



# FOND DU LAC AMATEUR RADIO CLUB

## — FDL 73 —



www.fdlhams.com

March, 2022

Join Us On Sunday Evenings For Our Weekly Net — 1930 hrs. 145.430 MHz — Tone 97.4 Hz

### 2022 Club Officers

President:	Dave McCumber N9WQ
Vice-President:	Joe Scheibinger K9VY
Secretary	Lloyd Vandervort N9RPU
Treasurer	Doug Schultz N9EZF
Sgt-at-Arms:	Paul Buell KC9NAA
Board Member	Justin Buell KB9YET
Board Member	Ron Keller KC9YVL
Board member	Bill Kieckbusch KG9IO

### Committee Chairs

Contesting	Jack Heil KG9IN
Education	Jack Heil KG9IN
Scholarship	Jack Heil KG9IN
Field Day:	Jack Heil KG9IN
Parades	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
TVI	Lloyd Vandervort N9RPU
Web Site:	Tim Braun W9AAV

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 N9KLK - Tom Powell KC9VXR  
Pete Leonard AA9UU

### Mailing Address

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PO Box 53  
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#### Newsletter Submissions:

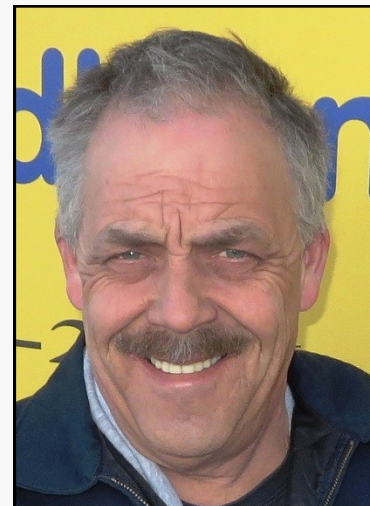
Please email Editor Doug Schultz N9EZF  
schultz74@charter.net

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

## THE PRESIDENTS CORNER

*By: Dave McCumber N9WQ*

**HELLO EVERY ONE  
FROM SUNNY BEAUTIFUL DOWNTOWN  
NORTH FOND DU LAC!**



Hope this letter finds you all in great health and wealth!

The summer is coming and this months extravaganza will be the Wisconsin QSO party. This is the only contest that I worked that I have not missed it in years. and I always have a great time doing it. With that said, this year might be a bit different because the high bands are opening up almost every day now so the opportunity for success is better! I don't know about you guys & gals, but I welcome spring / summer for several reasons. First, let me say that 2 weeks ago when we had the ICE storm and high winds I lost the vertical at the shop. Peter Fox came by the other day and took it down so I can repair it goes back up So winter has been hard on the ole antennas! With that said I will be raffling off a PROCOMM12 vertical antenna for someone to get on the high bands with stay tuned for more info from the MARCH MEETING. SEE YOU THERE AND BRING A FRIEND!!!!

## Our Next Meeting Is March 14

**When: Monday March 14, 2022 at 7:00 pm**

**Where: Moraine Park College (see page 2)**

**235 N National Ave, Fond du Lac, WI**

***Please Bring a Friend (or new member) to the meeting!***



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### WHAT'S INSIDE?

#### ENTERTAINMENT SUNSPOTS!

President's Corner by Dave McCumber

Meeting at Moraine Park Room A-112

Sunspots with Carl Luetzelschwab

Sunspots Defined

Sunspot Cycles

Member Highlight Dave McCumber

FARC Swap Meet Official Poster

Wisconsin QSO Party

Treasurers Report

Secretaries Report

Next Chews and Brews Scheduled

LOST Video Tape from 2014 FOUND!

Ham of the Year Heritage

22 in 22 Membership Drive

Upcoming Events

FARC Downloads

Scanning the Bands

### MEETING ROOM A-112



#### Moraine Park Meeting Room A-112

We will be meeting once again in the World Room at MPTC. Because of the construction, please use the main front entrance the FARC and park in the main parking lot on the south side of the school. Use the main entrance.



#### Official FARC Goody Table Set Up At Meeting (in March)

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 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](mailto:backstagelive@gmail.com).



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**ENTERTAINMENT** Through Education

**SUNSPOTS**

with

**CARL  
LUETZELSCHWAB  
K9LA**

ARRL CENTRAL DIVISION DIRECTOR



Sunspots are on the docket this month for our Entertainment through education series. Our March meeting will feature Carl Luetzelschwab K9LA. Many of our local Hams are happy the 10-12 meter bands have opened up because of the sunspot activity. We will find out why this happens at the March meeting.

Carl Luetzelschwab K9LA started his radio career as a short wave listener in the late 1950s, and was "licensed" as WPE9BQH with Popular Electronics. He received his Novice license (WN9AVT) in October 1961, and selected K9LA in 1977. Carl is an electrical engineering graduate of Purdue University and was an RF design engineer for Motorola and Magnavox/Raytheon until his retirement in 2013. Carl enjoys propagation research, DXing (he's at the Top of the Honor Roll), contesting (he was NCJ Editor from 2002-2007), experimenting with antennas and restoring/using vintage equipment.

He and his wife Vicky AE9YL enjoy traveling, which has included DXpeditions to Syria (YK9A in February 2001), to Market Reef (OJ0/AE9YL and OJ0/K9LA in July 2002) and numerous trips to ZF (Vicky is ZF2YL and Carl is ZF2LA). He has received the Bill Orr W6SAI Technical Writing Award, the YASME Foundation Excellence Award and the Indiana Radio Club Council Technical Excellence Award. He has written monthly propagation columns for World Radio and NCJ, and has written solar and propagation articles for many Amateur Radio publications. He was the lead author in the recent update of "The CQ Shortwave Propagation Handbook – 4<sup>th</sup> Edition".

Carl was the Vice Director of the ARRL Central Division from 2017-2021. He now serves as the Director of the Central Division, and is on several committees.





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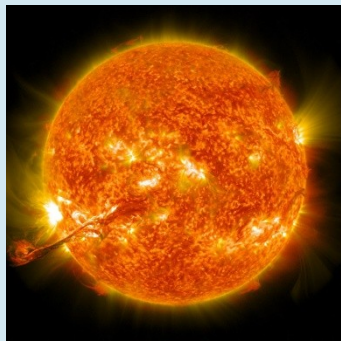
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## SUNSPOTS DEFINED CAN THEY BE PREDICTED?

Special thanks to Carl Luetzelschwab K9LA for accepting our invitation to talk about the Solar Cycles. Here is some information from Wikipedia and other sources on the Web that will be valuable to read before our March presentation for our educational series.

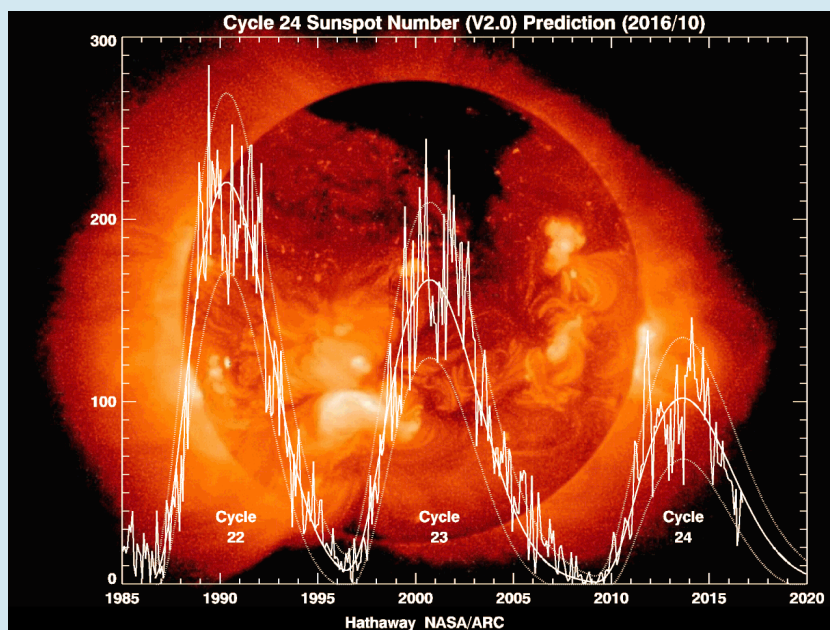
The solar cycle or solar magnetic activity cycle is a nearly periodic 11-year change in the Sun's activity measured in terms of variations in the number of observed sunspots on the solar surface. Sunspots have been observed since the early 17th century and the sunspot time series is the longest continuously observed (recorded) time series of any natural phenomena.

The magnetic field of the Sun flips during each solar cycle, with the flip occurring when sunspot cycle is near its maximum. Levels of solar radiation and ejection of solar material, the number and size of sunspots, solar flares, and coronal loops all exhibit a synchronized fluctuation, from active to quiet to active again, with a period of 11 years.

This cycle has been observed for centuries by changes in the Sun's appearance and by terrestrial phenomena such as auroras. Solar activity, driven both by the sunspot cycle and transient aperiodic processes govern the environment of the Solar System planets by creating space weather and impact space- and ground-based technologies as well as the Earth's atmosphere and also possibly climate fluctuations on scales of centuries and longer.

Understanding and predicting the sunspot cycle remains one of the grand challenges in astrophysics with major ramifications for space science and the understanding of magnetohydrodynamic phenomena elsewhere in the Universe.

Sunspots were first systematically observed by Galileo Galilei, Christoph Scheiner and contemporaries from around 1609. The solar cycle was discovered in 1843 by Samuel Heinrich Schwabe, who after 17 years of observations noticed a periodic variation in the average number of sunspots. Schwabe was however preceded by Christian Horrebow who in 1775 wrote: "it appears that after the course of a certain number of years, the appearance of the Sun repeats itself with respect to the number and size of the spots" based on his observations of the sun from 1761 and onwards from the observatory Rundetaarn in Copenhagen. Rudolf Wolf compiled and studied these and





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other observations, reconstructing the cycle back to 1745, eventually pushing these reconstructions to the earliest observations of sunspots by Galileo and contemporaries in the early seventeenth century.

The period between 1645 and 1715, a time of few sunspots,[4] is known as the Maunder minimum, after Edward Walter Maunder, who extensively researched this peculiar event, first noted by Gustav Spörer.

In the second half of the nineteenth century Richard Carrington and Spörer independently noted the phenomena of sunspots appearing at different solar latitudes at different parts of the cycle.

In 1961 the father-and-son team of Harold and Horace Babcock established that the solar cycle is a spatiotemporal magnetic process unfolding over the Sun as a whole. They observed that the solar surface is magnetized outside of sunspots, that this (weaker) magnetic field is to first order a dipole, and that this dipole undergoes polarity reversals with the same period as the sunspot cycle. Horace's Babcock Model described the Sun's oscillatory magnetic field as having a quasi-steady periodicity of 22 years.[2][6] It covered the oscillatory exchange of energy between toroidal and poloidal solar magnetic field ingredients. Sunspot numbers over the past 11,400 years have been reconstructed using carbon-14-based dendroclimatology.

The level of solar activity beginning in the 1940s is exceptional – the last period of similar magnitude occurred around 9,000 years ago (during the warm Boreal period). The Sun was at a similarly high level of magnetic activity for only 10% of the past 11,400 years. Almost all earlier high-activity periods were shorter than the present episode. Fossil records suggest that the Solar cycle has been stable for at least the last 700 million years. For example, the cycle length during the Early Permian is estimated to be 10.62 years and similarly in the Neoproterozoic.

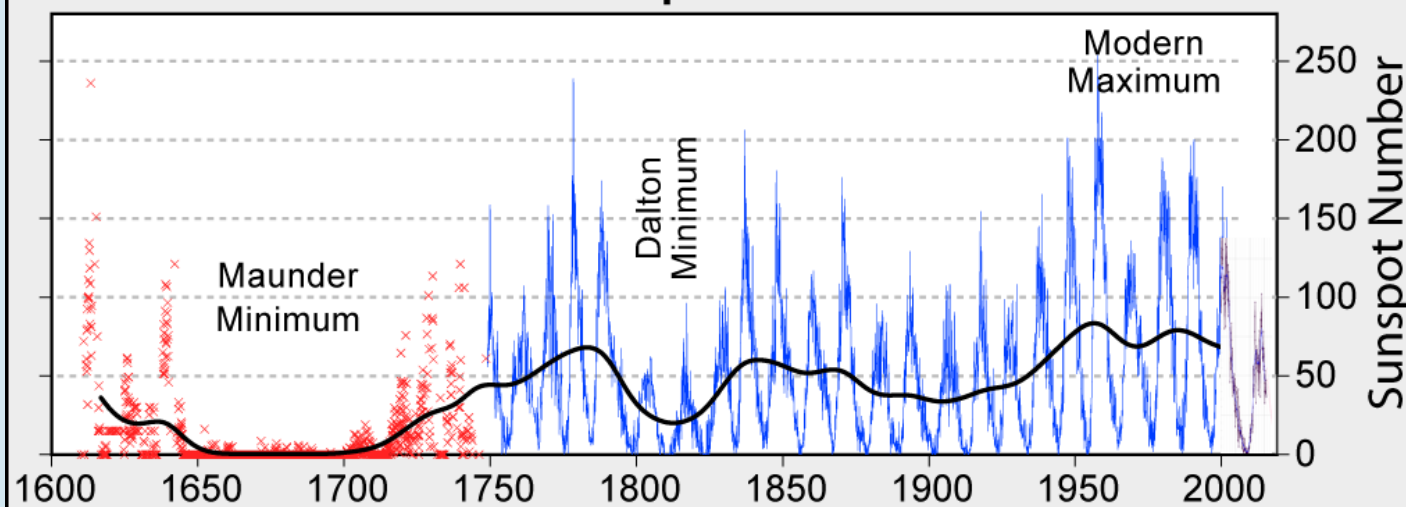
Major events and approximate dates

Event	Start	End
Homeric minimum <sup>[13]</sup>	750 BCE	550 BCE
Oort minimum	1040 CE	1080 CE
Medieval maximum	1100	1250
Wolf minimum	1280	1350
Spörer Minimum	1450	1550
Maunder Minimum	1645	1715
Dalton Minimum	1790	1820
Modern Maximum	1914	2008
Modern Minimum	2008	-

**HOW DO SUNSPOTS EFFECT HAM RADIO**  
**FROM THE LAB STAFF AT AARL**

**CLICK HERE**

## 400 Years of Sunspot Observations





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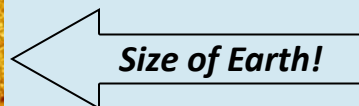
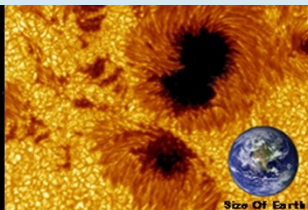
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### Sunspot Cycles



### Recent Solar Cycles

#### Cycle 25

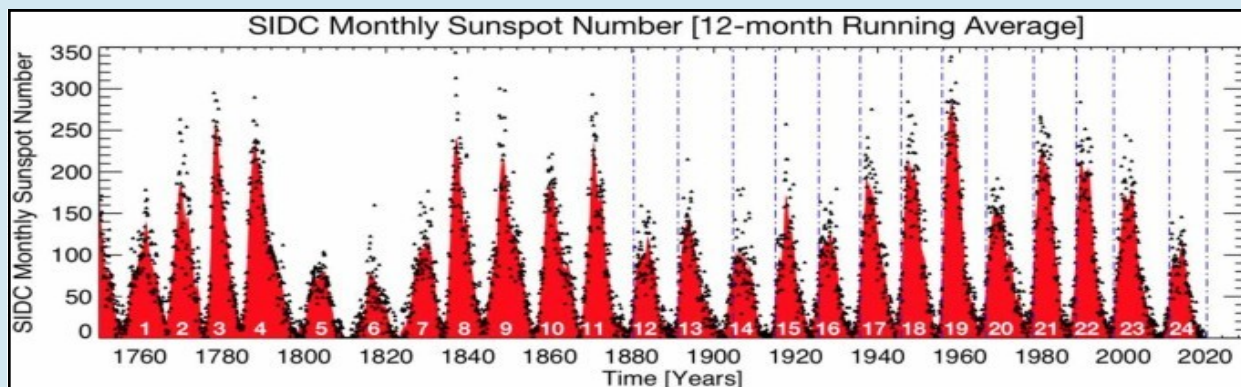
Solar Cycle 25 began in December 2019.<sup>[17]</sup> Several predictions have been made for sunspot cycle 25<sup>[18]</sup> based on different methods, ranging from very weak to strong magnitude. A physics-based prediction relying on the data-driven solar dynamo and solar surface flux transport models by Bhowmik and Nandy (2018) seems to have predicted the strength of the solar polar field at the current minima correctly and forecasts a weak but not insignificant solar cycle 25 similar or slightly stronger in strength relative to cycle 24. Notably, they rule out the possibility of the Sun falling in to a Maunder-minimum-like (inactive) state over the next decade. A preliminary consensus by a Solar Cycle 25 Prediction Panel was made in early 2019.<sup>[20]</sup> The Panel, which was organized by NOAA's Space Weather Prediction Center (SWPC) and NASA, based on the published solar cycle 25 predictions, concluded that Solar Cycle 25 will be very similar to Solar Cycle 24. They anticipate that the Solar Cycle minimum before Cycle 25 will be long and deep, just as the minimum that preceded Cycle 24. They expect solar maximum to occur between 2023 and 2026 with a sunspot range of 95 to 130, given in terms of the revised sunspot number.

#### Cycle 24

Solar cycle 24 began on 4 January 2008,<sup>1</sup> with minimal activity until early 2010. The cycle featured a "double-peaked" solar maximum. The first peak reached 99 in 2011 and the second in early 2014 at 101. Cycle 24 ended in December 2019 after 11.0 years.

#### Cycle 23

Solar cycle 23 lasted 11.6 years, beginning in May 1996 and ending in January 2008. The maximum smoothed sunspot number (monthly number of sunspots averaged over a twelve-month period) observed during the solar cycle was 120.8 (March 2000), and the minimum was 1.7. A total of 805 days had no sunspots during this cycle.







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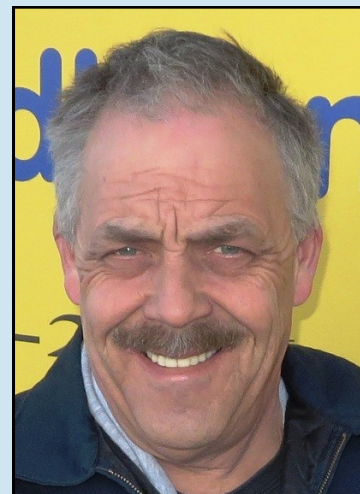
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### MEMBER HIGHLIGHT

## PRESIDENT DAVE MCCUMBER N9WQ

*He lives and breaths Ham Radio!*



I am proud to announce that our Members page this month features an incredible Ham Radio operator and an inspiration for all of us. Dave McCumber was elected president of the FARC in the January elections and will be our President through 2022. He was actually a student of the FARC and received his Ham Radio license in our club! He went on to win the Ham of the Year award in 2016 for his work on making the FARC the great club it is today.

Dave got involved in getting his amateur license through a Fond du Lac Amateur Club class in 1992 that was advertised at the local Radio Shack in Forest Mall. He contacted Bob Smith W9EBV and it was a 12 week class that was held at Community United Methodist Church in North Fond du Lac. A different Ham taught a class each week. One taught electronics, another ham taught Morse code, and another taught rules & regulations. At the end of the 12 week class the club's VE's would administer the code tests and written exams. Dave got his first amateur license in January of 1993, and his first callsign was N9WAQ. Dave went through the class with one of his friends who also studied ham Radio, Dean Gordon.

Back in the 1990's the FCC was very slow in processing amateur radio license applications and it took anywhere from 8 to 12 weeks or more to receive your license.

Dave grew up in Chicago and got into CB radio at about 12 years old when he received a Hallicrafters shortwave receiver. He also had an Archer Space Patrol base CB as well as CB walkie talkies. In the 1960's everyone didn't have cell phones like they do today, and pay phones were quite common. At 12 years old Dave demonstrated CB radio communications and took first place in his school science fair. He took second place at the city science fair. Dave was hooked on two way radio communications!

In Chicago, Hams frowned on CB operators and they didn't want them in their ham clubs. When Dave moved to Fond du Lac in 1990 he had gone through a divorce and he was looking for better schools for his kids as well as a better living environment. He has two sons that live in Texas and a daughter that is 38 years old.

Continued....





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His other hobby is the way he makes his living! Dave has worked as an auto mechanic his whole life. He started in Chicago working at import car shop and then moved to a Shell gas station doing basic auto service. Then he opened his own repair shop in Chicago.

When Dave moved to Fond du Lac he started working as the Service Manager at All Car, and then his mom passed away at young age. Dave quit for three months. Dave continued working at a couple garages in the area before he started his own business, North Fondy Auto Repair where he works today.

Dave works two amateur contests a year and they are WI QSO Party as well as ARRL Field Day. He has achieved both the WAS and DXCC awards. He has three file cabinets with QSL cards from countries all over the world. Dave particularly likes to attend ham swap fests to buy and sell ham equipment. When I asked him how many ARRL awards he has, he replied "all of them!"

Dave's shack is simply mind blowing! Everything from the oldest tube type monstrosities to the new era equipment of Ham Radio - Software Defined Radio. His ambition and his drive is something to admire. A hugely successful auto repair shop owner, master mechanic and drag race builder, master Ham Radio operator, club President and family man, he does it all with style!

Doug Schultz







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**FARC**  
**SWAPMEET** *Event* **9 MAY 2022**

Made with PosterMyWall.com  
Gerry Stock

Your Shack  
Could Look  
Like This!

**MORaine PARK COLLEGE WORLD ROOM  
STARTS AT 7:00 AFTER MEETING**



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## WISCONSIN QSO PARTY



**Wisconsin QSO Party sponsored by the West Allis Radio Amateur Club** and it will be held on March 13, 2022 from 1800 UTC until 0100 UTC on March 14, 2022. The contest starts at 1:00 PM CDT March 13, 2022 until 8:00 PM on March 13, 2022. This is the first of Daylight Savings time for 2022. This is a fun 7 hour contest that a number of club members participate in.

The primary modes are SSB and CW but this year they are adding a couple of digital modes PSK31 and RTTY. WARAC has published the rules for the Wisconsin QSO party on their website which is [www.warac.org](http://www.warac.org). Since this is first day of daylight savings time take that into consideration. This year they have added two digital modes PSK31 and RTTY. All stations may be worked once per mode on each band. You cannot work the same station on more than one digital mode on the same band. Mobile and portables may be worked once per mode per Wisconsin county that they operate from. The exchange for the contest is Wisconsin send their county and non-Wisconsin stations send their State, Province or Country. All amateur bands not prohibited for contesting may be used. No repeater QSO's can be used for the contest.

### **Suggested Frequencies:**

CW: 1.820 ,3.550, 7.050, 14.050, 21.050, 28.050

Phone: 1.870, 3.860, 7.230, 14.260, 21.350, 28.400

VHF: 6 meters: 50.140(SSB) 52.530 (FM)

2 meters: 146.550

1.25 meters: 223.520

70 cm: 446.025

Please don't use National Calling frequencies!

### **Power Level:** QRP Less than 5 watts Power Multiplier =2

Low 5 to 150 watts Power Multiplier=1.5

High over 150 watts Power Multiplier=1

**Multipliers:** Wisconsin stations: The sum of Wisconsin counties (max. 72) plus U.S. states (max.50) plus Canadian provinces (max 13) worked. Wisconsin may be counted as a multiplier. DX countries worked count for QSO points, but not for multipliers.

**Scoring:** Phone contacts count 1 point; CW and digital contacts count 2 points. Add CW, phone and digital contacts.

The multiply by Power level Multiplier then multiplier count under the Multipliers. Add any bonus points

**Log Submission:** Electronic logs are preferred- please submit your log in electronic format if it all possible The electronic format used in the above contest is the Cabrillo log format. Last year N9WQ collected the electronic logs.

Most of the club members that participate in the contest use the N3FJP Wisconsin QSO Party logging software which makes the logging and scoring quite easy. The N3FJP software is about \$9.00 on their website and this year there is new version 4.5 that includes the digital modes. Once you purchase the software you can download any future updates for free. The contest is a lot of fun and it is only seven hours long!





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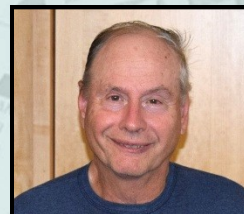
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### Treasurer's Report

Month of January 2022



Doug Schultz N9EZF

	Previous Month	Income & Expenses	Current Total	Cash	Savings Account	Checking Account	CD	Other
<b>FDL RADIO CLUB</b>								
Truck Fund	0.00	0.00	0.00			0.00		
Emergency Svc Fund	2,097.61	0.00	2,097.61			1,632.52	465.09	
General Use Fund	8,073.30	100.00	8,173.30			6,982.13	1,191.17	
Savings Account	25.00	0.00	25.00		25.00			
Petty Cash Fund	19.12	0.00	19.12	19.12				
<b>TOTALS</b>	<b>10,215.03</b>		<b>10,315.03</b>					
<b>FDL REPEATER ASSN.</b>								
Repeater Fund	153.68	0.00	153.68			0.00	153.68	
<b>TOTALS</b>	<b>153.61</b>		<b>153.68</b>					
<b>TOTALS</b>			<b>TOTALS</b>	<b>19.12</b>	<b>25.00</b>	<b>8,614.65</b>	<b>1,809.94</b>	
<b>Income</b>								
Dues								155.00
<b>Expenses</b>								
Secure Storage Rent								55.00
<b>Bills Needing Approval to Pay &amp; Action Required</b>								
Secure Storage	Locker Rent							55.00
Inc. Renewal	WDFI							10.00
STEM Schol.	Memorial Marge Heil							100.00
								<b>165.00</b>



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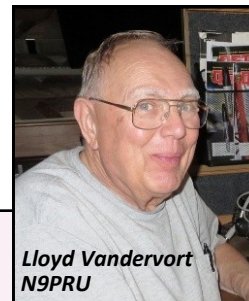
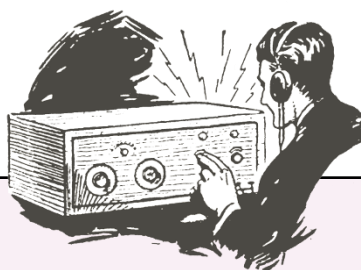
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## Meeting Minutes



Lloyd Vandervort  
N9PRU

### CLUB MINUTES FOR FEBRUARY 14, 2022

The meeting was called to order at 7:02 PM by Vice President Joe Scheibinger K9VY presiding. Joe Introduced our guest Paul Ewing N6PSE via Skype. Paul describe how he got started in organizing dx-peditions. He told about all of the troubles obtaining the license then the logistics of shipping all the equipment needed in the dx-peditions. He describes how he started in Iraq in 2010 with the callsign YI9PSE. Here is the list of the dx-peditions he has been involved with.

2010 Iraq YI9PSE

2011 Afghanistan T6PSE His good friend Jim McLaughlin was killed there and then Osama Bin Laden was killed. That cancelled the dx-pedition. Then the hotel that they were going to use for the dx-pedition operating was blown up. It took two years to get most of the equipment back.

2011 July/August South Sudan ST0R

2011 Sept./October Rotuma Island 3D2R

2011 December Ethiopia ET3AA

2012 Sept. Mt Athos dx expedition cancelled because they couldn't get license.

2012 May Yemen 7O6T

2012 June Somalia 6O3A dx-pedition was cancelled

2012 Sept. Conway Reef 3D3C

2013 Nov. Myanmar XZ1J

2014 Iran was abandoned to highest bidder for license

2015 Mar. Eritrea E30FB

2016 Jan./Feb. South Sandwich Island VP8SGI Ship charter was about \$500,000.

2016 May North Korea P5DX abandoned when they wanted a \$60,000 bribe for the license.

All the equipment was donated to an amateur group in Beijing, China

Jim is involved with the Intrepid DX group and they are always looking for places to operate from.

He then gave a description of his tour of North Korea. That was end of the Skype presentation.

Joe Scheibinger K9VY then called the business meeting to order and asked for everyone to introduce themselves to the group.

There was a motion to approve the minutes from last month's meeting by Lloyd Vandervort N9PRU and the motion was seconded by Dick Finn Kc9ZVW. The motion passed.

Doug Schultz N9EZF then presented the Treasurer's report and made a motion approve the report and Cully Kowal KS0D. the motion passes. There was a motion to pay the bills by Doug

Schultz N9EZF and it was seconded by Dick Finn Kc9ZVW. There were no objections and the motion passed. Doug Schultz N9EZF mentioned the club should give \$100 to the silent key Marjorie Heil Scholarship fund for the help the Heils had provided the club over the years. Everyone agreed that we should do that and Joe Scheibinger K9VY also asked if we could pass the hat for club member donations to the above scholarship fund.

Continued....





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Doug Schultz said that the ARRL Foundation will be starting to award grants to clubs up to \$25,000 this spring.

Doug Schultz mentioned that we have an amateur exam session on Feb. 19 at MPTC room O-122.

Joe Scheibinger K9VY mentioned that the board had a good meeting at the Radisson in Feb. Joe Scheibinger K9VY announced he wanted to increase the membership by having current members to bring another person to become a new member. He wants 22 new members in 2022.

Joe Scheibinger K9VY announced at the May meeting we will have a swap meet or silent auction.

Other planned meetings will be a FT8 demonstration by Doug Schultz N9EZF and Lloyd Vandervort N9RPU most likely in June.

Dick Finn KC9ZVW announced he has a lot of space to store club items in his hangar at the airport.

Tom Powell KC9VXR wants to see that all our equipment in one location rather than spread out in different locations.

Cully Kowal KS0D mentioned if we sell off all of our radios what we are we going to use at Field Day? Lloyd Vandervort N9RPU said that we aren't going to sell off all of radios just the ones that are excess or we can't see a use for.

Justin Buell KB9YET mentioned he has a large garage with security to store club equipment.

Ron Keller KC9YVL will be our trailer guy and what do we want in a trailer. A5X8 ft. trailer is too small but a 6X12ft trailer would be better.

Gene Peterson KD9IAG mentioned the Emeret Sales at St. Cloud sells the 6X12 ft. new trailers for \$4500.

Jack Heil KG9IN will be in charge of Field Day for our club and Brian KC9LFR from Calumet County ARES will be participating in our Field Day this year. Joe Scheibinger K9VY will also help in the setup.

Doug Schultz N9EZF mentioned the Wisconsin QSO Party will be held on March 13 from 1:00 PM until 8:00 PM. They are adding PSK31 and RTTY digital modes this year.

Doug Schultz mentioned that the VE team will hold another amateur exam session on April 9, 2022. There was a motion to adjourn by Cully Kowal KS0D and seconded by Lloyd Vandervort N9RPU. The motion passed and the meeting adjourned at 8:42 PM.



## NEXT CHEWS AND BREWS SCHEDULED FOR MONDAY, MARCH 27TH



Our next Rag Chews & Brews (FARC Board Meeting!) will be held on Monday, March 28th at the Radisson Hotel in Fond du Lac, formerly the Holiday Inn on the frontage road. Meeting will start at 7 and run an hour or so. On the list of things to discuss will be the Field Day demonstration, trailer purchase ideas, and the May Swap meet meeting.

Items that we have in our inventory and that we have decided to sell will be presented at the May Swap meet. Most items are too big to bring so we will have pictures available for silent auction.

*More to come!*



# FOND DU LAC AMATEUR RADIO CLUB

## — FDL 73 —

www.fdlhams.com

March, 2022



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### heritage

## HAM OF THE YEAR AWARD UPDATED



Our Ham of the Year Award plaques have been updated by Hopper trophies and will be presented to Justin Buell KB9YET, winner of the award for 2021 at the March meeting. For our new members, here is a little history of the award.

The Ham of the Year Award is ***the highest award that can be bestowed upon an FARC member***. It was designed for the member in our club who has demonstrated exceptional support for his/her club over the previous 12 months. It was instituted back in 1996 and awarded to its very first recipient Doug Schultz N9EZF.



Traditionally, the award is given at the end of the year Christmas party with a certificate and a plaque update. The previous winner has the responsibility to submit to the President or to the Board at the November meeting the person he or she thinks has merit for the next year's award. Unfortunately in 2020 we lost one of our beloved members Rick Robinson N19Z to Covid, so the club President chose the winner for 2021.

The plaques stay in safe keeping with the member who received the honor and are returned to the club at the November meeting. This will continue by tradition until the club gets a place to permanently call home.





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**ENTERTAINMENT** Through Education

### SPECIAL THANK YOU To PAUL EWING N6PSE

Special thanks for some jaw dropping entertainment for the February meeting. If you were there, you may have witnessed one of the very best presentations ever given to our club! The pictures from the DXpeditions from around the world were simply jaw dropping. After the meeting, I had 2 hams come up to me and say they had no idea how much it took to put together one of these events. The dire condition, the huge expenses, the mind boggling government paperwork and bribes needed just to operate in these foreign countries are unknown to most Hams. Many members after the meeting mentioned how interesting and what a great speaker Paul was. It's people like Paul that take their hobby to the extremes that make ham Radio so incredible interesting for all of us. A portion of the meeting has been recorded and if you missed the meeting, We have it for you courtesy of YouTube. Paul, once again, on behalf of the membership, thank you so much for your presentation. *Joe Scheibinger K9VY*



Paul Ewing N6PSE

[FEBRUARY MEETING WITH PAUL EWING N6PSE](#)

[CLICK HERE](#)

## FIELD DAY MEMORIES

2016





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## "22 IN 22" MEMBERSHIP DRIVE HAS IT'S VERY FIRST NEW MEMBER!

I am proud to announce our "22 in 22" membership drive has it's very first new member! Paul E. Bleuel has joined the FARC and he was sponsored by club member Bill Kieckbusch. Bill will now receive his 2022 or 2023 dues paid in full for bringing in a new member!

As you could tell by the February meeting, the one thing about the FARC, we are a band of amateur radio hobbyists that really love our hobby. We have one of the strongest Ham Radio clubs in the state. We do a lot together. We supply services to other non-profit organizations. We are active in the community. We test other Hams and issue licenses, and we meet in one of the best facilities in the city, the World Room of the Moraine park campus.

All you have to do is go back and look at page 1 next to the Presidents Corner. Look at all the names, the volunteers, the committees! And we just coming out of one of the biggest pandemics to hit the world.

So lets celebrate and share the love of the hobby. Announcing the "22 in 22" Membership Drive. Everyone who brings in a new member, or an old member from a year or more that wants to re-join our club, will get one year's of dues paid! **To make sure you get credit, look at the attached membership form.** You will see a red box labeled "sponsor." Put your name and call sign in the box and when the new member joins, you get a free year of membership dues!

**Let's make 2022 the best year for our club. See you at the February meeting and bring a friend!**

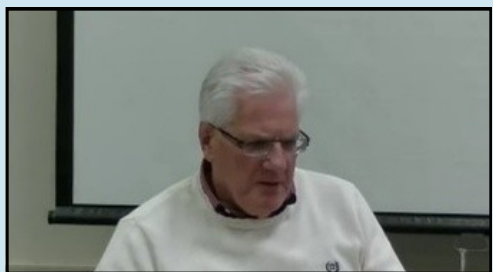
**GOAL!**



Paul Bleuel



## heritage



## UNBELIEVABLE FIND!

This very important video was just found! On Monday, March 10th, 2014, the Fond du Lac Amateur Radio Club celebrated the retirement of one of Wisconsin's most famous Ham Radio operators, Ray Grenier K9KHW. Ray retired in 2014 after spending 50 years at Amateur Electronic Supply in Milwaukee. Ray shares many amazing stories of the early days of Ham radio, and the beginnings of AES, the largest Ham radio distributor in the world (now HRO). Opening for Ray is his best friend Ted Willett W9NHE, who also spent 33 years at Amateur Electronic Supply in Milwaukee. There is a lot of history here about our club and the video is wild to watch! I will add it to our list of video tapes next month. I urge you to watch this incredible video!

TO SEE THIS INCREDIBLE VIDEO

**CLICK HERE**

<https://www.youtube.com/watch?v=srZRGq953jl>





**FOND DU LAC AMATEUR RADIO CLUB**

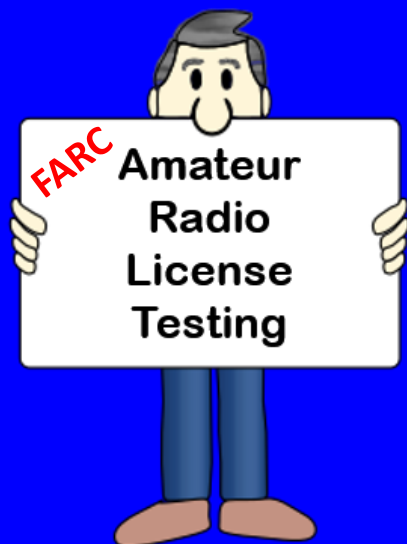
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## OUR NEW HAMs!



### From Left to Right

Richard Sherlowsky  
Technician

Gary Hill  
Technician

Joe Gaudynski  
Technician

## FARC TESTING DATE FOR APRIL

### Ham Exam Date Set for April 9th

The Fond du Lac Amateur Radio Club VE team will be holding Amateur Exams on **April 9, 2022** at the MPTC in room O-122 from 9:00 AM until noon. Everyone taking amateur exams is required to get a 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 either exam session call Doug Schultz at 920-922-3088 or via email at: [schultz74@charter.net](mailto:schultz74@charter.net). Masks are no longer required.





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### DONATION MADE TO UW FOND DU LAC FOUNDATION

In memory of our departed club member and friend Marjorie Heil, the Board has decided to make a \$100 donation to the UW Fond du Lac Foundation in Marjorie's honor. At the February meeting, the membership passed the hat and collected an extra \$125, so the total donation made in the name of Marjorie Heil from the Fond du Lac Amateur Radio Club is \$225.00. The Foundation was established in 1974 to provide scholarships to entering and continuing students. Through the generosity of individuals, businesses and alumni responding to annual appeals, the Foundation has been able to award increasingly greater amounts to deserving individuals.

*Thank you to the FARC membership.*



### WISCONSIN QSO PARTY

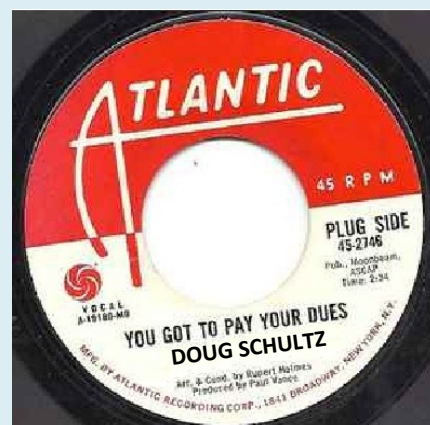
Wisconsin QSO Party sponsored by the West Allis Radio Amateur Club and it will be held on March 13, 2022 from 1800 UTC until 0100 UTC on March 14, 2022. The contest starts at 1:00 PM CDT March 13, 2022 until 8:00 PM on March 13, 2022. This is the first of Daylight Savings time for 2022. This is a fun 7 hour contest that a number of club members participate in. The primary modes are SSB and CW but this year they are talking about adding a couple of digital modes PSK31 and RTTY.

THE RULES HAVE BEEN POSTED. TO SEE THE RULES GO TO: [CLICK HERE](#)

### You've Been Paying Your Dues - Doug's Blues are Gone

The 2022 FARC club dues are due now. Club membership dues are \$15 for individuals, \$7.50 for students and family memberships are \$20. You can pay Doug Schultz at the March 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 new "22 in 22" 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



### Don't Miss an Episode!

All Podcasts can be downloaded!  
To Hear the Podcasts [CLICK HERE](#)



# FOND DU LAC AMATEUR RADIO CLUB

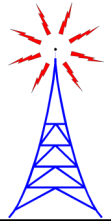
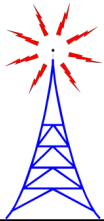
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### WISCONSIN QSO PARTY! March 13th

- 03/18/2022 | HamSCI 2022 Conference
- Mar 18-Mar 20, 1400Z-0400Z, NN4SA, Huntsville, AL. HamSCI and NASA Marshall Space Flight Center ARC. 14.245 7.245 14.074 7.074. QSL. NASA MSFC ARC, c/o Matt McDougal, PO Box 12804, Huntsville, AL 35815. HamSCI and NASA MSFC ARC will operate from HamSCI Conference venue near Space and Rocket Center. Will be operating various bands and modes. Check spotting networks for frequencies and modes. Event info at [hamsci.org](http://hamsci.org) and [nn4sa.org](http://nn4sa.org). Send SASE for special QSL card. [www.qrz.com/db/nn4sa](http://www.qrz.com/db/nn4sa)

### 2022 FARC Ham Exam Date - April 9

#### April FARC Meeting on Monday, April 11

The Fond du Lac Amateur Radio Club VE team will be holding Amateur Exams on **April 9, 2022** at MPTC in room O-122 from 9:00 AM until noon both days. Everyone taking amateur exams is required to get a FRN from the FCC website to put on their FCC application as well as provide a photo ID.

#### HAMFESTS AND CONVENTIONS UPDATE for the JEFFERSON HAMFEST MARCH 27th

Due to a clerical error by the Fair Grounds - they double booked the venue so the date for the Jefferson Hamfest had to be adjusted to March 27th 2022

03/27/2022 - Jefferson Hamfest 2022

Location: Jefferson, WI

Type: ARRL Hamfest

Sponsor: Tri-County Amateur Radio Club - W9MQB

Website: <http://w9mqb.org>

- 04/05/2022 | Sun-N-Fun Aerospace Expo Special Event Station (EAA Lakeland)
- Apr 5-Apr 10, 0800Z-1700Z, W4S, Lakeland, FL. Lakeland Amateur Radio Club (LARC). 2, 20, and 40 meters; other

**MAY 9: FARC SWAP MEET AT MEETING! BRING YOUR WALLET**

### 06/11/2022 | NSS Annual Convention

Jun 11-Jun 17, 1800Z-1800Z, K0V, Madison, WI. National Speleological Society. 14.285 14.050 7.195 7.050. QSL. Sam Rowe, KG9NG, 2749 Commercial Ave, Madison, WI 53704.





## 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?

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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?

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How did you hear about the Club? \_\_\_\_\_

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## 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



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## **FARC RECORDED MEETINGS**



*Videotaped by Lloyd Vandervort N9PRU*

**CLICK HERE**

FARC - W3AO Field Day Presentation <https://youtu.be/UK1A47pNKyo>

**CLICK HERE**

FARC - Bob Heil Ham Radio Presentation [https://youtu.be/t3Ueh9IN5\\_U](https://youtu.be/t3Ueh9IN5_U)

**CLICK HERE**

FARC - WWV Presentation [https://youtu.be/w3-DP9DEv\\_U](https://youtu.be/w3-DP9DEv_U)

**CLICK HERE**

FARC - Pacific Antenna Talks Kit Building <https://youtu.be/SBReL2YIsn0>

**CLICK HERE**

FARC - Scanner Master Presentation <https://youtu.be/dlSIAufGkv8>

**CLICK HERE**

FARC - WBAY Field Trip TV Nov 17 2015 <https://youtu.be/sfQvJ1fV6eo>

**CLICK HERE**

FARC - WBAY transmitter tour [https://youtu.be/NnZ21O\\_6HvA](https://youtu.be/NnZ21O_6HvA)

**CLICK HERE**

FARC - NooElec [https://youtu.be/s\\_pxYkH4xds](https://youtu.be/s_pxYkH4xds)

**CLICK HERE**

FARC - Elecraft Radio <https://youtu.be/3Ou1Qpx9Vg8>

**CLICK HERE**

FARC - Ed Tobias & Morse Code <https://youtu.be/9uu4PFMrH2U>

**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**

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

**CLICK HERE**

**NEW** FARC - Paul Ewing and his Incredible DXpeditions Around the World

**CLICK HERE**

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



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## SCANNING THE BANDS

[CLICK HERE](#)

### REPEATER LISTS - PRINT AND SAVE

Frequency	Offset	Tone In / Out	Location	County	Call	Use	Modes	
145.3300	-0.6 MHz	100.0 / 100.0	Neenah	Winnebago	W9ZL	OPEN	FM Fusion WIRES-X	+
147.2400	+0.6 MHz	100.0	Oshkosh, Sandpit Road Tower	Winnebago	KC9SDK	OPEN	FM Fusion	+
147.3450	+0.6 MHz	107.2	Oshkosh	Winnebago	N9GDY	OPEN	FM	×
442.0750	+5 MHz	107.2	Oshkosh	Winnebago	N9GDY	OPEN	FM	○
442.21875	+5 MHz	CC6	Oshkosh	Winnebago	W9RCG	OPEN	DMR	+
443.6250	+5 MHz	123.0	Oshkosh	Winnebago	N9GMT	OPEN	FM AllStar EchoLink IRLP	+
443.6500	+5 MHz	100.0 / 100.0	Neenah	Winnebago	W9ZL	OPEN	FM Fusion	+

Frequency	Offset	Tone In / Out	Location	County	Call	Use	Modes	
145.3450	-0.6 MHz		Fond du Lac	Fond Du Lac	KD9GXT	OPEN	DSTAR	+
145.4300	-0.6 MHz	97.4	Fond Du Lac	Fond Du Lac	K9FDL	OPEN	Fusion	+
147.0900	+0.6 MHz	107.2	Fond Du Lac	Fond Du Lac	K9DJB	OPEN	FM	+
147.1800	+0.6 MHz	146.2 / 146.2	Fond du Lac	Fond Du Lac	KC9RUE	OPEN	FM Fusion	+
147.3750	+0.6 MHz	107.2	Rosendale	Fond Du Lac	KB9YET	OPEN	FM	+
223.9000	-1.6 MHz	107.2	Fond du Lac	Fond Du Lac	KC9RUE	OPEN	FM	+
442.4000	+5 MHz	100.0	Fond du Lac	Fond Du Lac	WI9WIN	CLOSED	FM EchoLink	+
442.51875	+5 MHz	CC6	Fond du Lac	Fond Du Lac	KB9LQC	OPEN	DMR	+
443.8750	+5 MHz	146.2	Fond du Lac	Fond Du Lac	KC9RUE	OPEN	FM Fusion	+
444.6000	+5 MHz	123.0 / 123.0	Fond du Lac	Fond Du Lac	N9GMT	OPEN	FM AllStar EchoLink IRLP	+

Frequency	Offset	Tone In / Out	Location	County	Call	Use	Modes	
145.1900	-0.6 MHz	123.0 / 123.0	Watertown	Dodge	K9LUK	OPEN	FM	+
145.3500	-0.6 MHz	123.0	Rubicon	Dodge	WB9KPG	OPEN	FM	+
146.6400	-0.6 MHz	123.0	Juneau	Dodge	W9TCH	OPEN	FM	+
442.9750	+5 MHz	123.0	Knowles	Dodge	W9TCH	OPEN	FM	+





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Jeremiah	Alderden	KC9SGL
Reinholt	Aschmotat	N8VDH
Donald	Bakke	KD0HCW
Jim	Balthazor	K9AIX
Todd	Beay	AC9EX
Ed	Beltz	N9PJQ
Donna	Blend	KC9TFN
Paul	Bleuel	KC9NAA
Blend	Bowen	KC9VXV
Timothy	Braun	W9AAV
Marjean	Buck	KC9LFI
Neal	Buck	KC9LFN
Justin	Buell	KB9YET
Robert	Burrier	N2TSQ
Don	Chapman	KC9KZQ
Dean	Choate	KC9TGM
Lee	Clausen	KC9ZVZ
Jim	Cole	N9WAP
Frank	D'Imperio	KD9OXO
Walter	Drees	KD9JAD
Debra	Drees	
Kirk	Everson	KC9FZE
Dick	Finn	KC9ZVW
Mark	Forss	WD9CYM
Peter	Fox	KB9WZD
Brad	Freund	KC9QYP
Brad	Gehrt	KA9JDE
Derek	Giese	KD9IAN
Ray	Grenier	K9KHW
Erling	Gruel	WB9QJD
Ted	Gustavus	KD9IAH
Ben	Haack	KD9LVQ
Brad	Hansen	
Marjorie	Heil	KC9BEN
Jack	Heil	KG9IN
Doug	Iverson	AC9XW
Richard	Jarzynka	KD9EMX
Tom	Karrmann	KC9VZY
Ron	Keller	KC9YVL
Cully	Kowal	KS0D
Dawn	Krause	KD9CAW
Scott	Kreis	
Larry	Lamont	KB9POP

### FARC Membership Roster

Alphabetized by Last Name



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.

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.

*We are the members of the Fond du Lac Amateur Radio Club*



Buddy	Larson	KC9UVJ
Joe	Lauber	KC9MDY
Michelle	Lawrence	N9RQL
Mike	Lawrence	N9UA
Pete	Leonard	AA9UU
Isaac	Lundberg	KD9FPG
Chuck	Mahnke	K9HXI
David	McCumber	N9WQ
Walter	Meyer	K9WKM
Larry	Mielke	KC9RUE
Doug	Murray	KC9ZVT
Tom	Murray	N0HOR
Nancy	Myers	K9ANA
Randy	Nelson	KC9MYG
Ted	Neuburg	W9LUQ
Dot	Olig	K9FDL
Gene	Olig	KD9ZP
Tony	Pass	KC9QYR
Dennis	Paulin	KB9OFM
Gene	Peterson	KD9IAG
Tom	Powell	KC9VXR
Fernando	Salazar	KC9ZVX
Joe	Scheibinger	K9VY
Gregory	Schmude	KD9EHB
Doug	Schultz	N9EZF
James	Scovronski	N9WAM
Louis	Simon	KB9VQM
Barbara	Simon	W9MER
Ed	Sipple	W9VYO
Steve	Smith	W9GPI
Ed	Steinfeld	KB1ZJK
Raymond	Teschke	KD9QLE
Brian	Turkiewicz	KC9LFR
Paul	Tvrdy	N9KLK
Danny	Vandekolk	KC9IGD
Lloyd	Vandervort	N9RPU
Ted	Willett	W9NHE
Laurie	Winchell-Beltz	KC9YQS
Dave	Witt	WD9W
Mathew	Yates	KD9CSD
Laura	Yates	
Matthew	Zimmerman	KD9KTY
David	Zittlow	K9DUI