



ARC OVER



The Official Newsletter of the Fox River Radio League
Since 1924

September 2018

Revised: 9-12-2018



Proud to be an ARRL
Special Service Club

Membership Meeting:

Tue - Sep 11, 2018 @ 7:30 PM
Bethany Lutheran Church in
Batavia, IL

Board of Director's Meeting:

Tue - Oct 2, 2018 @ 7:00 PM
Colonial Café, in Aurora, IL

NEXT — VE Test Session:

Tue - Sep 18, 2018 @ 7:00 PM
Messenger Library, in
North Aurora, IL

General Class Schedule:

Sat - Sep 8 -~~thru~~ Nov 10, 2018
@ 9 AM -~~until~~ 12 PM noon
Golden Corral, in Aurora
4270 E New York St, Aurora, IL

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Our 94th Year in Amateur Radio!

Final Farmer's Market Outreach Program

The FRRL's final meet and greets for the season. The Ham Radio Outreach Program that's held at local Farmer's Markets is about to wrap up for the year. Come work radios, demonstrate "on the air" communications, and explain just what Amateur Radio is all about at this last 2 outreach programs of the season. Help make the final two Farmer's Market Outreach a huge Success!

- ✓ Location: **Oswego** Date: **Saturday—Sep 9th** 7 AM to 12 PM
- Location: **Aurora** Date: **Saturday—Sep 15th** 7 AM to 12 PM

Aurora — Farmers Market Location:

Aurora Transportation Center (Aurora Train Station) 233 N Broadway, Aurora

Oswego — Farmers Market Location:

Downtown Oswego (main street) 15 Main St, Oswego IL

If you want to help - Contact: Allen, KB9VO at: Education@frrl.org

2018 General Class



The **FRRL** and the **BARS (Bolingbrook Amateur Radio Society)** clubs will continue to co-present education classes. The next class is the **General Class** scheduled to start this month. The General Class will be a **FREE - 10 week** course, to be held on Saturday mornings.

- Start Date: **September 8, 2018 -thru-**
- End Date: **November 10, 2018 (VE Testing)**
- When: **Saturdays — 9:00 AM to 12:00 PM (noon)**
- Where: **Golden Corral — in Aurora**
4270 E New York St, Aurora, IL

Registration: *It's not too late!* If you're a Technician wanting to upgrade—Here's your chance—Go register (for head count) on the FRRL website: <http://www.frrl.org/education-registration.php>

For more information visit: <http://www.frrl.org/education.php>

If you'd like to help out with the General Class — Please Contact:
Allen, KB9VO - Education@frrl.org -or- Cyndi, K9NAX - PR@frrl.org

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

In Memorandum / Silent Keys

CALL	NAME	LOCATION
<i>W9PWO</i>	<i>Lloyd Jones</i>	<i>North Aurora, IL</i>

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.

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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

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President:

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Vice President:

Roger Bara, W9YU

Secretary:

David Booher, W9BOO

Treasurer:

Dan Harmon, WA9YKK

Directors:

- 1 - Jim Nevitt, Jr., N9XP
- 2 - Jason Burzynski, NX9Y
- 3 - Allen Nelson, KB9VO
- 4 - Lance Clarke, W9QB

Past President:

Dennis Barfuss, W9HI

License Trustee:

Kermit Carlson, W9XA

Newsletter / Facebook Editor:

Cyndi Gillies, K9NAX
newsletter@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.

Regular **Dues** are **\$25.00** - Family-**\$35.00**
Senior Citizen **\$15.00** - Sr. Family **\$20.00**
Student (full time under 22) **\$15.00** 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

T1D07

What types of amateur stations can automatically retransmit the signals of other amateur stations?

- A. Auxiliary, beacon, or Earth stations
- B. Repeater, auxiliary, or space stations
- C. Beacon, repeater, or space stations
- D. Earth, repeater or space stations



General Class

G7A06

What portion of the AC cycle is converted to DC by a full-wave rectifier?

- A. 90 degrees
- B. 180 degrees
- C. 270 degrees
- D. 360 degrees

Extra Class

E9H06

What is the triangulation method of direction finding?

- A. The geometric angles of sky waves from the source are used to determine its position
- B. A fixed receiving station plots three headings to the signal source
- C. Antenna headings from several different receiving locations are used to locate the signal source
- D. A fixed receiving station uses three different antennas to plot the location of the signal source

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

September - 2018

This month we started our General class and as I think about what hams do in this hobby I'm impressed with the breath of options that hobbyist engage in.

This month we will hear about building a kit and operating it. Last month we got to try out our hand in fox hunting and direction finding. Next month we will hear about being deployed to a storm ravaged area and setting up emergency communications in the worst of conditions. When many hams are happy to just operate on a repeater from time to time. We have learned about setting up a contest station chasing DX, and using a remote station. The list seems be endless. What is your "Ham Radio Thing"? are you a builder, a tinkerer, or an operator? What is it that you really enjoy about ham radio and how do you share you passion for the hobby?

The club has been doing a lot of outreach activities this summer and it has been lots of fun for those attending. I sure would love to see more of our club members come by the farmers markets and visit our in the park QSO parties. Even if you are not an operator come by and have an eyeball QSO with us.

73,

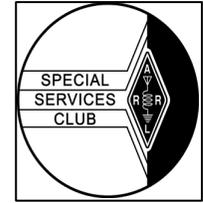
Dan Taddei, W9STS

President, Fox River Radio League

Email: President@frri.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 August 14, 2018

The meeting was called to order at 19:30 CDT by President Dan Taddei W9STS. Audience introductions: Name, Call, QTH and: "Have you done a fox hunt or would you do a club sponsored fox hunt"?

Approval of July 2018 Member Meeting minutes: Motion was moved, seconded and accepted.

There were 52 members present at this meeting.

Treasurer's Report, Dan WA9YKK

Dan reported the financial balances as of 8/10/2018

Program, Jason NX9Y

Tonight's Program: Pete K9PW – Learn About Foxhunting (with demonstration). September: John KC9OJV - μBITX. If you have any ideas for future programs, please see Jason.

Education, Allen KB9VO

General Class is set to go on Sept 8th. Instructors are needed. If you are interested in teaching a section of the class, please notify Allen KB9VO, Cyndi K9NAX or Lance W9QB. There are currently about 6 students signed up for the class.

VE (Volunteer Examiner) Testing, Paul AC9BS

The next VE session will be September 18th at the Messenger Library, North Aurora from 7PM to 9PM. The testing fee is \$15.00. Please bring a copy of your current license if upgrading.

Net, Dave N9XU

2m Net is every Tuesday at 7:30pm on the Club Repeater. Two new volunteers have signed up for net control. 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 147 active members.

ARES, Debby WX9VOR

Debby updated the group on recent ARES events. A Cystic Fibrosis event will be on Saturday, August 18th. There are several articles regarding changes to ARES in the current QST magazines. Visit the website at <http://kanecountyares.org> or see Debby for further specific details on any event happening with ARES.

Old Business:

General Classes

Allen KB9VO covered the material previously (under Education). The General Classes start on Sept 8th and will run to the testing date of November 10th.

Farmers Market Outreach Schedule and Sign Up

There has been some interest gained at the previous Farmers Markets. Aurora: August 18th. We need support from the Club Members to participate in these events. Please sign up with Allen KB9VO.

Winter Banquet

Denny W9HI informed the group that the banquet will be held at Bethany again this year on the 2nd Tuesday of January. Tickets will be on PayPal for \$20/person. Advance tickets may also be purchased through the Treasurer. Those who come and pay late will be charged \$25, so please register early. The same caterer will be used. The cutoff for registration is a week before the event.

Nomination Committee

Nominations for offices will take place at the November Member Meeting. Voting will take place at the December Member Meeting. Denny W9HI has volunteers for the committee.

IL QSO Party

The Illinois QSO Party will be held October 21st, 2018. The event will be held this year at Springbrook Prairie in Naperville.

IL Bicentennial QSO Party

This event runs from August 9th thru December 3rd, 2018. The Club may set up stations outside during this event to see if members will come out to operate. Harry K9DXA will be doing the party on August 25th and 26th from a three-county area: Clay, Jasper and Effingham.

New Business:

Donated Radios

Dan W9STS has a couple of donated radios that might be able to be used as a Club Radio. The Club is still investigating having a radio station at the Church.

Name Tags and Club Seals

Dan WA9YKK reminded members that name tags are available. The name tags are \$10. A sample tag was passed around. Also, there are some Club Seals (pins and flat-emblems) which are \$5.

Announcements

Denny W9HI discussed generator options for the Club to use at events. A quick demo was done in the parking lot with a less expensive model and a Honda generator for comparison.

Kermit W9XA reported on the July Meeting in Newington. He also discussed the new strategic plan for ARES. FCC Auxilliary:

Official Observers will now be called Volunteer Monitors.

Technician Class T1D07 Answer - B
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Announcements (continued)

Marty N9NTM updated the Club on future Hamfests.

Upcoming Events

September 4th Board Meeting

September 8th General Classes Start – Golden Corral Aurora

September 9th Farmers Market – Oswego

September 11th Member Meeting

September 15th Farmers Market – Aurora

September 18 VE Testing

Adjournment

A motion was received, seconded and carried to adjourn the meeting. The member meeting was adjourned at 20:23 CDT.

Respectfully submitted,
David Booher W9BOO
FRRL Secretary

FRRL - Upcoming Meeting Presentations

September Meeting - Tue September 11, 2018

uBITX — Learn all about the new exciting uBITX
Transceivers

Presented by: **John Greusel - KC9OJV**

October Meeting - Tue October 9, 2018

EmCom Activities in Puerto Rico — A Skype Presentation on Val's involvement.

Presented by: **Val Hotzfeld—NV9L**

November Meeting - Tue November 13, 2018

TBD — (Have an idea? - Let Jason know!)

Presented by:



General Class

G7A06

Answer - D

Interested in presenting, or have ideas for a presentation - contact: Jason, NX9Y - program@frrl.org

2018—Upcoming Events Calendar:

— September —

- ✓ Tue Sep 4 — Board of Director's Meeting —7:00 pm @ Colonial Café in Aurora, IL
- ✓ Sat Sep 8 —*thru*— Sat Nov 10 — 2018 - General Class License Course (FRRL & BARS)
9:00 am-12 pm @ Golden Corral in Aurora, IL
- ✓ Sat Sep 9 — Farmers Market Outreach — 7:00 am @ in Oswego, IL (*contact Allen, KB9VO*)
- Tue Sep 11 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL
- Sat Sep 15 — Farmers Market Outreach — 7:00 am @ in Aurora, IL (*contact Allen, KB9VO*)
- Sat Sep 15 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL
- Tue Sep 18 — VE Test Session — 7:00 pm @ Messenger Library in North Aurora, IL
- Sat Sep 22 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL
- Sat Sep 22 — * CFMC's Radio Expo — flea market: 6am-3pm Inside: 9am-12pm @ Boone County Fairgrounds 8971 IL-76, Belvidere, IL
- Sat Sep 29 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL

— October —

- Tue Oct 2 — Board of Director's Meeting —7:00 pm @ Colonial Café in Aurora, IL
- Sat Oct 6 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL
- Tue Oct 9 — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL
- Sat Oct 13 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL
- Sat Oct 20 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL
- Sun Oct 21 — Annual IL QSO Party — (details to follow soon)
- Sat Oct 27 — General Class License Course — 9:00 am-12 pm @ Golden Corral in Aurora, IL

ARRL — Extended Dates Events:

ONGOING — Sun Aug 26 -*thru*- Mon Dec 3 — 2018 - Illinois Bicentennial QSO Party

ONGOING — ALL YEAR: Jan -*thru*- Dec — 2018 - ARRL International Grid Chase

For More Information:

For more info on any of the **Class schedules** visit our web site: <http://www.frrl.org/education.php>

For more info or to help on the **Farmer's Market Outreach** — Contact: **Allen Nelson, KB9VO** at education@frrl.org

* Hamfests: As listed on the ARRL website under Hamfests & Conventions listings.

ARRL NEWS



Ham Radio to be Represented at 9th Annual World Maker Faire in New York City

The Garden School, K2GSG, and Hall of Science Amateur Radio clubs (ARC) in New York City will join forces this month to put Amateur Radio on display during the 9th annual [World Maker Faire NYC](#) at the New York Hall of Science in Corona, Queens, September 22 - 23. Last year's World Maker Faire NYC drew some 90,000 attendees. The Garden School's ham radio club advisor and science teacher John Hale, KD2LPM, said participating youngsters will introduce Amateur Radio and help attendees construct small, electronic "Maker Key" Morse code oscillators. The project helped Garden School win a blue ribbon at last year's Maker Faire.

Something new this year: visiting radio amateurs can build a tape-measure Yagi antenna for satellite or terrestrial use. In cooperation with the Hall of Science ARC, amateurs will attempt to make satellite contacts with the antennas as a demonstration, Hale said.



The Hall of Science will host a working HF radio demonstration called "When Disaster Strikes, Amateur Radio is Ready." Radio amateurs will be on hand to operate the radios and encourage those attending the Faire to attempt to make contacts.



Visitors to the 2017 World Maker Faire construct a code practice oscillator kit.

Established in 2016, the Garden School ARC is an integral part of the school's curriculum for educating students in STEM (science, technology, engineering, and math) disciplines. The Garden School ARC students are mentored by the co-exhibiting Hall of Science Amateur Radio Club (WB2JSM/WB2ZZO). Both are ARRL-affiliated clubs.

ARRL Marketing Manager Bob Inderbitzen, NQ1R, believes that Maker Faire events offer excellent opportunities to give greater exposure to Amateur Radio. "Exhibiting at a Maker Faire is a great way for radio club members to share their enthusiasm for ham radio with the public," he said.

Inderbitzen often gives tips to ham radio groups considering a Maker Faire exhibit. "Your exhibit should represent radio communication as innovative, hands-on, and cool," he advised. "Not everyone will want to become a ham, but have radio club, class, and licensing information on hand for Faire attendees who seem especially interested."



Candidate Statement

Kermit Carlson - W9XA



It has been my privilege to serve as your Central Division Director since July 2016, and for the six years before as Vice Director. I have traveled to hamfests, conventions, and club meetings, and responded to your concerns. I have attended ARRL Board and Committee meetings working diligently to represent you.

The ARRL needs strong, committed, and experienced leadership to meet the challenges, we face.

I pledge to continue my efforts to;

- Steadfastly represent the consensus of the Central Division Members
- Work to protect the Amateur Radio Spectrum
- Support ARRL legislative action
- Improve ARRL member's services
- Protect Antenna Right
- Fight unfavorable land use conditions that restrict effective antennas
- Strengthen ARES

I presently serve on the ARRL Administration and Finance Committee, 2018 CEO Search Committee, OO-Program Review Committee, and as Chair of the ARRL Board's EMC "ElectroMagnetic Compatibility" Committee. I have formerly served on the Program and Services Committee, Ethics and Elections Committee, VHF Contest Revitalization Committee, and as the Board Liaison to the VUAC. Prior to my election as Vice Director I was the Central Division representative to the VUAC and the VRAC.

First licensed in 1970 as WB9FBX, I became W9XA in 1977 and I hold the FCC Second Class Commercial Radio-Telegraph license. I have Life Membership in the ARRL, the Central States VHF Society, AMSAT and ARRL Maxim Society. I belong to MARS, RSGB, SMC, CW Operators Club, A-1 Operators Club, FRRL, NIDXA and I sort QSL cards for the Ninth Area QSL Bureau. I have hosted Amateur Radio Conferences in the Chicago area for AMSAT, TAPR-DCC, the Central States VHF Society and I have been on the W9DXCC DX Convention Committee for the past dozen years.

My interests include VHF-UHF and above, HF DXing, contesting, homebrewing, and 630 Meters.

For the past 30 years I have been on staff at the Fermilab National Accelerator Laboratory in Batavia, Illinois where I am employed as a Senior Engineering Physicist. For the ten years prior I was a staff engineer and EIC at WGN-TV, Chicago. I reside in Batavia, Illinois with my XYL, Caron W9QLT.

Please see www.W9XA.com for additional information.

I would appreciate your continued support with your vote!

It's Time to Get your Upgrade!

FRRL & BARS - 2018 General Class



Ready to Upgrade? The **FRRL** and **BARS** the (**Bolingbrook Amateur Radio Society**) plan to continue their successful education collaboration and co-present another license training course. The next ARRL training class will be a **General License Class** course which Starts in September. The General Class is a **FREE - 10 week** course, to be held **Saturday** mornings from **9 AM** until **12 Noon**, at the **Golden Corral** in Aurora. Come and upgrade **NOW!**

Dates: **Sept 8, 2018 -thru- Nov 10, 2018 - *It's not too late to Join!***

When: **Saturdays — 9:00 AM until 12:00 Noon**

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

To Register for the General Class — Go To: <http://www.frll.org/education-registration.php>

Ready to give back to local Hams? Already a General or Extra... Great! Come join us to support and help the students. We need Hams interested in sharing their knowledge and skills with other hams, to be available to assist and encourage the class and maybe even to be an Elmer.

There are 9 weeks of instructed classes. Below is the List of Instructors and dates.

GENERAL CLASS - INSTRUCTOR'S SCHEDULE

CLASS # - DATE	CLASS TOPIC	CHAPTER	CALL SIGN	INSTRUCTOR'S NAME
1. Sat. Sep 8	Introduction	Ch. 1	N9TBD	Patrick Smith
2. Sat. Sep 15	Procedures & Practices	Ch. 2	W9YU	Roger Bara
3. Sat. Sep 22	Rules & Regulations	Ch. 3	W9JDM	John Miller
4. Sat. Sep 29	Radio Signals & Equipment	Ch. 5	W9STS	Dan Taddei
5. Sat. Oct 6	Digital Modes	Ch. 6	W9UEY	Ryan Schultz
6. Sat. Oct 13	Components & Circuits	Ch. 4	W9HI	Denny Barfuss
7. Sat. Oct 20	Antennas	Ch. 7	KB9BL	Dean Gearheart
8. Sat. Oct 27	Propagation	Ch. 8	AA9JS	Gary Smith
9. Sat. Nov 3	Electrical & RF Safety	Ch. 9	AE9PM	Priscilla Miller
10. Sat. Nov 10	VE Testing			FRRL & BARS VE Teams

It's NOT TOO LATE TO ATTEND—or to stop by to help!

If you want to help with the General Class in any way — Please contact:

Allen, KB9VO - Education@frll.org -or- Cyndi, K9NAX - PR@frll.org

*For more info on the **Class schedule** visit our web site: <http://www.frll.org/education.php>*



THE ILLINOIS BICENTENNIAL CHALLENGE AWARD

When: Sun Aug 26, — Mon Dec. 03, 2018

Time: 12:01 AM — 11:59 PM

In celebration of the Illinois Bicentennial, the Western Illinois Amateur Radio Club will sponsor an On-Air operating event to encourage amateur (ham) radio operators all over the world to contact hams in Illinois. The goal for each operator will be to make contact on the air with at least one participating station in each of the 102 Illinois counties. Operators who provide evidence of making contact with at least one station in each county will be awarded a certificate acknowledging the accomplishment. The WIARC will coordinate the activities of amateur stations in each Illinois county. Publishing online the operating schedule for each station.

For more information visit the IL website at:

<https://illinois200.com/events/the-illinois-bicentennial-challenge-award/>

Extra Class

E9H06

Answer - C

International Grid Chase—2018

Get in the Chase!

The ARRL International Grid Chase is underway! Join in on the newest year-long operating event!

Get in on the Chase!

The objective of the ARRL International Grid Chase is to work stations on any band (except 60 meters) in as many different Maidenhead grid squares as possible, and then upload your log data to the ARRL's Logbook of the World (LoTW).

For more information visit ARRL website:

<http://www.arrl.org/international-grid-chase-2018>



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 information)

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:

KC90EM – Owned by Kane County OEM:

KC90EM – 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:

FRRL Ten Meter Net: Monday at 8:00 pm, 28.150 MHz CW

Monday at 8:30 pm, 28.720 MHz SSB

FRRL 2 Meter Net: Tuesday at 7:30 pm, on W9CEQ (except Tues meeting nights)

ARES & Skywarn Net: Wednesday at 6:30 pm, on KC90EM 2 meter repeater

Illinois DStar Net: Wednesday at 8:00 pm, on the DStar 2 meter repeater

BARS Wkly Info Net: Thursday at 8:00 pm, on K9BAR linked 2meter/440 repeater