



ARC OVER



The Official Newsletter of the Fox River Radio League
Since 1924

Our 95th Year in Amateur Radio!

April 2019



Proud to be an ARRL
Special Service Club

NEXT — Board Meeting:

Tue - Apr 2, 2019 @ 7:00 PM
Colonial Café, in Aurora, IL

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

NEXT — Membership Meeting:

Tue - Apr 9, 2019 @ 7:30 PM
Bethany Lutheran Church in
Batavia, IL

NEXT — VE Test Session:

Tue - May 21, 2019 @ 7:00 PM
Messenger Library, in
North Aurora, IL

Sat - Apr 27, 2019 @ 9:00 AM
Golden Corral, in Aurora
4270 E New York St, Aurora, IL

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*New ArcOver Deadline - All News Articles must be submitted
no later than the 3rd Tuesday of the month to be in next ArcOver.*

Amateur Extra Class



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



is a SUCCESS !!

12 Students (4-6 online) 7 in 70% attendance
6 Students VE Tested 4 NEW Amateur Extras!!

CONGRATULATIONS NEW AMATEUR EXTRAS !!

*Great Job!! To those who achieved their Extra Class License!
Great Job!! To the Instructors & all who helped with the class!
Although we lost a few students due to schedules, the Online Streaming was a Success!*



MS WALK

WE NEED YOU!!

Come Help Give back!
Work the MS Walk with us.



We need your help—We need your support— We need YOU!
People — come and work on the MS Walk! It's a lot of FUN!

- When: **Sunday May 5, 2019**
 - Time: **7:00 am** until approx. **11:00 am-12:00 noon**
 - Where: **Pottawatomie Park, 8 North Ave, St. Charles, IL**
 - Equipment: **HT Radio** with decent antenna & spare battery.
 - Contact: **Priscilla Miller, AE9PM, priscill@comcast.net**
- Working a public event is a fun way to give back to the community.

It's starting up again... Tell your Friends!

Technician License Class Saturday May 18, 2019

A FRRL & BARS collaboration - See inside ArcOver for details...

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
W9CY	Jaye Sauer	Amateur Extra

In Memorandum / Silent Keys

CALL	NAME	LOCATION

ArcOver FRRL Newsletter

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The **FRRL ArcOver Newsletter** is published Monthly by Fox River Radio League Inc. Any Amateur Radio Articles, Information and Letters are *always* welcome! Deadline for all News Articles, Items and Information is the **3rd TUE of each Month** in order to be included in the *Next Month's ArcOver* newsletter. News Articles and Information should 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 additional details and/or 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, board members, membership, or the ArcOver editor.

- 2019 - FRRL ArcOver Newsletter Editor: Cyndi M Gillies, K9NAX newsletter@frrl.org

Fox River Radio League

Founded 1924

Mailing Address:

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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 - John Miller, W9JDM
- 3 - Priscilla Miller, AE9PM
- 4 - Lance Clarke, W9QB

Past President:

Dennis Barfuss, W9HI

License Trustee:

Kermit Carlson, W9XA

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Cyndi Gillies, K9NAX
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education@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:



Good Luck!

The ArcOver is going to test your knowledge...

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

T1B02

Which amateur radio stations may make contact with an amateur radio station on the International Space Station (ISS) using 2 meter and 70 cm band frequencies?

- A. Only members of amateur radio clubs at NASA facilities
- B. Any amateur holding a Technician or higher-class license
- C. Only the astronaut's family members who are hams
- D. Contacts with the ISS are not permitted on amateur radio frequencies



General Class

G1B05

When may music be transmitted by an amateur station?

- A. At any time, as long as it produces no spurious emissions
- B. When it is unintentionally transmitted from the background of the transmitter
- C. When it is transmitted on frequencies above 1215 MHz
- D. When it is an incidental part of a manned space craft retransmission



Extra Class

E1B05

What is the National Radio Quiet Zone?

- A. An area in Puerto Rico surrounding the Arecibo Radio Telescope
- B. An area in New Mexico surrounding the White Sands Test Area
- C. An area surrounding the National Radio Astronomy Observatory
- D. An area in Florida surrounding Cape Canaveral

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
- or - k9nax@arrl.org



President's QST

Dan Taddei, W9STS

April - 2019

I have been talking about change in my QST a lot in the last few months. And at the March's meeting many of you saw the implementation of one such change. The reason I joined FRRL and came to the meetings was to see the education sessions and to talk to other hams about what they were doing. It seemed that the one hour business meeting was the price I had to pay for that. For those that could not attend the March meeting we cut the business meeting to about 30 minutes and started the education session at 8:10. Then, after the education session we had a social hour. I had many positive comments regarding this change. We will hold to this meeting format as much as possible going forward. I would like to thank John Miller W9JDM for proposing the meeting changes and the board for the courage to accept and implement them.

We now have a Field Day Chair. Gordon Daily AA5TN has taken on the role and will be driving the Field Day program this year. Be sure to reach out to Gordon and let him know how you would like to help.

The Extra class has drawn to a close in March. The presenters worked hard to provide a great learning experience. As I write this we are a week from testing and I am sure they will be successful. Thank you to Cyndi and Lance for coordinating this class and getting the class online for those students that could not attend in person at the Golden Coral.

Work continues on the FRRL Bylaws review. We are making great progress. The team is meeting weekly, for about an hour, via an online meeting portal. We are looking at the document line by line with an eye to making sure the bylaws will support club operation for the foreseeable future. I believe that will be presenting our first draft at the May membership meeting. We will send the draft to membership at least a week prior to that meeting.

We have lots of activities upcoming, the MS Walk and Field Day are the most visible. We are also looking at other social activities that will just be fun to do and may not be "Ham Radio" centered.

Lastly, today I received my invite to join FRRL Group at Group.io. I quickly joined. It is important that all club members join this group. These groups allow us (club leaders) to let you know of important opportunities that you may be interested in. While it will not be the only communication tool the club has it will become our primary tool.

73,

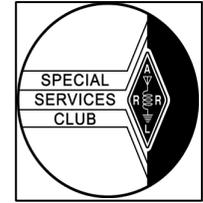
Dan Taddei, W9STS

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 March 12, 2019

The meeting was called to order at 19:30 CDT by President Dan W9STS. Audience introductions: Name, Call, QTH and "How are you going to help with Field Day"?

Approval of February 2019 Member Meeting minutes: Motion was moved, seconded and accepted. There were 50 people present at this meeting.

Treasurer's Report, Dan WA9YKK

Dan reported the financial balances as of 03/03/2019.

Director Report: Field Day/Repeater, Jim N9XP

Reports were given on the Net and the current antenna status for the Repeater. Field Day will be discussed later in the meeting.

Director Report: Classes/Programs/VE, John W9JDM

John reported on the Extra Class and the upcoming Tech and General classes. Teachers for the new Tech class are needed. John updated the group on the upcoming VE Sessions and future Programs. A program session for May is needed. A mention was made to bring back SIG and possibly implement topic classes. If you are interested in doing a SIG or topic class, please contact John.

Director Report: Outreach/Newsletter/PR, Priscilla AE9PM

Priscilla solicited volunteers for the Outreach Groups. Priscilla also covered our future involvement in the CAP and our Club effort in volunteering to help at this year's MS Walk.

Director Report: Tech/Membership/Yahoo-Group.io, Lance W9QB

The current member count is 116. Nothing new to report on the Website. The migration to Group.IO is in progress. Emails will be sent to everyone to invite them to Group.IO.

ARES, Debby WX9VOR (absent)

Visit the website at <http://kanecountyares.org> or see Debby for further specific details on any event happening with ARES.

Repeater Report Kermit W9XA.

Kermit is aware of a higher noise level on the 2M Repeater. There are commercial microwaves on the tower and they can interfere with operation. There is a defect with one antenna. Multiple site system is an option. Kermit gave some updates on the D-Star system – looking into a system problem. The Plano site is due to come online.

Old Business:

Technician Class: Call for Instructors

Instructors are needed.

Field Day.

We need a volunteer chair.

Review of Bylaws.

The Club Bylaws are currently being reviewed and revised by a committee on Wednesday evening using Zoom.

Yahoo to Group.io Update

Lance W9QB commented previously.

New Business:

MS Walk

Priscilla AE9PM covered this topic previously.

CAP Outreach

Priscilla AE9PM commented on this topic previously.

Announcements

Marty N9NTM mentioned upcoming Hamfests.

Roger W9YU reminded the Club he is handling the Outgoing QSL Bureau.

Upcoming Events

March 12th Membership Meeting

March 16th Extra Class

March 19th VE Testing

March 23rd Extra Exam

Adjournment

A motion was received, seconded and carried to adjourn the meeting. The member meeting was adjourned at 20:03 CDT.

Respectfully submitted,
David Booher W9BOO
FRRL Secretary

Technician Class

T1B02

Answer: **B. Any amateur holding a Technician or higher-class license**

FRRL - Upcoming Meeting Presentations



April Meeting:

Tuesday, April 9, 2019

Topic: **Satellite Radio**

presented by: **Larry Hageman - N9LH**

General Class

G1B05

Answer: **D. When it is an incidental part of a manned space craft retransmission**

May Meeting: **Tuesday, May 14, 2019** **TBD**

June Meeting: **Tuesday, June 11, 2019** **Field Day - Final Prep.**

Interested in presenting, or have an idea for a presentation? - contact us at: program@frrl.org

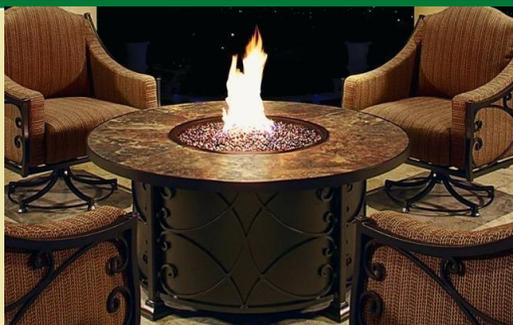
2019
Spectrum Defense Fund
Protect Your Frequencies.
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ARRL 2019
SPECTRUM DEFENSE FUND

<http://www.arrl.org/spectrum-defense-fund>

FRRL

Roundtable



Fireside

CHAT

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

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

Some **FRRL Fireside Roundtable Chat** articles & posts have previously been posted in FRRL Yahoo Groups.

Submitted By: John Greusel — KC9OJV

Subject: Great suggestion for determining amount of radials needed for a vertical antenna.

Source: From the Yahoo Groups...

I'm on a lot of groups related to Ham radio.

This post was about how to install a vertical antenna and put down an adequate number of ground radials. **William J. Schmidt - K9HZ** wrote this message below and I think he has a great idea as it's easy to implement.

John - KC9OJV

Re: Match made in Heaven

From: J68HZ

Date: Wed, 13 Mar 2019 08:58:11 PDT

Well I actually teach a class in RF design at the University. To bring this to field simplicity... you should measure the impedance of the antenna while putting down radials. When the impedance stops changing perceptibly, you have reached the point of diminishing returns. Modelling will tell you the same thing, but this is so easy that everyone can do it with their Purdum antenna analyzers.

Dr. William J. Schmidt - K9HZ J68HZ 8P6HK ZF2HZ PJ4/K9HZ VP5/K9HZ PJ2/K9HZ

Owner - Operator

Big Signal Ranch – K9ZC

Staunton, Illinois

- **FRRL Fireside Roundtable Chat** -

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

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

2019 — Upcoming Events Calendar:

— April —

Tue Apr 2 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL

Tue Apr 9 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL

*Sun Apr 13 — Madison Hamfest — Mandt Community Center, 400 Mandt Parkway, Stoughton, WI
Website: <http://www.w9hsy.org>

— May —

Sun May 5 — MS Walk — 7:00 AM - 12 noon @ Pottawatomie Park in St. Charles, IL
8 North Ave - contact: Priscilla, AE9PM for more info

*Sun May 5 — DeKalb Hamfest — Sandwich Fairgrounds, 1401 Suydam Rd, Sandwich, IL
Website: <http://www.karc-club.org>

Tue May 7 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL

Tue May 14 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL

* Fri May 17 - Sat May 18 - Sun May 19 — Dayton Hamvention & ARRL National Convention
@ Green Co. Fairground & Expo Center, 120 Fairground Rd. Xenia, OH 45385
Website: <http://www.arrl.org/arrl-expo>

Sat May 18 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 1 — Ch. 1: Welcome to Amateur Radio

Tue May 21 — VE Testing — 7:00 pm - 9:00 pm @ Messenger Library in North Aurora, IL

Sat May 25 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 2 — Ch. 2: Radio & Signals Fundamentals

— June —

Sat Jun 1 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 3 — Ch. 7: Licensing Regulations

Tue Jun 4 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL

Sat Jun 8 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 4 — Ch. 8: Operating Regulations

Tue Jun 11 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL

Sat Jun 15 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 5 — Ch. 6: Communicating with Other Hams

Sat Jun 22 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 6 — Tech Class Field Trip to the FRRL & BARS FIELD DAY Locations

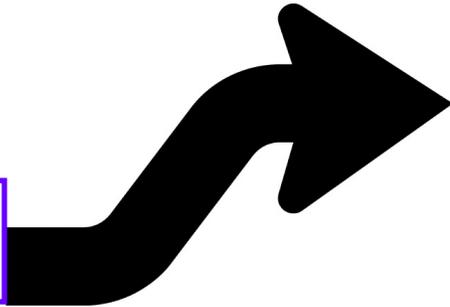
Sat Jun 22 — Sun Jun 23 — 2019 Field Day Event @ LeyRoy Oaks Forest Preserve in St Charles, IL

Sat Jun 29 — Technician Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 7 — Ch. 3: Electricity, Components, & Circuits

For more information: On any of the **Class schedules** visit our web site: <http://www.frll.org/education.php>

* All Hamfests are as listed on the ARRL website under Hamfests & Conventions.

We're Moving.....



ATTENTION:

Everyone should already be MOVED OVER and Settled into the NEW FRRL Groups.io

This is a Friendly Reminder—in case you are one who has ignored all the emails.

FRRL Members,

As has been previously announced, the Fox River Radio League is moving its message group from Yahoo to **Groups.io**.

You should have already received an email for an invitation from **Groups.io** to join the new **FRRL** group. The invitations were sent out on **Sunday March 17**.

Don't forget - You will need to **opt in** for access to the new message group.

If you wish to use a **different email** address to join this group please REPLY to the email you receive from "*Members@FRRL.groups.io*" to let Chris know the email address you prefer to use.

Although Chris is unable to transfer Yahoo's messages at this time, he will be working on at least getting a text of them transferred. Chris is also working on transferring files and photos from the Yahoo group over to Groups.io.

After the transition, the old FRRL on Yahoo Groups will still be available to view but will not accept new posts.

Let Chris know if you have any questions or wish to change your email for the Groups.io.

Thank you,
Chris Kennell - KC9BKS
groupadmin@frrl.org

Edited for publication in the ArcOver by the ArcOver Editor.

2019 Technician Class



The **FRRL** club and the **Bolingbrook Amateur Radio Society (BARS)** club are working together again to co-present another Technician Class License Course training this summer.

Dates: **May 18, 2019 thru July 27, 2019**

When: **Saturdays — 9:00 AM to 12:00 noon**

Where: **Golden Corral in Aurora
4270 East New York Street, Aurora, IL**

VE Testing on: Saturday July 27, 2019 at 9:00 AM

This Technician Course is a **FREE - 11 week** course, to be held every **Saturday Morning 9 AM to 12 noon** at the **Golden Corral, in Aurora**. This year's Technician Class will span over the **ARRL Field Day Event**. The Technician Class will be going on a **FIELD TRIP** to **FIELD DAY** to visit the FRRL and BARS Field Day Locations and **"Get on The Air"!!**



Class Dates	Technician Class SCHEDULE & SYLLABUS	Class Location
May 18 - July 27, 2019		Golden Corral 4270 New York St. Aurora, IL 60004
Saturdays 9:00 AM - 12:00 PM		
May 18	1. Welcome to Amateur Radio C.S. 1 1.1 What is Amateur Radio 1.2 Why Get Licensed 1.3 Amateur Radio Activities	1000 1000 1000
May 25	2. Radio and Signal Fundamentals C.S. 2 2.1 Electromagnetic Waves 2.2 Radio Frequency Waves	1000 1000
June 1	3. Licensing Regulations C.S. 3 3.1 Licensing Process 3.2 License Categories 3.3 License Renewal	1000 1000 1000
June 8	4. Operating Procedures C.S. 4 4.1 Operating Procedures 4.2 Emergency Communications 4.3 Net Operations	1000 1000 1000
June 15	5. Communicating with Other Hams C.S. 5 5.1 Calling Procedures 5.2 Operating on Public Bands 5.3 Emergency Communications	1000 1000 1000
June 22	6. FIELD DAY EVENT - Class Field Trip C.S. 6 6.1 Field Day Preparation 6.2 Field Day Activities	1000 1000
June 29	7. Electronics, Components, and Circuits C.S. 7 7.1 Electronics Fundamentals 7.2 Basic Circuits	1000 1000
July 6	8. Measurements, Antennas, and Feed Lines C.S. 8 8.1 Measurements 8.2 Antennas 8.3 Feed Lines	1000 1000 1000
July 13	9. Amateur Radio Equipment C.S. 9 9.1 Amateur Radio Equipment 9.2 Safety 9.3 Safety	1000 1000 1000
July 20	10. Safety C.S. 10 10.1 Safety 10.2 Safety	1000 1000
July 27	11. VE Testing C.S. 11 11.1 VE Testing 11.2 VE Testing	1000 1000



Come and support the Technician Class — Come early and eat breakfast with a ham!

For more info about the class visit the FRRL website: <http://www.frrl.org/education.php> -or-
Contact Education Chairman: Cyndi Gillies, K9NAX at: PR@frrl.org or k9nax@arrl.net
Contact Director: Lance Clarke, W9QB at: Director4@frrl.org or w9qb@arrl.net

What is ARRL Field Day?

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. On the fourth weekend of June of each year, more than 35,000 radio amateurs gather with their clubs, groups or simply with friends to operate from remote locations.



Field Day is a picnic, a campout, practice for emergencies, an informal contest and, most of all, FUN! It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other stations as possible and to learn to operate our radio gear in abnormal situations and less than optimal conditions. We use these same skills when we help with events such as marathons and bike-a-thons; fund-raisers such as walk-a-thons; celebrations such as parades; and exhibits at fairs, malls and museums — these are all large, preplanned, non-emergency activities.

But despite the development of very complex, modern communications systems — or maybe because they ARE so complex — ham radio has been called into action again and again to provide communications in crises when it really matters. Amateur Radio people (also called “hams”) are well known for our communications support in real disaster and post-disaster situations.

What is the ARRL? The American Radio Relay League is the national association for Amateur Radio in the USA, representing over 170,000 FCC-licensed Amateurs. The ARRL is the primary source of information about what is going on in ham radio. It provides books, news, support and information for individuals and clubs, special events, continuing education classes and other benefits for its members.

What is Amateur Radio Often called “ham radio,” the Amateur Radio Service has been around for a century. In that time, it’s grown into a worldwide community of licensed operators using the airwaves with every conceivable means of communications technology. Its people range in age from youngsters to grandparents. Even rocket scientists and a rock star or two are in the ham ranks. Most, however, are just normal folks like you and me who enjoy learning and being able to transmit voice, data and pictures through the air to unusual places, both near and far, without depending on commercial systems. The Amateur Radio frequencies are the last remaining place in the usable radio spectrum where you as an individual can develop and experiment with wireless communications. Hams not only can make and modify their equipment, but can create whole new ways to do things.

For More Information visit: www.arrl.org

-end-



FRRL Featured News

HF Challenge



2018 - Bill Erickson WA9TPQ FRRL HF Challenge Results

QRO No Power Limit

Name	Call	Total
Lawrence W. Stark	K9ARZ	453
Dick Illman	AH6EZ/W7	365
Joe Dubeck	NA9A	297
Dean Holste	KC9EOQ	179
Roger Bara	W9YU	104

Editor Reprint: For those who might have missed it, and with respect for everyone's accomplishments.

From: Joe Dubeck - NA9A

After 21 years, it's over.
 As forecast in December 2017 and was confirmed in my announcement published in the January 2019 *Arc Over*, **The Bill Erickson WA9TPQ FRRL HF Challenge** has ended. I do want to thank everyone who stuck with it to the end.

Operator 200 Watts or Less

Name	Call	Total
Alan Ahasic	W9AN	252
Dean Gearhart	KB9BL	117
Elber F. Tejada	KD9JUQ	109
Herb Pasteur	W9DTR	99

Limited to Band or Mode

Name	Call	Limit	Total
Gary Hornbuckle	K9MMS	CW	364
Jim Nevitt	N9XP	Digital	201
Harry Jones	K9DXA	Digital	119
Eric Lorenz	K9LGE	Digital	18
Chris Kennell	KC9BKS	QRP	4

Ragchew QSOs lasting 10 minutes or longer

Name	Call	Total
Dick Illman	AH6EZ/W7	71
Dean Gearhart	KB9BL	56
Joe Dubeck	NA9A	19
Gary Hornbuckle	K9MMS	2
Roger Bara	W9YU	2

If anyone is interested in continuing their own personal Challenge, I've prepared generic worksheets as an Excel file for anyone that wants one.

Email requests to: na9a@comcast.net.

Thank you and 73,
 Joe Dubeck, NA9A <dit> <dit>



FRRL Featured News

ARRL Contest Dates



ARRL Contest Calendar Dates

If you missed out on earlier Contest Dates—Check back here every month!

<p>March 2019</p> <p>2-3 <u>International DX– Phone</u></p>	<p>April 2019</p> <p>14 <u>Rookie Roundup – Phone</u></p>
<p>June 2019</p> <p>8-10 <u>June VHF</u></p> <p>15 <u>Kids Day</u></p> <p>22-23 <u>Field Day</u></p>	<p>July 2019</p> <p>13-14 <u>IARU HF World Championship</u></p>

No Contests are planned for May, 2019

- ◆ Contest Calendar Dates and Information are from the ARRL website.

<http://www.arrl.org/contest-calendar>



ARRL NEWS



[More Mentors Needed for New ARRL Emergency Communications Course Sessions](#)



High interest in the recently announced updated ARRL Introduction to Emergency Communications (EC-001) course is prompting a call for additional class mentors to help meet the demand, which ARRL Life-long Learning Manager Kris Bickell, K1BIC, says "exceeded our projections." As Bickell explains, the course is designed to be interactive, with volunteer mentors guiding each session.

"We appreciate the work of the mentors to make EC-001 an interactive experience for the participants.

The real-world emergency communications experience they bring to the course is very important to the learning process," Bickell said. "We look forward to bringing in more mentors to help ARRL expand the reach of this valuable emergency communications training." Bickell has developed a waiting list for prospective EC-001 students, who will be notified as additional sessions are scheduled.

The EC-001 course covers the broad range of radio communication technologies, communication techniques, and emergency management skills necessary in helping served agencies respond to and recover from disasters.

EC-001 mentors should be ARRL members and active, experienced Amateur Radio licensees of General class or higher, and at least 18 years old. Mentors should have experience in public service communication and in Amateur Radio Emergency Service (ARES) activities and come with the recommendation of their Section Managers.

In addition to the EC-001 course, prospective mentors should have completed [ICS 100, 200, 700, and 800](#); the [FEMA Professional Development Series](#), and National Weather Service [SKYWARN](#)[®] training. Professional experience in emergency response or communication and as a trainer or educator is desirable, with interest or experience in distance learning. Candidates should possess sufficient computer skills, be able to interact with online-course students and with other mentors, and be able to maintain adequate computer equipment.

Continued >>



[More Mentors Needed for New ARRL Emergency Communications Course Sessions](#) *Continued.....*

Appointment as an ARRL Field Instructor or as a mentor for the ARRL Public Service Communications training program is for 3 years, renewable based on satisfactory performance as an active instructor/mentor and the successful fulfillment of all current qualifications and requirements.

Field Instructors and mentors are expected to maintain their qualifications and adhere to all guidelines and standards of conduct for volunteers representing ARRL.

[Apply online](#) to become an ARRL mentor. For more information, contact ARRL Emergency Preparedness Assistant [Ken Bailey, K1FUG](#), (860) 594-0227.

To Read [more](#).

-end-



Preserve W1AW

This simple and graceful building represents far more history and accomplishment than most passersby would imagine. Cross the threshold and you enter another world, one in which the magic of

radio communication has spanned several generations. You can feel the spirit of Hiram Percy Maxim, whose "Old Betsy" rotary spark gap transmitter graces the vestibule. You can almost see Hiram Percy Maxim sitting at his desk in the era of Amateur Radio when sparks flew and each contact was a rare event. And his spirit of adventure and experimentation - and above all, service - is still alive at W1AW, the Hiram Percy Maxim Memorial station.

In recent years, since ARRL launched the W1AW Endowment Fund, the station has been modernized without sacrificing its character and history. Income from the W1AW Endowment Fund has contributed to the replacement of aging equipment and antennas. A vintage AM station sits gracefully alongside D-Star and other advanced digital technologies. A matrix of antenna connections and a wall of transceivers and amplifiers for every band bring daily bulletins and Morse code practice to every corner of the country and the world. The guest operating suites showcase the most up-to-date equipment.

As an intrepid tinkerer and inventor, Hiram Percy Maxim would be pleased with how far Amateur Radio has progressed, and proud of the station that bears his name.

-end-

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.

Extra Class

E1A03

Answer: **C. An area surrounding the National Radio Astronomy Observatory**

Conventions

Go Now

May 17-19, 2019 ■ ARRL National Convention — Dayton Hamvention® ■ Xenia, Ohio

May 31- June 2, 2019 ■ Northwestern Division — SEA-PAC® ■ Seaside, Oregon

June 7-8, 2019 ■ West Gulf Division — Ham-Com ■ Plano, Texas

August 8 -10, 2019 ■ Rocky Mountain Division — Utah Hamfest ■ Ogden, Utah

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