



ARC OVER



The Official Newsletter of the Fox River Radio League
Since 1924

Our 95th Year in Amateur Radio!

March 2019



Proud to be an ARRL
Special Service Club

NEXT — Board Meeting:

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

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

NEXT — Membership Meeting:

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

NEXT — VE Test Session:

Tue - Mar 19, 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

Make this the Year.... YOU get more involved in FRRL !!
Lots of new Activities—Step Up—Sign Up—Participate TODAY!!

**Amateur
Extra Class
Schedule**



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



FRRL
Fox River Radio League

BARS Bolingbrook
Amateur Radio Society

Class Dates: January 19 -thru- March 23, 2019
When: Saturday Mornings - 9 AM - 12 noon
Location: Golden Corral, New York St, in Aurora

Looking to Upgrade to Extra — Do it NOW!
 The Amateur Extra Class training course is going strong! If you haven't dropped by - Do so! Our 13 students are doing great.

NEXT EXTRA CLASS — Mar. 2, 2019

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

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**walk
MS**

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 doesn't take much work, just a few hours of your time and a little effort.

- 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.

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
WT2P	Cedrick Johnson	Amateur Extra
KD9MIO	Ethan Montague	Technician

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:

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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

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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

T1A03

What are the FCC rules regarding the use of a phonetic alphabet for station identification in the Amateur Radio Service?

- A. It is required when transmitting emergency messages
- B. It is prohibited
- C. It is required when in contact with foreign stations
- D. It is encouraged



General Class

G1A03

On which of the following bands is image transmission prohibited?

- A. 160 meters
- B. 30 meters
- C. 20 meters
- D. 12 meters

Extra Class

E1A03

With your transceiver displaying the carrier frequency of phone signals, you hear a station calling CQ on 14.349 MHz USB. Is it legal to return the call using upper sideband on the same frequency?

- A. Yes, because you were not the station calling CQ
- B. Yes, because the displayed frequency is within the 20 meter band
- C. No, the sideband will extend beyond the band edge
- D. No, U.S. stations are not permitted to use phone emissions above 14.340 MHz

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

March - 2019

Spring is almost here. As I write this there is still snow on the ground with more on the way but the days are getting longer and I know it will be getting warmer soon. Along with longer days there are more opportunities to provide service to our communities. On Sunday May 5th there will be the MS Walk at Pottawatomie Park in St Charles. We could use your help - If you would like to come and help out with the MS Walk please contact Priscilla Miller AE9PM.

We will also be starting a new Technician Training Class this spring on May 18th. Please help promote this class, this is your opportunity to invite friends, family members, and interested parties into this wonderful hobby. See Cyndi Gillies K9NAX or Lance Clarke W9QB if you would like to be a teacher in this class or have someone that would like to attend.

Then there is Field Day - this year on June 22-23. We need a **Field Day Chairmen** and some band captains. Please let me know if you can help out with this important event.

Throughout this year, we are hoping to do some club activities at time other than on meeting nights. Our outreach coordinator Priscilla Miller AE9PM presented a number of initiatives at the February membership meeting of which looked like fun. So as the weather turns warmer look for notifications announcing these activities. They will be fun social events that may or may not involve operating a radio. So stay tuned and keep a look out to see what the next great event is going to be and come out and join us for the fun.

Just a couple of club related business notes:

First - please know that we will be leaving our Yahoo group and migrating to "Group.io". This move is in response to many of you requesting a communication platform that will not spam you when you sign up, or require you to create yet another email account. The new "Group.io" platform will use your existing email as a sign on and will not generate any spam. Personally, I belong to a number of groups that use this platform and it is clean and easy to use. I say this as it is critical that ALL of you as FRRL member join this group platform. It is our primary method of delivering to the club membership related news in-between the ArcOver editions.

Second - know that we are starting a review of the club's bylaws. The last full bylaws review was completed in 1997, over 20 years ago. A lot has changed in those years and it is critical that our bylaws reflect the 21st century. If you would like to help please let me know.

73,

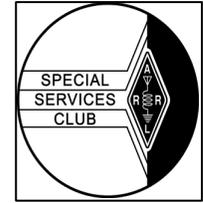
Dan Taddei, W9STS

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 February 12, 2019

The meeting was called to order at 19:30 CST by President Dan W9STS. Audience introductions: Name, Call, QTH and "What do you or will you do to help the club fulfill its purpose"?

Approval of January 2019 Member Meeting minutes: Motion was moved, seconded and accepted. There were 29 people present at this meeting.

Treasurer's Report, Dan WA9YKK

Dan reported the financial balances as of 01/31/2019.

Program, Johnathan W9JDM

Tonight: Joe NA9A presented the HF Challenge Awards. March Program: ZumSpot DMR – Dan Taddei W9STS. Johnathan put out a call for someone to volunteer to become the Program Coordinator. Also, if you are interested in presenting, please see Johnathan.

Education Cyndi K9NAX

Cyndi went over the efforts to have an Extra, General and Tech classes.

VE (Volunteer Examiner) Testing, Paul AC9BS (absent)

Lance W9QB noted that there is a VE Team available to administer exams for people who require a special accommodation (i.e. home visit). The next VE session will be March 19th 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 (absent)

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 161 active members. Chris encouraged everyone to renew their membership.

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 W9XA reported on the furnace repair and mentioned that the weather is preventing repair on the antenna. Some work and software upgrades were done to the D-star system. Work is on-going at the Plano site.

Old Business:

Pay Your Dues

See Dan WA9YKK or pay dues online (frri.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 is in the 4th week at the Golden Corral in Aurora. There are currently 13 students. All members are welcome to come out on Saturday's to support the group. VE testing will be March 23rd after the last Extra Class. A new Tech class is starting in May. A General class will possibly start in September.

Field Day

Dan W9STS put out a call for a Field Day Chair. The Club needs someone from the Membership to set up to help with this.

Bylaws Review

Dan W9STS asked the Membership to become involved in organizing a committee to review and update the Club's Bylaws. Please see Dan W9STS to help.

New Business:

Moving from Yahoo to Group.io

Chris KC9BKS gave a Powerpoint presentation to the Membership. Comparisons were shown between the current Yahoo Group and Group.io. March is the target to possibly start the transition with a full migration target of May 2019.

Outreach Proposal

Priscilla AE9PM presented her outreach proposal. Several new options were presented. Priscilla also had some new ideas for Marketing.

Announcements

Priscilla AE9PM announced the MS Walk May 5th.

Upcoming Events

February 16th and 23rd Extra Class
February 12th Membership Meeting
March 4th Board Meeting
March 2nd, 9th and 16th Extra Class
March 12th Membership Meeting
March 19th VE Testing

Adjournment

A motion was received, seconded and carried to adjourn the meeting. The member meeting was adjourned at 20:34 CST.

Respectfully submitted,
David Booher W9BOO
FRRL Secretary

Technician Class

T1A03

Answer: **D. It is encouraged**

FRRL - Upcoming Meeting Presentations



March Meeting:
Tuesday, March 12, 2019

General Class

G1A03

Answer: **B. 30 meters**

Setting Up a DMR Hotspot

presented by: Dan Taddei, W9STS

Learn How to:

- Configure the Zumspot to work with DMR Radio
- Set Up the Hotspot Channel in a DMR Radio
- Includes time for a DMR Demo and a Q/A period

April Meeting: Tuesday, April 9, 2019 TBD

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.

Donate Now

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

ARRL 2019
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: Mike Urso — K9FE

Subject: NASA on the Air

Source:

From the Yahoo Groups...

From: Mike Urso—K9FE

Just found this, and had a certificate waiting for me!

Here is a Certificate you may have and don't know it. How many NASA on the Air - NOTA stations have you contacted ?

Go to this link and put your call sign in . <https://nota.ka0s.net/>

Beautiful certificate! Check and see if you have unknowingly worked one or more of the stations. Mine were all digital from the Johnson Space Center.

DE K9FE Mike

- 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:

— March —

- Sat Mar 2 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 7 — Modulations, Protocols, & Modes: Chapter 8 — Dan Taddei, W9STS
- 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
Week 8 — Antennas & Feed Lines: Chapter 9 — Peter Walter, K9PW
- 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
Week 9 — Topics in Radio Propagation: Chapter 10 — Peter Walter, K9PW
- Sat Mar 16 — DuPage Co Advanced Sever Weather Seminar — @ Wheaton College in Wheaton, IL
Website: www.DuPageCo.org/WeatherSeminar — \$40. — 8:30am - 3:30pm
- Sun Mar 17 — Sterling-Rockfalls Hamfest — @ Rockfalls Community Center, 601 W 10th St. Rockfalls, IL
Website: <http://www.w9mep.com/>
- Tue Mar 19 — VE Testing — 7:00 pm - 9:00 pm @ Messenger Library in North Aurora, IL
- Sat Mar 23 — Extra Class — VE Testing — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 10 — NIARTT VE Team — Lance Clarke, W9QB - *OPEN VE TESTING* -
- Sun Mar 23 — MRAC, MAARS Swapfest — @ Elks Lodge # 46 5555 W Good Hope Rd, Milwaukee, WI
Website: <http://www.w9rth.org/club-events/swapfest/>

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

For more Information:

For more info 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



The End of the Challenge

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.

The plan was to deliver the certificates of accomplishments at February's club meeting but due to the bad weather, not many participants were there; maybe they were home in their warm and safe shacks working DX.

By the time this is published, certificates will have been mailed out and shown here (next page) is how it ended:

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

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

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



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>



Local Amateur Radio Event — Sat. March 16

28th Advanced #DuPageWxSeminar Register Now!

Time: 8:30 AM until 3:30 PM
Doors open at 7 a.m.

Location: Todd M. Beamer Center
Wheaton College
501 College Ave, Wheaton, IL 60187
(This event is not a function of Wheaton College)

Registration Cost: \$40 (includes continental breakfast, lunch, and a special give-away)

No walk-in registrations or payments at the door will be accepted.

Website: www.DuPageCo.org/WeatherSeminar/

Follow @ProtectDuPage on Twitter and Facebook.



(Credit: nssl0129, NOAA's National Severe Storms Laboratory (NSSL) Collection)

DuPage County Office of Homeland Security
and Emergency Management

ProtectDuPage.org

@ProtectDuPage



This Advanced Weather Seminar is geared toward those individuals who will be on the front line of the weather warning systems, including: spotters, amateur radio operators, emergency management personnel, police, fire, educators, public works and utility workers. This seminar is designed to provide a continuing education to the trained spotters who wish to broaden their understanding of advanced weather.

DATE: Saturday March 16, 2019 - **TIME:** 8:30 am—3:30 pm

REGISTRATION: \$40. (includes continental breakfast, lunch & a special giveaway).

No walk-in registrations or payments at the door will be accepted.

LOCATION: Todd M. Beamer Center at Wheaton College — 501 College Ave, Wheaton, IL 60187 *(this event is not a function of Wheaton College)*



ARRL NEWS

KickSat-2 is Alive and Being Tracked



For the first couple of days after the 3U KickSat-2 was deployed from *Cygnus NG-10* last November, nothing was heard from the satellite. But in a February 16 [post](#) to AMSAT-BB, Nico Janssen, PA0D-LO, reported receiving several short and weak transmissions from KickSat 2 — short telemetry bursts on 437.5077 MHz. Assistant Professor of Aeronautics and Astronautics at Stanford University Zac Manchester, KD2BHC, is the principal investigator for the KickSat project, which NASA adopted as an official mission.

“Yes, KickSat-2 is alive,” Manchester told ARRL. “We have been tracking it since Thursday, [February 14,] and have been able to decode at least some packets. The signal is weak and we think the antenna did not properly deploy on the CubeSat.”

KickSat-2 is scheduled to deploy up to 104 tiny Sprite satellites into low Earth orbit. The Sprites then would transmit on 437.240 MHz at 10 mW, communicating with each other via a mesh network and with command stations on Earth. The Sprites, which are less than 2 square inches, are expected to reenter Earth’s atmosphere within weeks. Manchester did not indicate if attempts would be made to deploy the Sprites.

NASA calls KickSat-2 a technology demonstration mission that’s designed to demonstrate the deployment and operation of prototype Sprite “ChipSats,” also known as “femtosatellites.”

The FCC recently imposed a \$900,000 penalty on a commercial concern, Swarm Technologies, for launching similar tiny satellites after the FCC had denied permission.

“These spacecraft are therefore below the size threshold at which detection by the Space Surveillance Network can be considered routine,” the FCC told Swarm Technologies.

Manchester had been trying without success to convince the FCC to allow him to deploy the Sprites from KickSat-2, but, apparently gun shy after the Swarm action, the agency denied permission at the last moment.

Once NASA adopted KickSat-2 as its own mission, however, the regulatory body shifted to the National Telecommunications and Information Administration (NTIA), and the launch went forward.

In the Swarm Technologies proceeding, the FCC has argued that satellites smaller than 10 centimeters on any side were too small, although the agency has been accused of inconsistency in its approach to licensing small satellites. KickSat-2’s Sprites are 3.5 centimeters on the side and just 0.2 centimeters thick. Manchester’s 2014 KickSat was unable to deploy its Sprites before deorbiting.

The FCC issued an *Enforcement Advisory* last April to remind satellite operators that they must obtain FCC authorization for space station and Earth station operations. The advisory cautioned satellite operators and launch companies against proceeding with launch arrangements following a license denial or prior to receiving an FCC authorization.

Manchester is reported to be developing a plan to deploy a group of small satellites to survey the sky in the LF radio range, something that cannot be done from the ground owing to the ionosphere.

-end-



ARRL NEWS



ITU WRC-19 Conference Preparatory Meeting Under Way in Geneva

The second Conference Preparatory Meeting (CPM) in advance of World Radio Communication Conference 2019 (WRC-19) this fall got under way on February 18 at International Telecommunication Union (ITU) Headquarters in Geneva. Delegates from around the world are attending.

This CPM will prepare a consolidated report that will support of the work of WRC-19, based on contributions from various administrations, study groups, and other sources concerning the regulatory, technical, operational, and procedural matters, and the inclusion of reconciled differences or of differing views and their justification.

Agenda items affecting Amateur Radio include the harmonization of the 50-MHz amateur allocation, 5G in the 47-GHz band (Amateur Radio has an allocation at 47.0 – 47.2 GHz in the US) and elsewhere, and studies concerning Wireless Power Transmission (WPT) for electric vehicles to assess the impact of WPT for electric vehicles on radiocommunication services and to study suitable harmonized frequency ranges which would minimize the impact on radiocommunication services for WPT for electrical vehicles.

-end-



Amateur Radio is Aboard...

Amateur Radio is Aboard during Attempt to Become Oldest Circumnavigator — Jeanne Socrates, VE0JS/ KC2IOV, is used to solitude. The lone 76-year-old yachtswoman passed the southern tip of Africa — some 300 miles to the north — on Valentine's Day as she forged on toward Australia and New Zealand in her 38-foot sailing vessel *Nereida*. While underway, Socrates keeps in touch with a community of friends via Amateur Radio — although she had to yield to the ARRL International DX CW activity over the weekend — and she's sticking to a schedule of 7.160 MHz at 0230 UTC daily. Socrates reported making contact with some ham radio

friends on the US west coast on February 17. She's been [blogging](#) her progress.

The retired math teacher and UK native also is no stranger to circumnavigating the globe, having already become the oldest woman to do complete a solo, non-stop, unassisted round-the-world voyage. Ham radio served as her link to terra firm during her earlier adventures. Since 2013, she's made two additional attempts to become the oldest *person* to circumnavigate Earth, the goal she's now attempting to achieve. She departed Vancouver, British Columbia, last October.

Socrates is working around a damaged mainsail. "We seem to be having many more days of light wind giving slow speed, than stronger wind giving good speed — need a wind of well over 15 knots and, preferably, for us to be headed downwind. Any upwind travel immediately gives poor boat speed — that's when the damaged mainsail is badly missed," she recounted in a recent blog entry. She's been using the vessel's trisail — typically used for high-wind conditions — because the *Nereida's* mainsail repair was showing signs that it might not hold up in the wind. Socrates reports that she will continue to work on the mainsail as time permits. — *Thanks to Southgate Amateur Radio News for some information*

-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. No, the sideband will extend beyond the *band edge***

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