



FOND DU LAC AMATEUR RADIO CLUB



— FDL 73 —

www.fdlhams.com

December 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 Bleuel 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 / 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 KC9LFI

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 - Bill Kieckbusch KG9IO

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Fond du Lac Amateur Radio Club
PO Box 53

Fond du Lac, WI 54936-0053

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Newsletter Submissions:

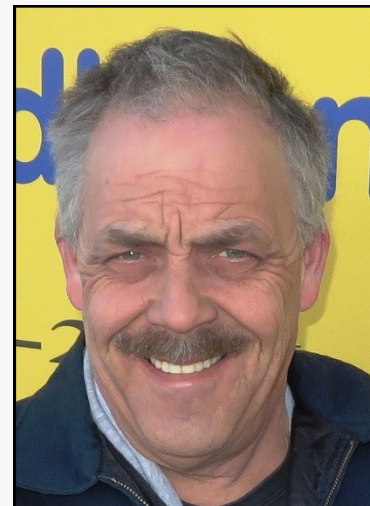
Please email Editor Doug Schultz N9EZF
schultz74@charter.net

FARC FDL 73 Newsletter
design and concept
by Dick Finn KC9ZVW

THE PRESIDENTS CORNER

By: Dave McCumber N9WQ

**HELLO EVERYONE
FROM SUNNY BEAUTIFUL DOWNTOWN
NORTH FOND DU LAC!**



It has been an absolute pleasure again being president of the club. Thank you for the opportunity. Now we can all join in and celebrate Christmas together at Gino's. The party is coming up in a week and I urge members to get your reservations in. We have Gino's all to ourselves! Doors open at 5:00 for a little cocktail time at the bar and dinner is at 7:30. 2022 has been a rock solid year for the club. Lots of great entertainment and a lot of new members helped make the year great. We had an outstanding Field Day. Thanks again everyone for an incredible year. See you at the Christmas party!

NEXT MEETING - CHRISTMAS PARTY

When: Wednesday December 7, 2022
Where: Gino's Italian Restaurant
584 W Johnson St, Fond du Lac, WI
Cocktails at 5:00 PM - Dinner at 7:00 PM



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WHAT'S INSIDE?

ENTERTAINMENT *Christmas Party!*

President's Corner by Dave McCumber
No Meeting at Moraine Park for December
Christmas Party at Gino's Nov 7
Dues are Due for 2023
Member Brad Gehrt and the Hike to Hell
Election Results
Testing Dates for 2023
Treasurers Report
Secretary's Report
FARC Field Day Results Are In
3 New Members!
New meeting Place for 2023
Heritage Page
Upcoming Events
Christmas On The Air
New Radio's on Classified Page
FARC Downloads
Membership Roster by Call Sign
Membership Application To Print Out



Official FARC Goody Table Set Up At Meeting by the Door

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.



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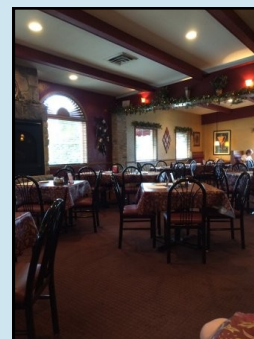
FARC CHRISTMAS PARTY

Our Christmas party will be held at Gino's Italian Restaurant at 584 West Johnson in Fond du Lac on Wednesday, December 7th. Cocktails start at 5:00 PM with dinner being served at 7:00 PM. The price is only \$18.95 and it's payable when you attend. Here is the cool part! *Gino's will be closed to the public that evening!* We have the entire place (and the bar) to ourselves while we celebrate Christmas together!

The menu will include a buffet style presentation with Beef Stroganoff, Chicken Alfredo, Spaghetti & Meat Balls, Salad, and Gino's famous Bread Sticks served at the tables along with coffee.

Invitations have been sent out using "Sign up Genius," a web based sign up platform. You don't need to give out a credit card or send cash. Just enter your name so we can total the number that are coming. You can pay the bartender at the party for the dinner using either cash or credit card. Don't forget to bring a gift for the exchange! That's always a fun time and a great tradition! If you don't have access to Sign up Genius, please call Paul and tell him how many are coming from your party.

For more information contact Paul Bleuel at 920-921-6015



2022 Fond du Lac Amateur Radio Club Dues

The 2022 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 next meeting. If you can't attend, you can mail them to:

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





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MEET
BRAD GEHRT
KD9JDE
Hike to HELL



Check One Off The Bucket List!

When it comes to activating SOTA peaks in Arizona, they come in all shapes and sizes. Many require hiking long distances over poorly or unmarked trails. Others require bushwhacking through the Sonoran Desert with no trails whatsoever. Some require scrambling over large boulders, and some require technical climbing skills (such as ropes and carabineers). And some offer drive up roads with a short hike to reach the final summit.

There are a total of 2,636 SOTA sanctioned summits in Arizona. In comparison, there are 42 in Wisconsin, 9 in Illinois and 3 in Indiana. And many of them are very close to our Arizona home, within 30 minutes or so.

For a couple of years, I have wanted to activate Superstition Peak South (W7A/PN-021). The Superstition Mountains, Superstition Wilderness Area and Tonto National Forest are all close to our home in Gold Canyon. Here is a photo of my "nemesis."

Superstition Peak South is 5,057 feet above sea level. Phoenix is 1,086 feet above sea level. It is the highest summit in the Phoenix Valley. Superstition Peak North (Flatiron) is more well know and is climbed regularly by hiking enthusiasts (I have done it twice). Superstition Peak South, on the other hand, is not a popular hike. 3 years ago 44 body builders had to be rescued / air lifted off of Superstition Peak North. The Sonoran Desert can be very dangerous, due to heat, cold, lack of water, Diamondback rattlesnakes, Mountain Lions, lack of cell phone coverage, etc.





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PLANNING FOR THE ACTIVATION

Due to the dangers in hiking solo in the Sonoran Desert, I take pre-hiking preparation very seriously. My backpack usually weighs about 30 pounds, depending on the amount of water needed. Some of the things I carry include a 9mm pistol, a sharp knife, a headlamp, a lightweight "Don't Die In The Woods" survival sleeping bag, a Garmin "InReach" Mini (so I can text or send SOS via the Iridium satellite network when there is no cell coverage), an Israeli tourniquet and first aid kit, lightweight bushwhacking / snake gaiters, knee pads for scrambling, sunscreen, a hat, warm clothes, solar LIPO battery backup, climbing gloves and a needle nose pliers (for pulling cacti pickers out of my backside and arms).



Here is the assortment of gear I take when doing SOTA activations in Arizona

I researched how long it takes to hike Superstition Peak South and found it takes roughly 6-7 hours for avid hikers. To play it safe, I rounded that up to 8 hours, due to some of my health issues that slow me down (bad back, bad feet, chronic sciatica, Type 1 diabetes for 52 years, etc). I then added 2 hours for the activation. I came up with 10 hours to complete the hike.

FRIDAY OCTOBER 28 – ACTIVATION DAY

Arizona doesn't do Daylight Savings Time, so the sun came up at about 6:30 AM. I left the trailhead at 7:30 AM. In 10 hours it would be 5:30 PM, right when the sun goes down. Good plan, right? IT TOOK ME

ALMOST 19 HOURS TO GET BACK TO THE TRUCK. I GOT BACK AT 2:15 AM!!!! Fortunately, I did have cell phone texting available for most of the 13 mile hike. I was in close contact with Diane, my wife who was back in Wisconsin, Doug AC9XW and my sister in law Jane who lives next door to our home in Arizona. It was totally dark at 6 PM with a sliver of a moon, so I spent about 8 hours hiking down in the dark, with the exception of having my headlamp to help me search for the way down. Fortunately, I had gear along to spend the night in the wilderness, if need be. I did have GPS on my iPhone and had my track to follow down. But my GPS wasn't getting good reception being in a valley coming down.



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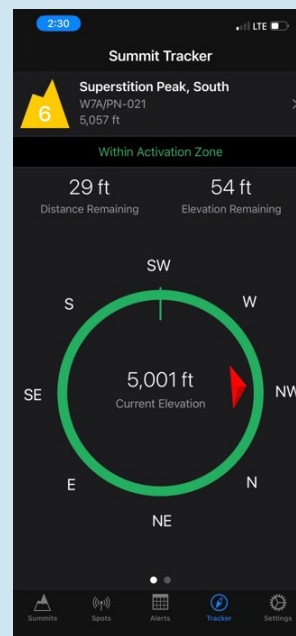


"I will remember this particular SOTA activation forever! 18+ hours of hiking, 8 hours in the dark, a nasty cramp in my thigh all the way down and over 100 cacti needles in my butt, back, arms and legs.

Would I do it again? In a heartbeat! What an adventure!"

73, Brad Gehrt KA9JDE

FARC Member



This is the SOTA Goat app used to track summits



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This is what my path up the mountain looked like!



Superstition Peak South is in the background



Saguaro cacti only live in the Sonoran Desert. They get their first arm at 75 years and can live well over 150 years!



A slag field I encountered on the way up. These are very loose rocks that are very slippery and dangerous.



This wall was borderline technical climbing. I spent 2 hours looking for an alternate route to no avail. Ended up free climbing it!



Finally made it to the summit! It didn't take long to activate the peak on 2 meters. Phoenix has an active SOTA group willing to help.



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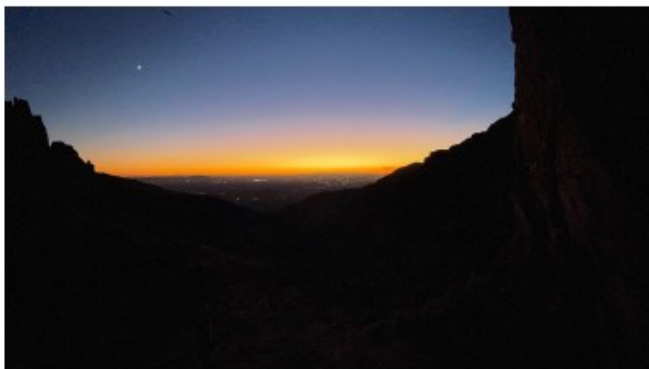
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As you can see, once the sun goes down, the desert gets VERY dark



Just after activating Superstition Peak South – Woohoo!



The barbed cacti needles are everywhere in the Sonoran Desert. I had over 100 in my butt, legs, back and arms!



Lots of critters out in the Superstition Wilderness: rattlesnakes, tarantulas, mountain lions, scorpions, javelinas, black bear, etc





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OFFICER ELECTIONS

ELECTION OF OFFICERS RESULTS

Election of Officers was conducted at the November meeting. For Nominations we had the following. Board of Directors: Phil Schmahl W9PHL and Paul Bleuel KC9NAA, Sgt. Of Arms: Paul Bleuel KC9NAA, Secretary: Tom Powell KC9VXR, Treasurer: Doug Schultz N9EZF, Vice President: Joe Scheibinger K9VY, President: Dave McCumber N9WQ and Bob Burrier N2TSQ. Here are the results. President: Dave McCumber N9WQ and Bob Burrier N2TSQ ended in a tie. A coin toss then resulted in Bob Burrier N2TSQ winning the presidency.



Board Member: **Phil Schmahl W9PHL**

Sgt. Of Arms: **Paul Bleuel KC9NAA**

Secretary: **Tom Powell KC9VXR**

Treasurer: **Doug Schultz N9EZF**

Vice President: **Joe Scheibinger K9VY**

President: **Bob Burrier N2TSQ**

NEW TESTING DATES ANNOUNCED FOR 2023

I have scheduled four exams for 2023 for the following dates February 18, 2023, April 15, 2023, October 21, 2023 and December 9, 2023 in room O-122 at MPTC. 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 any of the exam sessions call Doug Schultz at 920-922-3088 or via email at: schultz74@cahrter.net

Ham Application Fee (Effective April 19, 2022)

The FCC has announced that effective on April 19, 2022 they will begin assessing the \$35 application fee on new, renewals and vanity callsign applications. Upgrades to amateur licenses will be exempt from the \$35 application fee according to the ARRL-VEC. Administrative updates, such as name changes, mailing or email address changes will be exempt from the fee. VE's and VE teams will not have to collect the \$35 application fees at exam sessions. They will charge the normal \$15 ARRL-VEC exam fee to applicants. The successful applicants will be required to pay the \$35 application fee directly to the FCC by using the CORES FRN registration system. When the FCC receives the examination from the ARRL-VEC, it will email a link with payment instructions to each successful candidate who will have 10 calendar days from the date of the email to pay the application fee. After the fee is paid the examinees will receive a second email from the FCC with a link to their official license. The link will be good for 30 days. Additionally, the FCC stated that applications processed and dismissed will not be entitled to a refund. This includes vanity requests where the applicant does not receive the requested callsign.

Doug Schultz





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FARC ARRL FIELD DAY RESULTS

In the Dec. 2022 edition of QST, the 2022 ARRL Field Day results were published. The Fond du Lac Amateur Radio Club gang did very well in the 2A class in the event. We placed in the top third in the nation in the 2A class of 292 club stations and we placed fourth among Wisconsin club stations participating in the class. On behalf of the club, we complement Jack Heil KG9IN and Paul Bleuel KC9NAA for organizing our club's Field Day effort, and a big thanks to all the members who helped as well as operated at Field Day!

Doug Schultz N9EZF



NEXT 2022 EXAM DATE DECEMBER 10TH

The Fond du Lac Amateur Radio Club Volunteer Examiners have scheduled another testing date for 2022. Our last testing date for the year December 10, 2022 in room O-122 at MPTC. 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 any of the exam sessions call Doug Schultz at 920-922-3088 or via email at: schultz74@charter.net. Face masks are no longer required at MPTC.





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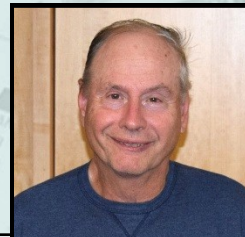
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Treasurer's Report

Month of November 2022



Doug Schultz N9EZF

	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	2,098.51	-40.23	2,058.28			1,592.29	465.99	
General Use Fund	4,642.76	504.00	5,146.76			3,953.26	1,193.50	
Savings Account	25.00	0.00	25.00		25.00			
Petty Cash Fund	19.12	0.00	19.12	19.12				
TOTALS	6,785.39		7,249.16					
FDL REPEATER ASSN.								
Repeater Fund	153.98	0.00	153.98			0.00	153.98	
TOTALS	153.98		153.98					
TOTALS				19.12	25.00	5,545.55	1,813.47	
Income								
Raffle								29.00
Labor Day Parade Donation								500.00
TOTAL								529.00
Expenses								
Safety Dep. Rent								25.00
Repl. HT batteries Ripon Hospital								40.23
TOTAL								65.23





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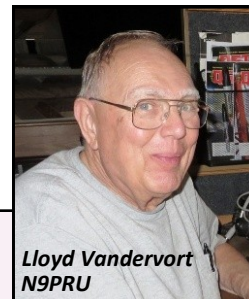
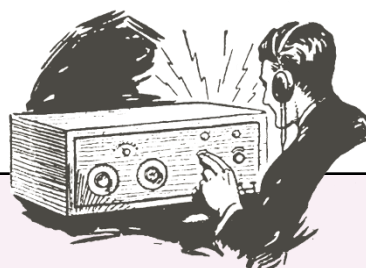


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Meeting Minutes



Lloyd Vandervort
N9PRU

CLUB MINUTES FOR NOV 2022

The meeting was called to order at 7:00 PM by President Dave McCumber N9WQ presiding. We then went around the room for introductions of all attendees. We then had our program via Skype with John Portune W6NBC on how to optimize magnetic loop antennas. Here are the details to optimize magnetic loop antennas:

- Conductor diameter is the most important item for efficiency
- Construction materials are critical since RF flows on the surface. Foil conductors work well.
- Loop shape with a square is good and easy to make.
- Self resonance is important.
- Matching loops
- Tuning loops

John showed how to make a square loop out of PVC pipe covered with adhesive aluminum foil. Multi turn loops can be made for lower frequencies. The complete presentation can be seen at John's website: [www. w6nbc/mag loop](http://www.w6nbc/mag loop).

We then proceeded to our normal business meeting with the approval of the October meeting minutes published in the club newsletter. Bill Kieckbusch KG9IO to approve the minutes. The motion was seconded by Dave McCumber N9WQ. The motion passes to approve the minutes as published.

Doug Schultz N9EZF then presented the Treasurer's report. A motion to approve the Treasurer's report was made by Jack Heil KG9IN and the motion was seconded by Tom Powell KC9VXR. The motion to approve the Treasurer's report passed. Doug Schultz then announced that the VE team has Amateur license exams scheduled for Dec. 10, 2022 in Room O-122 at MPTC from 9:00AM until noon. If you are taking an exam you will need a FRN issued by the FCC website as well as an email address to put on the FCC application. Cost of the exam is \$15 which gets paid to the VE's at the exam. That money then gets sent into the ARRL VEC to cover the cost of mailing as providing all the exams items.

Joe Scheibinger K9VY Vice President reported that we have 14 new club member this year.

Cully Kowal KS0D reported the 501C3 application is still at the IRS being processed.

Paul Bleuel KC9NAA then reported that this years Christmas Party will be Gino's restaurant on west John Street on Wed. Dec. 7th. The bar opens at 5:00 PM and dinner begins at 7:00 PM Price of the meal is \$18.95 which can be paid at the bar. Bring a gift pass of approximately \$10 to the party. Joe has sent out an email so you can register so they can get an idea how many our attending and have enough food for the group.

Joe Scheibinger K9VY then announced that the club's trailer has a new winter home in Dick Finn's KC9ZVW's hangar the Fond du Lac Airport.



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CLUB MINUTES FOR OCTOBER 2022 (CONTINUED)

Then we held Nominations and Elections. Under Nominations we had the following nominations.

Board of Directors: Phil Schmahl W9PHL and Paul Bleuel KC9NAA, Sgt. Of Arms: Paul Bleuel KC9NAA

Secretary: Tom Powell KC9VXR, Treasurer: Doug Schultz N9EZF, Vice President: Joe Scheibinger K9VY,

President: Dave Mc Cumber N9WQ and Bob Burrier N2TSQ

Results of the Elections:

Board Member: **Phil Schmahl W9PHL**

Sgt. Of Arms: **Paul Bleuel KC9NAA**

Secretary: **Tom Powell KC9VXR**

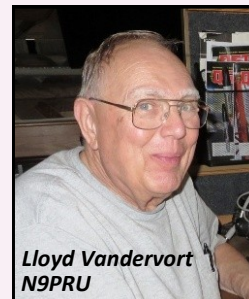
Treasurer: **Doug Schultz N9EZF**

Vice President: **Joe Scheibinger K9VY**

President: Dave McCumber N9WQ and Bob Burrier N2TSQ ended in a tie. A coin toss then resulted in **Bob Burrier N2TSQ** winning the presidency.

We had three new memberships to get approved They were Tom Sturtevant as well as Bob Wagner and his son. Tom and Bob will be taking amateur license exams on Dec. 10, 2022. All were approved on a voice vote.

The meeting was adjourned at 8:40 PM.



Lloyd Vandervort
N9PRU

THANK YOU FOR BEING A MEMBER!

Club membership 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 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

Check out the new poster on the right! This poster is also attached to the email that is bringing your newsletter. Please attach the picture to your Facebook page! Announce to your friends that we will be meeting Monday night and tell them how much fun you can have being a Ham Radio Operator. There are applications for membership inside this newsletter. Print them off and for every member you bring to the club, you receive a years membership FREE!





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"22 IN 22"

MEMBERSHIP DRIVE

WE STILL HAVE **6** NEW MEMBERS TO GO GO!

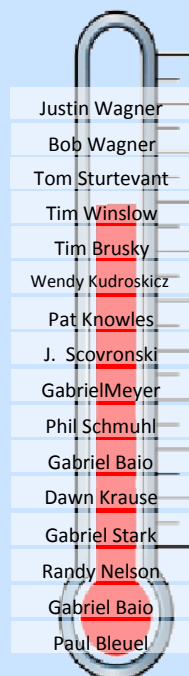
WE PICKED UP 3 NEW MEMBERS AT OUR NOVEMBER MEETING!

I am pleased to report this month as of the writing of this newsletter. Justin Wagner, Bob Wagner, and Tom Sturtevant have joined the FARC as new members. We only have 6 positions left for 2022 to make our goal for the year.

Even in these days of instant communication via cell service, Amateur Radio is growing leaps and bounds! It's a great hobby.

Best wishes for a very Merry Christmas and a happy New Year to all the members of the FARC. It has been an outstanding year for us.

GOAL



CHANGE IN MONTHLY MEETING LOCATION AT MPTC

Moraine Park Technical College has informed us that having our monthly club meetings in Room A-112 in 2023 will be costing the club \$20 per hour. At our last meeting, the officers have decided that we will be moving our monthly meetings **starting in January, 2023** to Room B-124 through the May meeting. This new room is actually bigger than the one we were using and it has all of the bells and whistles needed for our audio visual needs. This room will be free for our members.

MPTC will then be renovating the B wing through the summer and fall. Starting with the June 2023 through the November 2023, the meetings will be in Room C-005.

Watch the newsletters on page 2 for the locations of future meetings. Please remember that our December meeting at Gino's will be our Christmas Party, so we will not be at Moraine Park for December. See you at the party!





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heritage

It's fun to go back in history and look at the achievements we have made as Amateur Radio operators. So throughout the year we will investigate old and fun news stories about local radio and local Hams from our area. So let's go back and take a peek at our members from 2004!

I am having fun going through the box of memories we have! One of the goals for me for next year is to go through and inventory this huge stash of memorabilia and share it here in our newsletter! This picture was found in an envelope with a postmark of June 3, 2004. I'm not sure yet what it represents because it was included in a large chunk of paperwork, but it was great to see a young picture of Peter Fox and Justin Buell! If anyone has some history you would like to share about this picture please write to backstagelive@gmail.com.

Joe Scheibinger K9VY



PETER-FOX

JUSTIN-BUELL

DAR-LB RZ

ANDY MARTIN

ED. BOLTE



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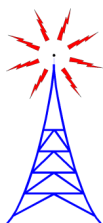
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HAMFEST/CONVENTION

FARC Christmas Party December 7. Cocktails at 5, dinner at 7. Gino's in Fond du Lac. See this newsletter for more information. No meeting at Moraine Park.



Ho! Ho! Ho!

SANTA'S ON HAM RADIO

Share the magic of Ham Radio and Santa Claus with your children, grandchildren, and neighborhood kids.

The Santa Net is held every evening between Thanksgiving and Christmas on 3.916 MHz at 7:00PM Central Time (check-ins open 1/2 hour before).

06/04/2023 - [Starved Rock Radio Club Hamfest](#)

Location: Mendota, IL

Type: ARRL Hamfest

Sponsor: Starved Rock Radio Club

[Learn More](#)

09/16/2023 - 09/17/2023

[Midwest Superfest](#)

Location: Chillicothe, IL

Type: ARRL Hamfest

Sponsor: Peoria Area Amateur Radio Club

Website: <https://www.w9uvi.org/midwest-superfest-2023>

[Learn More](#)



Hello Everyone,

I have for sale from the estate of Louie Simon - kb9vqm-sk, Astron RS-35a power supply - \$75.00.

Yaesu FT-1200 , 6 meter to 160 meter radio.

Has power cord, hand and base mic, voice recorder installed, Factory double boxes, and the SCU-17 for PSK31 or FT8 and others.

I am not sure if this radio was ever used since it was still in the factory boxes. \$900.00.

Palstar auto antenna turner. Handles up to 1500 watts. Used but in good condition.

Comes with a small power supply. These sell for \$1600.00 new.

Selling for \$800.00.

Ameritron ALS-1300 Amp. Puts out up to 1200 watts. Come with Power supply.

Never used. These sell for \$3600 new from the store. Selling for \$2700.

You can email me at - Rmaflat22@hotmail.com. Or text me at 920-923-6928

with any questions. Have a good day. 73 de kb9ofm - Dennis

Pictures on next page



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— FDL 73 —



www.fdlhams.com

December 2022

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FARC RECORDED MEETINGS



Videotaped 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

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



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CLIP AND SAVE FOR YOUR SHACK

NASA SPACE FREQUENCIES

- **136 - 138 MHz** This band was used heavily by many different types of satellites in the past. Today (2012), most activity is restricted to 137-138 MHz (which is the current allocation) and consists of meteorological satellites transmitting data and low resolution images, together with low data rate mobile satellite downlinks (Orbcomm)
- **144 - 146 MHz** One of the most popular bands for amateur satellite activity. Most of the links are found in the upper half of the band (145 - 146 MHz).
- **148 - 150 MHz** This tends to be used for uplinks of the satellites that downlink in the 137 - 138 MHz band.
- **149.95 - 150.05 MHz** This is used by satellites providing positioning, time and frequency services, by ionosphere research and other satellites. Before the advent of GPS it was home to large constellations of US and Russian satellites that provided positioning information (mainly to marine vessels) by use of the Doppler effect). Many satellites transmitting on this band also transmit a signal on 400 MHz.
- **240 - 270 MHz** Military satellites, communications. This band lies in the wider frequency allocation (225 - 380 MHz) assigned for military aviation.
- **399.9 - 403 MHz** This band includes navigation, positioning, time and frequency standard, mobile communication, and meteorological satellites. Around 400 MHz is a companion band for satellites transmitting on 150 MHz.
- **432 - 438 MHz** This range includes a popular amateur satellite band as well as a few Earth resources satellites.
- **460 - 470 MHz** Meteorological and environmental satellites, includes uplink frequencies for remote environmental data sensors.
- **1.2 - 1.8 GHz** This frequency range includes a very diverse range of satellites and encompasses many sub-allocations. This range includes the GPS and other GNSS (Global Navigation Satellite Systems - Russian Glonass, European Galileo, Chinese Beidou). It also hosts SARSAT/COSPAS search and rescue satellites which are carried on board US and Russian meteorological satellites. It also includes a mobile satellite communication band.
- **1.67 - 1.71 GHz** This is one of the primary bands for high resolution meteorological satellite downlinks of data and imagery.
- **2.025 - 2.3 GHz** Space operations and research, including 'deep space' links from beyond Earth orbit. This encompasses the Unified S-band (USB) plan which is used by many spacecraft, and which was also used by the Apollo lunar missions. It also includes military space links including the US Defense Meteorological Satellite Program (DMSP). Many Earth resources (remote sensing) satellites downlink in this band.
- **2.5 - 2.67 GHz** Fixed (point-to-point) communication and broadcast satellites, although the broadcast allocation is only used in some Asian and Middle-eastern countries.
- **3.4 - 4.2 GHz** Fixed satellite service (FSS) and broadcast satellite service (BSS) downlinks. International TV broadcast uses this allocation heavily.
- **5.9 - 6.4 GHz** This is the FSS/BSS uplink for the 3.4-4.2 GHz downlink band.
- **8 - 9 GHz** This is used heavily for space research, deep space operations, environmental and military communication satellites. Many satellites/spacecraft carry complementary S and X band transmitters.
- **10.7 - 11.7 GHz** Fixed satellite services (FSS)
- **11.7 - 12.2 GHz** Broadcast satellite service (BSS) downlinks. This band is used for domestic TV programs.
- **14.5 - 14.8 GHz** The uplink for the previous Ku downlink band.
- **17.3 - 18.1 GHz** An alternate 'Ku' band BSS uplink.
- **23 - 27 GHz** A region that will be used increasingly by a variety of fixed link, broadcast, environmental and space operations satellites in the future as more bandwidth is required than can be provided in the lower bands. The disadvantage of this band is the increased absorption due to water



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First	Last	Call Sign
Fred	Lloyd	AA7BQ
Pete	Leonard	AA9UU
Todd	Beay	AC9EX
Doug	Iverson	AC9XW
Jim	Balthazor	K9AIX
David	Zittlow	K9DUJ
Dot	Olig	K9FDL
Chuck	Mahnke	K9HXI
Ray	Grenier	K9KHW
Carl	Luetzelschwab	K9LA
Joe	Scheibinger	K9VY
Walter	Meyer	K9WKM
Patrick	Knowles	K9ZPU
Steve	Weinert	K9ZW
Brad	Gehrt	KA9JDE
Ed	Steinfeld	KB1ZJK
Dennis	Paulin	KB9OFM
Larry	Lamont	KB9POP
Peter	Fox	KB9WZD
Justin	Buell	KB9YET
Kirk	Everson	KC9FZE
Don	Chapman	KC9KZQ
Marjean	Buck	KC9LFI
Neal	Buck	KC9LFN
Brian	Turkiewicz	KC9LFR
Joe	Lauber	KC9MDY
Randy	Nelson	KC9MYG
Paul	Bleuel	KC9NAA
Tom	Trethewey	KC9ONY
Brad	Freund	KC9QYP
Tony	Pass	KC9QYR
Larry	Mielke	KC9RUE
Jeremiah	Alderden	KC9SGL
Donna	Blend	KC9TFN
Buddy	Larson	KC9UVJ
Tom	Powell	KC9VXR
Blend	Bowen	KC9VXV
Tom	Karrmann	KC9VZY
Laurie	Winchell-Beltz	KC9YQS
Ron	Keller	KC9YVL
Doug	Murray	KC9ZVT
Dick	Finn	KC9ZVW
Fernando	Salazar	KC9ZVX
Lee	Clausen	KC9ZVZ
Donald	Bakke	KD0HCW
Dawn	Krause	KD9CAW
Mathew	Yates	KD9CSD
Gregory	Schmude	KD9EHB
Richard	Jarzynka	KD9EMX
Isaac	Lundberg	KD9FPG



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.



Fond du Lac Amateur Radio Club Newsletter

Gene	Peterson	KD9IAG
Ted	Gustavus	KD9IAH
Derek	Giese	KD9IAN
Walter	Drees	KD9JAD
Matthew	Zimmerman	KD9KTY
Ben	Haack	KD9LVQ
Frank	D'Imperio	KD9OXO
Raymond	Teschke	KD9QLE
Bill	Hutchinson	KD9TQA
Gabriel	Meyer	KD9UWC
Mike	Kraus	KD9UWD
Gene	Olig	KD9ZP
Jack	Heil	KG9IN
Bill	Kieckbush	KG9IO
Cully	Kowal	KS0D
Tom	Murray	N0HOR
Tim	Brusky	N2TIM
Robert	Burrier	N2TSQ
Reinholt	Aschmotat	N8VDH
Doug	Schultz	N9EZF
Tim	Winslow	N9ICD
Paul	Tvrdy	N9KLK
Gabriel	Stark	N9NEZ
Ed	Beltz	N9PJQ
Lloyd	Vandervort	N9RPU
Michelle	Lawrence	N9RQL
Mike	Lawrence	N9UA
James	Scovronski	N9WAM
Jim	Cole	N9WAP
David	McCumber	N9WQ
Timothy	Braun	W9AAV
George	Ulm	W9EVT
Steve	Smith	W9GPI
Ted	Neuburg	W9LUQ
Ted	Willett	W9NHE
Phil	Schmahl	W9PHL
Tom	Pachner	W9TJP
Ed	Sipple	W9VYO
Erling	Gruel	WB9QJD
Mark	Forss	WD9CYM
Dave	Witt	WD9W
Laura	Yates	
Scott	Kreis	
Debra	Drees	
Brad	Hansen	
Richard	Regent	
Tom	Sturtevant	
Gabriel	Baio	
Dave	Harms	
Wendy	Kudrowicz	
Bob	Wagner	



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