



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —



June 2023

WWW.FDLHAMS.COM

Join us on Sunday evenings for our weekly Net - 7:30 PM on 145.430 MHz - Tone 97.4 Hz

And on our 10 meter Net on Sunday's at 6:15 PM 28.450 / Chat on Thursday's at 8:00 PM 28.360

2023 Club Officers

President:	Bob Burrier N2TSQ
Vice-President:	Joe Scheibinger K9VY
Secretary	Tom Powell KC9VXR
Treasurer	Doug Schultz N9EZF
Sgt-at-Arms:	Paul Bleuel KC9NAA
Board Member	Justin Buell KB9YET
Board Member	Bill Kieckbusch KG9IO
Board member	Phil Schmahl W9MW

Committee Chairs

Contesting	Jack Heil KG9IN
Education	Jack Heil KG9IN
Scholarship	Jack Heil KG9IN
Field Day	Jack Heil KG9IN
Parades / Trailer	Justin Buell KB9YET
Net Manager	Doug Schultz N9EZF
Newsletter	Doug Schultz N9EZF
Newsletter layout	Joe Scheibinger K9VY
Public Service	Ed Beltz N9PJQ
Publicity/Program	Joe Scheibinger K9VY
Repeater	Lloyd Vandervort N9RPU
Testing	Doug Schultz N9EZF
Truck & Trailer	Ron Keller KC9YVL
Trailer Design	Justin Buell KB9YET
TVI	Lloyd Vandervort N9RPU
Web Site	Tim Braun W9AAV
Christmas Party	Paul Bleuel KC9NAA

Each committee has several members. If you are interested in serving on a committee, please contact the chairperson and volunteer your services.

FARC Volunteer Examiners

Managing VE - Doug Schultz N9EZF
 Jack Heil KG9IN - Dick Finn KC9ZVW
 Joe Scheibinger K9VY - Wally Meyer K9WKM
 Paul Tvrdy N9KLLK - Tom Powell KC9VXR
 Pete Leonard AA9UUU - Bill Kieckbusch KG9IO
 Phil Schmahl W9MW

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*FARC FDL 73 Newsletter
 design and concept
 by Dick Finn KC9ZVW*

The PRESIDENTS CORNER



President Bob Burrier N2TSQ

Perhaps a shorter President's Corner this month, but that doesn't mean the activities are not moving ahead in all directions. We had our first fox hunt this month which was a lot of fun. Lloyd is looking to have a lighthouse activation with the Go-Box the weekend of June 17 now that Lakeside Park has been renovated (more to come on this this). The following weekend is Field Day, the biggest club event of the year and we really need strong participation to make this successful. As the summer moves on, I will be volunteering at the EAA Airventure in Oshkosh for my second year late in July, another fun event. These events will be followed by the annual Labor Day parade with the Race the Lake event early in September. These latter two events are both public service and fund raising for our club. The club has gotten rather efficient in operationally making all these events come together, but it still takes participation by the membership. Please consider spending a few hours a one or more of these so we can be successful, get out, have fun, perform important community service, and grow our ham skills. There are plenty of events to choose from and I look forward to seeing all of you joining in.

This month in my shack I have been plucking away at making mostly FT8 QSOs. The bands have been good, not great. Nevertheless, there are lots of stations looking to make contacts.

Lastly, Joe has some very interesting topics for our club meetings in the next few months, but I'll let him tell you more about these.

Enjoy the summer (including radio related activities!). I would love to do some more fox hunts, anyone interested? Keep your ideas and feedback coming, this is extremely useful.

Bob Burrier N2TSQ

NEXT MEETING - Monday, June 12, 2023

Where: Moraine Park Technical College

235 N National Ave, Fond du Lac, WI

NEW ROOM!!!! 7:00 PM Room O-122



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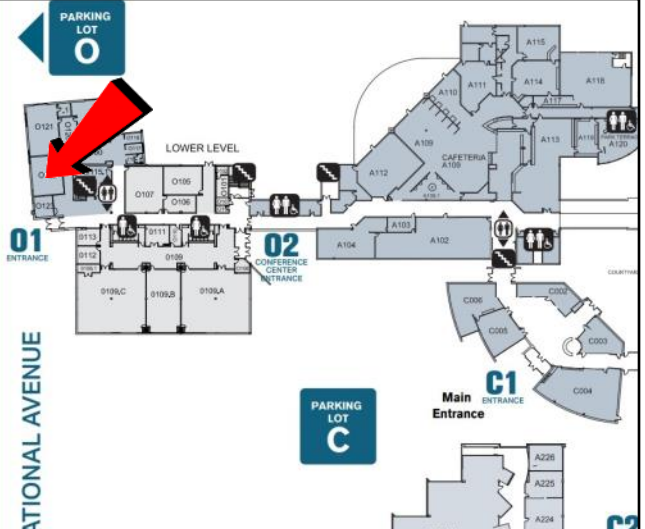
WHAT'S INSIDE?

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Fond du Lac
CAMPUS MAP



NEW MEETING ROOM

Moraine Park Meeting Room O-122

We were just informed that due to renovations at MPTC beginning on June 12, 2023 at MPTC we will be meeting in Room O-122 through our November 13, 2023 meeting. Please park in the O parking lot since the room is very close to the entrance from that parking lot.



Official FARC Goody Table Set Up At Meeting

Back when we were meeting before Covid, we always had a table set up where you could select from some amazing things that other Ham radio operators would bring in to share. Piles of magazines, books, and even some hardware was brought in to borrow and give away. So it's time to clean out the radio shack of the accumulated stuff you don't want any more over the year of the pandemic. If you have old ham magazines, this is a great way to help distribute knowledge of our great hobby! Take them home and when you are done reading them bring them back next month and put them on the table for the next ham! And if you have anything to sell, bring it and attach a note to it showing how much you want for the item and who you are. **Older magazines are always welcome!**

Hey FARC How are we doing ?

Publication Corrections and Distribution

The "FDL 73" newsletter is compiled and distributed by the members of the Fond du Lac Amateur Radio Club. It is distributed by E-mail free of charge to all its members. Members are encouraged to send copies freely to other Ham Radio enthusiasts, electronic hobbyists, and friends. The newsletter is the heartbeat of the club and members are encouraged to participate by lending stories, experiences, and expertise. Deadline for submission is 10 days before the next advertised meeting. For corrections and submissions please send them to backstagelive@gmail.com.



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The Fox Got Caught!

On Sunday, May 21 Jack Heil KG9IN, Ron Keller KC9YVL, Lloyd Vanderwort N9RPU, Tim Brusky N2TIM, Wendy Kudrowicz, and Bob Burrier N2TSQ met at the Moraine Park Technical College to participate in a radio fox hunt. After checking out the groups combined equipment, Bob gave the group some general instructions including the fox transmission frequency and the boundaries of being inside the HWY41 and 155 Fond du Lac "beltline". Bob then left to relocate to a secret fox hiding spot on the south end of the city.

Meanwhile, the rest of the group separated into 2 teams; one team including KC9YVL and N9RPU while the remaining participants formed another team. Upon arriving at the hiding spot, Bob began transmitting about every three minutes for 1 minute on the fox frequency. After about 50 minutes, Bob was relieved to see Lloyd N9RPU and Ron KC9YVL drive up to the fox location at the head of the Prairie Trail off Martin Road. During the hunt, various direction-finding equipment was deployed including direction finding arrays, yagi antennas and a "bow tie" direction finder. Several small hints were provided by the fox during the hunt to assist the hunters.

While the Jack, Tim, and Wendy team made good progress in the direction of the fox, they ultimately requested assistance for the final location. Upon arriving everyone gathered to share snacks and stories of the hunt. One team described tricky interferences caused by the buildings on Main Street, while the other team seemed to take a tour of several fast-food restaurants including McDonald's and Dairy Queen. All in all, everyone learned a lot, had a great time, and enjoyed the outdoor experience (fantastic weather!) with fellow FARC club members. Everyone was eager to discuss planning of our next fox hunt with the desire to include many more club members in the fun. Ask any of the participants and you will get a good story and a plea for you to join fun at the next fox hunt! *Bob Burrier N2TSQ*





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ENTERTAINMENT



Meet Chuck Dellis W9WLX Chairman of the Wisconsin QSO Party And Tom Macon K9BTQ Former Chairman of the Wisconsin QSO Party



Chuck Dellis W9WLX

Our June meeting will feature the current Chairman of the Wisconsin QSO Party Chuck Dellis, W9WLX and the former Chairman of the Wisconsin QSO Party Tom Macon K9BTQ. Both will be traveling up from the Milwaukee area to speak to us live in the meeting room!

The 2023 QSO Party had many surprising moments. This was a record setting year for participants both in state and out of state. Overall 500 participants enjoyed the competition, with an in state record of 204 participants.

Former Chairman Tom Macon is still on the committee, and his role in the program is designing analysis tools and personally writing the software for the program. Tom was instrumental back in 2013 making changes in automation and computerized log analysis.

Chuck mentioned that the most surprising thing that happened during the 2023 party was "the pleasant welcome of having the upper bands open up for the duration."

A few months ago we went onboard the U.S.S. Wisconsin on a Skype visit with the radio operators. The members of that club are active participants in the party and list their accomplishments on their website in Norfolk, VA.

The West Allis Radio Amateur Club, Inc. (WARAC) was founded in 1954 by hams in West Allis, Wisconsin and the southwest suburban area of Milwaukee. Today, the club has active members from all parts of the Metropolitan Milwaukee area. From its beginning, the club has been dedicated to public service and to the training of new hams. WARAC has

conducted entry level classes in Amateur Radio for most of its existence. WARAC has long been affiliated with the *American Radio Relay League (ARRL)*. Regular meetings are held on the second Tuesday of each month at 7:00 pm at New Berlin Community Center, 14750 W Cleveland Avenue (handicapped accessible - all on one level). Regular meetings consist of a program on a topic of interest and a short business meeting. This is followed by refreshments and camaraderie to round out the evening. Meeting announcements and club news are published monthly in HAMTRIX, the WARAC newsletter.

The annual Wisconsin QSO Party has been sponsored by WARAC since 1979. WIQP is an on-the-air operating competition that focuses on Wisconsin and is popular not only in Wisconsin, but across the country and the world with over 500 logs submitted this year.

The objective for Wisconsin hams is to make contact with hams in as many Wisconsin counties and other states as possible. Amateurs in other states try to contact as many Wisconsin stations in as many counties as they can. Awards are given to high scoring entrants in several categories. WARAC sponsors an award program, the Worked All Wisconsin Counties Award, available to any Amateur who can show evidence of having confirmed contacts with an Amateur in each of Wisconsin's 72 counties occurring during or after the 1995 Wisconsin QSO Party. This award is available to all Amateur Radio operators worldwide.

Come to the June meeting for some great entertainment!



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Meet **Lee Clausen** **KC9ZVZ**



Every month, the newsletter team highlights one of their active members, in order to learn more about their passion for Ham Radio and celebrate it. This month, we are tuning in on Lee Clausen.

Lee was involved in CB for a number of years before becoming a ham. He had a friend Jay Master-son N9NCK on CB that encouraged him to take the Technician exam about 10 years ago.

During November, 2013 Lee studied for the Technician license and took the exam in Appleton and passed it. Lee then began studying for the General class and in November 2014 he took the test and passed the General class exam. He took the exam at the Red Cross building in Appleton.

Lee moved back to Oshkosh in 1993 after living in the Fort Myers, Florida area for 25 years. Lee's father had relatives in the Oshkosh area and was having health issues. Lee's father passed away a week after they moved back to Oshkosh. Lee's mother passed away four years ago.

Lee finds that he enjoys the Ham radio hobby since he gets to meet and talk to people all over the world. Lee is involved in 2 meter FM nets, HF, Yaesu Fusion Wires X nets and Echolink. Lee's HF equipment is a Icom IC-7300 and a Icom IC-706 MKIIG with the HF antennas being an end-fed wire that he uses on 80 meters to 10 meters. He also operates HF on his deck during nice weather with the Icom 706 and uses a Wolf River tripod along with Hamsticks. He has Hamstick antennas for 40 meters, 20 meters, 17 meters, 15 meters and 10 meters. For VHF he has a 6 meter dipole fixed in position pointing south on his tower when that band opens up.

On VHF/UHF he has a vertical on his tower and uses a Yaesu FTM-100D transceiver that does both analog and C4FM Fusion. We are happy to have Lee as an active contributing member of the FARC.

Doug Schultz





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Certificate of Excellence Award Presented to Bradley Kowal

At the May meeting, President Bob Burrier N2TSQ presented the Certificate of Excellence award to Brad Kowal for his tremendous work on securing our club's 501c3 certificate. Accepting for Brad at the meeting was his father Cully Kowal KS0D. This certificate from the government will secure the health and growth of the club. When we were having issues with the IRS, Brad stepped forward and with his long experience in dealing with the IRS, he was able to overcome the troubles we have been having over the last few years.



Joe Scheibinger Receives "Rookie" Award From the Wisconsin QSO Party

Joe Scheibinger received a Rookie Award for his first time attempt at the Wisconsin QSO Party for 2023. The radio event held back in March is now an event that is enjoyed by Hams all over the country. Even with severe laryngitis Joe managed to pull 26161 points thanks to the mentoring of Lloyd Vandervort and Dave McCumber. Also special thanks to Dennis Paulin for the use of a voice keyer to take the load off tired vocal cords. SSB will slightly hide the laryngitis part, but a few of the guy's that had strong signals from Joe sent their best wishes to get well soon!



Next 2023 Exam Date is October 21st



The Fond du Lac Amateur Radio Club Volunteer Examiners have scheduled another testing date, October 21st, for 2023. Everyone taking amateur exams are required to get an FRN from the FCC website to put on their FCC application as well as provide a photo ID. I have a suggestion for people taking the Technician exam to also study for the General exam since if you pass the Tech. exam on the first try you can take the General exam for free. Cost of the exam is \$15. Preregistering is encouraged, but walk-ins are allowed at the exams. To pre-register for any of the exam sessions call Doug Schultz at 920-922-3088 or via email at: schultz74@charter.net.



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OUR GO BOX

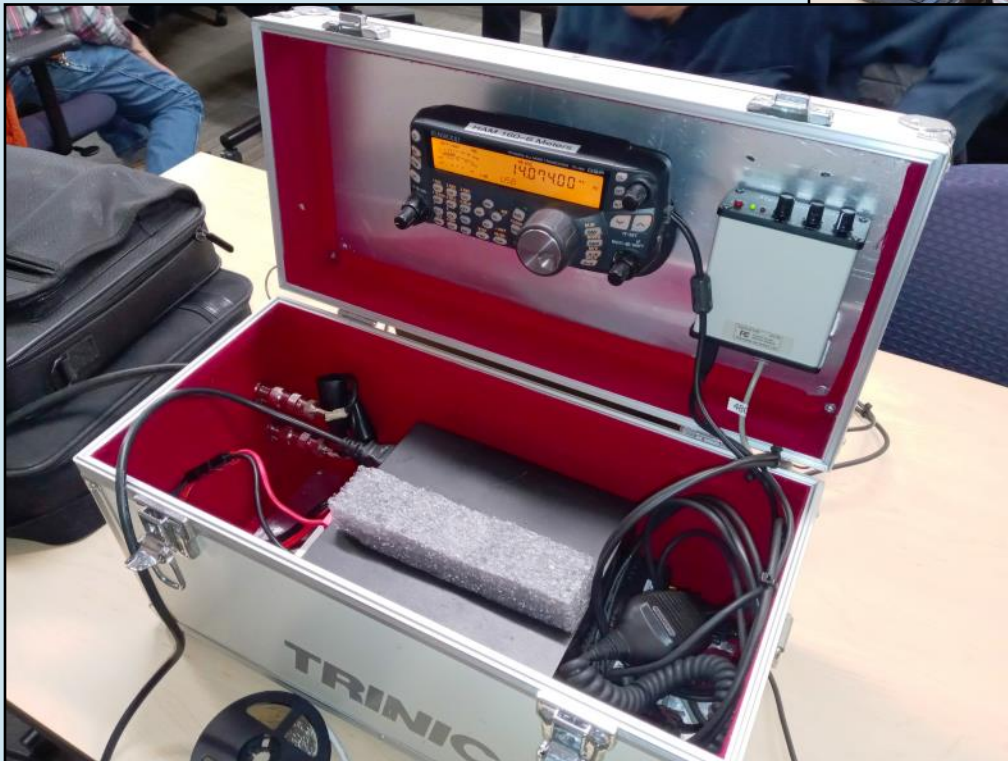
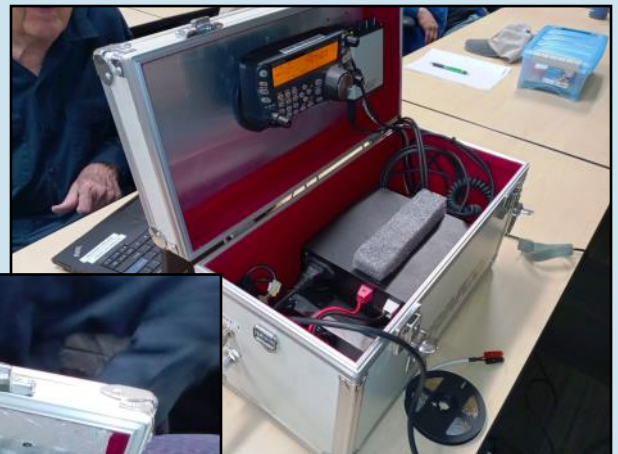
With Lloyd Vandervort N9PRU

A very special thank you to Lloyd Vandervort and his team for the work they put into our club's very first Go Box. Lloyd had it on display on display at the May meeting in fully operational condition. The unit is capable of full battery power, voice and FT8, with a portable antenna that can be used anywhere! Lloyd was making long distance FT-8 contacts in the room during the meeting.

This unit is fully self contained and it will be getting a workout during Field Day. But there is one other exciting thing this Go Box will do.

If you are a beginning Ham and you would like to get some experience on the air, you will be able to borrow the Go Box along with the antenna and laptop computer anytime you like as long as you are a member in good standing. You can practice with it, take it camping, or even if your rig is down and you need a radio to borrow, it will be available for your use.

Contact Lloyd Vandervort for more information. Thanks again Lloyd!





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Dr Jack Heil KG9IN

heilj@uwosh.edu



UPCOMING FIELD DAY - JUNE 24-25, 2023

I would like to take a moment to emphasize the importance of attendance at Field day. Now you DON'T have to be there for 26 hours straight. But, support during setup and teardown is essential. Also, these times are when most learning regarding the quick setup of antennas, alternative power supplies, ground systems, etc. It takes many hands to set up equipment properly. and we will find a job for you.

After setup time, you will have the opportunity to operate with the help (or hindrance) of "seasoned operators". Logging for an operator is always needed and is a good way to develop and "ear" for the calls. Food and beverage will be supplied. But, bring your own chair and favorite mosquito repellent so you can enjoy a quiet afternoon with friends who hold similar interests to yours. City and state dignitaries as well as TV stations have been invited and do show up sporadically.

Teardown and 1:00 PM Sunday goes 5 times as fast as setup. ...if we have enough hands. Support the leaders in the club by helping the tear down. We are often done in an hour. Don't forget to take your chair, bug repellent and dish-to-pass. See you there.

Field Day Plan and Equipment List Operating this year as **2A + GOTA**

Emphasis is on **TRAINING** as well as collecting as many points as possible.

Help needed:

9 AM Saturday, June 25 for setup. Observe the raising of antennas and radio setup. Full operation starts at 1:00 PM.

1:00 PM Sunday, June 26 for teardown. Many hands make light work.

Between setup and teardown, plan to operate or assist as logger.

Shelter

Phone Tent – Need a solution!

Digital Tent – New trailer, also to include **GOTA (Get On The Air)**

Food Tent – We'll use our 10' x 20' tent. Tables are borrowed from UW. Bring a dish-to-pass that does NOT need refrigeration or heating. Dennis Paulin is bringing a hot dish. Water and sodas will be provided as well as buns, condiments, plates, cups, napkins, etc. German potato salad (vinegar based), cookies, cakes, j, and chips are a few suggestions for items to share. (Bring your own chair.)

Comments: We are now on the **ARRL FD Locator** website. We expect guests and dignitaries after 2:00 PM Saturday. Yes, dignitaries are guest too! We will need help guiding the public.

Thank You for Being a FARC member

Dues are \$15 for individuals, \$7.50 for students and family memberships are \$20. You can pay Doug Schultz at any meeting. Sign up a new or expired member that has been away for more than a year and you will get your dues FREE of charge with the "23 in 23" incentive program. Send your dues or application (attached in newsletter) to:

Doug Schultz N9EZF
Fond du Lac Amateur Radio Club,
P.O. Box 53,
Fond du Lac, WI 54936



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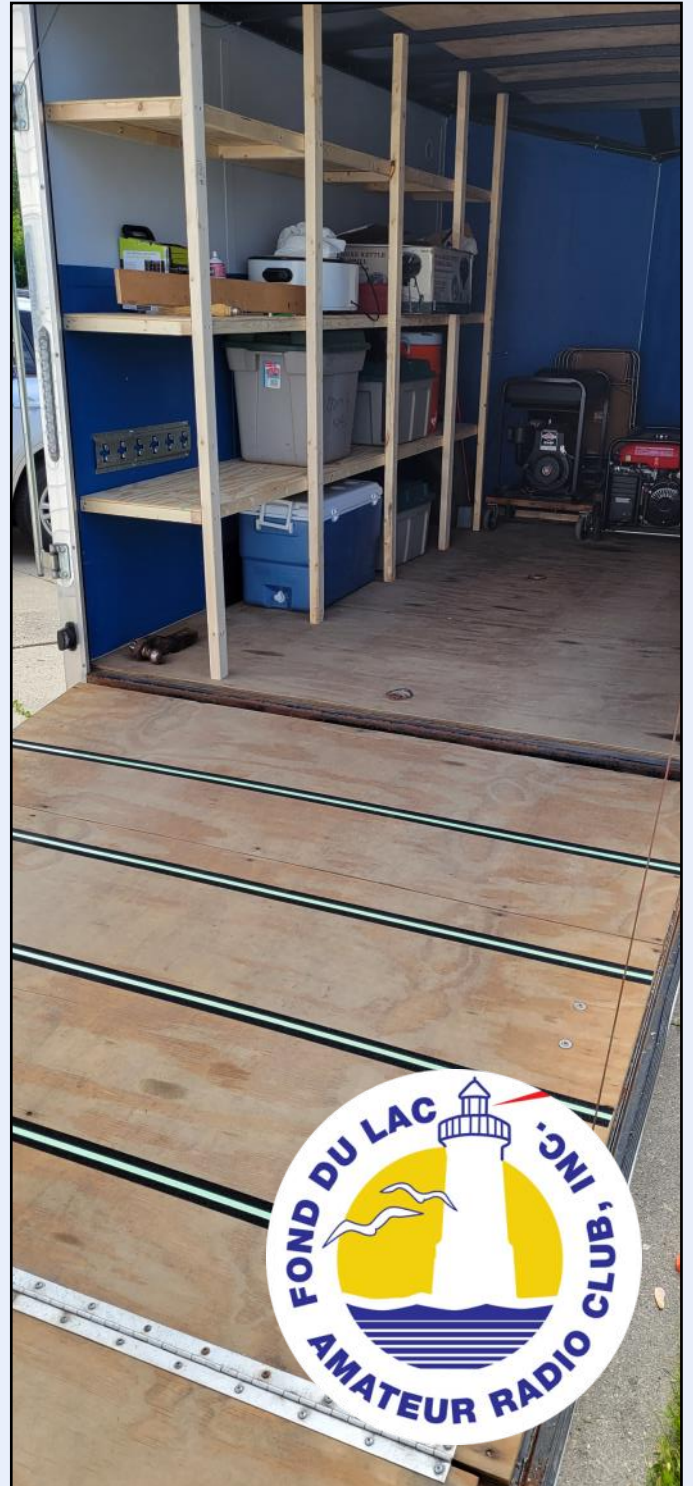
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Making Progress with The Trailer

Justin Buell KB9YET

Here's the progress so far on the trailer. I did discover a few items we should get for the trailer, a jack and a 21mm lug wrench in case of a flat tire. We should get a decent size battery and solar panel to run on in an emergency till the generators are up and running. And we should get a bunch of matching bins so it is not a mix match of random boxes and bins. I included a picture of the type of bins that I bought for the clubs 10x20 tent, I got those from fleet farm and they are solid and seal nicely. If you would like to donate anything for the trailer please contact Justin Buell at kb9yet@yahoo.com.





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Lighthouse Activation

As press time for this newsletter nears, we are still planning an activation of the FDL Lighthouse in Lakeside Park. The renovation of the grounds around the lighthouse have been almost completed with just a few more plants and traffic signs needed. The lighthouse itself is still undergoing maintenance work as can be easily seen by the siding work on the outside.

We would like to have an activation using the new Go-Box under Lloyd Vandervort's (N9RPU) instruction before Filed Day. Since Walleye Weekend is June 9-11, the only available weekend for us to have an event would be sometime on the weekend of June 17-18.

The idea behind this activation is multifold. We would like to work out any bugs in the Go-Box, allow club members to learn how to properly use the equipment as well as give hams experience operating on HF prior to field day, log another lighthouse activation and lastly (and most importantly) have fun.

Lloyd will be doing reconnaissance in the park to look for power and antenna locations we can use. We will also watch the weather forecast to pick a nice day and schedule a few hours when a good number of the membership can stop by. I encourage you to attend the club meeting at which time we are likely to have an update in the planning.

Bob Burrier N2TSQ

"23 in 23" MEMBERSHIP DRIVE

With Phil Schmahl W9MW

Phil has reported to the newsletter that all of the post cards have been sent out to Hams all over the Fond du Lac, Winnebago county area. Hopefully we can increase our membership with this mailer. If you want to help with finding new members for the club, please contact Phil Schmahl W9MW and offer your services as membership volunteers.





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ARES/RACES

With Stan Piekarczyk K9STN East Central DEC



Amateur Radio Antennas in Hospitals

Why are there amateur radios and antennas installed in many of Wisconsin's hospitals?

After the 2001 9/11 attacks, many hospital and state emergency managers were concerned about effective communications from Incident and or mass casualty sites to hospitals. Adding in a threat of natural disaster or terrorist act damaging phone and internet connections, and a need for back up communications came to light.

In 2004 Wisconsin ARES/RACES was approached by Wisconsin Department of Health Services (WI DHS) on getting radios installed in hospitals and then practicing and training with the hospital Emergency Management/Safety staffs. A grant was in the discussion from DHS to the hospitals to purchase equipment.

In 2005 we started installing 2 meter and, in some cases, dual band VHF/UHF radios in hospitals. WI ARES/RACES let each county Emergency Coordinator (EC) work with area hospitals on equipment and locations. Most of the equipment was installed on the EC recommendations by hospital employees. Locations varied by hospital EM staff. In most locations the equipment was installed near the Emergency Operation Center (EOC) and in others near the emergency room or ambulance entrance. Use of the ARES groups and equipment varied widely. This was not the best idea.

During the years since, County EC's and hospitals practiced intermittently without a wide area agreement on what the amateur operators were to communicate. Various hospital corporate systems viewed back up communications systems differently. Various semi-formal hospital coalitions based on regions were formed.

In 2014, Wisconsin established seven Healthcare Emergency Readiness Coalition regions (HERC) to coordinate how public health, healthcare institutions, and first responder agencies, such as police, fire and emergency medical services (EMS), will manage their efforts to enact a uniform and unified response to an emergency, including a mass casualty or other catastrophic event. Each HERC is made up of healthcare organizations, public safety and public health partners that work together to assist with large scale emergencies. <https://www.dhs.wisconsin.gov/preparedness/healthcare/index.htm>

Implementation of the HERC regions gave ARES a chance to work out a standardized communications format with all the hospitals. Then came COVID. Many procedures and personnel in hospitals have changed since COVID and we are in the process of testing and upgrading equipment. We are also placing placards on our radios and antenna drops so future hospital personnel know what it is and whom to contact.

As we are now in the post-COVID world, East Central ARES/RACES we has resumed meeting with the Fox Valley and North East HERC regions. On May 16 we participated in a tabletop exercise with Brown/Kewaunee ARES and Michigan ARES/AUXCOMM. We did just a couple of messages on HF 75 meters and WININK. The hospitals in Michigan and WI NEW Herc were impressed with our abilities to work without internet and phones. On June 6 Outagamie and Winnebago ARES will be participating in a Fox Valley HERC Surge exercise using WINLINK and VHF for a small-scale test demonstration. We will then work on a permanent yet flexible communications plan to expand through out the East Central ARES/RACES district, the NEW HERC, FV HERC regions-and beyond.

Some training plans will be coming up. We will receive training on the Health Insurance Portability and Accountability Act of 1996 (HIPAA). This federal law required the creation of national standards to protect sensitive patient health information from being disclosed without the patient's consent or knowledge. More on this in the future.

We will have several practice drills at the hospitals which may include activity for two airport full scale exercises later this summer. More on that when we get more information.

Please join us in the drills and we can all prepare for the mass casualty event we all pray never occurs. 73
Stan Piekarczyk K9STN





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Fox Hunt



PROPOSAL



FARC Fox Hunt Huge Success

On page 3 of the newsletter, we have an article about the very first Fox Hunt in the planned series of hunts developed by our president Bob Burrier N2TSQ. Lots of fun was had by all, and everyone commented on doing this again! So here is a proposal that we will vote on as a club at the June meeting.

- 1) We need a event manager to volunteer to run the Fox Hunt. This will be a fun volunteering job for someone in the club.
- 2) We will set a total of 4 Fox Hunts for the 2023-2024 season. Always on a weekend. Spring, Summer, Fall, Winter.
- 3) We need a collection of equipment—small things
- 4) Set up the rules and regulations for the event. Certificates of achievement, possible items to win!

This could just be a club function or this could be big! We could make this a statewide event with other Hams and electronic enthusiasts. Come to the June meeting and talk about it! Would you like to chair this? Contact Bob at bobburrier@yahoo.com.

Congratulations Lloyd Vandervort & Ron Keller



For Winning the May Fox Hunt for 2023



Wisconsin QSO Party 2023 Results



This is a sample page from the report. The report itself is very large and can not be put in the newsletter. But it is available on our Facebook page to download and look at. You can send me an email to backstagelive@gmail.com and I will send you the complete report.

Summary

What fantastic results were received compared to 450 logs last year. An all-time record was set for in-state logs received, 205 logs submitted from in-state participants. Submissions from outside Wisconsin totaled 296, a decline from the record high of 367 in 2021. Current records date back to 1996. Terrestrial weather was a mix of fair/good driving to challenging winter driving conditions. Extra thank-you's go out to mobiles operating north of a line from La Crosse to Sheboygan, facing the most difficult driving circumstances.

Category Winners

In WI	Callsign	Name	State	Home Cty	Cate-gory	Score	CW Q's	PH Q's	RY Q's	QSOs	Mults	Power
Yes	K9MU	Justin Glasener	WI	EAU	SOF	175240.0	347	418	0.0	765	105	LOW
Yes	N9SD	Scott Dawley	WI	WAU	SOM	186900.0	825	0	0	825	72	LOW
Yes	WQ9F	Kevin Duffy	WI		SOR	72824.0	0	588	0	588	82	LOW
Yes	W9ET	Yellow Thunder ARC	WI	SAU	MOF	104964.5	259	233	0	492	93	LOW
Yes	WO9B	Michael Johnson	WI	WAU	MOM	159987.0	741	0	0	741	69	LOW
Yes	K9M	D. White, M. Martens	WI	EAU	MMM	106264.0	204	408	0	612	86	LOW
Yes	W9MVA	Mississippi Valley ARA	WI	LAC	MMF	248454.0	357	688	0	1045	118	LOW
No	W9QL	David Pritchard	IL		SOF	30644.0	57	230	0	287	59	LOW
No	W0BH	Bob Harder	OK		SOM	52.5	0	7	0	7	5	LOW
No	N9FAT	Jnise Ramsey	MI		SOR	2854.0	0	54	0	54	34	LOW
No	NV9L/4	Valerie Hotzfeld	FL		MOF	8069.0	39	44	0	83	43	LOW
No	K5LRK	Lake Area Amateur Radio Klub	TX		MMF	280.5	5	7	0	12	11	LOW

Plaque Winners

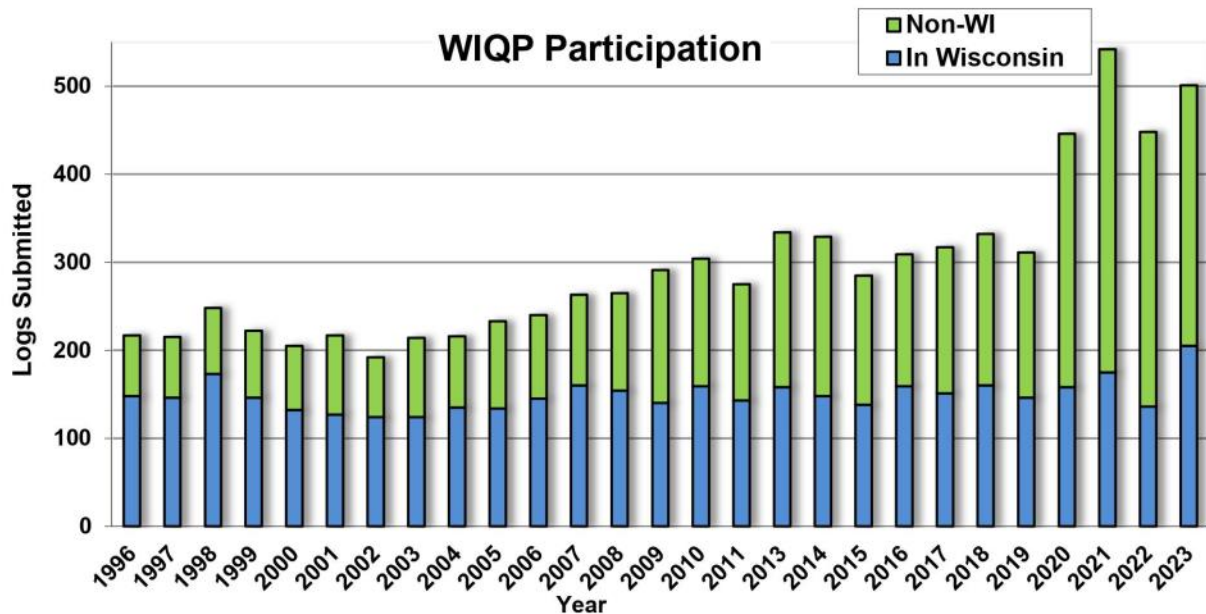
An additional plaque was added to the QSO party in 2023. The QRP award was expanded to an additional QRP plaque, one for in-state and one for outside Wisconsin. Thanks to the Cheeseheads Amateur Radio Club for sponsoring Top Wisconsin QRP plaque and Todd Fonstad's, N9NE, continued support for the now Top QRP-Non-Wisconsin plaque. Thanks to all the sponsors for their continued support making our plaque awards possible.

Plaque	Winner			Plaque Sponsor
	Call	Name	Score	
Top WI Single Op Fixed	K9MU	Justin Glasener	175240.0	<i>Society of Midwest Contesters</i>
Top WI Mobile	N9SD	Scott Dawley	186900.0	<i>Anne Dirkman, KC9YL</i>
Top WI QRP	NK9G	Rick McGaver	103292.0	<i>QRP Cheeseheads ARC</i>
Top QRP-Non WI	N0UR	Jim Lageson	17192.0	<i>Todd Fonstad, N9NE</i>
Top VHF	KD9TQP	Zachariah Monasmith	4968.5	<i>Badger Contesters</i>
Top Non-WI Single Op	W9QL	David Pritchard	30644.0	<i>Chuck Dellis, W9WLX</i>
Top WI Club Aggregate	W9ZL	Fox Cities Amateur Radio Club	385923.5	<i>West Allis RAC</i>

One standing record was broken, Single Op Rookie (SOR). Kevin Duffy, WQ9F, broke the old SOR record score of 53,985 set in 2022 by logging 72,824 points. Nice job and congratulations to all the winners!

WIQP 2023

501 logs were received, up 11% over 2022. Wisconsin stations submitted 205 logs, up a hefty 51%. Non-Wisconsin stations submitted 296 logs, down 5%.



County Activation

Logs received reported QSOs sent from 61 of Wisconsin’s 72 counties. No logs were received from stations operating in Bayfield, Clark, Florence, Forest, Iron, Lafayette, Langlade, Lincoln, Marinette, Oneida, and Rusk counties. 68 counties have reports of QSOs received. Bayfield, Iron, Langlade, and Rusk seem to be absent of any reported QSOs. Driving conditions likely had an impact on these counties being activated despite very good solar conditions. An interesting observation was the activation of all 50 states this year.

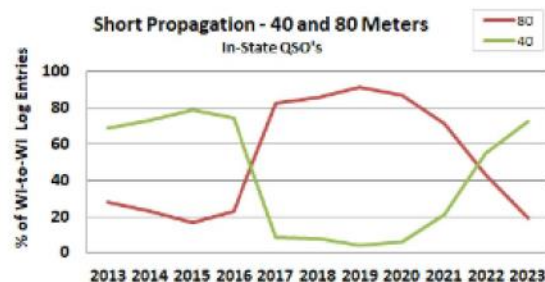
Opportunities exist for ops to get on the air from these low activity counties and cause some pile-ups! If you know of any hams in these counties, let them know how much fun they could be having on the second Sunday in March! If you’re inclined to operate mobile, consider including these counties in your route planning.

Ten counties were activated only by mobiles. This is down by eight counties over 2022. In contrast, 13 mobiles reported 4,921 QSOs in 50 counties vs. 5 mobiles reporting 2820 QSOs in 47 counties in 2022. The increase in mobile activity is good news for the Wisconsin QSO party. Six mobiles logged VHF activity, four were exclusively VHF.

A huge thanks to all the mobiles for getting on the road this year. You take on additional planning and expenses and it is much appreciated! This year’s results will be incorporated into the WIQP county activation data published on the website as it has been in previous years.

Activity by Band

Since 2013, the short propagation on 40 and 80 meters has been analyzed. As the 11th year approaches, it is clear that the solar cycle is a major factor. 40 meters played a significant role this year, staying open until the end of the contest at 0100z. 20 meters was another record setter this year, performing better than any year since records have been kept. Experts predict that solar maximum is still 2 years away. This is fantastic news; the bands should be in great shape for quite a while.

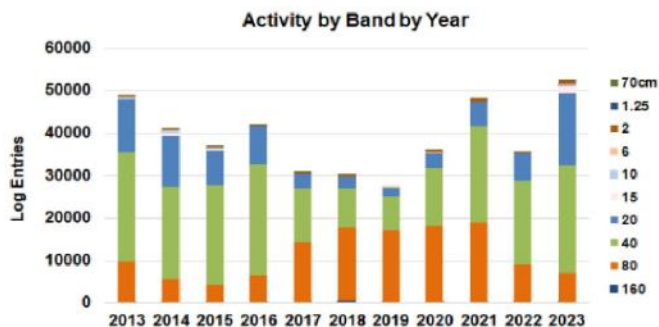


Category Results

Single Op Rookie (SOR)

Twenty-one Rookie logs were received from Wisconsin stations this year compared to thirteen last year. Nine Rookie logs were received from outside the state giving us a total of thirty Rookies.

This year's top Rookie is Kevin Duffy, WQ9F. Kevin is from Chicago, but was operating in the WIQP from Walworth County. He made an impressive 588 phone QSOs for a score of 72,824. Kevin also set a new record for Top Op Rookie.



Single Op Fixed (SOF)

Justin Glasener, K9MU, from Eau Claire County took the top honors in the SOF category this year. He logged 175,240 points on 765 total Q's. In second place was Scott Jasper, NE9U, operating from Dunn County at 161,093 points on 683 Q's. Both scores contributed to the aggregate score for the Chippewa Valley VHF Contesters Club. Congratulations to Justin and Scott as well as all 153 Wisconsin station entering in the SOF category.

Multi-Op Fixed (MOF)

The MOF category had twelve entries this year with first place being awarded to Yellow Thunder Amateur Radio Club, W9ET, operated by Joe and Linda Mayenschein, WB9SBD and KA9CHM, from Sauk County. They turned in 104,964.5 points on 492 Q's.

In second place was Bruce Richardson and Janice Hoettels, W9FZ and KA9VVQ, scoring 103,850 points on 554 Q's. As in past years, they operated from Vernon County.

Congratulations to both of you and all twelve MOF category groups.

Multi-Multi Fixed (MMF)

2023 yielded two groups competing in the MMF category. The top spot in this category goes to the Mississippi Valley Amateur Radio Association team, W9MVA, with an impressive 248,454 points on 1,045 Q's. Their team members include Scott Neader, KA9FOX, Mitchel Schultz, WB0GKH, Tom Speropulos, WA9TS, Craig Goldbeck, N9ETD, Steven Miller N9SJM, and Joshua Larson, KD9QKX.

Second place in the category was Bob Schmidt's, N9GMT, FM38 Repeater Group team. They scored 85,615 points on 546 Q's. The FM38 Repeater Group included Bob Schmidt, N9GMT, Emil Devcic, N9FBF, Chris Rozman, KD9JAI, Steve Dryja, NO9B, and DeWayne Griffith, N9DEG.

Single-Op Mobile (SOM)

Thirteen mobiles participated in the Wisconsin QSO party this year, nine SOM, two MOM, and two MMM. The first place SOM was Scott Dawley, N9SD, with a commanding 186,900 points on 825 Q's. Following Scott was Mark Seyffer, KB9S, with 160,122 points on 746 Q's. Also noteworthy were four mobiles with a significant amount of VHF activity operating in the Fox Valley.

Special thanks to the Minnesota mobiles and those operating in the northern half of Wisconsin for battling the difficult driving conditions.

Multi-Op Mobile (MOM)

The WO9B team turned in an impressive score of 159,987 points on 741 Q's, securing the MOM first place spot. The crew included Mike Johnson, WO9B, Michael Falk, AA9RK, and Frank Humpal, KA9FZR.

Second place was W9UP, the Riverland Amateur Radio Club group consisting of Drew Neve, AB9NE, Daniel Abts, AB9TS, and Ricky Kolter, KD9GVS. They logged 307 Q's resulting in a score of 40,203 points.

Multi-Multi Mobile (MMM)

Special event call K9M was used by Dave White, KZ9V and Michael Martens, KB9VBR in their MMM operation from Northwest Wisconsin. They completed 612 Q's for 106,264 points, taking first place.

Second place was garnered by the Northeast Wisconsin Amateur Radio Club, K9TIT. The K9TIT team included Tim Hale, KC9FSH, Andrew Skjoldager, KC9IZF, and Nathaniel Welch, AB9TE. They made 437 Q's for a score of 57,440 points.

Thanks go out to all those going mobile! The personal expenses incurred and the extra effort needed to make it happen is much appreciated. Those of us operating fixed stations enjoy chasing you into that next county and working you over and over again!

Top Non-Wisconsin Single-Op

This year's out-of-state leader was David Pritchard, W9QL, hailing from Illinois. With 287 Q's and 30,644 points, David secured the top position. In second place was another Illinois operator, Pete Walter, K9PW. Pete came in with a score of 27,049 on 224 Q's. The logs from outside Wisconsin continues on a slight decline with 296 logs vs. 312 last year, despite fifty states and eleven provinces showing activity. We enjoy hosting the out-of-state hams and hope to see more of you next year.

Top QRP Station

Great propagation was had for QRP operation this year! There were 37 (11 in-state, 26 outside WI) QRP entries this year vs. 15 last year. The timing could not have been better for changes to the WIQP QRP award.

In Wisconsin

Rick McGaver, NK9G, was the top QRP station in Wisconsin with 103,292 points on 355 Q's. Dan Alwin, KE0TT, was the runner up with 26,560 points on 118 Q's.

Non-Wisconsin

Jim Lageson, N0UR, took first place for the top QRP station outside Wisconsin with 17,192 points on 117 Q's operating from Minnesota. Ben Cahill, AC2YD, had second honors with 15,020 points on 95 Q's operating from New Jersey.

Top VHF Station

VHF activity was much higher this year. 60 logs had Q's made on 6m or above represented by 5 bands, 6m, 2m, 220, 440, and 900. The Fox Cities Amateur Radio Club was instrumental in bolstering this activity by activating a group of mobiles and fixed stations.

First place was Zachariah Monasmith, KD9TQP with a VHF score of 4,968.5 points from 89 Q's. Randy Plachinski, KD9CLI, came in second with 1,912.5 points on 55 Q's.

Club Competition

Aggregate club scores were very competitive in 2023 and the Fox Cities Amateur Radio Club was awarded first place with an aggregate score of 385,923.5 points with a 26-member contribution. In second place was the West Allis Radio Amateur Club with an aggregate score of 355,050.5 with a 10-member contribution.



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— FDL 73 —

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Treasurer's Report

Month of May 2023



	Previous Month	Income & Expenses	Current Total	Cash	Savings Account	Checking Account	CD	Other
FDL RADIO CLUB								
Truck Fund	0.00	0.00	0.00			0.00		
Emergency Svc Fund	2,060.60	0.00	2,060.60			1,592.28	468.32	
General Use Fund	6824.83*	-390.05	6,434.78			5,235.30	1,199.48	
Savings Account	25.00	0.00	25.00		25.00			
Petty Cash Fund	19.12	0.00	19.12	19.12				
TOTALS	8,929.59		8,539.50					
FDL REPEATER ASSN.								
Repeater Fund	154.72	0.00	154.72			0.00	154.72	
TOTALS	154.72		154.72					
* Corrected to checkbook balance								
TOTALS				19.12	25.00	6,434.78	1,822.52	
Income								
							TOTAL	0.00
Expenses								
Risk Strategies	Liability Ins.	Equip. Ins.	ARRL Ins.					278.05
Phil Schmahl	Postage							112.00
							TOTAL	390.05



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Meeting Minutes



Tom Powell KC9VXR

Minutes of May 8 2023 Meeting

The meeting was called to order by President Bob Burrier N2TSQ at 7pm. Members introduced themselves. Membership and recruitment was discussed with Bob commenting that this is "the number one issue for the Club". Phil Schmahl W9MW has sent invitations to all who have tested in the past year but are not members to join the club with 1 year free membership. He asked those interested in offering Ham Radio instruction for the Boy Scout Merit Badge Program to meet with him after the meeting. The new "Go Box" was demonstrated by Lloyd Vandervort N9RPU. This piece of Club equipment is available to any member certified as able to operate it by Lloyd. Use at Field Day and possible Light House activation were discussed as opportunities to become familiar with the equipment.

Joe Scheibinger K9VY demonstrated and led a discussion of Artificial Intelligence applications available on the internet. Usefulness and dangers of misuse were discussed. Cully Kowal KS0D was presented a certificate of appreciation for the work he and his son Brad have done in getting our Club certified as a 501c3 non-profit organization. The Treasurer's Report was given by Doug Schultz N9EZF. A bill for \$278.05 for equipment and liability insurance needs to be paid. A fireproof safe for storing Club documents and valuable items (18.00) as well as a dolly for moving it (\$19.00) have been purchased by Joe. A motion was made by Dave McCumber N9WQ and seconded by Justin Buell KB9YET to pay the bills. The motion carried by unanimous voice vote. A motion was made by Dave and seconded by Phil to approve the Treasurer's report. The motion carried by unanimous voice vote. A motion was made by Justin and seconded by Phil to approve the minutes of the April meeting as published in the Newsletter. The motion carried by unanimous voice vote.

The Trailer Committee will be moving the trailer to Justin's home for outfitting and loading of equipment. Joe will be updating the Club's equipment inventory during this process. Appreciation was expressed to Dick Finn KC9ZVW for storing the trailer in his hangar at the airport over the winter. Appreciation was also expressed to Dennis Paulin KB9OFM for handling the sale of Club equipment in recent months. The need to find a volunteer to manage the Club's website was discussed with Joe offering to demonstrate the simplicity of entering info. Bob displayed his Fox Hunt antenna and announced that a Fox Hunt is planned for Sunday, May 21 at 1:30pm with details to be sent out. Possibility of activating the Lakeside Light House in June before Field Day was discussed with details to be arranged. Starting with the June meeting we will be meeting in room O-122 due to construction at MPTC. A motion was made by Tom Powell KC9VXR and seconded by Phil to adjourn. The motion carried by unanimous voice vote. The meeting was adjourned at 8:30pm.



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heritage

June 23, 2004

FDL Amateur Radio Club takes first place in state contest

The West Allis Radio Amateur Club (WARAC) recently announced that the Fond du Lac Amateur Radio Club had taken first place in the 2004 WI QSO Party contest that they

Dick Wood presented Fond du Lac Amateur Radio Club President Fran Theisen with the first-place plaque at this meeting.

Wood also presented first place certificates in the



Mult... Technicians... class to Andy Martin and Peter Fox of Fond du Lac and Ed Beltz of Waukegan. The Fond du Lac Amateur Radio Club scored 425,414 points with 11 members participating in the contest. The objective of the WI QSO Party is to work as many of Wisconsin counties as possible since they multiply 10 states and provinces work it as multipliers per of contacts or you make during a-hour contest is (by your multipl) your total points. Fond du Lac Radio Club has taken first place in the WI QSO Party competition of the last five years.

ACTION ADVERTISER, June 23, 2004 - Section 8, Page 5



The Fond du Lac Amateur Radio Club has taken first place in the 2004 WI QSO Party contest sponsored by the West Allis Radio Amateur Club. This very popular contest was held on March 14 and 15 with a total of 12 Wisconsin clubs competing. The Fond du Lac Amateur Radio Club scored 425,414 points with 11 members participating in the contest. Andy Martin, Peter Fox and Ed Beltz received certificates from Dick Wood of WARAC.

Wood and Tom Theisen presented the June meeting of the Fond du Lac Amateur Radio Club to the club and members for the first time in the 2004 WI QSO Party.

Sponsor... The contest was held on March 14 and 15 with 12 Wisconsin clubs competing. The Fond du Lac Amateur Radio Club scored 425,414 points with 11 members participating in the contest. The objective of the WI QSO Party is to work as many of Wisconsin counties as possible since they multiply 10 states and provinces work it as multipliers per of contacts or you make during a-hour contest is (by your multipl) your total points. The Fond du Lac Radio Club has taken first place in the WI QSO Party competition of the last five years. Dick Wood presented the June meeting of the Fond du Lac Amateur Radio Club to the club and members for the first time in the 2004 WI QSO Party.



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FARC RECORDED MEETINGS by Lloyd Vandervort N9PRU

CLICK HERE

FARC - W3AO Field Day Presentation

CLICK HERE

FARC - Bob Heil Ham Radio Presentation

CLICK HERE

FARC - WWV Presentation

CLICK HERE

FARC - Pacific Antenna Talks Kit Building

CLICK HERE

FARC - Scanner Master Presentation

CLICK HERE

FARC - WBAY Field Trip TV (11/17/15)

CLICK HERE

FARC - WBAY transmitter tour

CLICK HERE

FARC - NooElec

CLICK HERE

FARC - Elecraft Radio

CLICK HERE

FARC - Ed Tobias & Morse Code

CLICK HERE

FARC - Salvation Army Emergency Communications

CLICK HERE

FARC - KFIZ, Morning Show with Bob Hoffmaster

CLICK HERE

FARC - HAARP interview from Alaska

CLICK HERE

FARC - The "DZ Kit" Ham Radio Kits (02/12/2018)

CLICK HERE

FARC - Christmas Island DXpedition with Bill Kendall (04/09/18)

CLICK HERE

FARC - Restoring Old Antique and Classic Radios (5/17/2019)

CLICK HERE

FARC - SDR Radio with Steve Brightman (01/10/2022)

CLICK HERE

FARC - Paul Ewing and his Incredible DXpeditions Around the World

CLICK HERE

FARC - Fond du lac Amateur Radio Club presents Dave Sumner IRAU

CLICK HERE

FARC - Solar Cycles with Carl Luetzelschwab K9LA (03/14/22)

CLICK HERE

FARC - The Collection & Legend of George E. Ulm W9EVT (04/11/22)

CLICK HERE

FARC - Field Day 2022 radio interview on KFIZ (6/20/22)

CLICK HERE

FARC - Radio Deluxe Software with Dr. Carper (7/11/22)

CLICK HERE

FARC - Hiding the Antenna in the Attic with John Portune (8/15/22)

CLICK HERE

FARC - Loop Antennas with John Portune (11/14/22) Nov. Meeting

CLICK HERE

FARC - ARES / RACES with Stan Piekarczyk K9STN (2/13/23)

CLICK HERE

FARC - Going Aboard the U.S.S. Wisconsin (5/10 23)





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Ham Radio Events and Club Activities

06/10/2023 - [LAARC WI9ELK FreeFest](#)
Location: Burlington, WI **Type:** ARRL Hamfest
Sponsor: LAARC / LRA Repeaters
Website: <https://sites.google.com/site/laarcradioclub/>

FARC Meeting at Moraine Park
Monday, June 12, 2023



FARC Lighthouse Activation
June 17-18, 2023



FARC Field Day
June 24-25, 2023



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/>

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>

07/08/2023 - [WI9SM Swapfest](#)
Location: Oak Creek, WI
Type: ARRL Hamfest
Sponsor: South Milwaukee Amateur Radio Club
Website: <http://WI9SM.org>

08/26/2023 - [Circus City Swapfest](#)
Location: Baraboo, WI
Type: ARRL Hamfest
Sponsor: Yellow Thunder Amateur Radio Club
Website: <http://yellowthunder.org>



Incredible Deal
on Ham Radio Equipment

LAST CALL!!!



Proceeds from this equipment will be donated to the club. Please contact Dennis directly if you would like to purchase any of this great equipment. Dennis's email address is rmaflat22@hotmail.com, or you can call him at 920-923-6928. With an amp that big you may get some points for contacting the planet Mars at the next WI QSO Party! If no member wants this it will be sold on Ebay next month.



ELMER

Rich Regent, K9GDF





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AM CLEAR-CHANNEL STATIONS		
Channel Type	Frequency (MHz)	Assignment Old class designation in ()
Clear	940	A,B,D
Clear	940	A,B,D KFI, Los Angeles, CA, Class A (I-A) KYUK, Bethel, AK, Class A (I-N)
Clear	850	A,B,D WSM, Nashville, TN, Class A (I-A) KENY, Anchorage, AK, Class A (I-N)
Clear	860	A,B,D WFAN, New York, NY, Class A (I-A) KFAR, Fairbanks, AK, Class A (I-N)
Clear	870	A,B,D WMAQ, Chicago, IL, Class A (I-A) KBLI, Dillingham, AK, Class A (I-N) KBOI, Boise, Idaho, Class B (II-A)
Clear	880	A,B,D KNBR, San Francisco, CA, Class A (I-B) KBRW, Barrow, AK, Class A (I-N)
Clear	890	A,B,D
Clear	700	A,B,D WLW, Cincinnati, OH, Class A (I-A) KBYR, Anchorage, AK, Class A (I-N)
Clear	710	A,B,D WOR, New York, NY, Class A (I-B) KIRO, Seattle, WA, Class A (I-B)
Clear	720	A,B,D WGN, Chicago, IL, Class A (I-A) KOTZ, Kotzebue, AK, Class A (I-N) KDWV, Las Vegas, NV, Class B (II-A)
Clear	730	A,B,D
Clear	740	A,B,D
Clear	750	A,B,D WSB, Atlanta, GA, Class A (I-A) KFQD, Anchorage, AK, Class A (I-N)
Clear	760	A,B,D WJR, Detroit, MI, Class A (I-A)
Clear	770	A,B,D WABC, New York, NY, Class A (I-A) KCOB, Albuquerque, NM, Class B (II-A)
Clear	780	A,B,D WBBM, Chicago, IL, Class A (I-A) KROK, Nome, AK, Class A (I-N) KROH, Reno, NV, Class B (II-A)
Clear	800	A,B,D
Clear	810	A,B,D KGO, San Francisco, CA, Class A (I-B) WGY, Schenectady, NY, Class A (I-B)
Clear	820	A,B,D WBAP, Fort Worth, TX, Class A (I-A) KCBF, Fairbanks, AK, Class A (I-N)
Clear	830	A,B,D WLLZ, Minneapolis, MN, Class A (I-N)
Clear	840	A,B,D WHAS, Louisville, KY, Class A (I-A) KABN, Long Island, AK, Class A (I-N)
Clear	850	A,B,D KDA, Denver, CO, Class A (I-B) KCV, Nome, AK, Class A (I-N)
Clear	860	A,B,D
Clear	870	A,B,D WWL, New Orleans, LA, Class A (I-A) KSKG, McGrath, AK, Class A (I-N)
Clear	880	A,B,D WCBS, New York, NY, Class A (I-A) KRVN, Lexington, NE, Class B (II-A)
Clear	890	A,B,D WLS, Chicago, IL, Class A (I-A) KBBI, Homer, AK, Class A (I-N) KDXL, St. George, UT, Class B (II-A)
Clear	940	A,B,D
Clear	990	A,B,D
Clear	1000	A,B,D WLJP, Chicago, IL, Class A (I-A) KOMO, Seattle, WA, Class A (I-B)
Clear	1010	A,B,D
Clear	1020	A,B,D KDKA, Pittsburgh, PA, Class A (I-A) KCKN, Rosewell, NM, Class B (II-A) KAXX, Eagle River, AK, Class A (I-N)
Clear	1030	A,B,D WBZ, Boston, MA, Class A (I-A) KTWO, Casper, WY, Class B (II-A)
Clear	1040	A,B,D WHO, Des Moines, IA, Class A (I-A)
Clear	1050	A,B,D
Clear	1060	A,B,D KYW, Philadelphia, PA, Class A (I-A)
Clear	1070	A,B,D KNX, Los Angeles, CA, Class A (I-B)
Clear	1080	A,B,D WTC, Hartford, CT, Class A (I-B) KRLD, Dallas, TX, Class A (I-B) KASH, Anchorage, AK, Class A (I-N)
Clear	1090	A,B,D KAAY, Little Rock, AR, Class A (I-B) WBAL, Baltimore, MD, Class A (I-B)
Clear	1100	A,B,D WTAM, Cleveland, OH, Class A (I-A) KNZZ, Grand Junction, CO, Class B (II-A)
Clear	1110	A,B,D WBT, Charlotte, NC, Class A (I-B) KFAB, Omaha, NE, Class A (I-B)
Clear	1120	A,B,D KMOX, St. Louis, MO, Class A (I-A) KPNW, Eugene, OR, Class B (II-A)
Clear	1130	A,B,D KWKH, Shreveport, LA, Class A (I-B) WNEW, New York, NY, Class A (I-B)
Clear	1140	A,B,D WRVA, Richmond, VA, Class A (I-B)
Clear	1160	A,B,D KSL, Salt Lake City, UT, Class A (I-A)
Clear	1170	A,B,D KVOD, Tulsa, OK, Class A (I-B) WWVA, Wheeling, WV, Class A (I-B) KJNP, North Pole, AK, Class A (I-N)
Clear	1180	A,B,D WHAM, Rochester, NY, Class A (I-A) KOFI, Kalspell, MT, Class B (II-A)
Clear	1190	A,B,D KEX, Portland, OR, Class A (I-B)
Clear	1200	A,B,D WOAI, San Antonio, TX, Class A (I-A)
Clear	1210	A,B,D WPHI, Philadelphia, PA, Class A (I-A) KGYN, Guyton, OK, Class B (II-A)
Clear	1220	A,B,D
Clear	1500	A,B,D WTOP, Washington, DC, Class A (I-B) KSTP, St. Paul, MN, Class A (I-B)
Clear	1510	A,B,D WLAC, Nashville, TN, Class A (I-B) KGA, Spokane, WA, Class A (I-B)
Clear	1520	A,B,D WWRB, Buffalo, NY, Class A (I-B) KOMA, Oklahoma City, OK, Class A (I-B)
Clear	1530	A,B,D KFBK, Sacramento, CA, Class A (I-B) WCKY, Cincinnati, OH, Class A (I-B)
Clear	1540	A,B,D KXEL, Waterloo, IA, Class A (I-B)
Clear	1550	A,B,D
Clear	1560	A,B,D KHZR, Bakersfield, CA, Class A (I-B) WQEW, New York, NY, Class A (I-B)
Clear	1570	A,B,D
Clear	1580	A,B,D



SCANNING THE BANDS

CLIP AND SAVE FOR YOUR SHACK

Clear Channel AM Radio Stations

A clear-channel station is an AM radio station in North America that has the highest protection from interference from other stations, particularly concerning nighttime skywave propagation. The system exists to ensure the viability of cross-country or cross-continent radio service enforced through a series of treaties and statutory laws. Known as Class A stations since the 1983 adoption of the Regional Agreement for the Medium Frequency Broadcasting Service in Region 2 (Rio Agreement), they are occasionally still referred to by their former classifications of Class I-A (the highest classification), Class I-B (the next highest class), or Class I-N (for stations in Alaska too far away to cause interference to the primary clear-channel stations in the lower 48 states). The term "clear-channel" is used most often in the context of North America and the Caribbean, where the concept originated.

Since 1941, these stations have been required to maintain an effective radiated power of at least 10,000 watts to retain their status. Nearly all such stations in the United States, Canada and The Bahamas broadcast at 50,000 watts, with several clear-channel stations in Mexico going as high as 150,000 watts, and XEW in Mexico City having formerly operated at 250,000 watts for over 80 years before moving the transmitter and reducing to 100,000 watts in 2016. Cuba was originally included in the plan and had several stations given clear-channel status, but stopped participating after the Cuban Revolution of 1959.

Sixty medium wave frequencies were set aside in 1941 under the North American Regional Broadcasting Agreement (NARBA) for nighttime use by only one, two or three specific AM stations, covering a wide area via sky wave propagation. These frequencies were known as the "clear channels", and the stations on them are thus clear-channel stations. NARBA set aside 37 Class I-A frequencies and 27 Class I-B frequencies. The Class I-N stations in Alaska shared those same frequencies. Where only one station was assigned to a clear channel, the treaty provides that it must operate with a nominal power of 50 kilowatts or more. These were for the most part Class I-A. Stations on the other clear channels, with two or more stations, must use between 10 kW and 50 kW, and most often use a directional antenna so as not to interfere with each other. In addition to the frequencies, the treaty also specified the specific locations where stations on Class I-B channels could be built.

Daytimers (also known as daytime-only stations) are AM radio stations that are limited to broadcasting during the daytime only, as their signals would interfere with clear-channel and other radio stations at night, when solar radiation is reduced, and medium wave radio signals can propagate much farther. Such stations are allowed three manners of operation after sunset; to sign off the air completely until sunrise, reduce power (sometimes dramatically, to only a few watts), or switch to a nighttime-only frequency (such as the Detroit area's WNZK, which broadcasts on 690 during the day, and on 680 at night). Their broadcast class is Class D. A great number of these stations use FM translators to continue their broadcasts overnight, and some also broadcast on the internet and have separate streams that air when the station's over-the-air signal has signed off.



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

June 2023

WWW.FDLHAMS.COM



Join us on Sunday evenings for our weekly Net - 7:30 PM on 145.430 MHz - Tone 97.4 Hz

And on our 10 meter Net on Sunday's at 6:15 PM 28.450 / Chat on Thursday's at 8:00 PM 28.360

Alex	Balza	KD9TPD
Allen	Caldiero	KD9YBU
Ben	Haack	KD9LVQ
Bill	Hutchinson	KD9TQA
Bill	Kieckbush	KG9IO
Blend	Bowen	KC9VXV
Bob	Wagner	
Brad	Gehrt	KA9JDE
Brad	Freund	KC9QYP
Brad	Hansen	W9BLH
Brian	Turkiewicz	KC9LFR
Buddy	Larson	KC9UVJ
Carl	Luetzelschwab	K9LA
Chris	Weed	KD9VNB
Chris	Lehner	N9SBQ
Chuck	Mahnke	K9HXI
Cully	Kowal	KS0D
Dave	Witt	WD9W
Dave	Harms	KD9TZH
David	Zittlow	K9DUI
David	McCumber	N9WQ
Dawn	Krause	KD9CAW
Debra	Drees	
Dennis	Paulin	KB9OFM
Dennis	Weber	KD9WQH
Derek	Giese	KD9IAN
Dick	Finn	KC9ZVW
Don	Chapman	KC9KZQ
Donald	Bakke	KD0HCW
Donna	Blend	KC9TFN
Dot	Olig	K9FDL
Doug	Iverson	AC9XW
Doug	Murray	KC9ZVT
Doug	Schultz	N9EZF
Ed	Steinfeld	KB1ZJK
Ed	Beltz	N9PJK
Ed	Sipple	W9VYO
Erling	Gruel	WB9OJD
Fernando	Salazar	KC9ZVX
Frank	D'Imperio	KD9OXO
Fred	Lloyd	AA7BQ
Gabriel	Meyer	K9GSM
Gabriel	Stark	N9NEZ
Gabriel	Baio	
Garrett	Leach	KD9WQJ
Gene	Peterson	KD9IAG
Grant	Hansman	AD9CC
Gregory	Schmude	KD9EHB
Isaac	Lundberg	KD9FPG
Jack	Heil	KG9IN
James	Scovronski	N9WAM
Jeff	Lane	KD9SIM
Jeff	Bechner	W9MSE
Jeffrey	Smith	KD9IMK
Jeremiah	Alderden	KC9SGL
Jim	Balthazor	K9AIX
Jim	Cole	N9WAP
Joe	Scheibinger	K9VY

FARC Membership Roster Alphabetized by *FIRST NAME*



These are the devoted members of one of the best Amateur Radio Clubs in the Midwest, dedicated to community service, and dedicated to preserve and protect one of the greatest hobbies in the world.

Amateur Radio operators come from all walks of life -- doctors, students, kids, politicians, truck drivers, movie stars, missionaries and even your average neighbor next door. They are of all ages, sexes, income levels and nationalities. Whether through Morse Code on an old brass telegraph key, voice communication on a hand-held radio or computerized messages transmitted via satellite, all hams use radio to reach out to the world and serve their fellow man.



Fond du Lac Amateur Radio Club Newsletter

Joe	Lauber	KC9MDY
John	Livingston	KD9WOY
Justin	Buell	KB9YET
Keith	Schwefel	K9WAF
Kevin	Teutschmann	KD9WQE
Kirk	Everson	KC9FZE
Larry	Lamont	KB9POP
Larry	Mielke	KC9RUE
Larry	McDermott	WD9BAJ
Laura	Yates	
Laurie	Winchell-Beltz	KC9YQS
Lee	Clausen	KC9ZVZ
Lloyd	Vandervort	N9RPU
Marjean	Buck	KC9LFI
Mark	Forss	WD9CYM
Mark	Soboleski	KD9WFF
Mathew	Yates	KD9CSD
Matthew	Zimmerman	KD9KTY
Michael	Meyer	KD9YBN
Michelle	Lawrence	N9RQL
Mike	Kraus	KD9UWD
Mike	Lawrence	N9UA
Nate	Kvalnick	
Neal	Buck	KC9LFN
Patrick	Knowles	K9ZPU
Paul	Bleuel	KC9NAA
Paul	Tvrdy	N9KLL
Pete	Leonard	AA9UU
Peter	Fox	KB9WZD
Phil	Schmahl	W9MW
Randy	Nelson	KC9MYG
Ray	Grenier	K9KHW
Raymond	Teschke	KD9QLE
Reinholt	Aschmotat	N8VDH
Richard	Jarzyynka	KD9EMX
Richard	Regent	K9GDF
Robert	Burrier	N2TSQ
Ron	Keller	KC9YVL
Scott	Kreis	
Steve	Weinert	K9ZW
Steve	Smith	W9GPI
Ted	Gustavus	KD9IAH
Ted	Neuburg	W9LUQ
Ted	Willett	W9NHE
Tim	Brusky	N2TIM
Tim	Winslow	N9ICD
Timothy	Braun	W9AAV
Todd	Beay	AC9EX
Tom	Trethewey	KC9ONY
Tom	Powell	KC9VXR
Tom	Karrmann	KC9VZY
Tom	Murray	N0HOR
Tom	Pachner	W9TJP
Tom	Sturtevant	
Tony	Pass	KC9QYR
Travis	Brockman	KD9WQB
Walter	Meyer	K9WKM
Walter	Drees	KD9JAD
Wendy	Kudrowicz	



FOND DU LAC AMATEUR RADIO CLUB, INC.

www.fdlhams.org • E-mail: fdlhams@fdlhams.org
PO Box 53 • Fond du Lac WI 54936-0053



MEMBERSHIP INFO & APPLICATION

*Please Print All Information
Complete both sides of this Application*

Call _____ License Class _____ Date _____

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Cell Phone _____

E-mail Address _____

Sponsor Name

Do you have a web site? If so, list here _____

Membership Dues

Individual Dues are \$15 per year. Full-time student membership is \$7.50 per year. Family memberships are \$15 per year plus \$5 for each additional family member--if your spouse/son/daughter is licensed, please have him/her complete a separate Membership Application. Dues are payable upon acceptance of your Membership Application by vote of the membership at a Regular Meeting, and at the first meeting in January of each year thereafter.

NOTE: Dues for NEW members are pro-rated if joining after July 1st:

Individual \$7.50 Student \$3.75 Family \$10 + \$2.50 for each additional family member

Membership Application

I hereby apply for membership in the Fond du Lac Amateur Radio Club, Inc. I agree to abide by the Constitution and By-laws of the Club. And, recognizing that an organization does not run itself, I agree to serve on any committee or in any elected office to which I can give the proper time and attention, to the best of my ability. I understand that, as a member, I am expected to help at all events, including fund raising events that are sponsored by the Club. I will conduct myself appropriately both on the radio and in person so as to set a good example for other hams as well as the community.

Signed _____ Date _____

Please bring your Membership Application to a regular Club Meeting or
mail it to the Club at the address on the top of this page.

Background and Interests

Please tell us a little about yourself: Where you work; married; children; what other hobbies you are interested in?

Please tell us a little about your "ham shack" and your interests in the Amateur Radio hobby. (Radio equipment, antennas, DX, contesting, rag chewing, HF, VHF, UHF, Packet, RTTY, Microwave, EME, satellite, emergency preparedness, etc...) If not yet licensed, are you into shortwave listening?

How did you hear about the Club?

Security Preferences

- Do you want your phone number listed in the on-line Club Directory? Yes No
- Do you want your cell phone number listed in the on-line Club Directory? Yes No
- Do you want your E-mail address listed in the on-line Club Directory? Yes No

Interests

- Are you a member of the ARRL (American Radio Relay League)? Yes No
- Are you interested in Emergency Services (ARES/RACES)? Yes No
- Are you interested in weather spotting (SKYWARN)? Yes No

The Club maintains several standing committees. Please indicate any that you would be interested in serving on (you may check more than one): Testing Contesting Communications Van Public Service Fund Raising Repeater Field Day Program TVI Education/Scholarship Contesting Web Site Publicity/Newsletter On-Air Nets