



ARC OVER



The Official Newsletter of the Fox River Radio League
Since 1924

Our 95th Year in Amateur Radio!

February 2019



Proud to be an ARRL
Special Service Club

2019 - New Officers & Directors

The 2019 New Officers Start their year off at the February Monthly Meeting!

President: Dan Taddei, W9STS
Vice President: Roger Bara, W9YU
Secretary: David Booher, W9BOO
Treasurer: Dan Harmon, WA9YKK

Director 1: Jim Nevitt Jr., N9XP
Director 2: John Miller, W9JDM
Director 3: Priscilla Miller, AE9PM
Director 4: Lance Clarke, W9QB

Amateur Extra Class Schedule



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 2 weeks under way. After some technical glitches the first week, everything is now running smoothly. We have 12 people overall in attendance — with about 8 people in person and 4 online connected remotely.

NEXT EXTRA CLASS — Feb. 9, 2019

If you have questions or want to help, please contact:

Cyndi - K9NAX @ pr@frrl.org -or- Lance - W9QB @ Director4@frrl.org

NEXT — Board Meeting:

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

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

NEXT — Membership Meeting:

Tue - Feb 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

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MS WALK

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



Working an event is a fun way to give back to the community.

- 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, KD9ICS, priscill@comcast.net**

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
KD9IKQ	Jeremy Francis	Technician
KD9LZU	Thomas Peddle	General
KD9KKP	Edward McComb	General

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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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

Newsletter / Facebook Editor: & Public Relations Officer

Cyndi Gillies, K9NAX

newsletter@frrl.org & pr@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

T1A01

Which of the following is a purpose of the Amateur Radio Service as stated in the FCC rules and regulations?

- A. Providing personal radio communications for as many citizens as possible
- B. Providing communications for international non-profit organizations
- C. Advancing skills in the technical and communication phases of the radio art
- D. All of these choices are correct



General Class

G1A01

On which of the following bands is a General Class license holder granted all amateur frequency privileges?

- A. 60, 20, 17, and 12 meters
- B. 160, 80, 40 and 10 meters
- C. 160, 60, 30, 17, 12 and 10 meters
- D. 160, 30, 17, 15, 12 and 10 meters

Extra Class

E1A01

When using a transceiver that displays the carrier frequency of phone signals, which of the following displayed frequencies represents the highest frequency at which a properly adjusted USB emission will be totally within the band?

- A. The exact upper band edge
- B. 300 Hz below the upper band edge
- C. 1 kHz below the upper band edge
- D. 3 kHz below the upper band edge

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

February - 2019

Change. It is said the only constant in life is change. We see it in the change of the seasons. Today it is -21 degrees outside. I know that someday it will be warmer. And I really look forward to that day. In the coming months we will be looking to make some changes to the FRRL club. So I am looking for ways of making the club's programs more in line with things YOU want to participate in. Look for more social and outreach activities.

At our last membership meeting I told you we would be reviewing the FRRL club's bylaws. They have not had a top down review or update in over 20 years and a lot has changed in that time. The tools we use to communicate with each other is far different that it was 20 years ago and our bylaws need to be updated to reflect those changes. Rather than trying to fix the bylaws a problem at a time we will be reviewing them entirely to bring them into the 21st century. I am still looking for a couple of volunteers to assist in this project. I don't want this to be a project that only the board of directors works on; I need membership input too. Once it is completed we will post the revisions to the club membership for everyone's review.

Another change that will take place is the move away from the yahoo group to "group.io" as a way to communicate relevant information out to each of YOU. This transition will take place over the next few months with the goal of being fully on the Group.io system by May 2019, more on this to follow.

If you have recommendation on how we can make the FRRL club a club that is more responsive to your Ham Radio needs you can let me know by emailing me at: president@frrl.org or you can send an email to the board at Board@frrl.org. Looking forward to seeing you at the membership meeting.

73,

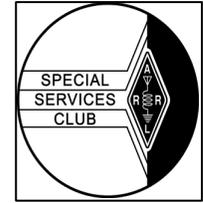
Dan Taddei, W9STS

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 January 8, 2019

The Winter Banquet commenced at 18:45 CST. The business portion of the meeting was called to order at 20:01 CST by President Dan W9STS.

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

Treasurer's Report, Dan WA9YKK

Dan reported the financial balances as of 12/28/2018

Program, Jason NX9Y

Tonight's Program: Winter Banquet. February: A possible program on DMR hotspot.

Education Cyndi K9NAX

The Extra Class is ready to start in January 2019.

VE (Volunteer Examiner) Testing, Paul AC9BS

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

Net, Dave N9XU

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

ARES, Debby WX9VOR

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 reports that the repeaters are running. The D-Star system was restarted. If you need access to D-star and you are locked out, please contact Kermit to renew your password. One of the coax connections for 2m is broken on the tower and it will need to be repaired when weather permits.

Old Business:

Pay Your Dues

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

Extra Class Update

Cyndi K9NAX reported that the Extra Class will start on January 19th, 2019 at the Golden Corral in Aurora. Cyndi brought flyers. The flyers can also be downloaded from the website. Cyndi passed out letters of appreciation to all members involved in last year's education efforts.

New Business:

Bylaws Review

Dan W9STS put the call out to the Membership to become involved in organizing a committee to review & update the Club's Bylaws. Many sections are somewhat out-of-date and lack provisions for newer available Internet technology.

Field Day

Dan W9STS reminded members that the Club needs to start planning this year's Field Day. Co-chairs and Band Captains will be needed. Please see Dan W9STS or Dan WA9YKK. LeRoy Oakes has been reserved as the venue.

Future Club Activities

Denny W9HI mentioned organizing a future Fox Hunt and possible new CW class. EME was also mentioned as a future activity. The HF Challenge is being retired, so the Club may need to re-organize it. Thank you to Joe NA9A for all his efforts over past several years with the HF Challenge.

Officer and Director Elections

The new 2019 Board Members were introduced: President, Dan Taddei W9STS; Vice-President, Roger Bara W9YU; Secretary, Dave Booher W9BOO; Treasurer, Dan Harmon WA9YKK; Director, Jim Nevitt N9XP; Director, Lance Clarke W9QB; Director, Priscilla Miller AE9PM and Director, John Miller W9JDM

Announcements

Priscilla AE9PM mentioned the MS Walk on May 5th.
Marty N9NTM brought the Club up to date on future events.

Upcoming Events

January 15th VE Testing
January 19th and 26th Extra Class
January 20th Wheaton Hamfest
February 2nd, 8th, 16th and 23rd Extra Class
February 5th Board Meeting
February 12th Member Meeting

Adjournment

A motion was received, seconded and carried to adjourn the meeting. The member meeting was adjourned at 20:29 CST.

Respectfully submitted,
David Booher W9BOO
FRRL Secretary

Technician Class

T1A01

Answer - **C: *Advancing skills in the technical and communication phases of the radio art***

FRRL - Upcoming Meeting Presentations



February Meeting:
Tuesday, February 12, 2019

General Class

G1A02

Answer - C: **160, 60, 30, 17, 12 and 10 meters**

Setting Up a DMR Hotspot 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

March Meeting: Tuesday, March 12, 2019 TBD

April Meeting: Tuesday, April 9, 2019 TBD

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

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: Denny Barfuss, W9HI
Subject: Signal Identification Guide
(Interesting website about Active/Common Signals)

All,

I received that attached link this morning (Jan. 15) from a ham named Howard. WB4IVF. For anyone that has listened to radio signals this is an interesting web sight. For those of you that have spectral displays and see things you can not classify just check out this sight.

73, Denny W9HI

Here are Howard's comments:

Ever wonder what some of the unfamiliar signals showing up in the waterfall display of your Flex might be? Here's an interesting site. It's interactive - you can select and display waterfall images and play sample sound clips of hundreds of stored signal types. For each type there is also a description, frequencies, mode, modulation, bandwidth, and transmitter location (s). Note the amateur radio category.

<https://www.sigidwiki.com/wiki/Category:Active>

- **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:

— February —

Sat Feb 2 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 3 — Components & Building Blocks: Chapter 5 — Jaye Sauer, W9CY

Tue Feb 5 — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL

Sat Feb 9 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 4 — Radio Circuits & Systems 1: Chapter 6 — John Miller, W9JDM

Tue Feb 12 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL

Sat Feb 16 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 5 — Radio Circuits & Systems 2: Chapter 6 — John Miller, W9JDM

Sat Feb 23 — Extra Class License Course — 9:00 AM - 12 noon @ Golden Corral in Aurora, IL
Week 6 — Radio Signals & Measurements: Chapter 7 — Dean Gearhart, KB9BL

* Sat Feb 23 — La Porte County Amateur Radio Hamfest — Times? @ La Porte Civic Auditorium
1001 Ridge St. La Porte, IN 46350 —website: <http://lpcarc.org>

— 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

Tue Feb 15 — 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* -

— 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

For 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

ARRL Contest Dates



ARRL Contest Calendar Dates

If you missed out on January's Contest Dates—Check back here every month!

(Ctrl+Click to follow links)

<p>January 2019</p> <p>1 Straight Key Night 5 Kids Day 5-6 RTTY Roundup 19-21 January VHF</p>	<p>February 2019</p> <p>11-15 School Club Roundup 16-17 International DX – CW</p>
<p>March 2019</p> <p>2-3 International DX– Phone</p>	<p>April 2019</p> <p>14 Rookie Roundup – Phone</p>

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

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





ARRL NEWS



Ailing ARISS “HamTV” Transmitter Back on Earth for Inspection, Possible Repair

The malfunctioning Amateur Radio on the International Space Station ([ARRISS](#)) “HamTV” transmitter now is back on Earth for repair or replacement, and it likely won’t be until sometime in 2020 at the earliest that Amateur Radio TV (DATV) capability will be restored to the orbiting laboratory. Onboard repair was not possible.

Also known as “Ham Video,” the DATV system transmissions were not seen by ARISS ground stations as of last April, and a subsequent test using a second L/S band patch antenna on the ISS *Columbus* module failed. The DATV transmitter since February 2016 has served to provide a visual dimension to ARISS school and group ham radio events.

Late last year, the ISS crew packed the HamTV unit and stowed it on the SpaceX-16 *Dragon* vehicle, which undocked and departed from the ISS on January 13. The HamTV unit returned to Earth when *Dragon* successfully splashed down in the Pacific Ocean, the first nighttime splashdown and recovery of a *Dragon* vehicle.

ARRISS Ham Project Coordinator Kenneth Ransom, N5VHO, told those attending the January ARISS meeting that the HamTV unit would be processed and sent to NASA’s Johnson Space Center. In time, ARISS will coordinate shipment of the unit to Kayser-Italia, which built the transmitter, where it will undergo a full failure investigation by ARISS, AMSAT-Italia, and the Kayser-Italia team. Depending on the outcome of the inspection, ARISS will decide the best way to move forward.

ARRISS expressed gratitude to NASA, [CASIS](#), and the team working with NASA Ham Payload Integration Manager Mitch Polt for organizing the return of the unit. Given various handling protocols, the unit is not expected to be received by NASA until this spring, and tests in Europe not completed until this fall.

If the HamTV unit is able to be repaired or refurbished, another wait would ensue. Documentation is required 50 days before a safety certification meeting, and all must be approved 2 months prior to launch, which could take place in a little more than a year. ARISS said it also will prepare for the possibility that repairs are not feasible and be ready to move forward with a new, improved HamTV unit.

ARRL NEWS



ARRL Board of Directors Issues Statement on Amateur Radio Parity Act

At its annual meeting January 18 – 19, the ARRL Board of Directors decided that the organization needs to “review, re-examine, and reappraise ARRL’s regulatory and legislative policy with regard to private land use restrictions.”

In order to effectively undertake such a review, the Board adopted a resolution to withdraw its December 18 [Petition for Rule Making](#) to the FCC, which sought to amend the Part 97 Amateur Service rules to incorporate the provisions of the Amateur Radio Parity Act ([ARPA](#)), without prejudice to refiling. The resolution also is asking members of Congress who had refiled legislation to enact the Amateur Radio Parity Act (ARPA) to refrain from seeking to advance that legislation pending further input from the ARRL.

Board members noted that the ARRL has been pursuing adoption of the ARPA for the past several years, and that objective has not yet been achieved. While everyone understands that getting Congressional approval on any matter can be a lengthy process, the difficulties getting the ARPA approved have been a source of frustration to the organization and its members. A majority of the Board now believes that there is a need to reassess the organization’s approach to this issue.

The Board wants to make clear to its members, and to those whose policies and conduct prevent or impair the right of US Amateur Radio operators to operate from their homes, that this pause is not, and should not be interpreted as an abandonment of its efforts to obtain relief from private land-use restrictions. The Board noted that its intent is “to renew, continue and strengthen the ARRL’s effort to achieve relief from such restrictions.” This action represents a chance to get the best product possible for all US Amateur Radio operators.

The Board expressed its sincere appreciation to the thousands of ARRL members who took the time to contact their representatives in Congress to urge them to support the Amateur Radio Parity Act. The Board also offered its thanks to those members of Congress who have consistently and continuously supported the rights of US Amateur Radio operators.

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
E1A01
Answer - D: *The 3 kHz below the upper 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