



ARC OVER



The Official Newsletter of the Fox River Radio League
Since 1924

Our 94rd Year in Amateur Radio!

February 2018

Revised: 2-10-18



Proud to be an ARRL
Special Service Club

Welcome the 2018 New Officers & Board of Directors

President	Dan Taddei, W9STS
Vice President	Roger Bara, W9YU
Secretary	Dave Booher, W9BOO
Treasurer	Dan Harmon, WA9YKK
Director 1	Jason Burzynski, NX9Y
Director 2	Allen Nelson, KB9VO
Director 3	Jim Nevitt, N9XP
Director 4	Lance Clarke, W9QB

Board of Director's Meeting:

Tue March 6th, 2018 @ 7:00 pm
Colonial Café—Aurora, IL

Membership Meeting:

Tue Feb.13th, 2018 @ 7:30 pm
Bethany Lutheran Church in
Batavia, IL

Next — VE Sessions:

Tue March 20th, 2018 @ 7:00 pm
Sat March 24th, 2018 @ 9:00 am

Messenger Library in
North Aurora, IL

Dues Overdue — Reminder!

Membership Renewal was due in January.

If your membership renewal slipped your mind, you'll need to:
Pay at the next FRRL membership meeting, mail a check, or use
PayPal on the FRRL website to renew your FRRL membership.

We look forward to many new fun activities this year!

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Amateur Extra Class:

The Amateur Extra Class training course has been going strong since the first class on Saturday January 20th. Class is held every Saturday, through March 24th.

It's FREE, so if you are looking to upgrade, or for just a bit of a refresher, come join us on Saturdays mornings!

When: Saturday Mornings — 9:00 am—12 noon
Through — March 24 (VE Testing)

Where: Messenger Library,
113 S. Oak Street, North Aurora, IL

For more info visit our website: <http://www.frrl.org/education.php>

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 Street in Batavia, IL. The meeting begins at 7:30 PM and includes a short business portion, social time and a program 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 member to the club!

CALL	NAME	LICENSE CLASS
KC9DMS	Lloyd Stringer	General

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 **25th day 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.

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Fox River Radio League

Founded 1924

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Batavia, Illinois 60510-0673

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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

Jason Burzynski, NX9Y
Allen Nelson, KB9VO
Jim Nevitt, Jr., N9XP
Lance Clarke, W9QB

Past President

Dennis Barfuss, W9HI

License Trustee

Kermit Carlson, W9XA

Newsletter Editor

Cyndi Gillies, K9NAX
newsletter@frrl.org

Webmaster

Chris Kennell, KC9BKS
webmaster@frrl.org

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 a year, Senior Citizen dues are \$15.00. Family dues are \$35.00. Members can help support the FRRL Repeaters by making an annual \$10.00 donation.



President's Traffic

Dan Taddei, W9STS

This is my first message to members of the Fox Radio League as President. I would like to thank you for allowing me to serve this great organization. In this role I promise to carry on the proud traditions of this club.

Next I would like to thank Denny Barfuss, W9HI for his superior leadership as club President for the last two years. We have witnessed many changes during this time and Denny shepherded us through them with grace and ease. Denny is dedication to this club and has promised to stay connected and to support the club in any way he can or we ask.

I would also like to recognize Dean Holste, KC9EOQ as he retires as the clubs treasurer after serving 7 terms. He has provided a measure of continuity over the years. He also provided the Board the historical perspective of many issues that they had to attack. Thank you Dean.

As I look forward to the upcoming year I get excited. I am planning on making my first pilgrimage to Hamvention this year. It would be great to team up with other club members that will be going. Let me know if you are going.

This year the ARRL Field day will be June 23-24. The club is planning this as a major event. I would like to invite all members to come out and check it out. Dan Harmon WA9YKK is the Field Day Chair. He will be providing updates as the date approaches.

The club is currently conducting the Amateur Extra classes on Saturday morning. We expect to follow up with a Technician class this summer and a General Class in the fall. These classes are very important to the growth of our hobby. If you can help teach a class or want to upgrade contact Allen Nelson, KB9VO.

This summer we will be conducting outreach programs at the local farmers markets. We are looking for volunteers to operate at the markets and also for club members to work the outreach stations.

Finally the cornerstone of the clubs activities is the education program following our club meetings. Jason Burzynski, NX9Y is building these programs and is always looking for new and exciting programs to present to you. If you want a topic, know a speaker, or want to present let Jason know. I know I really look forward to these programs.

I look forward to seeing you at the membership meeting on February 13th. In the mean time get on the radio and make a contact.

MS Walk

IL QSO Party

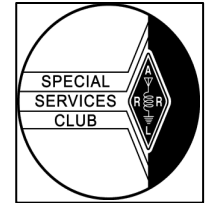
And be ready for other fun on demand events. If you have an idea let us know.

73,

Dan Taddei, W9STS
President, Fox River Radio League



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, 2018

At 18:45 CST, Reverend Steven Srock, Senior Pastor of Bethany Lutheran Church, led a prayer before the banquet dinner. A catered buffet then followed. The business portion of the meeting was called to order at 19:57 CST by President Denny, W9HI. Audience introductions: Name, Call, QTH and: "It is a new year and we would like to know what activities you would participate in at our meetings and at special weekend meetings".

Approval of December 2017 Member Meeting minutes: Motion to approve by Tom, WD9DAU seconded by Jim, N9XP. Members approved the motion.

There were 46 members present at this meeting.

Treasurer's Report, Dean, KC9EOQ

Dean reported the account balances as of 12/31/2017.

Program, Jason, NX9Y

The presentation from Michael Walker, Flex Radio, has been moved to March. Jason will take ideas for a schedule for February.

Education, Allen, KB9VO

The first Extra class has been scheduled for Jan 20th. Allen encourages all to come. Classes are at North Aurora Messenger Library. There are currently 10 people on the list to attend the class.

Net, Dave, N9XU

2m Net is every Tuesday at 7:30. There were 21 check ins last week. More control operators are always needed, contact Dave for details.

VE (Volunteer Examiner) Testing, Paul, AC9BS

Paul gave his appreciation to all the VE Examiners.

The next VE session will be Tuesday, January 16th at the Messenger Library, North Aurora from 7PM to 9PM. The testing fee is \$15.00. Bring a copy of your current license if upgrading.

Membership, Chris, KC9BKS

Chris reported a total of 161 active members.

ARES, Debby, WX9VOR

Debby was not present for this meeting. Visit the website at <http://kanecountyares.org> or see Debby for further details on any event happening with ARES.

Old Business: NONE

New Business:

Banquet and Recognition

The annual member banquet has been incorporated into tonight's member meeting. Past and present officers were introduced. A review of the club's past events and those responsible for them was presented. Dan, WA9YKK thanked all people who assisted with Field Day, MS Walk, Hamfest, Outreach, Solar Eclipse the Illinois QSO Party.

New Officers and Board Members:

President: Dan, W9STS

Vice-President: Roger, W9YU

Secretary: David, W9BOO

Treasurer: Dan, WA9YKK

Board Members:

Jim N9XP, Lance, W9QB,

Jason NX9Y, Allen, KB9VO.

ArcOver Editor

Cyndi, K9NAX was introduced as the new ArcOver editor.

Facebook Moderator

Cyndi, K9NAX will now manage the Facebook pages.

Public Relations

Cyndi, K9NAX has also volunteered to step in to Public Relations role.

Roster Editor

Lance, W9QB has volunteered to work with Chris, KC9BKS to be the Editor for the Club Roster.

Upcoming Events

January 16th VE Session

January 20th EXTRA Class – Saturdays, 9am-12pm until March 24th – Messenger Library, North Aurora

January 21st WCRA Hamfest – Kane County Fairgrounds

February 6th FRRL Board Meeting

February 13th FRRL Member Meeting

Announcements

Eric, K9LGE made an announcement for the American Red Cross. Eric encourages everyone to donate blood during the Chicago Blood Drive.

Adjournment

Ken, N9WCX and Marty, N9NTM motioned the meeting be adjourned, seconded by Marty, N9NTM. Denny, W9HI declared the meeting adjourned at 20:52 CST.

Respectfully submitted,
David Booher, W9BOO
FRRL Secretary

FRRL 2018 — Upcoming Events Calendar:

- Tue Feb 6** — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL
- Sat Feb 10** — Extra Class — 9:00 am-12 pm @ Messenger Library in North Aurora, IL
- Tue Feb 13** — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL
- Sat Feb 17** — Extra Class
- Sat Feb 24** — Extra Class
- Sat Mar 3** — Extra Class
- Tue Mar 6** — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL
- Sat Mar 10** — Extra Class
- Tue Mar 13** — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia
- Sat Mar 17** — Extra Class
- Tue Mar 20** — VE Test Session — 7:00 pm @ Messenger Library in North Aurora, IL
- Sat Mar 24** — Extra Class — VE Test Session — 9:00 am — Last Class session, North Aurora, IL
- Tue Apr 3** — Board of Director's Meeting — 7:00 pm @ Colonial Café in Aurora, IL
- Tue Apr 10** — General Membership Meeting — 7:30 pm @ Bethany Luther Church in Batavia, IL

Mark Your Calendar — Future Events:

2018 Field Day — Sat June 23 - Sun June 24

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

In Radio News....

3YØZ Bouvet Island DXpedition Aborted over Safety Concerns

The 3Y0Z Bouvet Island DXpedition website still invites visitors to "Follow Our Story Here." But that story took a disappointing turn on February 3, when the long-anticipated and costly DXpedition was abruptly aborted -- even as the *Betanzos*, the vessel that had transported the DXpedition team from Chile, sat at anchor in full view of the remote South Atlantic island where they'd hoped to operate. The DXpedition team had arrived just a couple of days earlier and was awaiting the opportunity to transport the team and equipment to the island by helicopter.



"During the last 72 hours, we continued to experience the high winds, low clouds, fog, and rough seas that have prevented helicopter operations since our arrival at Bouvet," a February 3 announcement on the DXpedition's website said. "No improvement was predicted in the weather forecast for the next 4 days. Then, last night, an issue developed in one of the ship's engines. This morning, the captain of the vessel declared it unsafe to continue with our project and aborted the DXpedition. We are now on our long voyage back to Punta Arenas [Chile]. As you might imagine, the team is deeply disappointed, but safe. There is already talk about rescheduling the DXpedition."

On February 5, the team co-leaders -- Bob Allphin, K4UEE; Ralph Fedor, K0IR, and Erling Wiig, LA6VM -- announced a change in itinerary, saying, "Our captain has decided that it is in the best interest of safety and expediency to proceed directly to Capetown, South Africa, rather than Punta Arenas, Chile. We are now heading north to avoid the possibility of encountering ice." Most of the team members were reported "resting in their bunks and in good spirits."

A little later that same day, Fedor reported that the *Betanzos* had passed through some ice but that the seas then cleared. He said the voyage was "considerably smoother" than earlier in the day.

"We are, of course, very, very disappointed," Fedor said. "We are slowed, but safe."

The cost of the 3Y0Z DXpedition approached \$750,000, about half of that coming from the 20 team members -- top operators from several nations, with considerable DXpedition experience. In the planning stages for 2 years, the DXpedition had attracted contributions large and small from clubs and individuals around the world -- including \$100,000 from the Northern California DX Foundation -- its largest grant ever -- as well as an ARRL Colvin Award and a Yasmé Foundation grant.



Co-Leader Ralph Fedor, K0IR, looks out at Bouvet Island from the *Betanzos*.

A dependency of Norway, Bouvet is the third most-wanted DXCC entity.

The last Bouvet activation was 3Y0E, over the winter of 2007-2008.

D-STAR — Soyuz Rocket Launched

A Soyuz rocket launched [D-STAR ONE Phoenix](#) -- The first D-STAR Communication Spacecraft -- and 10 other satellites on February 1 from Russia's Vostochny Cosmodrome. Developed by German Orbital Systems in Berlin in cooperation with the Czech company I-Sky Technologies, D-STAR ONE Phoenix carries an [Amateur Radio relay payload](#) (call sign DP1GOS).



It replaces the D-STAR ONE nanosatellite that failed to attain orbit following a November Soyuz launch from Vostochny. Downlink frequencies are 435.700 MHz for telemetry and 435.525 MHz for D-STAR. The uplink is 437.325 MHz. D-STAR ONE Phoenix is a 3U CubeSat equipped with four identical radio modules with D-STAR capability, operating in half-duplex mode with a power output of 800 mW. The two telemetry and telecommand modules both receive, and both in sequence, so each telemetry frame is repeated. The other two modules are dedicated to Amateur Radio, although only one will operate at a time. The modules are configured to work as D-STAR repeaters, so they retransmit received D-STAR frames on the downlink frequency. They also have a D-STAR voice beacon. -- Thanks to AMSAT News Service, D-Star ONE

ARRL Upcoming Contests

NEW HF OPERATORS - THINGS TO DO



The 'big' contests over the next two weeks include the 48-hour [CQ RTTY WPX](#) contest, and the [ARRL International DX CW](#) contest.

The CQ RTTY WPX contest offers the chance to work a lot of stations and earn high scores since call sign prefixes are multipliers. That's one of the aspects that make the WPX contests so popular. Another is the wide range of choices for operating conditions - there are even three choices for multi-operator! Make sure you read the rules carefully, as different band change rules and operating hour restrictions apply based on entry category. Take advantage of the ROOKIE or TB-WIRES single operator overlay categories if you qualify, so that you're competing against your peers.

The ARRL International DX CW Contest is coming up the weekend of February 17. This contest was first held in 1927. DX stations work continental US states and Canadian provinces and territories. Hawaii, Alaska, St. Paul Island and Sable Island are DX for the purposes of this contest. The 48-hour contest includes multiple single op and multi-op categories. One can even choose to submit a Single Operator Single Band (SOSB) entry. Ten meters may not be a good choice for SOSB this year.

If you're on the air February 12 to 16, hand out a few contacts to the schools competing in the [ARRL School Club Roundup](#). Schools for elementary age on up will be on the air. Should you come across KD8NOM, N4SMS, K9SOU, W8EDU, KR8ZE, or DL0ESA, congratulate them for their category wins in the October 2017 contest. Second thought, better not. Just give them the exchange, since it's all about the rate.

Contest Summary Dates: 8 Feb - 21 Feb 2018



ARRL — School Club Roundup

ARRL School Club Roundup

Winter / Spring Term:

February 12—16, 2018



Objective: To exchange QSO information with club stations that are part of an elementary, middle, high school or college. Non-school clubs and individuals are encouraged to participate.

Sponsored by the ARRL, its Hudson Division Education Task Force and the Long Island Mobile Amateur Radio Club (LIMARC) to foster contacts with and among school radio clubs.

Award certificates will be issued for the following US and DX categories:

Schools: Elementary, Middle/Intermediate/Junior High School, High School and College/University

Non-school Clubs

Individuals

Web Submission of Scores and Logs: Click [here](#) for the SCR score entry website. Scores and logs for any School Club Roundup may be entered from the time the contest begins through the log submission deadline published below. A logs-received page is also maintained and provisional scores will be published immediately following the log submission deadline. Thanks to WA7BNM for creating this new score reporting and publishing web site.

Multipliers: Note that a station can *only* count for a single multiplier as described in Rule 5 below. i.e. a contact may count for a "School" or a "Club" but not both. A "school club" counts as a "school" only. Contacts submitted claiming both multipliers will be scored according to the log submitted by the station contacted.

Post Photos and Stories: One of the best parts of School Club Roundup is showing off your team members and station. Other participants will enjoy hearing about how you did and reading the story of your contest. You can upload photos and text via the [ARRL Soapbox](#) web page.

Stay updated on SCR. Send an email to: SCR-L-subscribe@yahogroups.com.

ARRL NEWS



ARRL Comments on...

Technological Advisory Council Spectrum Policy Recommendations

In comments to the FCC on a series of Technological Advisory Council (TAC) spectrum management policy recommendations, ARRL said that while some of the Council's recommendations are valid, it would be "highly inappropriate" to generalize about applying them broadly in all radio services. The comments, filed on January 31, were in response to a December 1, 2017, *Public Notice* in ET Docket No. 17-340. ARRL took the opportunity to strongly urge the FCC to reinstate a 2016 TAC noise floor study, which, ARRL asserted, apparently was terminated before it even got started.

"Indeed, it is difficult to imagine how the Commission can now...suggest the adoption of specific spectrum management principles, incorporating such concepts as receiver immunity, HCTs [harm claim thresholds], and interference temperature determinations without having...a firm grasp on ambient noise levels in basic RF environments and geographical areas," the League told the FCC.

ARRL reiterated its encouragement for the FCC to incorporate receiver performance specifications into US spectrum policy on a broader basis. "ARRL accepts...that increased spectrum user density is the inevitable result of new wireless services," the League said. "Given that this intensification of the use of the radio spectrum will necessitate new overlays of dissimilar radio services...in increasingly shared spectrum, it is necessary to depart from the traditional regulatory model that the Commission has utilized for spectrum allocations."

That model, ARRL said, has, almost without exception, placed limits only on transmitters, while the inability of some receivers to reject out-of-band signals "constrains new allocations in adjacent bands." This calls for what ARRL called "a 'holistic' approach to transmitter and receiver performance."

"Requiring better performance from receivers or RF-susceptible devices is a valid, reasonable, and long overdue requirement," ARRL said, "but the major goal of doing so should be to prevent instances of interference, not solely to allow the overlay of otherwise incompatible sharing partners in deployed spectrum to the detriment of incumbents."

ARRL argued, however, that the Amateur Service should not be subject to receiver immunity standards, because licensees employ a wide range of propagation, emissions, bandwidths, power levels, receivers, and antennas, making any receiver performance standards arbitrary and compromising the Service's experimental nature. They also are able to differentiate between interference from nearby spurious or out-of-band signals and that caused by receiver deficiencies. The HCT concept does not fit the Amateur Service particularly well, either, the League said; any interference hams suffer from each other is resolved cooperatively. Brute-force overload also occurs occasionally but is resolved by licensees without FCC intervention.

"Receiver immunity is not an intra-service issue in the Amateur Service," ARRL said. "The issue...is, rather, protection from spurious and out-of-band emissions from other services."

Continued—Next Page...

ARRL said that while the TAC's allocation principles include over-generalizations, the Council is "very much on the right track" with such concepts as receiver immunity standards for certain radio services and, especially, for consumer electronics "and the initiation of necessary and urgent programs, such as interference-hunting teams, to supplement the Commission's meager enforcement resources." ARRL said it looks forward to working with the FCC in developing an interference-tracking corps.

ARRL also supported the creation of a public database of past radio-related enforcement activities. "Given the very limited, and, recently, severely diminished, availability of [FCC] field enforcement resources, it is urgent to publicize those enforcement actions that pertain to intentional or harmful interference in order to maximize the deterrence value of each one," ARRL said. The longer a licensee gets away with violating the rules without visible FCC sanction, ARRL explained, the more the violator is encouraged to continue the behavior, which others may then imitate. What little FCC enforcement *is* necessary must be timely and visible, ARRL said.

ARRL returned, however, to its assertion that adopting any next-generation spectrum management techniques such as those the TAC recommends, "presupposes the existence of a knowledge database regarding ambient noise levels in certain environments. Sadly, that information does not exist, and it won't anytime soon," ARRL said, because the FCC took the TAC off the noise study project.

"That, in ARRL's view, is a big mistake," the League contended. "No system of spectrum management incorporating [harm claim thresholds] and receiver immunity levels can be accurately implemented" without the noise study data.

"That study is more important now than ever before," ARRL concluded, "and it is increasingly urgent as a prerequisite for any new spectrum management policies." -end-

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

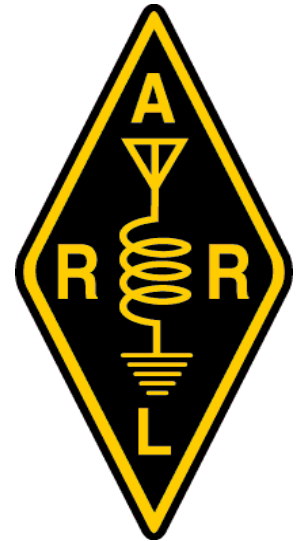
www.dailydx.com

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 +600KHz Offset, 103.5 PL

W9CEQ – 444.300 MHz +5 MHz Offset, 114.8 PL (IRLP Node # 4850) (Echolink # 230933)

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:

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)

– 145.270 -600 KHz 107.2 PL

– 443.025 +5 MHz 114.8 PL

W9XA – 6 meter:

Input: 52.210 Output: 53.910 Carrier Access FM (W9XA 6-meter repeater)

W9ZGP – NIARC:

– 147.060 +600 KHz, 103.5 PL

Weekly Nets:

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 Evening at 7:30 pm

ARES & Skywarn Net: Wednesday Evening at 6:30 pm on KC9OEM 2 meter repeater

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