director reports.

#### January Meeting

Events for January: Officer installation and a program.

### General - G1D02

**What license examinations may you administer when you are an accredited VE holding a General class operator license?**

C. Technician only





*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.*

**Field Day 2020**

Help is needed for set up, operate, take-down and band captains. Please volunteer.

**New Business**

**Elections**

Dan W9STS discussed the candidate roster and the overall election process. Dean KC9EOQ requested everyone request a ballot after the business part of the meeting. The candidates for President presented

some info about themselves and fielded questions from the floor.

**Announcements**

None.

**Upcoming Events**

- January 7th Board Meeting
- January 14th Membership Meeting
- January 21st VE Session

**Program**

No program. Holiday party.

**Adjournment**

The member meeting was adjourned at 20:18 CST.

**Election Results**

- President: Gordie Dailey AA5TN
- Vice-President: Roger Bara W9YU
- Secretary: Dean KC9EOQ
- Treasurer: Dan Harmon WA9YKK
- Directors: Dave Booher W9BOO and Terry Todd W9AUV

Respectfully submitted,  
David Booher W9BOO  
FRRL Secretary

**Extra - E1E03**

**What is a Volunteer Examiner Coordinator?**  
C. An organization that has entered into an agreement with the FCC to coordinate amateur operator license examinations





# ARRL News

Content © 2019 ARRL



## ARRL Reshapes Podcast Offerings for 2020

In conjunction with the launch of its new On the Air magazine, which is aimed at those just beginning their journey in amateur radio, ARRL is reconfiguring its podcast lineup.

Heading up the new schedule will be a free companion podcast to the bimonthly On the Air magazine. The monthly On the Air podcast will take a deeper look into select features and projects from the magazine. Each month, host and On the Air Editorial Director Becky Schoenfeld, W1BXY, will offer additional resources, techniques, and hints to help less-experienced radio amateurs to get the most from the magazine's content.

In addition to the podcast, ARRL Product Development Manager Bob Inderbitzen, NQ1R, will curate a free On the Air blog featuring content from the communicators and makers who are the driving force of amateur radio today. The blog will highlight opportunities and activities available to new licensees. The On the Air blog is intended as an entry point into the world of amateur radio for those seeking original voices and perspectives. Readers will be invited to take part in the conversation by sharing their stories and experiences.

ARRL's current So Now What? podcast will cease production in January, as the full complement of On the Air content is rolled out. The

catalog of So Now What? episodes is available for listening or downloading.

In addition, The Doctor is In podcast, which has served more-experienced amateurs since 2016, will conclude its 4-year run with its December 19 episode. Eclectic Tech, a new biweekly podcast designed to appeal to experienced amateurs, will launch in February.

Hosted by QST Editor Steve Ford, WB8IMY, Eclectic Tech will highlight technical topics involving amateur and non-amateur technology, offer brief interviews with individuals involved in projects of interest to amateurs, and include practical information of immediate benefit to today's hams.

## FCC Formally Adopts Proposals to Remove Amateur 3 GHz Band, Invites Comments

The FCC's plan to remove "existing non-federal secondary radiolocation and amateur allocations" in the 3.3 - 3.55 GHz band and relocate incumbent non-federal operations already has begun drawing fire. The Commission formally adopted the Notice of Proposed Rulemaking (NPRM) in WT Docket 19-348 on December 12 and invited comments on appropriate "transition mechanisms" to make the spectrum available for mobile and fixed wireless broadband use. ARRL plans to oppose the move. The amateur 9-cm allocation is 3.3 - 3.5 GHz.

"By proposing to delete the existing non-federal secondary allocations



from the 3.3 - 3.55 GHz band, we are taking an important initial step towards satisfying Congress's directives and making as much as 250 megahertz of spectrum potentially available for advanced wireless services, including 5G," the FCC said in the Introduction to its NPRM.

Some comments arrived before formal adoption of the NPRM, which was circulated ahead of the December meeting. Kevin Milner, KD-0MA, the secretary/treasurer of the Ski Country Amateur Radio Club in Colorado, argued that the club's equipment cannot be re-channelled below 3.4 GHz, and the club is seeking relocation costs. Devin Ulibarri, W7ND, told the FCC that amateur networks in the current band cannot move easily into other amateur allocations because there is no readily available commercial equipment to support the bandwidth, the FCC said in a footnote.

Currently, the entire 3.1 - 3.55 GHz band is allocated for both federal and non-federal radiolocation services, with non-federal users operating on a secondary basis to federal radiolocation services.

