

P.O. Box 2346 Appleton, Wisconsin 54912

April/May 2023

Volume 37, Issue 4 March/April 2023 Issue

www.fcarc.club

2022 "Ham of the Year" Joel Kasper, WI4WD

Inside this issue:

Ham Shack References	3
American Cancer Society Sole Burner	4
Field Day & EAA Special Events Station	5
Update From the Club Strategic Planning Team	6-7
FCARC Lending Library Catalog	8
VE Testing Schedule	9
Updated Wisconsin Hamfest Schedule	9
Trivia & Puzzles	10-11
Calendars & Meeting Attendance	13-18

VOTE

2023/2024



Page

The Fox Cities Amateur Radio Club (FCARC) is now accepting nominations for the following Executive Officer positions:

Election of Officers

President Secretary Membership Coordinator 3 Members at Large

For more information about our election process or the roles and responsibilities of the executive officers, see our club bylaws posted on our website at fcarc.club.

General Membership Meeting Special Programs Schedule

May Antennas for small lots and restricted spaces



BURNER

Saturday, May 13, 2023

FCARC will be providing communication support and coordination for the 2023 race. See the article on page 4 for more details on this event.

FCARC Officers

- President— Mike Moore (WI9MMM)
- Vice-President— Andy Lawton (AJ9L)
- Treasurer— Donna Mendyke (KC9THF)
- Secretary— Gene Wall (KE8KWF)
- Membership Coord— Gary Hoehne (KB9AIT)
- Technical Director— Larry Peterson (WA9TT)

Members At Large

- Joel Kasper (WI4WD)
- Jon Oldenburg (AB9AH)
- KC Ross (KG9JP)

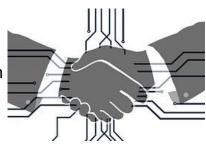


FCARC welcomes your donations in support of our mission to serve amateur radio. As a 501(c)(3) organization, your donations are tax-deductible. You can go to the FCARC website and click on the "Donate" button.



Have you met someone interested in Amateur Radio or is already a HAM and would like to join a club? If so, bring them to our next general

membership meeting and/or have them fill out an application online. Dues are \$20 per year. Share the newsletter with them to inform them of the club calendar and announcements for





If you have an item, rig, QSL card, or anything related to Amateur Radio and want to share it with club members, bring it to the club meeting for

SHOW AND TELL.

A 2-3 minute section put into the agenda for fellow hams to share items they find useful or promotes Amateur Radio.

GOT QUESTIONS? CALL our Google Voice Information Phone Number 920-358-0118



FCARC Foxhunts

The next Fox Hunt will be May 20, 2023.



⁷ 147.555 MHz See you out there!

Meeting Information

Maplewood Middle School 1600 Midway Road Menasha, WI 54952. Community Room Enter thru Door 17 Meetings start at 7:00 PM

Meetings are held on the third Monday of each month. Check the FCARC calendar for more details.

The FCARC Board of Directors meets on the <u>second Monday</u> of each month at Maplewood Middle School. Club members are welcome to attend.

Elmer's Contact List

This is a listing of HAMS who are willing to help other HAMS out in special areas. Feel free to contact these fellow HAMS with any questions.

Call / Name	Specialty Area	Phone
N9LVS - Dan	FCC Personal Data Changes	205-4899
WA9TT- Larry	SSTV (analog)	915-4499
N9AOT -Terry	Wires X / Digital	572-2937
KB9AIT - Gary	Wires X	
KC9YL- Anne	CW	682-7978
W1GCS - Greg	Net Control Operators	740-9408
WJ9K - Rick	Getting on the Air	809-1010

If you are interested in helping other hams and being an Elmer please contact a board member.

Logging Software For Your Shack N3FJP

http://www.n3fjp.com/

N1MM Logger https://n1mmwp.hamdocs.com/

> WriteLog https://writelog.com/

TR Log http://www.trlog.com

WinTest http://www.win-test.com/

SI by EI5DI http://www.ei5di.com/

DX Keeper http://www.dxlabsuite.com/dxkeeper/

FCARC Repeaters

Frequency	Offset	Tone	Remarks
145.330	- 0.600 MHz	100.0	System Fusion
146.760	600 MHz	100.0	
146.760	600 MHz	107.2	This is a receiver station at Oneida Heights.
443.650	+5.000 MHz	100.0	

FCARC Member Repeaters

Frequency	Offset	Tone	Remarks
224.500	-1.6 MHz	100.0	

FCARC Nets

Net Name	Frequency	Schedule and Extra Information
2-Meter	146.760	Wednesdays at 8:00 pm. Contact John (KC9TFM) if you can be a net control operator.
2-Meter Digital	145.330	First Tuesday of the month at 8:00 pm. You can also use the FCARC's Fusion Room 40216, the W9ZL room. Contact Terry (N9AOT) if you can be a net control operator.
2-Meter SSTV	146.760	Second Sunday of the month at 6:00 pm. Contact Larry (WA9TT) if you can be a net control operator.
2-Meter CW	146.760	Second Sunday of the month at 8:00 pm. Contact Larry (WA9TT) if you can assist as Elmer of the Evening.
222	224.500	2nd Tuesday of the month. Contact Dave (KB9RPH) if you can be a net control operator.
6-Meter	52.550	Third Tuesday of the month. Contact Larry (WA9TT) if you can help be a net control operator.
Morning Coffee Klatch	146.760	Monday, Wednesday, Friday at 9:30 am.
		Commission @ 2022 Four Citizes American Radio Chub All Dichte Decommed

American Cancer Society Sole Burner 2023 5K Run/Walk

Saturday May 13th Breakfast: 6:30am Roll Call: 7:30am SHARP Event starts: 8:00am Event ends: Close to 11:00am

The FCARC needs operators to help provide Logistics & Communications for the 2023 Sole Burner 5K walk/run. The Sole Burner 5K event has been a traditional community service event for the FCARC providing event support for over 25 years.

This year we'll be looking to cover 25+ locations for communication needs, these locations are primary corner positions, bike mobile, medical support, net control, assistant net control and assistant corner positions.

Thank you to the returning operators from previous years, and looking forward to adding new operators as well. If you feel you want to join in and participate but would like a secondary role vs a primary role, you can assist a corner position until you feel you are ready to take control of a primary corner position.

This year we'll start out with a complimentary breakfast at 6:30am, at 7 Angels restaurant, 1401 John St.

Check'ins will start at 7:30am, please have your equipment ready and be on location at 7:30am sharp, we'll have 1 minute per check in at best!

The Runners will start promptly at 8:00am with the walkers to follow.

The event will close when the Sole Burner committee makes the call to remove the police from the secured intersections. We then rely on the remaining volunteers to finish up the event by shadowing the remaining walkers.

If you do not have APRS on your radio equipment, please consider downloading the app from https://aprsdroid.org/ for your Android phone. Iphone users, please contact me for additional information.

We do encourage all operators to have APRS running at check'in time and while your station is activated during this event.

I would like to thank our returning Net Control station Kyle WX9KGV, and please welcome Matthew Surprise KD9WAW as our Assistant Net Control.

Additionally, please welcome EMT/Medical staff KC9LFQ Nate Van Da Huvel.

Best Regards,

Brian Long KB9LRD FCARC 2023 Sole Burner Event coordinator This year Field Day will be held on the weekend of June 24th and 25th. Also, this year we will be holding Field Day on the grounds of the Bay-Lakes Council, Boy Scouts of America, 2555 Northern Rd, Appleton, WI 54914. This facility allows us to have public bathrooms, a kitchenet to serve food, and if necessary, a shelter.

Field Day is a wonderful opportunity to learn about contesting, logging, working pileups, and maybe picking up a new amateur radio skill. We

will have a VHF/UHF station set up to work some digital modes. Gary, KB9AIT, will bring out his satellite system so you can work amateurs thru a satellite. While the contact won't count, we will have demonstration on working WIRES X and DMR.

CQ Field Day

If you would like to set up your own portable GOTA station and operate, we will be able to accommodate that as well.

We will have generators available for power, some of the club's antennas and a couple of RV's for operating.

I am asking Larry WA9TT to set up a walk thru sometime this month so we can visualize antennas, station layouts and a tour of the Scouting Headquarters.

Keep checking the club's website for sign ups and more information.

73's Terry N9AOT

EAA Special Events Station Sign Up

The sign-up for this year's EAA Special Event Station is now open to all FCARC members. Sign up will be opening to all ARRL members later in April 2023. Sign up will be drawing to a close on May 08, 2023.

This year we will operate from Monday through Sunday, July 24 thru July 30, 2023. This operating event is open to all license classes. We will operate 2 HF stations, one on 20m, one on 40m, 6-meter SSB, plus local communications on 2-meters.

We are looking for both "AM" and "PM" operators covering each of the 7 days. You can sign up for one shift or more if you so desire. The event is open to all of the amateur community. If operators sign up for a 4 hour shift, they will be given a daily wristband that will allow them to go and wander around the Fly-in.

For further information and to sign up to operate the event go to: http://fcarc.club The sign up form is available at the Event Sign-ups tab on the W9ZL website home page. Or you may contact Jon Oldenburg AB9AH at: AB9AH@arrl.net

Hope to see you all soon!

Jon Oldenburg AB9AH W9ZL Special Event Coordinator EAA AirVenture 2023



TUNE IN THE WORLD

FCARC Strategic Planning Team Update To the Club The FCARC strategic planning team has met several times over the past few months and generated the following notes for the club to be aware of. **Committee Members** John (K9KI) Steve (Rudy) (KD9RWP) Andy (AJ9L) Deenah (KD9TXA) Terry (N9AOT) Purpose and Tasks of the Planning Team: To identify programs and projects for the club to get involved in. Suggest resources to complete the programs and/or projects. It will be the club's leadership responsibility to recruit team leaders to bring some of these ideas to life. **Proposed Ideas and Suggested Resources For Short** and Long-Term Goals Hold seminars, or demonstrations at local schools to introduce Amateur Radio. **Resources Required** • Team willing to go to the schools or seminar locations. A team leader Resources most likely from the ARRL about Amateur Radio Hold workshops outside of the club meeting on Amateur Radio practice, items such as: 1. Logging 2. QSLing 3. Building simple projects 4. How to XXX (e.g. The Saturday build from March was a great idea and good start. While many of the listed ideas have been introduce to the membership, some feel an informal workshop where there can be more time for practice or Q&A.). **Resources Required** A suggestion box maybe located by the monthly sign in sheet and on club's website to allow request for workshop topics A team leader to review the suggestions and plan workshop. Find the resources needed to talk about or lead the workshop • Finance for any necessary kits to be sold to those attending a building workshop Planned and regular use of the club's school station. Maybe regular once a month radio day, and open house. Resources Required • A liaison between the school and the club, most likely will be the team leader

- Team of volunteers' operators that can man the club station
- Team coordinator to schedule volunteers' as needed to man club station

FCARC Strategic Planning Team Update To the Club (continued from page 6) Offer yearly Tech License classes followed by VE testing, then maybe offer those graduates a start-up HT. Resources Required A training team lead by Technical Coordinator Training materials School room for training Radios for the graduated who passed the VE testing session after taking our course Make use of the local media to announce and invite FCARC events. Social media, local radio and TV stations, Post Crescent as media proposals. It was pointed out that many of our newer members were not aware of our presence. **Resources Required** A public relations officer appointed by the board of directors If necessary change the By Laws to include PR person and term. I suggest 2 year terms Each event leader or coordinator would supply the PR person with event information at least 3 months or sooner so the PR person can contact media sources Field Trips to radio related locations. Tour of ECC center, TV or Radio Station, etc. Resources Required • Field trips would come from the suggestion box and a program director may be needed or one of the members at large. Informal family get togethers, picnics. Again, we do some of these things in the summer with POTA operations and brat fry during the 6 meter net. Resources Required • If some idea on radio in the park or family gatherings is promoted a coordinator will be needed Consider a trailer for the old vans tower and operating station, for portable club station. Additional Information and Actions Required • Form a research team whether we need a communication vehicle. • What current equipment is available, what equipment will be needed. Cost of obtaining a communication vehicle Yearly cost of maintaining the vehicle Source of income to cover the maintenance cost. Make use of YouTube or ARRL amateur radio videos. **Resources Required** This maybe a member at large requirement or a program director Partner with other local clubs (we need more details about this idea, it was presented this past week). Resources Required A liaison between our club and other local clubs to maybe join in community events, social events.



FCARC Lending Library Chris Reitz, N9CVR Head Librarian



The FCARC lending library is a repository of references, equipment, and supplies that club members are willing to loan out to other club members. If you would like to borrow an item from the lending library contact the owner and arrange to borrow the item. If you have something you would like to list in the lending library, contact Chris Reitz (N9CVR) to have your item listed.

Library Catalog Current As Of 5/6/23 The contents of this list changes monthly.

Item	Make	Model	Owner	Notes
Coax / Powerpole			N9CVR	contains all required tools for crimping coax
Power Meter	Diamond	SX-200	KD9UHZ	
RF Preamp	Ameco	PT-3	KD9UHZ	
Manual Antenna Tun-	MFJ	MFJ-945E	KD9UHZ	
TDR pulse generator	-	-	N9CVR	For Time Domain Reflectometry
TDR potentiometer	-	-	N9CVR	For finding characteristic impedance of TX
75m/40m NVIS dipole	-	-	N9CVR	Requires a tree or pole and some open space to deploy
Battery			N9CVR	24v-20AH or 12v-40AH switchable SLA
2m/70cm tape meas- ure yagi			N9CVR	Portable, directional antenna. SO-239 connec- tion. Good for fox hunting & distance work
offset attenuator	KC9ON		N9CVR	for fox hunting
20ft fishing pole			N9CVR	Good for portable installations where trees
misfit 213in whip	Wolf River Coil		N9CVR	Misfit whip - skinniest section doesn't go up
Microbit v2 (x2)	BBC	Microbit	N9CVR	USB/Bluetooth Microcontroller with 2.4GHz
Antenna Analyzer	MFJ	209	WI9MMM	160m - 2m antenna analyzer
2m mobile radio	Yaesu	FT-1500M	N9CVR	2m / Analog FM / 50W + WX.
Code Practice Oscilla- tor	Pacific Antenna	СРО	N9CVR	From club build day. There are 3 in my house- hold, so feel free to borrow one!
2m wattmeter/SWR	Shurecom	SW33	KD9TXA	SMA connectors
2m J-pole antenna	-	-	KD9TXA	SO239 connector
Cable tester			KD9TXA	For RJ45 and RJ-11 modular cables
Modular connector			KD9TXA	For RJ45 and RJ-11 modular cables
Coax crimper			KD9TXA	For RG6 (75 ohm cable company coax)
Tripod stand for J-pole			KD9TXA	Ideal for field day. About 6ft height
800W generator			KD9TXA	Gasoline powered

FCARC Ham Exams

Maplewood Middle School 1600 Midway Road, Menasha, 54952

June 3	July 22	September 16
	November at the FCARC Hamfest)

Registration starts at 8 am and ends at 9 am. Preregistration is encouraged. A government issued picture ID is required. Please see the ARRL.org website, license information, for other forms of acceptable ID. The application requires a **Federal Registration Number** and a valid **email address**. FRN's can be obtained free of charge on the FCC.gov website in the ULS section.

Details on each testing date will be posted on the FCARC website 2-weeks prior to the test.

Important! If you will be upgrading you must provide a copy of your current license to be attached to your application. Your application can not be processed without a copy of your current license. Cell phones must be silenced and put away during exams. Non cell phone calculators are permitted. Programmable calculator memories must be cleared and are subject to examination by a VE. Cost of the exams are set by our VEC, the ARRL, at \$15.



If you fail an exam you may take a different version, time permitting, but you will be charged another \$15. If you are successful you may take the next element during that session with no charge.

If you have any questions concerning FCARC Exams or to preregister contact Rick Kosiorek at (920) 809-1010 or WJ9K.<u>mail@gmail.com</u>

Interested In Getting Into CW?

The FCARC will be hosting a "Build Your Own CW Oscillator" day. The target date is March 25. Stay tuned to the monthly meetings, website, and newsletter for more information.

During a recent net, Paul (KA9GOU) shared his experience with the Long Island CW Club.

"I tried the club out for a year and then signed up for a lifetime membership. Very reasonable. I enjoyed CW with my novice ticket and TenTec radios in the 80's and 90's."

Check out the Long Island CW Club on YouTube at https://youtu.be/NjvCr_2U5xs





Silver Bullet Antenna

From the guys who brought you misfit coils, Wolf River Coils LLC now has misfit collapsible whips.

102 inch collapsible SS whips \$10.00

213 inch collapsible SS whips \$25.00

Now that Wolf River Coils LLC has incorporated a CNC Milling machine for coil production their supply of misfit coils is dwindling as we no longer create a misfit. So if you ever wanted to purchase a misfit SB1000 or SB Mini now is the time because when they're gone, they're gone.

SB1000 sells for \$20.00 and the SB Mini sells for \$15.00.

Contact Gary KB9AIT or Terry N9AOT to purchase.

FCARC Club Gear

On sale now at http://www.jse-repair.com

Contact Jeff on his website for information on items that you don't see, but would like. He stocks and makes a wide variety of POTA clothing and flags, hats, club shirts, as well as radio covers.



ARRL Hamfests and Conventions in Wisconsin

05/06/2023 - ARAC Hamfest Location: Superior, WI Type: ARRL Hamfest Sponsor: A.R.A.C. Arrowhead Radio Amateurs Club Website: WWW.THEARAC.ORG

06/03/2023 - Green Bay Hamfest Location: Green Bay, WI Type: ARRL Hamfest Sponsor: Green Bay Mike & Key Club Website: http://www.k9eam.org

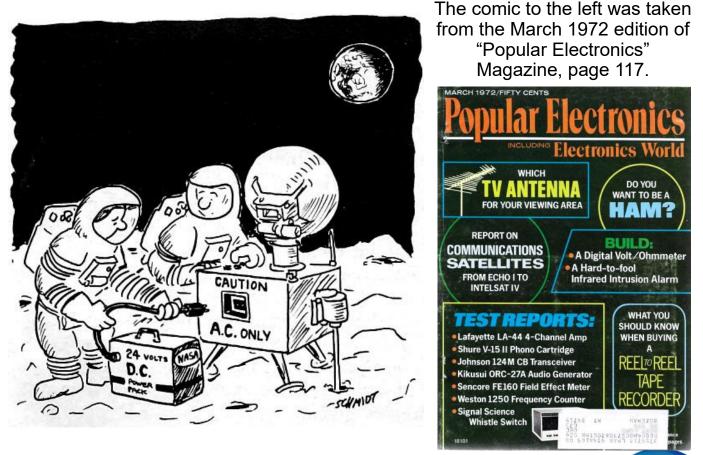
06/17/2023 - Sunshine Swapfest Location: Neenah, WI Type: ARRL Hamfest Sponsor: Fox Cities Amateur Radio Club, Inc. Website: http://www.fcarc.club/sunshineswap.php

08/26/2023 - Circus City Swapfest Location: Baraboo, WI Type: ARRL Hamfest Sponsor: Yellow Thunder Amateur Radio Club Website: http://yellowthunder.org 05/06/2023 - ORC 43rd Annual Spring Indoor Swapfest Location: Cedarburg, WI Type: ARRL Hamfest Sponsor: Ozaukee Radio Club, Inc. Website: https://www.ozaukeeradioclub.org/

06/10/2023 - LAARC WI9ELK / LRA KR9RK FreeFest Location: Burlington, WI Type: ARRL Hamfest Sponsor: LAARC / LRA Repeaters Website: https://sites.google.com/site/laarcradioclub/

07/08/2023 - WI9SM Swapfest Location: Oak Creek, WI Type: ARRL Hamfest Sponsor: South Milwaukee Amateur Radio Club Website: http://WI9SM.org

09/09/2023 - ORC Annual Regional Fall Swapfest Location: Cedarburg, WI Type: ARRL Hamfest Sponsor: Ozaukee Radio Club (ORC) Website: http://www.OzaukeeRadioClub.org



HAM Radio Trivia

Try your luck at answering these HAM trivia questions. The answers are at the bottom. In what year did the U.S. government begin requiring a license to operate amateur radio?

A) 1905 B) 1910 C) 1912 D) 1915

2. An HF amplifier is connected to a dummy load having a 1:1 SWR at 50 Ohms. At 1.5 kW of RF power, how much voltage is present at the dummy load input?

A) 1500 volts Peak to Peak B) 770 volts average C) 274 volts RMS D) 30 volts RMS

3. In what year did the FCC mandate the 1500 Watt PEP limit for amateur radio station power output?

A) 1961 B) 1972 C) 1987 D) 1990

4. Which of the following designs is used for a balun?

A) Coax/wire wrapped on a ferrite rod or core. B) Coax wound in a coil. C) Ferrite beads placed on a length of coax. D) All of the above.

5. What thing found in nature was the object of research by the Army Signal Corps for use as a viable radio antenna?

A) Lakes B) Trees C) Rocks D) Copper Mines

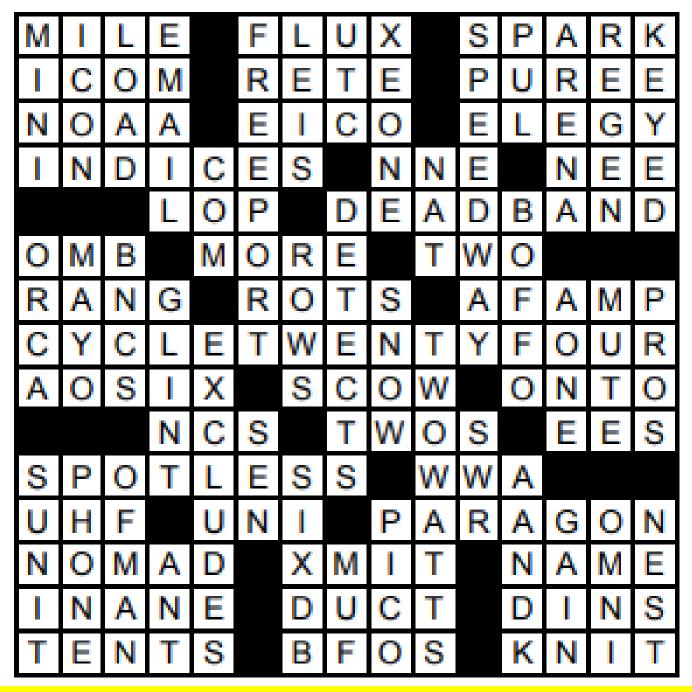
See 1 2. C) 274 volts RMS | 3. C) 1987 | 4. D) All of the above | 5. B) Trees Cobhight © 5053' Loss Cities Amateur Badio Club, All Bights Reserved.

by Chris Codella, W2PA

Spot Not

Across		1	2	3	4		5	6	7	8		9	10	11	12	13				
1. Eight furlongs		14					15					16		\square	\vdash	t				
 Propagation predictor, with solar 		17	┢				18					19			┢	┢				
9. Early ham technology		20	-	8		21		8		22	23	8		24	⊢	-				
14. 7700 maker				6	25		-		26		-	-	27		⊢	⊨				
15. Network, especially in I-land		28	29	30	20	31		32			33	1								
16. Blender setting		34		-	35		36		8 6	37		38	8 8	39	40	41				
17. Solar WX org.		42	-	-	관측	42	0200	-	5-3		44	22	5 - 6	2013		1				
18. Kit maker of the 1960s		42				43		200			44		10.42							
19. Poem of lament		45			Γ			46					47			Г				
20. Propagation predictors, with 58 down					48		49		50			51		52						
22. OX dir. from XE		53	54	55				56			57		58							
24. Formerly known as		59				60				61				62	63	64				
25. Chop (off)		65	⊢	-	66			67	68		-		69	\vdash	⊢	⊢				
 Solar minimum result 		70	⊢	-		-		71		-	⊢		72	-	⊢	┢				
28. Fed. fiscal agency				3	8 S			~	3 - S							-				
31. "Encore!"		73		2	8.8			74	8				75			1				
33. 144 MHz	6.					_				_				_	-	-				
34. Phoned																				
 Deteriorates 	70. Nonsensical	1			11. F	lara,	for e	xamp	le		44.3	3 dB	m							
38. Post det. stage	71. Tropospher				12. 5	Super	het al	lterna	tive		49. k	C7UC	GA, c	nce:	Abbr	E.,				
42. Hams eagerly await it	propagation pat				13. 8	Sent (W				51. /	Ant. n	neasu	irema	ent					
45. 1970s sat.	72. Connectors	with	shel	ls	21.1	t may	folle	ow a	dot		53.5	6 do	wn m	neasu	reme	nt				
46. Garbage barge	73. FD abodes				23 King Cole						54. Second SS weekend									
47. "I'm your tricks!"	74. Ckts. for CV				26. Picks up, on the air						55. GD isle									
48. Checks in check ins	75. Put in stitch	es			27. Fab						56.8	See 5	3 dov	vn						
50. Calls from NJ or NY					28. Shamu, for one						58. Types of 20 across				oss					
52. What some amateurs	Down				28. 5	Sham	ı, for	one			38. 1	ypes		61. Micro micro						
	Down					Shami W0 C	0.00							го		62. Antenna measurement				
are, professionally	1. Subcompact				29. \		linic		tors		61. N	dicro	mic		reme	nt				
are, professionally 53. The 2009 sun, mostly	1. Subcompact 2. Desktop feat	ure	bal		29. \ 30. I	NO C	linic ng co	nnec			61. M 62. A	Anter	mic ma m	easu	reme					
are, professionally 53. The 2009 sun, mostly 57. W7 ARRL sect.	 Subcompact Desktop feat PA front pan 	ure el la	bel		29. \ 30. 1 32. (W0 C	linic ng co nn cro	nnec			61. M 62. A 63. F 64. V	Anter Anter Prefix What	mic na m , wit cran	easu h dire k-up	ection section	nal				
are, professionally 53. The 2009 sun, mostly 57. W7 ARRL sect. 59. 440 MHz region, say	 Subcompact Desktop feat PA front pan In-box context 	ure el la	bel		29. V 30. 1 32. (35. S	W0 C .ocki Colun	linic ng co in cro le	nnec			61. M 62. A 63. F 64. V	dicro Anter Prefix	mic na m , wit cran	easu h dire k-up	ection section	nal				
are, professionally 53. The 2009 sun, mostly 57. W7 ARRL sect. 59. 440 MHz region, say 60. Prefix, opposite of 63	 Subcompact Desktop feat PA front pan In-box contex C6 city 	ure el la	bel		29. V 30. 1 32. (35. § 37. F	W0 C .ocki Colun Spark	linic ng co nn cro le WX	onnec			61. M 62. A 63. F 64. V do w 66. I	Anter Anter Prefix What then of Dip. of	o mic ina m i, wit crank crank or Inv	h dire k-up ced-do -V, o	ection section own a.g.	nal				
are, professionally 53. The 2009 sun, mostly 57. W7 ARRL sect. 59. 440 MHz region, say	 Subcompact Desktop feat PA front pan In-box context 	ure el la nts	bel		29. V 30. 1 32. (35. § 37. F 39. (40. F	W0 C .ockii Colun Sparki CC4 V Code Receiv	linic ng co nn cro le WX for co	onnec osser	5		61. M 62. A 63. F 64. V do w 66. I 68. F	Anter Anter Prefix What then of Dip. of	mic ma m , wit crank crank or Inv gatio	h dire k-up ced-do -V, o	ection section own a.g.	nal				
are, professionally 53. The 2009 sun, mostly 57. W7 ARRL sect. 59. 440 MHz region, say 60. Prefix, opposite of 63 down	 Subcompact Desktop feature PA front pane In-box content C6 city KH6 rings 	ure el la nts er	bel		29. V 30. 1 32. (35. § 37. F 39. (40. F label	W0 C .ockii Colun Sparkl CC4 V Code Receiv	linic ng co nn cro le WX for co ver re	onnec osser	5		61. M 62. A 63. F 64. V do w 66. I 68. F	Micro Anten Prefix What then o Dip. o Propa	mic ma m , wit crank crank or Inv gatio	h dire k-up ced-do -V, o	ection section own a.g.	nal				
are, professionally 53. The 2009 sun, mostly 57. W7 ARRL sect. 59. 440 MHz region, say 60. Prefix, opposite of 63 down 61. Early receiver maker	 Subcompact Desktop feat PA front pan In-box contex C6 city KH6 rings GMT replace 	ure el la nts er	bel		29. V 30. 1 32. (35. § 37. k 39. (40. F label 41. (W0 C .ockii Colun Sparki CC4 V Code Receiv	linic ng co nn cro le WX for co ver ro ons	onnec osser	5		61. M 62. A 63. F 64. V do w 66. I 68. F	Micro Anten Prefix What then o Dip. o Propa	mic ma m , wit crank crank or Inv gatio	h dire k-up ced-do -V, o	ection section own a.g.	nal				

Crossword Solution From Page 12



Submit your ideas for content, contributions, or items for sale for future editions of QSO'er to Gene Wall (KE8KWF) at ke8kwf@gmail.com. There are no special formatting requirements. All ideas are welcome. Together we can make our newsletter a useful addition to your shack.

FCARC—May 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 2 Meter Digital Net (WI9MMM) 8:00 pm	3 2 Meter Net - (KE8KWF) 8:00 pm	4	5	6
7	8 Board of Directors Meeting— 7:00 pm	9 220 Monthly Net 8:00 pm	10 2 Meter Net - (WI4WD) 8:00 pm	11	12	I 3 Sole Burner
14 SSTV 2 Meter Net — 6:00 pm (WA9TT) 2-Meter CW Net — 8:00 pm	15 General Membership Meeting — 7:00 pm	16 6 Meter Net - (W9BDO) 8:00 pm	17 2 Meter Net - (KC9TFM) 8:00 pm	18	19 HAMVENTION	20 HAMVENTION Fox Hunt - 7:30 am (147.555 MHz)
21 HAMVENTION	22	23	24 2 Meter Net - (WI9MMM) 8:00 pm	25	26	27
28	29 memorial DAY	30	31 2 Meter Net - (KC9THF) 8:00 pm			

FCARC—June 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3 VE Testing 8 am - 11 am B C B C
4	5	6 2 Meter Digital Net (WA9TT) 8:00 pm	7 2 Meter Net - (WA9TT) 8:00 pm	8	9	10 Flag Day Parade
II SSTV 2 Meter Net — 6:00 pm (WIQC) 2-Meter CW Net — 8:00 pm	12 Board of Directors Meeting— 7:00 pm	13 220 Monthly Net 8:00 pm	14 2 Meter Net - (N9CVR) 8:00 pm	15	16	17 Sunshine Hamfest
18	19 General Membership Meeting — 7:00 pm	20 6 Meter Net - (AJ9L) 8:00 pm	21 2 Meter Net - (KE8KWF) 8:00 pm	22	23	24 ARRL Field Day
25 ARRL Field Day	26	27	28 2 Meter Net - (WI4WD) 8:00 pm	29	30	

FCARC—July 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4 Communityfest 2 Meter Digital Net (N9AOT) 8:00 pm	5 2 Meter Net - (KC9TFM) 8:00 pm	6	7	8
9 SSTV 2 Meter Net — 6:00 pm (WIQC) 2-Meter CW Net — 8:00 pm	10 Board of Directors Meeting— 7:00 pm	l I 220 Monthly Net 8:00 pm	12 2 Meter Net - (WI9MMM) 8:00 pm	13	14	15
16	17 General Membership Meeting — 7:00 pm	18 Brats on High 6 Meter Net - (WA9TT) 8:00 pm	19 2 Meter Net - (KC9THF) 8:00 pm	20	21	22 Fox Hunt - 7:30 am VE Testing 8 am - II am
23	24	25	26 2 Meter Net - (WA9TT) 8:00 pm	27	28	29
30	31		EAA Special	Events Station		
EAA						

FCARC—August 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		l 2 Meter Digital Net (WI9MMM) 8:00 pm	2 2 Meter Net - (N9CVR) 8:00 pm	3	4	5
6	7	8 220 Monthly Net 8:00 pm	9 2 Meter Net - (KE8KWF) 8:00 pm	10	11	12
I3 SSTV 2 Meter Net — 6:00 pm (WIQC) 2-Meter CW Net — 8:00 pm	14 Board of Directors Meeting— 7:00 pm	15	16 2 Meter Net - (WI4WD) 8:00 pm	17	18	19 FCARC Annual Picnic Fox Hunt - 7:30 am (147.555 MHz)
20	21	22 6 Meter Net - (AJ9L) 8:00 pm	23 2 Meter Net - (KC9TFM) 8:00 pm	24	25	26
27	28	29	30 2 Meter Net - (WI9MMM) 8:00 pm	31		

FCARC—September 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					I	2
3	4 LABOR Day	5 2 Meter Digital Net (AB9AH) 8:00 pm	6 2 Meter Net - (KC9THF) 8:00 pm	7	8	9
10 SSTV 2 Meter Net — 6:00 pm (WA9TT) 2-Meter CW Net — 8:00 pm	II Board of Directors Meeting— 7:00 pm	12 220 Monthly Net 8:00 pm	13 2 Meter Net - (WA9TT) 8:00 pm	14	15	I6 VE Testing 8 am - II am Wisconsin POTA
17	18 General Membership Meeting — 7:00 pm	19 6 Meter Net - (WA9TT) 8:00 pm	20 2 Meter Net - (N9CVR) 8:00 pm	21	22	23 Fox Hunt - 7:30 am (147.555 MHz)
24	25	26	27 2 Meter Net - (KE8KWF) 8:00 pm	28	29	30

FCARC—October 2023

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 2 Meter Digital Net (Wi4WD) 8:00 pm	4 2 Meter Net - (WI4WD) 8:00 pm	5	6	7
8 SSTV 2 Meter Net — 6:00 pm (WIQC) 2-Meter CW Net — 8:00 pm	9 Board of Directors Meeting— 7:00 pm	10 220 Monthly Net 8:00 pm	II 2 Meter Net - (KC9TFM) 8:00 pm	12	13	14
15	16 General Membership Meeting — 7:00 pm	17 6 Meter Net - (WA9TT) 8:00 pm	18 2 Meter Net - (WI9MMM) 8:00 pm	19	20	21 Fox Hunt - 7:30 am (147.555 MHz
22	23	24	25 2 Meter Net - (KC9THF) 8:00 pm	26	27	28
29	30	31				

Name 1. <u>Steve & Rev s</u> 2. <u>Fric Bjorkquist</u> 3. <u>July Verwik</u> 4. <u>Mike Moore</u> 5. <u>July Verwik</u> 6. <u>July Norresson</u> 7. <u>July Cress</u> 9. <u>Kc Pess</u> 10. <u>Brian Muller</u> 11. <u>Brian Muller</u> 12. <u>Jacol Kass presson</u> 13. <u>July Kass presson</u> 14. <u>Brian Muller</u> 15. <u>July July Perions</u> 16. <u>July July Perions</u> 18. <u>LANPH PERions</u> 19. <u>Ruh</u> Anon Lavos 19. <u>Ruh</u>	Genera Genera
Callsign USGTO HIGERDT	FOX CITIES AMATEUR RADIO CLUB, ING General Membership Meeting Sign-in S Date: 4 / 17 / 2023
Name 21. KAREN The RNE 22. CHREN The RNE 23. Sten The Relite 23. Sten Nerren 24. Rendy Plachinski 25. Jane Beerge 26. Jane Beerge Schwick (1998) 28. Beerge Schwick (1998) 29. Steve Leitzko 30. ANTIHONY L. MACH 31. ERIC JOHUSON 31. ERIC JOHUSON 32. Mike Sampeason 33. Loren Larsen 34. Lou Maylander 35. Rob Rollver 36. CHNCK SKoning 38. Bay HINZ 39. Minc Eschu 40. Rike Kesierek Placed OTT	ADIO CLUB, INC. Reting Sign-in Sheet
Callsign WB9ZNA Nopcure KD97000 KD97000 KD972X UJ97EAC AB97AL AB944 KD912 ND91 ND91 KO9WYA KO9WYA KO9WYA KE95A AJ95EA KE95A KE95A AJ95EA KE95A K	Carlos Contractions of the second sec

Copyright © 2023, Fox Cities Amateur Radio Club, All Rights Reserved.

FCARC, PO Box 2346, Appleton, WI 54912 920-415-2ham (2426) - www.fcarc.club - fcarcw9zl@gmail.com Membership Application					
Date	New member Renewal				
Full / Associate / Retired Student					
Call Sign License Class	sARRL Member? 🗌 Yes 🗌 No				
Name	Phone				
Address					
	State ZIP				
Email					
\$20.00 Full, Associate	(non ham), Retired ol C VE certificate required) ily Members				
My Family Member is Joining or Renewing:	ARRL Member? Yes No				
	Phone				
Email					
New member Renewal Call Sign License Class	SARRL Member? Yes No				
Email Note: Family members must reside at the same address					
Note: Please see the treasurer for an ARRL dues form. Our club will receive a portion of those dues if you sign up or renew through us.					
Fox Cities Amatuer Rodio Club, Inc. is a S01(c)3 non-profit corporation. Your contribution supports our community service and public safety activities. All donations are tax-deductible to the fullest extent of the law. Please consult your tax advisor.					
Treasurer Use:					
Amount Paid \$ Check # or method of payment	QuickBooks Updated Website Updated				
Paid through 12/31/ HamClubOnline Updated					
Date Deposited					