



ARC OVER

The Official Newsletter of the Fox River Radio League
Since 1924



July 2013



Proud to be an ARRL
Special Services Club

2013 Hamfest



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July 14th

See Page Three for all the Details

About the FRRL

The Fox River Radio League, Inc., is a general interest amateur radio club serving the central Fox River Valley area. Records indicate the club has been in existence since at least 1924, and 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 IRS Statutes. We sponsor training classes for new hams, license examination sessions, an annual hamfest, and participate in various public service events. If you have a specialized amateur radio interest, chances are you can share it with one or more of our club members.

The Fox River Radio League meets on the 2nd Tuesday of every month at St. Rita of Cascia Church in Aurora. The meeting begins at 7:30 PM and includes a business portion, social time and a program of interest.

All persons interested in amateur radio are invited to attend. Families are welcome.

Please welcome our new member to the club!

CALL	Name	License Class
KC9SNI	Ronald Jahr	Amateur Extra

ArcOver FRRL Newsletter

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The ArcOver is published monthly by the Fox River Radio League, Inc. Articles and letters are always welcome. The normal deadline for material is the 25th day of each month for the next month's newsletter. Articles can be sent by email to: arccover@frrl.org or via U.S.

Mail to: FRRL Newsletter PO Box 673 Batavia, IL 60510.

Contact the Editor for details and submission guidelines.

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Fox River Radio League
Founded 1924

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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 \$20.00 a year, Senior Citizen dues are \$12.00. Family dues are \$30.00. Members can help support the FRRL Repeaters by making an annual \$10.00 donation.

Mark Your Calendar for FRRL's Hamfest on July 14th!

The summer fun just keeps on coming! Right on the heels of a very successful Field Day event, FRRL will host its annual Hamfest on July 14th at Aurora Central Catholic High School. Doors open at 8 a.m. and the morning will offer opportunities to shop, learn, and enjoy the company of fellow hams.

As always, Hamfest will feature an indoor vendor area as well as the outdoor flea market. A few tables are still available for those wishing to sell in a sheltered environment, out of the sun. Confirmed vendors as of June include Amateur Accessories, Dit and Dash, RF Adaptor Guy, American Science and Surplus, and Gold Medal Ideas. The main floor will also host a number of radio-related organizations, including ARRL, ARISS, ARES, and the National Weather Service.

Informational seminars will begin at 9 a.m. Topics this year include preparing for licensing tests, a primer on working with the QSL bureau, tower and antenna maintenance, and more.

There are still many opportunities for those who wish to get involved, including ticket takers at the gate; set-up crew on Saturday from 5 to 8 p.m. or Sunday from 6 to 8 a.m.; clean-up crew immediately after the event; and Ask the Elmer booth staffing. We also have time for two more half-hour seminars, so if you would like to share your experience in a particular area, please let me know. To volunteer or for more information, email me at KC9LQS [at] yahoo [dot] com.

Dean KC9EOQ and I will be available to accept ticket payments at the July FRRL meeting on the 10th, and at the club table the day of the event. Thank you in advance for your support!

de Dawn KC9LQS

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See page nine for the clues

Bill Erikson HF Challenge

By Dawn Williams, KC9LQS

Challenge participants reported less on-air activity than usual as of June 15th. For some, like Dick AH6EZ, other commitments limited their time in the shack. Others found the bands less cooperative than in previous months. Still, mid-June reporting brought some highlights. Larry K9ARZ reported two new contacts with FJ/N5WR St. Barthelemy and OJ-VM Market Reef. Like Jack K9JE, Larry is just one contact away from the DXCC honor roll. We'll be watching for the good news when Jack and Larry report those coveted QSOs.

More good news came in June from Warren K9IH, Dean KC9EOQ, and Bill NF9D. All three operators officially joined this year's Challenge when they sent in their year-to-date results last month. Welcome, Warren, Dean and Bill!

The second half of this year's HF Challenge began July 1st. Joe NA9A wanted to clarify the reason and methodology behind splitting the competition into two parts, for those who are still not clear on how it works.

"The purpose of the Challenge is to give us another reason to stay active and get on the air," he writes. "But because so many worked most of the available countries, states and provinces by mid-year, the incentive for them to get on the air was no longer there. The division in mid-year is to allow everyone to work again those same available countries, states and provinces they might have worked in the first half of the year. Your total for the year will be the total points from both worksheets."

If you didn't report scores during the first half of the year but would like to participate during the second half, contact Joe NA9A and ask that he send you a worksheet, or send an email to challenge [at] frri [dot] org.

Limited Class	States	Provinces	DX Coun-	Total
Paul KC9UZV	48	7	25	80
Jim W9NJP	25	3	17	45
Paul KC9SEB	43	4	34	81
Warren K9IH	24	3	36	63

Operator Class	States	Provinces	DX Coun-	Total
John W8ACI	17	3	31	51
Tobi K9TCD	25	4	50	79
Tom WB9CHY	7	1	55	63
Jack K9JE	46	8	127	181
Herb W9DTR	50	10	93	153
Dean KC9EOQ	31	3	55	89
Bill NF9D	21	0	11	32

QRO Class	States	Provinces	DX Coun-	Total
Joe NA9A	46	6	216	268
Gary K9MMS	50	10	176	236
Dick AH6EZ	50	13	188	251
Larry K9ARZ	50	13	243	306

Ragchew Class	States/Provinces	DX	Total
Dick AH6EZ/W9	17	7	24
Jim W9NJP	17	1	18
John W8ACI	9	1	10
Paul KC9UZV	35	2	37
Herb W9DTR			18
Joe NA9A	5	3	8
Warren K9IH	19	5	24

UPCOMING EVENTS

Board of Director's Meeting

July 2, 2013 @7:30pm
St. Rita's Office Annex

Membership Meeting

June 9, 2013 @ 7:30pm
St. Rita's Church

Hamfests

- 07/14/2013 |

FRRL Hamfest

Location: Aurora, IL
Type: ARRL
Hamfest Sponsor: Fox River
Radio League
Website: <http://frrl.org>

- 07/21/2013 |

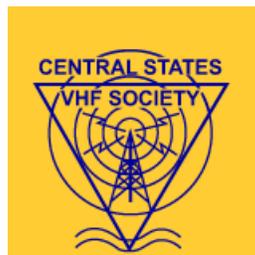
KARSFEST

Location: Peotone, IL
Type: ARRL Hamfest
Sponsor: Kankakee Area Radio
Society
Website: [http://w9az.com/
karsfest.html](http://w9az.com/karsfest.html)

- 08/04/2013 |

Hamfesters Radio Club HAMFEST

Location: Peotone, IL
Type: ARRL Hamfest
Sponsor: Hamfesters Radio
Club
Website: [http://
hamfesters.org](http://hamfesters.org)



Online registration for the 2013 [Central States VHF Society Conference](#) is now open. The 2013 Conference will be held near Chicago at the Elk Grove Village, IL, Holiday Inn from Thursday July 25th until Sunday July 28. There will be Antenna Range (144 MHz-24 GHz) measurements, Rover Row, Dish Display, and a Noise Figure Measurement Contest. This year will see the return of the free-admission "VHF-101" introductory session on Saturday morning.

The banquet speaker will be ARRL CEO, Dave Sumner K1ZZ.



We are ready to take reservations!

The W9DXCC website, www.w9dxcc.com has been updated with all info currently known for W9DXCC 2013 - Sept 20-21.

Please take a look at:

- Program loaded with SMC: (K9CT for NH8S and 3D2C, WB9Z for a pre view of FT5ZM, and Eric K9GY/T6MO)
- SMC Reception on Friday evening
- Banquet speaker Nobel Prize winner Joe Taylor K1JT, of WSJT fame
- Class schedule for DX University Part 2
- Grand prize FT DX 3000 courtesy of Yaesu
- Registration for the convention and banquet
- Reserving a room at the Holiday Inn

The [W9DXCC convention](#) committee has announced it will offer a six session class on Friday, September 20th, 2013, to help inform all hams interested in DX'ing" about general topics of interest to the DX community. The class will be held the day before the W9DXCC convention and has been designed for both new and experienced DX'ers. Each session will cover a different aspect of DX'ing and features speakers NN1N, K9LA, K9AJ, K9EL, K9NU and W9MU. Please contact [W9MU](#) for additional details and information.

STUDY QUESTIONS OF THE MONTH

FROM THE TECHNICIAN POOL

Q: T1E08 (C) [97.3(a)]

What type of control is being used for a repeater when the control operator is not present at a control point?

- A:** A. Local control
- B. Remote control
- C. Automatic control
- D. Unattended

FROM THE GENERAL POOL

Q: G1E09 (C) [97.119(b)(2)]

What language must you use when identifying your station if you are using a language other than English in making a contact using phone emission?

- A:** A. The language being used for the contact
- B. Any language if the US has a third party agreement with that country
- C. English
- D. Any language of a country that is a member of the ITU

FROM THE EXTRA POOL

Q: E1C09 (D) [97.205]

Which of these frequencies are available for an automatically controlled repeater operating below 30 MHz?

- A:** A. 18.110 - 18.168 MHz
- B. 24.940 - 24.990 MHz
- C. 10.100 - 10.150 MHz
- D. 29.500 - 29.700 MHz

President's Traffic

Harry Jones, K9DXA

I just returned from our annual Field Day. It sure was a lot of fun this year. We had eight separate stations set up to simulate aspects of an emergency situation. I noticed a few things that made Field Day particularly special.

The youngsters and the relatively newcomers were more noticeable and involved. Randolph W9HE's Grandson kept after me to let him shoot the pneumatic cannon (spud gun) as I was launching lines over tree limbs to set up my 80/15M parallel dipole. The young lad couldn't get enough "shots" and became comfortable using the launcher. I hope he pushes his Grandfather into getting him into Amateur Radio. I hope next year these people will continue to come out and keep that spirit alive.

There were some 'old hands' putting in some time to show the new crowd how it's done.

Jackie N9ASL arranged for terrific meals Saturday and Sunday. I watched the clock and listened for the call. No way would I miss one of those meals. And 'all night chili' too! We went to Jericho Park for some great eats and a Field Day erupted!

I managed to attract a few top notch CW operators to help out. I think they wandered to the other CW stations as well. What a bunch! I arranged to optionally use the logging program to key the rig for each part of the QSO. Let's see, was that F2 or F3? After a while I got bored and put the paddles through the paces.

In keeping with the Sunday morning tradition, I worked W1AW on 15M again this year.

There were always a few people hanging around the pavilion for an extended eyeball QSO; which is a great way to catch up on friendships and find out what's happening.

GOTA was quite active throughout the weekend. Guest operators were often lined up to have a turn at the mic. And 20M, 40M, and 75/15M phone was also quite active for the whole weekend. Much more fun than working CW.

I noticed their share of guest operators working CW/Phone VHF/UHF as well.

It was neat to see some VHF operators get their feet wet working HF. That was a neat way to broaden the Amateur Radio experience.

It is politically correct to say that Field Day is an emergency simulation exercise and a demo for the public. That it is. But I did notice operators making an effort grinding out lots of QSOs to raise the scores. So maybe Field Day is also an operating practice activity to be more proficient in working contests? And contest proficiency also helps emergency communication proficiency, eh?

Whatever you put into and got out of Field Day, spend as much of the next 350 some odd days getting on the air!

<dit> <dit>

UPCOMING CONTESTS

July & August 2013

Date	Contest	Web Page
Jul 4, 2300Z	MI QRP CW Sprint	http://www.qsl.net/miqrclub/contest.html
Jul 13, 0000Z	FISTS summer Sprint	http://www.fists.org/sprints.html
Jul 13, 1200Z	SKCC Weekend Sprintathon	http://www.skccgroup.com/operating_activities/weekend_sprintathon/
Jul 13, 1200Z	IARU HF World Championship	http://www.arrl.org/iaru-hf-championship
Jul 18, 0030Z-0230Z	NAQCC Straight Key/Bug Sprint	http://naqcc.info/sprint201312mw.html
Jul 20, 1600Z-1800Z	Feld Hell Sprint	https://sites.google.com/site/feldhellclub/Home/contests/sprint-rules
Jul 20, 1800Z	CQ Worldwide VHF Contest	http://www.cqww-vhf.com/rules.htm
Jul 20, 1800Z	North American QSO Party, RTTY	http://www.ncjweb.com/naqprules.php
Jul 22, 0100Z-0300Z	Run for the Bacon QRP Contest	http://fpqrp.org/pigrun/
Jul 24 1200Z	SKCC Sprint	http://www.skccgroup.com/sprint/sks
Jul 27, 1400Z-2400Z	US Counties QSO Party	http://marac.org/contests.htm
Jul 27, 1600Z	New Jersey QSO Party	http://www.k2td-bcrc.org/njqp/njqp_rules.html

Date	Contest	Web Page
Aug 2, 0230Z-0300Z	NCCC Sprint Ladder	http://www.ncccsprint.com/rules.html
Aug 3, 0000Z-2400Z	TARA Grid Dip Shindig	http://www.n2ty.org/seasons/tara_grid_rules.html
Aug 3, 0001Z	10-10 Int. Summer Contest, SSB	http://www.ten-ten.org/Forms/QSO%20Party%20Rules.pdf
Aug 3, 1800Z	ARRL August UHF Contest	http://www.arrl.org/august-uhf
Aug 3, 1800Z	North American QSO Party, CW	http://www.ncjweb.com/naqprules.php



Kane County ARES®

Kane County ARES News

Bill Muhr, NF9D Kane County ARES Emergency Coordinator

Kane County ARES (Amateur Radio Emergency Service), is a group of amateur radio operator volunteers who provide emergency communication for the communities of Kane County, IL and surrounding counties when called upon. All licensed amateurs are welcome to join.

We hold monthly meetings at 7 pm on the fourth Thursday of the month at the St. Charles EOC conference room at 112 North Riverside, St. Charles, IL. Our schedule at these meetings includes training on various aspects of emergency communications, weather spotting and reporting, and general amateur radio topics.

Anyone interested in joining Kane County ARES should contact Bill Muhr, NF9D, the ARES Emergency Coordinator for Kane County. He can be reached by email at nf9d@arrl.net.

ARES units are also active in other northern Illinois counties. You can find more information about ARES and public service opportunities on the ARRL website, arrl.org.



Kendall County ARES® is a part of the structure of the [American Radio Relay League's](#) emergency communications organization called the [Amateur Radio Emergency Service](#)®.

Kendall Co. ARES® members are trained in emergency communication and weather-spotting. We are an integral part of the [SKYWARN](#) weather spotting program of the [National Weather Service](#). The Kendall Co. ARES® runs a local net and relays reportable information to the National Weather Service.

Kendall County ARES® Staff:

Emergency Coordinator: Dirk Wolgast, W9QA (w9qa@arrl.net)

Assistant Emergency Coordinator: Chris Kennell, KC9BKS (kc9bks@arrl.net)

NETS: Nets are held weekly at 8:00 PM on Wednesday nights on the Yorkville, IL ARES Repeater (complements of N9FNS). There are no NETS on meeting nights.

The frequency is 147.375 MHz FM, +60Khz with a 103.5 Hz PL.

MEETINGS: Kendall County ARES® meets monthly on the fourth Wednesday of each month at 7:30 PM. Meetings are held at the Panera Bread Cafe in Yorkville. The location is about one block South of Hwy 34 on Hwy 47 on the East side of Hwy 47.

Across Clues

3. I'm Changing Frequency
6. Indicating Device
8. Full-Wave Rectifier
10. Transistor Type
14. Switzerland
16. Station on the Go
17. Dodecanese
19. Before SSB
20. Controlled by the Gate
21. Fixed Negative Voltage
22. Diode that Emits Light
23. Teleprinter Element
24. Boob Tube
28. Pace Of Doing Work
30. Discharges a Capacitor
32. May be Positive or Negative
33. To Stop Sending
34. Voice Device
35. Bolivia
36. Produces a Sinewave
37. For Constant Voltage
38. Spain
39. Germany
40. Closed Repeater
41. Forms a Battery
43. Circuit on a Chip
44. China
45. Wales

Down Clues

1. VHF Modulation
2. Hand-Held Station
3. Troubled by Static
4. End of Transmission
5. Directional Antenna
7. Liberia
8. Antenna Matching Device
9. ARRL Award
11. Phase Modulation
12. Minimum Current
13. Gain of 9db. over AM
15. Transistor Element
18. Product of SSTV
20. Teleprinter Element
24. Three Element Tube
25. Female Amateur
26. Relative Power Unit
27. Unit of Inductance
29. Measurements of Power
30. Isolates Two Stages
31. Pulsations of a Rectifier
33. Has Square Elements
37. New Zealand
39. Current in One Direction
40. Brazil
41. Telegraphy
42. Argentina



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 St. Rita of Cascia, Aurora, IL

June 11, 2013

by Secretary – Mike Urso, K9FE

The meeting was called to order at 7:34 PM by President Harry K9DXA.

Question of the Month Will you attend or help the FRRL Hamfest? About a 60/40 split Y/N

Reports:

Minutes, Meeting Minutes Moved Bill NF9D, Seconded Larry W9OKI, Motion carried

Treasurer, Report read at the meeting. Moved: Marty N9NTM, Seconded: Bill KC9UTT, Motion carried

Program, Dick AH6EZ experience as a Dayton Seller. Denny W9HI on Field Day

Field Day, Denny W9HI, Field Day June 22&23 – Introduced Band Captains and urged them to get their operators in line. Jackie N9ASL, Providing food. Stations located in a common area for ease of visitor access.

Some will meet at June 21 at 11am at the storage locker, 1pm for setup at the Jericho Lake site. USB keys purchased last year will be used for final log files in ADIF. N3FJP version 4 to be used.

Hamfest, Dawn KC9LQS, sign up to help and she is in need of speakers with topics. E-mail Dawn with your ideas.

ARES, Bill NF9D, Next meeting Thursday June 27.

Old Business:

A recap of Budget Performance to Date:

Area	Budget	Actual
Field Day	1200	970
Roster	400	438
Holiday Party	500	0
Banquet	800	500
Storage	1200	684

Kermit has offered to store items. Will be after Hamfest and inventory.

New Business:

Repeater, Paul W9DWP, Reports intentional QRM cases during Tour De Cure. Has happened at other times. He will investigate further.

Will we be able to continue meeting at St Rita’s Church? As of yet no head priest has been put in place.

Announcements:

Gary Hornbuckle’s Grandson has been awarded the top ARRL Scholarship.

Raffle Chris KC9IEQ, QSL Bureau Jack K9JE, Cougars Tickets Ken W9WCX July 19 \$10/ticket

Hamfest at DuPage Fairgrounds June 16.

Kermit W9XA Announced the Central States VHF Convention July 25-28, Keynote Dave Sumner K1ZZ Expecting 200-220 people, Friday the antenna range will be open. Info at CSVHS.org

Adjourn 8:25 PM Moved: Larry W9OKI, Second: Paul AC9BS

IMPORTANT AMATUER RADIO WEB PAGE LINKS

www.frrl.org
www.arrl.org
www.colpage.org
www.qrz.com
www.eham.net
www.twit.tv/hn
www.dxspots.com



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)

KC9OEM—444.525 MHz +5 MHz, 114.8 PL

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

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

W9ZGP—NIARC:
147.060 +600 KHz, 103.5 PL

Weekly Nets:

FRRL 2 Meter Net: Tuesday Evening at 7:30 pm

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

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

Ten Meter Net: Monday at 8:00pm 28.150 MHz CW
Monday at 8:30pm 28.720 MHz SSB