



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

July 2023

WWW.FDLHAMS.COM



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

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

2023 Club Officers

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

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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
Fox Hunt	Ron Keller KC9YVL
Trailer Design	Justin Buell KB9YET
WI QSO Party	Dave McCumber N9WQ
Web Site	Tim Braun W9AAV
Christmas Party	Paul Bleuel KC9NAA

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

FARC Volunteer Examiners

Managing VE - Doug Schultz N9EZF
 Jack Heil KG9IN - Dick Finn KC9ZVW
 Joe Scheibinger K9VY - Wally Meyer K9WKM
 Paul Tvrdy N9KLLK - Tom Powell KC9VXR
 Pete Leonard AA9UU - Bill Kieckbusch KG9IO
 Phil Schmahl W9MW

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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

President Bob Burrier N2TSQ



What's Next?

It's hard to believe the year is half over. Before we jump to the remainder of the year, let's have a very short recap of the first half. Thanks to some good planning the club set forth an aggressive schedule of activities. We launched a membership campaign and sold some donated equipment to ease the cash burn. We have had some good meetings with a variety of entertainment topics. The WI QSO party was a club success. The GoBox was constructed and tested with great results. Our trailer was constructed to be very serviceable as we all saw on Field Day. We activated the Lakeside Park and Lighthouse, had our first Foxhunt in many years, and enjoyed a hot Field Day. Not bad for a club our size! Thank you to all who participated. I think there are a few more of you who have yet to express your participation, but opportunities remain.

Upcoming are the Labor Day Parade, followed by the Race the Lake event. Both are great fun, allow us to practice our communications skills and are in fact money makers for the club. In addition, the youth station involving the Boy Scouts is on the radar. Looking further ahead, there is our Holiday Party. I encourage those of you with interests we have not addressed as a club to come forward with ideas of club activities that can allow us all to broaden our ham horizons.

For me personally, I am going to try and devote time this fall to improving some of my ham skills. Low hanging fruit for me is to be able to run a pile-up, single handed. What this really means is to be able to log into a computer directly, avoiding making a paper log to be transcribed later or having a second person working as a scribe. There are several club members who are very good at this, and it really shows. I believe that we should all be working to practice and develop skills so that when we have club events, everyone is working at their own top skill. We have lots of resources to practice including borrowing the GoBox or one of the other club radios for a weekend if you need help. There is room for us all to make improvements. In addition to a recap of Field Day, I would like to spend time at our July meeting on "What's Next" 73' Bob

NEXT MEETING - Monday, July 10, 2023

Where: Moraine Park Technical College

235 N National Ave, Fond du Lac, WI

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



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WHAT'S INSIDE?

ENTERTAINMENT ANTENNAS!

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New Meeting Location

The Great John Portune and His Incredible Antennas

The Fox Gets a New Master

Meet Pete Leonard AA9UU

Dave McCumber Accepts FARC QSO Chairmanship

Lighting Up the Go-Box

Large Donation from the Sale of Items

Field Day Operations Very Successful

Field Day Pictures by Dennis Paulin

Field Day Pictures by Peter Fox

Build a 2 Meter Direction Finding Antenna

Secretary's Report

Treasurers Report

Heritage Page - From the Vault

Ham Radio Events and Club Activities

The FARC Classified Page

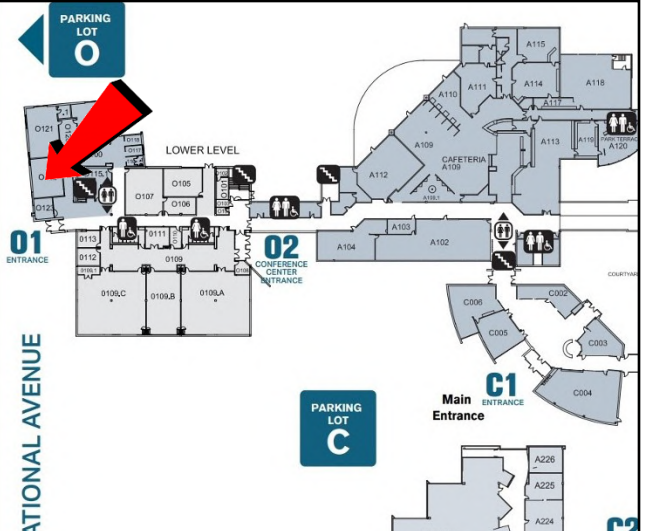
A Cartoon by Member Rich Regent, K9GDF

FARC Downloads

Membership Roster by First Name

Membership Application To Print Out

Fond du Lac
CAMPUS MAP



NEW MEETING ROOM

Moraine Park Meeting Room O-122

We were just informed that due to renovations at MPTC beginning on June 12, 2023 at MPTC we will be meeting in Room O-122 through our November 13, 2023 meeting.

Please park in the O parking lot since the room is very close to the entrance from that parking lot. Walk in, turn left, and you are there!



Official FARC Goody Table Set Up At Meeting

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

Hey FARC
How are we doing ?

Publication Corrections and Distribution

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



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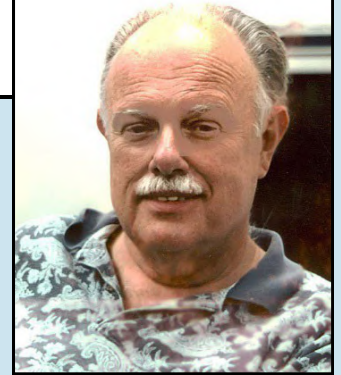
And on our 10 meter Net on Sunday's at 6:15 PM 28.450 / Chat on Thursday's at 8:00 PM 28.360

ENTERTAINMENT

Through
Education

John Portune W6NBC

Ham Extraordinaire



COAX / SLEEVE DIPOLE ANTENNAS AND FOX HUNT DIRECTIONAL ANTENNAS

Many of you have read his articles or seen him on YouTube. One of the most knowledgeable persons in Ham Radio will be our guest for the August meeting on Monday. Before we talk about the subject, you need to know more about this incredible Ham!

John is a native of Los Angeles, CA and has been licensed as an Amateur Radio operator since 1965. He gained his Extra certificate in 1972. He also has a commercial license in General Radio Telegraph "GROL." John has been a 10 year resident of the UK with the call sign MØGCK.

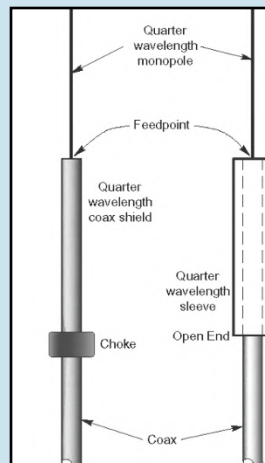
John has spent his career in broadcast television. He received a Bachelor's degree in Physics from Oregon State University in 1960. He became a career (Retired) TV broadcast television engineer/instructor at KNBC Ch 4 in Los Angeles, Sony Broadcast, San Francisco.

John is a Ham magazine author publishing articles in QST (over 25 articles to date) and other publications. He gives frequent free radio club Zoom presentations for Ham Radio meetings and live at ham expos. John is active on HF, VHF, UHF – SSB, FM, digital modes, and ham satellites.

John will be speaking on two subjects of major interest to our club at this time. Homebuilding antennas has always been the mainstay of our hobby. John will be talking about homebuilding coaxial/sleeve dipole antennas, excellent for extending the range of a Handi Talkie for portable events, camping or RVing. After that, John will be discussing directional antennas for our new Fox Hunting events.

In fact, John has given us permission to reprint and article he wrote for QST magazine, reprinted with his permission on the next 2 pages.

We have had the honor of having John at one of our meetings back a little less than a year ago and he has always been one of our favorite presenters. See you at Monday's meeting!



Two Ways to Make the Sleeve

1. An Actual Sleeve
2. A *trick* – place a choke $\lambda/4$ down the sleeve from the feedpoint

A Uniquely Tuned 2 Meter Transmitter Hunting Loop

This compact, inexpensive, easy-to-build loop is ideal for close-in direction finding and transmitter-hunting.

John Portune, W6NBC

One of the hidden joys of transmitter-hunting is that it provides an excuse for home-brewing. As a new participant in this radiosport, I found myself constructing antennas I never would have considered for other activities. This little loop is a perfect example (see Figure 1).

The Basic Dynamics of Transmitter Hunting

At the starting point of a transmitter hunt, one needs high gain — a Yagi or quad, and a sensitive receiver. As you approach the hidden transmitter, however, the game changes dramatically. Now you need a portable antenna and an attenuator. This is the realm of the loop or a hand-held Yagi. I prefer the loop. It's handier and, in most cases, just as effective.

Loop Sensitivity

Compared to a Yagi or a quad, a small loop has downsides, even though it does have equally good directivity. One is its size, which does not let it capture as much signal, particularly if not tuned to the frequency of the transmitter. Commercially manufactured direction finding (DF) loops are often not tuned. They are designed this way to permit them to be used on more than one band.

I preferred to increase my loop's ability to receive by tuning it to 2 meters with a variable capacitor at the loop's ends. The loop's untuned resonance is roughly 450 MHz, making it inefficient on 2 meters. For locating radio-tagged wild animals, finding memory impaired patients or locating a VHF aviation beacon, it is easy to retune the capacitor for another VHF band.

I chose a somewhat unconventional variable capacitor simply because common rotary and compression mica variables are awkward to add to a loop. Furthermore, they are becoming hard to find. At first I did not know what kind of variable capacitor to use. Then lightning struck.

Why not dispense with using a discrete capacitor at all? Let the loop itself be one of the plates of a variable capacitor by construct-

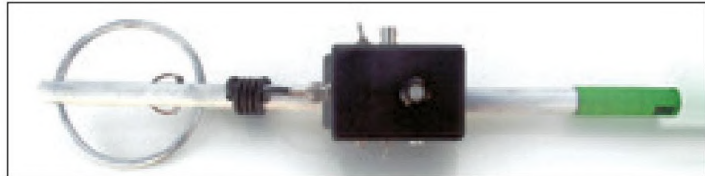


Figure 1 — Left to right, loop, coupling loop, balun, attenuator and handheld transceiver mount (behind attenuator).

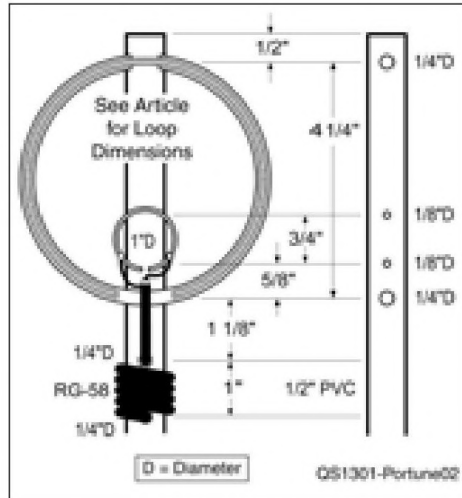


Figure 2 — The transmitter hunting loop. Note that a tuning capacitor is formed by the tubing of the loop itself and an inserted length of the inner conductor and dielectric from RG-8X coax.

ing it of tubing instead of solid rod or wire. The other plate of the capacitor is 11½ inches of the center conductor and dielectric of a piece of RG-8X coax, with the black outer jacket and shield removed. It's inserted inside the tubing of the loop as shown in Figure 2.

Notice that this design creates two capacitors in series. One is to the right of the gap, the other to the left. As illustrated in Figure 3, when the sides are equal total capacitance is maximum. Move the sliding piece to either side and the capacitance decreases, increasing the resonant frequency. Note the equivalent circuit of the two capacitors.

Therefore, to adjust the frequency of the loop you merely slide the coax inner conductor and dielectric with your fingernail at

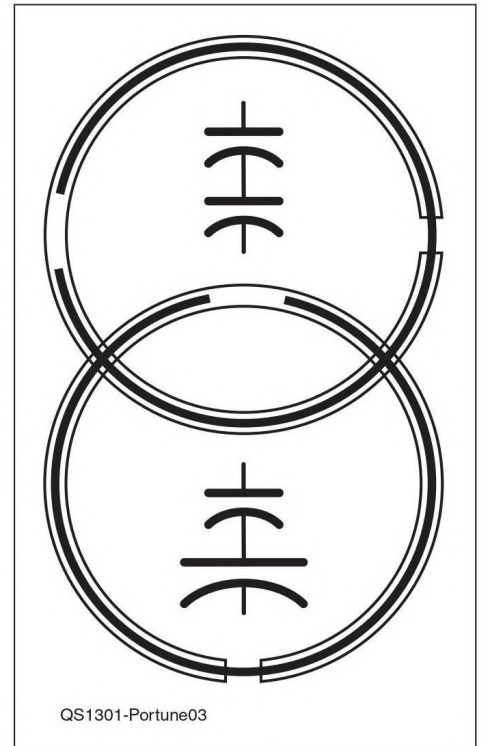


Figure 3 — Cross sections of the loop with coax inner conductor and dielectric from RG-8X coax in two different positions. Maximum capacitance is with the inner conductor at the left.

the gap in the top end of the boom. See Figure 4.

The tuning is very stable. I've never needed to retune my loop, though I did have to experiment, using an antenna analyzer, with tubing size and inner conductor length to find the right combination. Just duplicate the dimensions and you will have no trouble tuning the loop.



Figure 4 — Loop from the top end. Tune the loop by sliding the coax inner conductor and dielectric with your fingernail.



Figure 5 — Carol Adams, KG6VLG, demonstrating the use of *body fade*. Note the placement and orientation of the loop. She is facing the hidden transmitter.

The Small Coupling Loop

There are several possible ways to match the loop to 50 Ω coax. I use compact and flexible RG-58 for this application. From practical experience with small loops, I have found that an inductive coupling loop is the easiest matching method. This one is 1 inch in diameter, made from #14 AWG solid copper wire. Note that there is a gap in it inside the boom. Solder the feed coax, as shown, to the coupling loop just outside of the boom. There is no electrical connection to the main loop. The two constitute an RF transformer with energy passing via magnetic induction.

Tuning the Antenna

The easiest way to tune up the antenna is with an antenna analyzer such as an MFJ-259 or equivalent. Begin by centering the coax inner conductor. Next find the

resonant frequency by sweeping across the VHF band with the antenna analyzer connected to the feed coax and looking for the SWR dip. It will be below the 2 meter band at first. Again, don't concern yourself with SWR. If you later want to use the loop for transmitting, you can then fine tune the coupling loop for a better match. For receiving, the dimensions shown are entirely adequate.

Slide the coax inner conductor with your fingernail in small increments. Each time, again find the dip. Gap length increments work fine. Repeat the process until you reach the desired frequency. I easily tuned up a dozen new loops this way one afternoon at a radio club build-it session.

Building the Loop

The vertical boom is a length of common 1/2 inch PVC water pipe, visible in Figure 2. The pipe shown is actually the handle of a dust pan. It is a little lighter and has a nice feel.

Construction is very straightforward. Cut and bend the loops with your fingers. A form is not necessary. Then drill the holes in the boom for the loops and balun. Next, rotate the loops into place through the holes and add the coax, forming the balun as you go. Finally, solder the ends of the coax to the coupling loop and attach a connector.

An Attenuator

To use the loop as part of the sport of radio transmitter hunting you will need an attenuator. It cuts down the strong signals as you get close to the hidden transmitter. Without it, your receiver will saturate and you will lose the ability to determine directions through peaks and nulls.

Two types of attenuator are common. One operates with the receiver "on channel" and attenuates with switchable resistive pads or a potentiometer. The other, called an *off-set* attenuator, mixes the incoming signal with a local crystal oscillator, typically at 2 or 4 MHz. Hence, you listen high or low. With a resistive on-channel attenuator your receiver needs to be shielded to prevent direct pickup through the case. An off-set attenuator is much simpler to use.

I also made the boom long enough to accept glued-on rectangles of PVC, cut from a blank 120 V ac duplex PVC outlet box cover plate. You attach the attenuator and 2 meter handheld transceiver to these with squares of stick-on hook and fastener.

The Balun

Also essential to all transmitter hunt antennas is a balun. If it is omitted, the antenna pattern will be skewed, which

could lead you in the wrong direction.

As above, drill four additional holes in the boom to secure it. This type of balun is an RF choke formed of five turns of the feed coax. VHF ferrite beads may also be used.

Using the Loop

When using this antenna, keep in mind that there are two nulls and two peaks. The peaks occur when the loop is in line with the hidden transmitter, the nulls when it is broadside. To resolve this all you need is a very elementary transmitter hunting technique called *body fade*.

With the loop held close to your chest, and also in line with the transmitter, turn in a full circle. You will still get two peaks (and two nulls). But with your body present the correct and stronger peak will occur when you are facing the hidden transmitter (see Figure 5). Once you know the right direction, hold the loop high above your head. The peaks and nulls will be more evident.

Many good construction and operating tips for transmitter hunting may be found on our radio club's website, satellitearc.com. Of particular value is an audible S meter that we dub "the screamer;" developed by veteran transmitter hunter David E. Dowler, KA6BFB. A variable tone eliminates the need to look at the S meter on your handheld. Also, the screamer has a much wider signal strength range.

Try this inexpensive little loop at your next transmitter hunt. You will be pleased. Also consider it as a radio club build-it project. It was a big hit at mine.

ARRL member and Amateur Extra class licensee John Portune, W6NBC, received a BSc in physics from Oregon State University in 1960 and a BA in liberal arts and communications from Ambassador College in Pasadena, California in 1963. He earned an FCC Commercial General Radiotelephone license and an FCC Radiotelegraph license. John retired as a broadcast television engineer and technical instructor at KNBC in Burbank and then from Sony Electronics in San Jose, California.

You can reach John at 1095 W McCoy Ln #99, Santa Maria, CA 93455, or at jportune@aol.com.

For updates to this article, see the QST Feedback page at www.arrl.org/feedback.



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RON KELLER IS THE CLUB'S NEW FOX!



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



The event was incredibly successful! So our club has decided to keep the program and find a Chairman for the event. Ron Keller has stepped up to become our very first Chairman of the Fox Hunt event. All in all, everyone learned a lot, had a great time, and enjoyed the outdoor experience (fantastic weather!) with fellow FARC club members. Everyone was eager to discuss planning of our next fox hunt with the desire to include many more club members in the fun.

Ron is going to design 3 Fox Hunts per year, spring, summer, and fall. At the next meeting, Ron Keller and Lloyd Vandervort will receive the first 2 Fox Hunt certificates. If you would like to help with the Fox Hunt events, please contact Ron Keller at kc9yvl@gmail.com.





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Meet **Pete Leonard AA9UU**



Each month we get to meet one of our members in a more formal way here in our monthly newsletter. This month we feature FARC member Pete Leonard AA9UU. Article written by Doug Schultz N9EZF.

Pete Leonard AA9UU had an interest in CB radio and shortwave listening in his younger days. He thought about getting a ham radio license but Morse code was required. He watched some YouTube videos on amateur radio and decided in 2019 begin studying for his Technician license.

He used Ham Study and Ham Prep online to help him in studying for both the Technician and General exams. Pete passed the Technician license in December, 2019 and the General license in March, 2020. He took both exams on online with the Greater Los Angeles Amateur Club VE group. Pete then began studying for the Extra exam in 2020 using the online resources along with taking lots of sample exams. Pete got his Extra license at an in person VE session at MPTC by the Fond du Lac VE's in December of 2021.

Pete used the book: "The Fast Track to Your Extra Class Ham Radio License" written by Michael Burnette. There is also a web page associate with the book with practice exam by chapter which tracks your progress.

Pete had an Anytone 878 DMR HT and Hotspot as a Tech. When he upgraded to the General license he picked up an Icom IC-7300 HF transceiver. He had a chance to spend a month in Sebastian, Florida where he found Europe and South America were easy to work on FT-8 in comparison to operating from Oshkosh, Wisconsin.

His antenna is a Wolf River Coils SB-1000 using it in a vertical configuration using the 102 inch telescoping whip. He also has a bracket to make it into an otophone with a second coil and telescoping whip off the ground. He would like to try an end fed wire antenna but he is limited at his home with a lack of trees. He does have trees at his permanent campsite at Big Flats, WI and he does operate HF there as well at home. He has worked several thousand FT-8 contacts since he has been licensed. Pete operates more digital contacts than he does phone contacts. Most of the time he runs 50 watts or less on FT-8.

Doug Schultz N9EZF.



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Dave McCumber N9WQ

FARC Wisconsin QSO Chairman



Dave McCumber Accepts FARC QSO Chairmanship

I am absolutely blown away after seeing what is in our history files! At the last meeting, we were very honored to have the present and past Chairmen of the Wisconsin QSO Party and the information we received was tremendous. We were all surprised to see our name posted in his presentation as winning the 2015 first place award. Upon going through and documenting our history, I find we took the #1 championship for 4 years! Pictured below are pictures of the trophies I uncovered which now are filed away in our fireproof filing cabinet for the day we get a clubhouse! Dave McCumber N9WQ will be our Wisconsin QSO chairman for the club. We can start working on this at our January meeting. The 2024 event will be mid March. With Dave's help, and with the help of the membership, we can take the 2024 championship as our own for the 5th year! Contesting is a very exciting hobby and a great addition to our already fantastic hobby. Every day I am finding precious tid bits of our amazing history that goes back to 1953. Thanks Dave for stepping up for this.



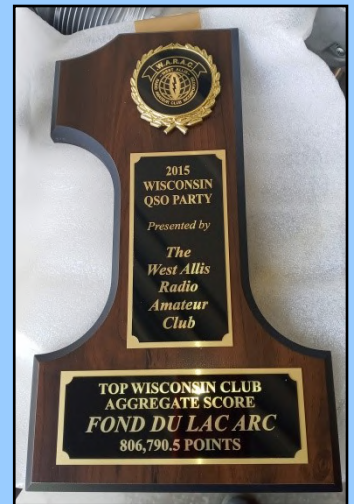
2009 First Place
517,516.5 Points



2010 First Place
977,185 Points

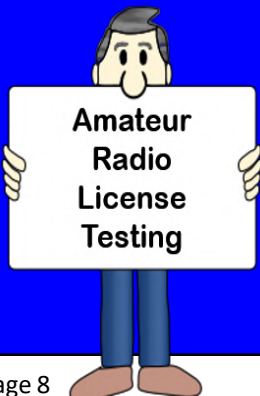


2012 First Place
955,805 Points



2015 First Place
806,790.5 Points

Next 2023 Exam Date is October 21st



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



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Lighting Up the Go-Box

On Saturday, June 17, and led by Lloyd Vandervort (N9RPU) a contingent of club members assembled at a shelter near the bandstand in Lakeside Park to try out the Go-Box. The group included Doug Shultz (N9EGF), Dennis Paulin (KB9OFM), Wendy Kurowicz, and me.

Using 1 ft slingshot Dennis made an immense shot that launched the wire antenna he constructed antenna perfectly in a high tree near the shelter. The wire antenna draped to nearly the ground and was then fed to the radio. Power for the radio was provided by a conveniently located power pole in the park. Upon inspection, the radio/antenna tuned on every ham band from 6-40.

The group took turns calling CQ, mostly on 20 meters. It quickly became apparent the bands were in horrible condition and what little chatter we could hear was mostly hams complaining about propagation. After everyone had a chance to practice their skill for Field Day, we called the outing a success and packed up after about 2 hours. All in all, the outing was a lot of fun, the weather was great (albeit smoky due to the Canadian wildfires), we made some contacts (FDL, TX, TN to list a few) and some good comradery was had. A few park visitors also expressed interest in what we were up to. The Go-Box is indeed ready to go at a moment's notice and should provide a great platform for both planned and spontaneous activations for years to come. Thanks to Lloyd for being the ringleader.

Bob Burrier N2TSQ





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Power Amp, Power Supply, and Tuner *SOLD!!!*

Funds will be donated to the club. We received a total of \$3800 with 10 bids plus \$130 for shipping. Dennis is taking the items to the UPS store for shipping. EBay charges around 10% for the sale so we still netting way more than we were expecting. With \$4000 of insurance, postage was around \$400. More at the meeting. Thank you Dennis!!!!



Ameritron / Palstar Power Amplifier Package New /

Paid: **\$3,800.00 + \$130.00 Shipping**
 Order number: 27-10250-56362
 Item number: 185964096063
 Date sold: Jul 06, 2023
 Quantity sold: 1
 Buyer: [bikeman45](#)

Bidder	Bid Amount	Bid Time	Location	Action
bikeman45 (687)	\$3,800.00	5 Jul 2023 at 8:16:00pm PDT	34786-5600	Print shipping label More actions ▾
kiarccpa (196)	\$3,750.00	5 Jul 2023 at 8:04:45pm PDT	177518463	Send Second Chance Offer
bikeman45 (687)	\$3,650.00	5 Jul 2023 at 8:15:22pm PDT	34786-5600	
bikeman45 (687)	\$3,500.00	5 Jul 2023 at 10:31:52am PDT	34786-5600	
kiarccpa (196)	\$3,450.00	5 Jul 2023 at 8:04:33pm PDT	177518463	
kiarccpa (196)	\$3,300.00	5 Jul 2023 at 8:04:18pm PDT	177518463	
bikeman45 (687)	\$3,250.00	5 Jul 2023 at 5:48:57am PDT	34786-5600	
kiarccpa (196)	\$3,250.00	5 Jul 2023 at 8:04:02pm PDT	177518463	
kiarccpa (196)	\$3,150.00	5 Jul 2023 at 8:03:51pm PDT	177518463	
amhulett (16)	\$3,000.00	4 Jul 2023 at 9:41:07am PDT	75068	Send Second Chance Offer
Starting price	\$3,000.00	29 Jun 2023 at 8:45:36am PDT		



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Dr Jack Heil KG9IN

Field Day Chairman



A VERY Successful Field Day

You might argue that we could have gotten more points by betting that the weatherman was wrong again!

Two points: First, the weather was severe to areas just North and South of us. Severe enough to have ruined equipment. Second, the Rules for Field Day state that this is NOT a contest. No prizes or other recognition other than point total listed in QST. Our exercise demonstrated that we could set up emergency communications equipment, and that we have trained operators. We demonstrated our capability more than adequately.

The VERY is added because of the great turnout by members, both old and new, and the good food and discussion that followed. A good time for all.

Yes, it was a long day for those of us that wrestled with the questionable weather Saturday night. A consensus was reached that there was little to be gained by leaving the equipment up for a few more hours of operation. Kudos to those that stayed and helped with the teardown. As we finished, a light rain assisted in confirming our decision.

Thanks to all that attended and special kudos those that assisted in the teardown.

Dr. Jack Heil KG9IN



Thank You for Being a FARC member

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

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



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

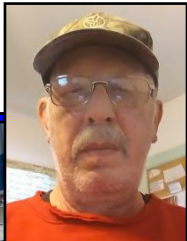
July 2023

WWW.FDLHAMS.COM



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

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



Dennis Paulin KB9OFM

Field Day Pictures 2023





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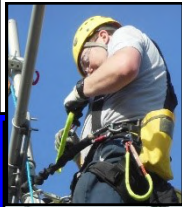
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Peter Fox KB9WZD

Field Day Pictures 2023





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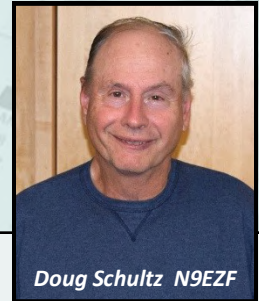
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Treasurer's Report

Month of June 2023



	Previous Month	Income & Expenses	Current Total	Cash	Savings Account	Checking Account	CD	Other
FDL RADIO CLUB								
Truck Fund	0.00	0.00	0.00			0.00		
Emergency Svc Fund	2,060.60	0.00	2,060.60			1,592.28	468.32	
General Use Fund	6,434.78	18.73	6,453.51			4,861.23	1,199.48	
Savings Account	25.00	0.00	25.00		25.00			
Petty Cash Fund	19.12	0.00	19.12	19.12				
TOTALS	8,539.50		8,558.23					
FDL REPEATER ASSN.								
Repeater Fund	154.72	0.00	154.72			0.00	154.72	
TOTALS	154.72		154.72					
TOTALS				19.12	25.00	6,453.51	1,822.52	
Income								
Dues								45.00
Raffle								11.00
							TOTAL	56.00
Expenses								
Joe Scheibinger		Fireproof File Cabinet and related parts						37.27
							TOTAL	37.27
Bills Needing Approval to Pay & Action Required								
Porta potty		Pit stop Portable						166.16
								166.16



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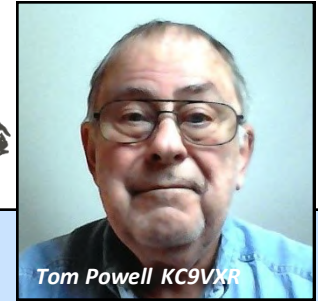
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Meeting Minutes



Tom Powell KC9VXR

June 2023

The meeting was called to order by President Bob Burrier N2TSQ at 7:00pm. Members introduced themselves along with how many times they have participated in the Wisconsin QSO Party. Guests Chuck Dellis W9WLX and Tom Macon K9BTQ presented information about the event sponsored by West Allis Amateur Radio Club. A motion was made by Cuuly Kowal KSOD and seconded by Paul Bleuel KC9NAA to approve the minutes of the last meeting. The motion was passed by unanimous voice vote. Doug Schultz N9EZF gave the Treasurer's report and indicated the need to pay a bill of \$166.16 for a porta-potty for Field Day. A motion was made by Tom Karrmann KC9VZY and seconded by Wendy Kudrowicz to approve the report and payment of the bill. The motion passed by unanimous voice vote.

Old Business

It was noted that no one has received responses from the post cards sent to County Hams not affiliated with the Club. Phil Schmahl W9MW was not present to report on the project. He has told Bob that he will meet with the Youth Station Committee after Field Day. The next Testing Session will be held on October 21 in Room O-122 of FVTC. Justin Buell KB9YET reported that the trailer modifications are almost complete and will be ready for Field Day. He displayed pictures of his work building shelves, drop down desk, lighting, wiring, etc. The Fox Hunt was successful and enjoyed by all. Joe Scheibinger K9VY nominated Ron Keller KC9YVL to be the Event Manager for future events. Ron will consider and discussion will continue at the next meeting.

Lloyd Vandervort N9RPU reported that the Go Box and antenna are ready but the Lighthouse is not yet open to the public. He said we could use a shelter with power to activate the lighthouse and or the island (both are registered) and will make plans to do this on Saturday June 17 about 1pm. Additional information will be sent by e-mail for those wishing to participate.

For Field Day we will operate 2A + GOTA. VHF operation will not count as a separate station. Setup will begin at 9am on 6/24 with operation from 1pm to 1pm on 6/25 with take-down to follow. Members are asked to bring a dish to pass that does not need to be refrigerated. Meat, water, soda, plates, cups, etc. will be provided. Bonus categories were reviewed and safety issues noted. As for the Club website, Tim Braun W9AAV will be preparing a guide book for whomever will take over as manager of the site. Motion to adjourn was made by Tom Karrmann KC9VZY and seconded by Wendy Kudrowicz. The motion was passed by unanimous voice vote.



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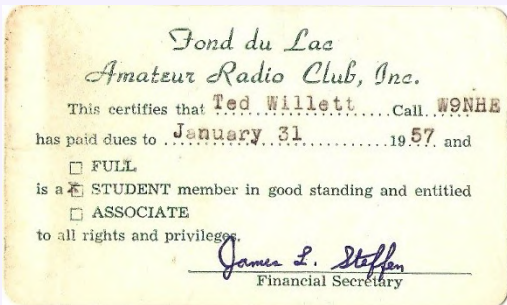
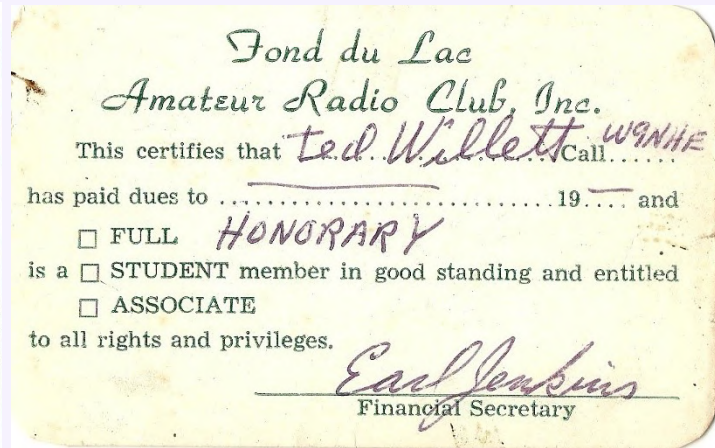
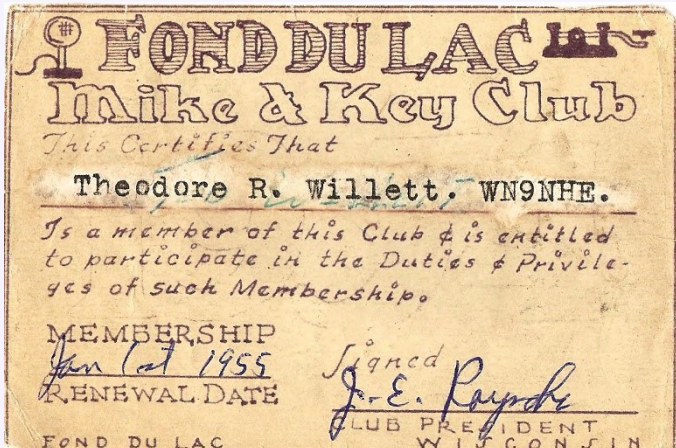


heritage

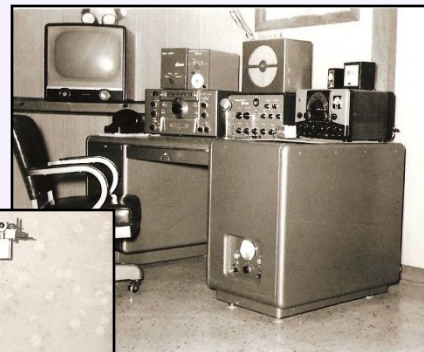
from the VAULT

Can you imagine the feeling Indiana Jones had when he pulled the stone away and saw millions of dollars of gold bars and the Arc of the Covenant? It may have not been that good, but it came pretty close, when I had the honor of opening the 2 cases of club history! And soon it will all be yours!

Starting in June, our club is on a quest to document inventory and heritage. All of our printed history will be assembled, photographed, digitally recorded, and stored in our new fireproof safe. The entire inventory will be accessible from your computer. Pictures, old newsletters, awards, correspondence, you name it, we will have it in digital form. And you can put your memories into the vault for all to see. This will be a 2 year project and you will be able to follow this journey right here in our newsletter! So let's get started with a few gems from the past.



Actual Fond du Lac Member's Ham Shacks from the 50's!





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from the VAULT

FDL Mile and Key Membership List			
1			
1.-Raynoha John(Pres)	R.R.2	967LR3	W9RSU
2.-Stolte Fred (Vice Pres)	R.R.2	967LJ2	W9UFW
3.-Kilintworth Ed. (Sec)	517 So. Harr	756	W9LNO
4.-Jenkins Earl (Treas)	366 Eagles	4765	W9LUQ
5.-Behm A.W.	2754 Langsace, Lomira		
6.-Cohen Durt	133 W. Scott	2297R	W9DIK
8.-Conover Frank	616 Michigan NFDU	9106	
8.- " John	" " "	"	
9.-Champion Tom	39 E. Division		
10.-Danielson Bill	501 Liberty, Ripon	111ub648	
11.-Dole Ronald	156 E. 1st	5409-J	W9URM
12.- Elliott Ward	367 Western Ave.	4470	
13.-Franzen David	136 So. Harr	535W	W9CWC
14.-Gjertson Bob	245 E. Cotton	4614	
15.-Gorn Reinhold	20 6th Street	2645	W9JVD
16.-Heyerdahl L.C.	1724 2nd Str.	5534	
17.-Harner Walter	E. Scott	8106J	W9FTH
18.-Kilintworth Stanle	517 So. Harr	756	
19.-Kroes Donald	177 E. Cotton	6652	W9VAK
20.-Lellier David	60 E. Johnson	9124W	
21.-Lane Billie	244 E.1st street	9562W	
22.- " Lasslie	" " "	"	
23.-LeHeux Jerry	*R.R.1 Ripon,Wis.		W9EPR
24.-Lorenz Arnold	66 E. 11th	6723	
25.-Lour Frank	252 E. Bond	1025	
26.-Misch Bob	R.R. 1	5965	
27.-Meyer Tony	324 Western Ave.	6526W	
28.-McGouley Tom	114 3rd Str.	2612	
29.-Potter Ralph	610 Wis. Ave. NFDL	331AR	W9VHP
30.- " Sara	" " " "	"	W9VIK
31.-Palmer Nancy	634 Florida Ave. NFDL	5625	W9DQM
32.-Olig Eugene	R.R. 2	6577W	
33.-Schwarz Hilbert	193 W. 12th Str.	0772H	W9TIG
34.-Smead Neil	R.R. 1 Greenlake		W9LUB
35.-Serman Perry	160-7th Str.	1075H	W9DIA
36.-Sard Cliff	145 Western Ave.		
37.-Tetzlaff Bob	426 Henry Str.	6931J	W9UDR
38.-Thompson Harvin	107 E. 12th Str.	7349	
39.-Williams Don	268 W. Scott	333	
40.-Witt Dave	634 1/2 Liberty, Ripon		
41.-Willett Ted	291 Lishoff		
42.-Zabrowski L.G.	210 1/2 Watson, Ripon	Red402	W9MB6
43.-Jerry Williams	287 W. Scott	333	
44.-Tom Chabel	293 W. Scott		

Here is the very first membership list that goes back some 70 years! In 1955, these were the members of the club. Just think how much work went into that with a real typewriter! Look at those phone numbers they had back then! Do you know or have you met any of these members?

Who has the names of the 3 good lookin' Hams in the picture below. It looks like the picture may have been taken at the Milwaukee Amateur Radio store.

The Fond du Lac 6 meter Civil Defense Net? That is simply incredible.



* Jerry's present QTH is at 497 Lake Str. Ph. 9599-R





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FARC RECORDED MEETINGS by Lloyd Vandervort N9PRU

CLICK HERE

FARC - W3AO Field Day Presentation

CLICK HERE

FARC - Bob Heil Ham Radio Presentation

CLICK HERE

FARC - WWV Presentation

CLICK HERE

FARC - Pacific Antenna Talks Kit Building

CLICK HERE

FARC - Scanner Master Presentation

CLICK HERE

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

CLICK HERE

FARC - WBAY transmitter tour

CLICK HERE

FARC - NooElec

CLICK HERE

FARC - Elecraft Radio

CLICK HERE

FARC - Ed Tobias & Morse Code

CLICK HERE

FARC - Salvation Army Emergency Communications

CLICK HERE

FARC - KFIZ, Morning Show with Bob Hoffmaster

CLICK HERE

FARC - HAARP interview from Alaska

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

FARC - Paul Ewing and his Incredible DXpeditions Around the World

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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

CLICK HERE

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





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Ham Radio Events and Club Activities

FARC Meeting at Moraine Park

Monday, July 10, 2023



07/08/2023 - [WI9SM Swapfest](#)

Location: Oak Creek, WI

Type: ARRL Hamfest

Sponsor: South Milwaukee Amateur Radio Club

Website: <http://WI9SM.org>

08/26/2023 - [Circus City Swapfest](#)

Location: Baraboo, WI

Type: ARRL Hamfest

Sponsor: Yellow Thunder Amateur Radio Club

Website: <http://yellowthunder.org>

09/09/2023 - [ORC Annual Regional Fall Swapfest](#)

Location: Cedarburg, WI

Type: ARRL Hamfest

Sponsor: Ozaukee Radio Club (ORC)

Website: <http://www.OzaukeeRadioClub.org>

09/22/2023 - 09/23/2023

[HRO Superfest](#), [ARRL Wisconsin State Convention](#)

Location: Milwaukee, WI

Type: ARRL Convention

Sponsor: Ham Radio Outlet

11/04/2023 - [Wisconsin ARES/RACES Conference 2023](#), [ARRL Wisconsin Section Convention](#)

Location: Wisconsin Rapids, WI

Type: ARRL Convention

Sponsor: WeComm Ltd

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

FREE Classifieds

Place your ad today!



I received this message on our Facebook page. If anyone wants a free tower, and it looks like it could be 40-50 ft, please contact this gentleman below. This is a great way to get a tower for your back yard!

Anyone have an idea how I can get this tower down? Don't know where to start. In Neshkoro. Will someone take it down if they can keep it?

Thanks
Mike Trepina
312-965-3409

ELMER



Rich Regent, K9GDF



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Alex	Balza	KD9TPD
Allen	Caldiero	KD9YBU
Ben	Haack	KD9LVQ
Bill	Hutchinson	KD9TQA
Bill	Kieckbush	KG9IO
Blend	Bowen	KC9VXV
Bob	Wagner	
Brad	Gehrt	KA9JDE
Brad	Freund	KC9QYP
Brad	Hansen	W9BLH
Brian	Turkiewicz	KC9LFR
Buddy	Larson	KC9UVJ
Carl	Luetzelschwab	K9LA
Chris	Weed	KD9VNB
Chris	Lehner	N9SBQ
Chuck	Mahnke	K9HXI
Cully	Kowal	KS0D
Dave	Witt	WD9W
Dave	Harms	KD9TZH
David	Zittlow	K9DUI
David	McCumber	N9WQ
Dawn	Krause	KD9CAW
Debra	Drees	
Dennis	Paulin	KB9OFM
Dennis	Weber	KD9WQH
Derek	Giese	KD9IAN
Dick	Finn	KC9ZVV
Don	Chapman	KC9KZQ
Donald	Bakke	KD0HCW
Donna	Blend	KC9TFN
Dot	Olig	K9FDL
Doug	Iverson	AC9XW
Doug	Murray	KC9ZVT
Doug	Schultz	N9EZF
Ed	Steinfeld	KB1ZJK
Ed	Beltz	N9PJK
Ed	Sipple	W9VYO
Erling	Gruel	WB9OJD
Fernando	Salazar	KC9ZVX
Frank	D'Imperio	KD9OXO
Fred	Lloyd	AA7BQ
Gabriel	Meyer	K9GSM
Gabriel	Stark	N9NEZ
Gabriel	Baio	
Garrett	Leach	KD9WQJ
Gene	Peterson	KD9IAG
Grant	Hansman	AD9CC
Gregory	Schmude	KD9EHB
Isaac	Lundberg	KD9FPG
Jack	Heil	KG9IN
James	Scovronski	N9WAM
Jeff	Lane	KD9SIM
Jeff	Bechner	W9MSE
Jeffrey	Smith	KD9IMK
Jeremiah	Alderden	KC9SGL
Jim	Balthazor	K9AIX
Jim	Cole	N9WAP
Joe	Scheibinger	K9VY

FARC Membership Roster Alphabetized by *FIRST NAME*



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

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



Fond du Lac Amateur Radio Club Newsletter

Joe	Lauber	KC9MDY
John	Livingston	KD9WOY
Justin	Buell	KB9YET
Keith	Schwefel	K9WAF
Kevin	Teutschmann	KD9WQE
Kirk	Everson	KC9FZE
Larry	Lamont	KB9POP
Larry	Mielke	KC9RUE
Larry	McDermott	WD9BAJ
Laura	Yates	
Laurie	Winchell-Beltz	KC9YQS
Lee	Clausen	KC9ZVZ
Lloyd	Vandervort	N9RPU
Marjean	Buck	KC9LFI
Mark	Forss	WD9CYM
Mark	Soboleski	KD9WFY
Mathew	Yates	KD9CSD
Matthew	Zimmerman	KD9KTY
Michael	Meyer	KD9YBN
Michelle	Lawrence	N9RQL
Mike	Kraus	KD9UWD
Mike	Lawrence	N9UA
Nate	Kvalnick	
Neal	Buck	KC9LFN
Patrick	Knowles	K9ZPU
Paul	Bleuel	KC9NAA
Paul	Tvrdy	N9KLL
Pete	Leonard	AA9UU
Peter	Fox	KB9WZD
Phil	Schmahl	W9MW
Randy	Nelson	KC9MYG
Ray	Grenier	K9KHW
Raymond	Teschke	KD9QLE
Reinholt	Aschmotat	N8VDH
Richard	Jarzyynka	KD9EMX
Richard	Regent	K9GDF
Robert	Burrier	N2TSQ
Ron	Keller	KC9YVL
Scott	Kreis	
Steve	Weinert	K9ZW
Steve	Smith	W9GPI
Ted	Gustavus	KD9IAH
Ted	Neuburg	W9LUQ
Ted	Willett	W9NHE
Tim	Brusky	N2TIM
Tim	Winslow	N9ICD
Timothy	Braun	W9AAV
Todd	Beay	AC9EX
Tom	Trethewey	KC9ONY
Tom	Powell	KC9VXR
Tom	Karrmann	KC9VZY
Tom	Murray	N0HOR
Tom	Pachner	W9TJP
Tom	Sturtevant	
Tony	Pass	KC9QYR
Travis	Brockman	KD9WQB
Walter	Meyer	K9WKM
Walter	Drees	KD9JAD
Wendy	Kudrowicz	



FOND DU LAC AMATEUR RADIO CLUB, INC.

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



MEMBERSHIP INFO & APPLICATION

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

Call _____ License Class _____ Date _____

Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Cell Phone _____

E-mail Address _____

Sponsor Name

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

Membership Dues

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

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

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

Membership Application

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

Signed _____ Date _____

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

Background and Interests

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

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

How did you hear about the Club? _____

Security Preferences

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

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

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

Interests

Are you a member of the ARRL (American Radio Relay League)? Yes No

Are you interested in Emergency Services (ARES/RACES)? Yes No

Are you interested in weather spotting (SKYWARN)? Yes No

The Club maintains several standing committees. Please indicate any that you would be interested in serving on (you may check more than one): Testing Contesting Communications Van

Public Service Fund Raising Repeater Field Day Program TVI

Education/Scholarship Contesting Web Site Publicity/Newsletter On-Air Nets