



# FOND DU LAC AMATEUR RADIO CLUB



## — FDL 73 —

www.fdlhams.com

December, 2021

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

### 2021 Club Officers

President:	Tom Karrmann KC9VZY
Vice-President:	Tom Powell, KC9VXR,
Secretary	Lloyd Vandervort N9RPU
Treasurer	Doug Schultz N9EZF
Sgt-at-Arms:	Paul Buell KC9NAA
Board Member	Justin Buell KB9YET
Board Member	Larry Mielke KC9RUE
Board Member	Ron Keller KC9YVL

### Committee Chairs

Contesting	Jack Heil KG9IN
Education	Jack Heil KG9IN
Scholarship	Jack Heil KG9IN
Field Day:	Jack Heil KG9IN
Labor Day Parade	Justin Buell
Net Manager	Doug Schultz N9EZF
Newsletter	Doug Schultz N9EZF
Public Service	Ed Beltz N9PJQ
Publicity/Program	Joe Scheibinger K9VY
Repeater	Lloyd Vandervort N9RPU
Testing	Doug Schultz N9EZF
Truck Committee	(open)
TVI	Lloyd Vandervort N9RPU
Web Site:	Tim Braun W9AAB

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

### Mailing Address

Fond du Lac Amateur Radio Club, Inc.  
PO Box 53  
Fond du Lac, WI 54936-0053  
E-mail: fdlhams@fdlhams.com

#### 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: Tom Karrmann KC9VZY

Well, the year is at an end, and I wish all of you a Merry Christmas and a Happy New Year, or whatever holidays you may celebrate. Just keeping the club meeting this year during the pandemic was a great feat, and we actually had a few presentations by club members at some of these meetings. I am looking forward to next year when we can resume having entertainment at most of our meetings, as I am sure most of you are.

As we finish off this year, please start to think of recommendations for next year. Remember we have officer elections in January, so please be there for that meeting so we can get our officer elections complete, and let's see where we can take ourselves next year.

I hope to see you all at the Christmas Party.

### What's Inside This Month?

- We Meet at the Radisson for our Christmas Party
- Christmas Party Information
- Refurbishing a Tri-Beam
- Congratulations to New License Holders
- Renewing your License After a Long Expiration
- Treasurers Report for November
- Secretary's Report for November
- Special Thanks to HRO in Milwaukee
- Dues for 2022
- Lloyd's Vlogger Page
- Scanner Mania
- Upcoming Events

## Our Next Meeting Is December 13

When: Monday December 13, 2021 at 6:00 pm / 7:00 pm

Where: Radisson Hotel Ballroom

625 W Rolling Meadows Dr, Fond du Lac, WI 54937

**Please Bring a Friend to the *Christmas Party!***



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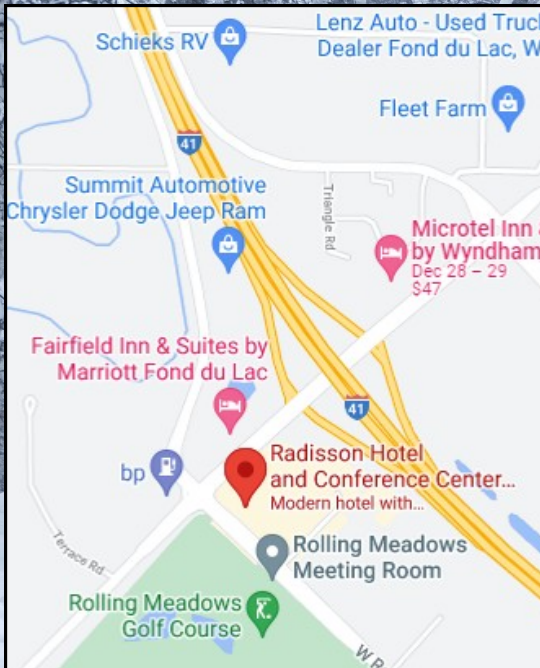
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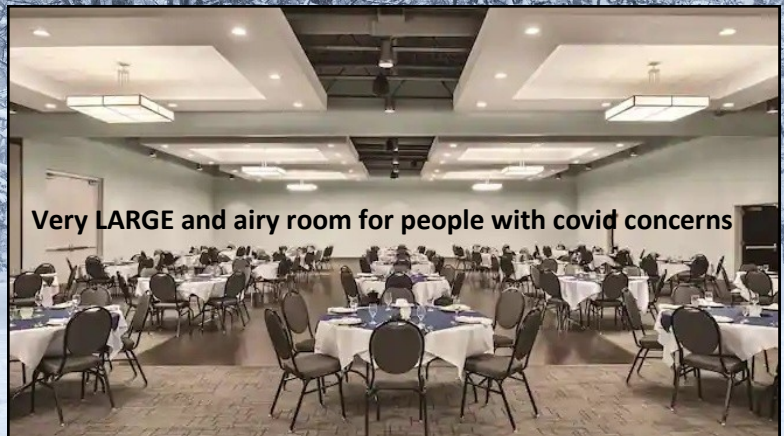
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OUR DECEMBER MEETING IS OUR CHRISTMAS PARTY!  
CHECK OUT THE NEWSLETTER FOR MORE INFORMATION



**Radisson**  
HOTELS & RESORTS



Very LARGE and airy room for people with covid concerns



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

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 [backstage@live@gmail.com](mailto:backstage@live@gmail.com).



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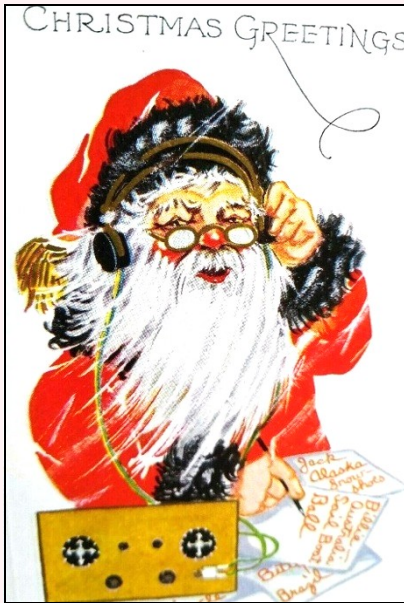


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## ***FARC Christmas Party!***

**Radisson Hotel Fond du Lac (Formerly the Holiday Inn)**

**Monday, December 13, 2021**

**Cocktails at 6:00 PM, dinner in the ballroom at 7:00 PM**

**Only \$25 per person *includes tax and tip!***

**Bring a small gift to pass for the gift exchange after the dinner!**

**Very Large Room for People with Covid Concerns**

Seeing that it's been 2 years since we celebrated Christmas together, this year's Christmas party will be a very special and fun event! We will celebrate together at the Radisson Hotel on the frontage road across from Mercury Marine on HW 41, formerly the Holiday Inn. Seeing that we will have our party on Monday night, we can have the ballroom at no charge! The bar will be open for us for cocktails with an official gathering at 6:00 PM, with dinner following in the ballroom at 7:00 PM.

We will be doing our fun Christmas gift exchange right after dinner. The menu will include oven roasted Christmas turkey along with a succulent ham, whipped potatoes and gravy, seasonal vegetables, fresh baked dinner rolls, and a garden salad. Coffee, tea, and milk will be complimentary.

### **THREE WAYS TO SIGN UP!**

**By Mail:** Fill out this page and send it to the address in the coupon

**By Email:** Send an Email to [Backstagelive@gmail.com](mailto:Backstagelive@gmail.com) and let us know how many are coming

**By Phone:** Call 920-237-1450 and let us know how many are coming and reservations will be made for you

***A huge thank you to the Ham Radio Outlet in Milwaukee and MFJ Enterprise for donating some great door prizes for the party! Don't forget to bring your Gift to pass!***

**Clip this, fill it out and send it, or clip it and bring it to the meeting!**

Name \_\_\_\_\_ Phone \_\_\_\_\_

Guest 1 \_\_\_\_\_

Price - \$25 per person *all inclusive.* Amount Enclosed \_\_\_\_\_

Pay at the Door \_\_\_\_\_

***Send by mail to:***

**Joe Scheibinger  
FARC Banquet  
2809 Scenic Drive  
Oshkosh, WI 54904**

**Or call  
920-237-1450**

***Please make all checks payable to the Fond du Lac Amateur Radio Club***



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### REFURBISHING A TRI-BAND BEAM

By Doug Schultz N9EZF

This summer I noticed that my Mosley Classic 33 tri-band beam had some broken or cracked plastic trap covers after 35 years use. The antenna it self was used when I bought it in 1986 from a ham who lived on Lake Winnebago and he was selling it in the local advertiser paper. He had bought the antenna new from Mosley in 1962 and used it on a 40 foot tower for 20 years in Oshkosh. He had taken it down when he moved from Oshkosh to the west shore of Lake Winnebago and stored it in his garage. I had always wanted a tri-band beam so I bought it along with a Ham M rotor from this ham.

I purchased a Universal 30 ft aluminum self-supporting tower to mount the beam on and dug the hole to pour the base of the antenna. We ordered the concrete for the base and another ham helped keep the tower straight when the concrete truck began pouring concrete. The tower had a tilt base and weighed about 55 lbs so two of us could walk it up once it was assembled. We originally thought we could mount the antenna on the mast while the tower was on the ground. We did some measurements of the CL-33 antenna and found the length of elements which were a maximum of 26 feet and boom was 18 feet long made it difficult to mount it tilted.

Continued....





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The antenna weighs 42 pounds itself and Gene Olig KD9ZP came up with a simple solution with a pulley mounted to a U-bolt on the mast as well as on one of the tower legs to get the antenna up 30 feet. We used the rope pulley system to mount the beam on to the mast.

Before I put the antenna up on the tower in 1986, I changed the trap covers and cleaned up the aluminum joints as well as put Penetrox on them. Fast forward to 2021, I mentioned to Peter Fox KB9WZD at the Sept., 2021 club meeting that I needed his assistance to get the antenna down so we could change the trap covers as well as clean up the trap joints and put some new Penetrox on them we reassembled the traps to the antenna. I had to order new trap covers from Mosley which took about two weeks to arrive. Since they have been manufacturing this antenna since 1956 to present so parts are readily available.

Peter Fox KB9WZD contacted me in early November and said he wanted to come out to look at the antenna as well as the tower to decide what was the best approach to take it down to refurbish it and then get it back on the tower. Peter Fox KB9WZD looked it over and agreed the pulley system would work with a ginpole as a backup plan. Peter was waiting for a good quiet day wind wise to do the antenna work on that weekend. He picked a Sunday with the weather being perfect with light winds and 60 degrees. He said he needed a ground crew of three including myself. Lloyd Vandervort N9RPU and Dennis Paulin KB9OFM were the rest of Peter's ground team since they have the most experience taking down antennas as well as towers. Peter fabricated a special pulley system which moves the pulley out from the mast and lines up to a second pulley mounted on the tower leg. When it came time to get the antenna down using this pulley system it worked perfectly and when we got the beam on the ground we could then move it over to Peter's heavy duty sawhorses to work on the antenna.

Once we got the antenna on the sawhorses, I checked the hardware and only found one screw loose on the bracket underneath the driven element.

Dennis, Lloyd and Peter began removing the traps and the cracked caps. We found the traps in good condition since the antenna worked decent prior to its removal from the tower. We used steel wool to clean up the trap joints on all three elements. We found the Penetrox had dried out over the 35 years so once the joints were clean then we reapplied new Penetrox to the joints. We then put the new caps on the traps and screwed the elements together making sure the trap vent holes were down on the antenna. We then moved the antenna back over to the tower so we could pull it back up via the rope and pulley which went smoothly.

**Continued....**





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Peter Fox KB9WZD had to then re-orient the antenna direction to match the rotor direction and then tighten the u- bolts from the mounting bracket to the mast. Once that was complete Peter Fox then hooked up the coax and had me rotate the antenna to make sure the coax didn't bind. He then weather-proofed the coax connector and he asked me to check if the antenna tuned up correctly with built-in antenna tuner on my HF rig. The antenna tuned up normally on all three bands.

The next question then Dennis Paulin asked me after the refurbished beam had been up a week did it work better? It definitely works like a new antenna on 15 meters FT8 operation because I would struggle working European hams on FT8. I definitely don't have any problem working them now and I was able to work into Australia on 15 meters FT8 on a recent afternoon. Our club is very fortunate to have Peter Fox KB9WZD, Lloyd Vandervort N9RPU and Dennis Paulin KB9OFM willing to help club members with antenna projects like this one. I cannot thank them enough for the help they gave me on this antenna project!



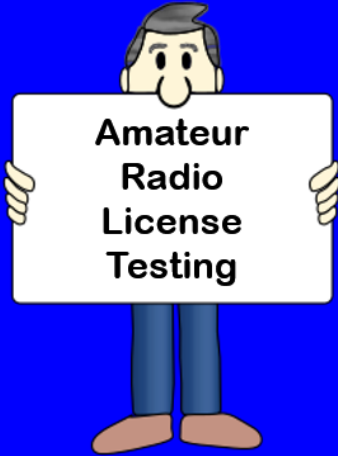


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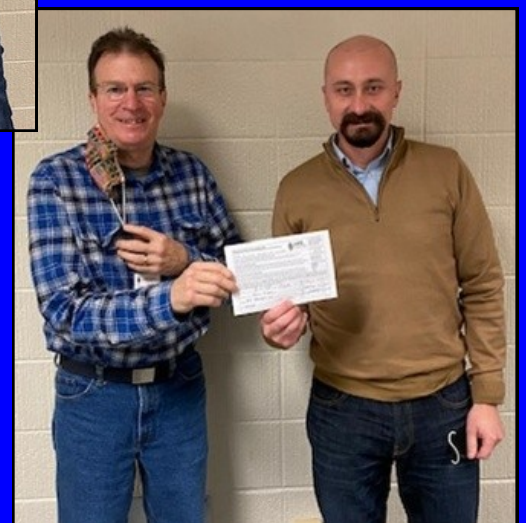
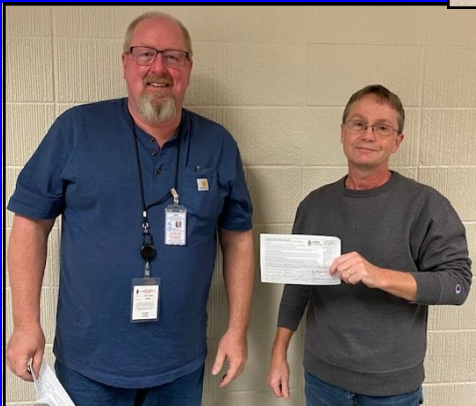
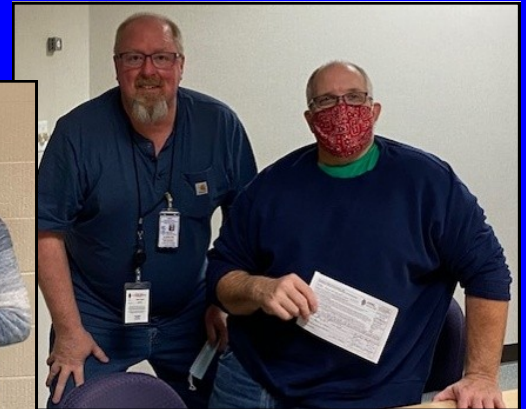
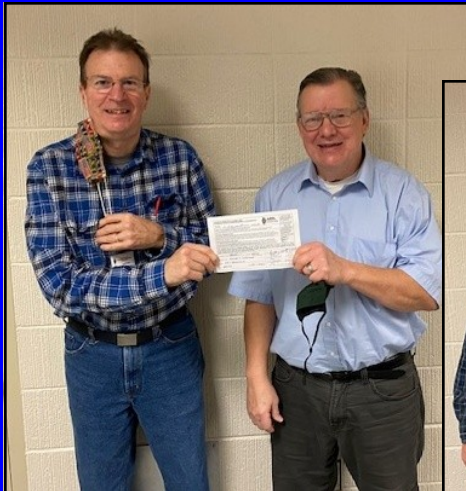
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## CONGRATULATIONS!

December 4, 2021 Amateur License Exams

We had a group of three prospective new hams that participated in the Amateur License Exam session held on Dec. 4, 2021 at MPTC. All three earned their Technician Amateur licenses at the exam session. They are: Dave Harms, of Plymouth, Yunyi Shen of Madison and Steve Osthus of Greenville. We had two Technician license holders that upgraded to General Class licenses at the exam session. They are: Bill Hutchinson KD9TQA of Waupun and Justin Zirbel W9JWZ of Neenah. I would like to thank Wally Meyer K9WKM and Paul Tvrdy N9KLN who are new VE's for their help at the exam session!





## Renewing Your License

### After a Long Expiration

I received a call from a gentleman in Waupun a few weeks ago asking about renewing his license after a very long time off Ham Radio. He was a very active ham holding all classes of licenses and he has been inactive for more than 15 years. Now he is retired and has some time on his hands and would love to get back in the hobby. So what happens in this scenario? Can you just re-apply and get all of your ratings back or do you have to test out each and every rating? I did a little research and the best article I could find on the subject comes from the *Anchorage Amateur Radio Club*. Here is a partial article from their newsletter.

#### Relicensing for Former Holders of Expired Amateur Radio Licenses

The FCC now offers partial credit for expired General, Advanced or Extra Amateur Radio licenses. A license that has expired and gone beyond the two year grace period will be canceled in the FCC system. The licensee will not automatically qualify for a new license. At a minimum, previous license holders must take the current 35-question Technician exam at a VE exam session to return to Amateur Radio. The FCC will issue a new call sign and a new license when the Technician exam is passed.

FCC Rule 97.505(a) offers partial credit to an examinee that has an expired General, Advanced, or Extra license. If an applicant held a General or Advanced license, and has proof, the FCC will afford credit for the General (Element 3) written exam only. If an applicant held an Extra license, and has proof, the FCC will afford credit for the General (Element 3) and Extra (Element 4) written exams. The section titled "Valid Forms of Exam Element Credit for Expired Licenses" explains how to verify the license status of someone eligible for such credit under Section 97.505 of FCC Rules.

**If their license has been expired for less than 2 years, they can simply renew the license. No additional testing is required.** Have them fill out a form 605, indicating that they are renewing an expired license, checking the appropriate blocks or entering information as needed, and submit it with the other paperwork for that exam session.

**If their license has been expired for a period exceeding 2 years and one day, they must first take and pass the Technician (element 2) exam.** Once that exam is passed, they must then demonstrate proof of having held a license of a "higher" class, such as a General, Conditional, Advanced, or Amateur Extra Class. The fact that they once held a Technician, Technician Plus, or Novice class license does not allow them to skip this step. Their application for a new Technician license will be processed as for any other applicant. If they have provided acceptable proof of having previously held a General, Conditional, Advanced, or Amateur Extra class license, they will also be upgraded as part of the same process.



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### VALID FORMS OF EXAM ELEMENT CREDIT FOR EXPIRED LICENSES

At a test session, the VE's will review all credit documents presented by applicants. Persons who hold an expired General or Advanced license receive General written exam (Element 3) credit per FCC Rules. Persons who hold an expired Extra license receive General (Element 3) and Extra (Element 4) written exam credit per FCC Rules.

This can be verified if an applicant presents any of the following:

- Per FCC Rule 97.505(a), an original or copy of an original expired FCC issued General, Advanced or Extra license as indicated on the license.
- A REFERENCE COPY of the license printed from the FCC ULS license database or FCC archive database located on the FCC website at <http://wireless.fcc.gov/uls/index.htm?job=home>.
- If licensed in the mid-'70s or after, FCC will issue a 'License Verification Letter' indicating that the applicant was licensed. The FCC stated any requests for verification must be submitted in writing to: FCC, ATTN: Amateur Section, 1270 Fairfield Rd, Gettysburg, PA 17325. The request must include name, address, telephone number, date of birth, call sign issued at that time, and when the license was granted (if exact date is not known, give the approximate time frame). The FCC asks those inquiring to include any information that may be helpful in researching these requests, but it does not need to know details of the examination session, such as where the test was administered or who gave it. "These requests must be researched on microfiche, so they will be very time-consuming," an FCC spokesperson said, adding that no one should expect an overnight response.
- For 1966 or more recent records, the FCC's research retrieval service contractor, Best Copy & Printing, Inc. (BCPI), will obtain the General, Advanced or Extra license certification from FCC records. There is a charge for this service. For assistance in purchasing copies of FCC documents, please contact BCPI directly. Phone: 202-488-5300 or 1-800-378-3160. TTY: 202-488-5562. Fax: 202-488-5563. Email: [fcc@bcpiweb.com](mailto:fcc@bcpiweb.com). Web: [http://www.bcpiweb.com/fcc\\_research.php](http://www.bcpiweb.com/fcc_research.php).
- A 1967 Edition, or later, Radio Amateur Callbook listing is acceptable as proof provided the 'G' (General), 'A' (Advanced) or 'E' (Extra) license class appears on the page next to the call sign listing. Only Callbooks issued Fall 1967 or later will show the license class. Be sure to copy the year of publication reference, if not printed on the page.

### PRE-1987 TECHNICIAN LICENSE "GRANDFATHER" ELEMENT CREDIT

FCC Rule 97.505(a) offers partial credit to pre-1987 Technician licenses. If an applicant held a "Technician" prior to 3/21/1987, and has proof, the FCC will afford credit for the General (Element 3) written exam only. The FCC does not require the applicant to have been continuously licensed. At VE exam sessions it is the applicant (not the VE's or coordinating VEC) who is responsible for supplying the evidence of holding valid grandfather credit.

The section titled "Valid Forms of Exam Element Credit for Pre-1987 Technician Licenses" explains how to verify the Technician grandfather credit status of someone eligible for such credit under Section 97.505 of FCC Rules.



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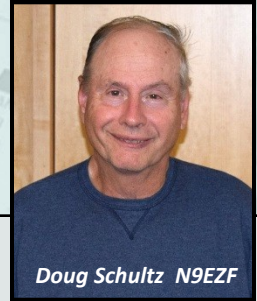
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### Treasurer's Report

Month of November 2021



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	1,497.37	0.00	1,497.37			1,032.52	464.85	
General Use Fund	*5724.98	3.00	5,727.98			4,537.41	1,190.57	
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>7,266.47</b>		<b>7,269.47</b>					
<b>FDL REPEATER ASSN.</b>								
Repeater Fund	153.61	0.00	153.61			0.00	153.61	
<b>TOTALS</b>	<b>153.61</b>		<b>153.61</b>					
*Corrected to match bank statement								
<b>TOTALS</b>				<b>19.12</b>	<b>25.00</b>	<b>5,569.93</b>	<b>1,809.03</b>	

**Income**

<b>TOTAL</b>	<b>23.00</b>
	25.00
<b>TOTAL</b>	<b>25.00</b>

**Expenses**

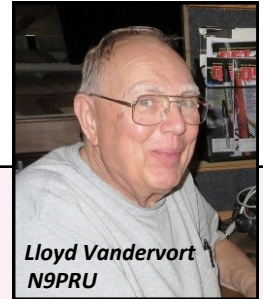
Safety Dep. Rent

red 0.00

**Bills Needing Approval to Pay & Action Requi**



## Meeting Minutes



Lloyd Vandervort  
N9RPU

### Minutes from the November Meeting

The meeting was called to order at 7:02 PM with President Tom Karrmann KC9VZY officiating. He asked for the introduction of the meeting attendees.

A motion was made by Cully Kowal KS0D to approve the minutes of last month's meeting and seconded by Doug Schultz N9EZF. Tom Karrmann asked for a vote on the motion to approve the minutes. All were in favor of approving the minutes as published in the newsletter. Tom Karrmann then asked for the Treasurer's report. Doug Schultz N9EZF reported that Tom Murray had returned the \$100 check for repeater rental and said he wanted to donate the electricity the repeater uses in his garage to the club. Cully Kowal KS0D made a motion to send Tom a thank you card and Paul Bleuel KC9NAA seconded the motion. A motion to approve the Treasurer's report was made by Lloyd Vandervort N9RPU and seconded by Tom Powell KC9VXR. President Tom Karrmann KC9VZY asked for a vote on the motion to approve the Treasurer's report and motion passed with no objections.

Tom Karrmann KC9VZY then said the business for tonight is election of officers because we don't have a quorum of members to hold elections. Joe Scheibinger K9VY suggested that we postpone the elections until the January meeting.

Tom Karrmann KC9VZY then asked for any old business from the floor. Cully Kowal KS0D said we need to approve the changes to the club by-laws. Vice President Tom Powell KC9VXR said we should look through the changes and decide on them at the January meeting. It has been said by some of the new members that we are spending too much time on business and not having ham programs. Joe Scheibinger K9VY said several of our scheduled programs for 2021 were cancelled by the Covid virus situation. We will be having more programs in 2022. It was mentioned that it would be nice if our repeater had internet access since it is a Yaesu Fusion repeater. Wally Meyer K9WKM will check and see if Spectrum is planning adding cable service to that location and what it would cost. Doug Schultz N9EZF said we will have amateur exams on Dec. 4, 2021 at MPTC in room O-103.

Joe Scheibinger K9VY said that the club Christmas party will be at the Radisson Hotel in Fond du Lac on Dec. 13, 2021 and there will be a gift swap up to \$10 at the party.

Cully Kowal KS0D mentioned that he has a get-well card for everyone to sign for Larry Mielke KC9RUE who is recovering from surgery.

A motion to adjourn the meeting was made by Lloyd Vandervort N9RPU and seconded by Cully Kowal KS0D. The motion to adjourn was approved and the meeting adjourned at 7:34 PM.



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### **Thank You to Ham Radio Outlet and MFJ**

A big thanks to HRO and MFJ for supplying door prizes for our Christmas event THIS MONDAY NIGHT at the Radisson Hotel in Fond du Lac. I visited with HRO last week on a Christmas shopping event and I am blown away with what is available for 2022, especially in SDR radio! More coming next year.

Joe Scheibinger K9VY



### **Nobody Beats an HRO Deal!**

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WOODBRIE, VA: 800-444-4799

## HAMRADIO.COM

### **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 Christmas party. If you can't attend, you can mail them to:

Doug Schultz N9EFZ  
Fond du Lac Amateur Radio Club,  
P.O. Box 53,  
Fond du Lac, WI 54936



### **Don't Miss an Episode!**

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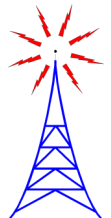
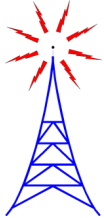
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Publication Corrections and Distribution



### HAMFEST/CONVENTION

11/13/2021 - Online - Wisconsin ARES/RACES Conference, ARRL Wisconsin State Convention

Location: Wisconsin Rapids, WI Type: ARRL Convention

Sponsor: WeComm Ltd Website: <http://www.wi-aresraces.org>

[1/13/2021 - Online - Wisconsin ARES/RACES Conference, ARRL Wisconsin State Convention](#)

Location: Wisconsin Rapids, WI

Type: ARRL Convention

Sponsor: WeComm Ltd

Website: <http://www.wi-aresraces.org>

[Learn More](#)

### 1/13/2021 - FARC CHRISTMAS PARTY!

See more inside this newsletter!

We have two more exam sessions scheduled for 2022 at MPTC. They are scheduled for:

Saturday, February 19, 2022 from 9:00 AM until Noon in Room O-122 at MPTC.

Saturday, April 9, 2022 from 9:00AM until Noon in Room O-122 at MPTC.

### 01/22/2022 | MRAC 105th Anniversary

Jan 22, 1000Z-1700Z, W9RH, Milwaukee, WI. Milwaukee Radio Amateurs' Club. 7.250 14.250 145.390. Certificate. MRAC Special Event, PO Box 26938, Milwaukee, WI 53226. Operating W9RH. (CQ MRAC). One of America's oldest amateur radio clubs celebrating 105 years of continuous operation. Visit our website for operating frequencies (HF, VHF, WIRES-X) and certificate information. Station will be operating from HRO-Milwaukee. For more information, visit W9RH.org. <https://www.w9rh.org>

### 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**



**— FDL 73 —**

[www.fdlhams.com](http://www.fdlhams.com)

December, 2021

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***FREE FARC DOWNLOADS***



### ***Recorded Meetings Videotaped by Lloyd Vandervort N9PRU***

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

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

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

FARC - Pacific Antenna Talks Kit Building <https://youtu.be/SBreL2YIsn0>

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

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

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

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

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

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

FARC - Salvation Army Emergency Communications <https://youtu.be/oxXoZjuTTNE>

FARC - KFIZ, Morning Show with Bob Hoffmaster <https://youtu.be/UVFMCvRGEJE>

FARC - HAARP interview from Alaska <https://youtu.be/cdeNXLMuyEE>

FARC - The DZKit Ham Radio Kits [https://youtu.be/giZcfQW\\_tpA](https://youtu.be/giZcfQW_tpA)

FARC - Christmas Island DXpedition with Bill Kendall (4/9/18) <https://youtu.be/XgjYL0vAhlw>

FARC - Restoring Old Antique and Classic Radios (5/17/19) <https://youtu.be/3l352v4gYdw>



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### GREEN LAKE COUNTY AREA FREQUENCIES - PRINT OUT AND SAVE

#### Green Lake County ▶

Frequency	License	Type	Tone	Alpha Tag	Description	Mode	Tag
155.49000	KSB267	RM	136.5 PL	GLSO	Sheriff Dispatch	FMN	Law Dispatch
155.55000	KSB267	M	136.5 PL	GLSOTAC	Sheriff Car-to-Car	FMN	Law Talk
159.09000	KSB267	RM	627 DPL	GLJAIL	Sheriff Jail	FMN	Corrections
155.07000	KSB267	RM	114.8 PL	GLEMS	County EMS/Mutual Aid	FMN	EMS Dispatch
155.22000	KSB267	M	91.5 PL	GLEMSTAC	County EMS Mobile	FMN	EMS-Talk
155.34000	KUQ875	BM	91.5 PL	Berlin HospB	EMS to Berlin Memorial Hospital	FMN	Hospital
154.40000	KSB267	RM	136.5 PL	GLFIR	Fire Dispatch	FMN	Fire Dispatch
155.95500	KSB267	RM	114.8 PL	GLPAG	Paging	FMN	Multi-Dispatch
453.37500	KSB267	RM	114.8 PL	GLEM	Emergency Management	FMN	Emergency Ops
159.12000	KCT689	RM	127.3 PL	GLHWY	Highways	FMN	Public Works
159.10500	WNPB702	M	127.3 PL	GLHWYTK	Highways	FMN	Public Works

#### Berlin ▶

Mode	Tag	Frequency	License	Type	Tone	Alpha Tag	Description
FMN	Fire Dispatch	154.16000	WPGU990	BM	167.9 PL	Berlin FD	Fire Dispatch
FMN	Fire-Tac	154.07000	WPGU990	M	167.9 PL	Berlin FG	Fireground
FMN	Emergency Ops	453.35000	WPGU990	RM	114.8 PL	Berlin EM	Emergency Government
FMN	Public Works	453.72500	WPGU990	RM	141.3 PL	Berlin DPW	Public Works

#### Green Lake (City) ▶

Mode	Tag	Frequency	License	Type	Tone	Alpha Tag	Description
FMN	Public Works	155.14500	WNNQ938	BM	114.8 PL	Green Lk DPW	Public Works

#### Green Lake (Town) ▶

Mode	Tag	Frequency	License	Type	Tone	Alpha Tag	Description
FMN	Public Works	159.19500	WNNS955	BM	136.5 PL	Tn Grn Lk PW	Public Works

#### Markesan ▶

Mode	Tag	Frequency	License	Type	Tone	Alpha Tag	Description
FMN	Emergency Ops	154.04000	WNXS928	BM	136.5 PL	MarkesanLink	Emergency Management Link to UHF
FMN	Emergency Ops	155.04000	WNXS928	RM	114.8 PL	Markesan EM	Emergency Management
FMN	Public Works	155.92500	WNXS928	RM	114.8 PL	Markesan DPW	DPW

#### Markesan School District ▶

Mode	Tag	Frequency	License	Type	Tone	Alpha Tag	Description
FMN	Schools	451.32500	WPRH729	RM	116 DPL	Markesan Sch	Markesan School District
FMN	Schools	452.15000	WPRH729	M		Markesan Sch	Markesan School District



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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	WB9OJD
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



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	W9ZMF
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	N9KLL
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