



FOND DU LAC AMATEUR RADIO CLUB — FDL 73 —

WWW.FDLHAMS.COM

FEBRUARY, 2020

JOIN US ON SUNDAY EVENINGS FOR OUR WEEKLY NET
1930 HRS - 145.430 MHZ - TONE 97.4HZ

President's Comments



Tom Kormann KC9VZY

Well, 2020 is off to a rousing start whether we want it to be or not. We had a lot of great ideas at the February meeting about what we can try and do this year. I think we all need to be thinking about how we can improve the club, and that goes especially for increasing club membership and meeting attendance. We are approaching a danger point where most of us get to be too old to help much anymore, and that will be the end of the club.

Everyone please work on ideas for how we can make this club work for all of us. And everyone also listen to the ideas presented by others and see if this is something you would like to help with. I really would like to reach a point where nearly everyone participates because that is what makes the club a part of your life, and you part of the club.

Now don't get me wrong; I am not saying that we don't have a good club, or that we are doomed. Far from it. I just want to make sure we are looking to the future of ham radio and the FARC because I think the club will get better if we all feel the personal stake, or *"skin in the game"* that comes from being involved.

In the end, this club belongs to all of us, and I think we can make a big difference starting this year. Remember, many hands make light work; if we all pitch in a little, there won't be a need for anyone to do too much.

I guess that's all for this month. Looking forward to seeing a bunch of smiling faces at the next meeting.

Tom Karmann, President
KC9VZY
FARC



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NEXT MEETING

When:
March 9, 2020 at 7:00 PM
Where:
Moraine Park Technical College, Room O-103
235 N National Ave, Fond du Lac, WI 54935

Everyone attending the club meeting will have park in the C lot at MPTC since the O lot and O entrance is closed for construction until August. You will have to enter using the South door from the C lot.



MARCH GUEST: AUTHOR WARD SILVER

One of the most important and somewhat misunderstood aspects of our Ham Radio hobby is the correct operation and installation of our antenna systems. Hundreds of books have been written on the subject and we also find hundreds of variation of different kinds of antenna systems. Ward Silver NOAX will be our guest for the March 9th meeting at Moraine Park University. Ward wrote the book on the correct grounding and bonding for Amateur Radio.

One of the most misunderstood and confused concepts is difference between Bonding, Grounding and Earthing. Bonding is more clear word compare to

Grounding and Earthing, but there is a micro difference between Grounding and Earthing. Earthing and Grounding are actually different terms for expressing the same concept.

Ground or earth in a mains electrical wiring system is a conductor that provides a low impedance path to the earth to prevent hazardous voltages from appearing on equipment. Earthing is more commonly used in Britain, European and most of the commonwealth countries standards (IEC, IS), while Grounding is the word used in North American standards (NEC, IEEE, ANSI, UL).

Ward will show all of us the correct way to wire your ham shacks and keep it safe and secure.

About Ward Silver

Ward Silver has been a ham since 1972 when he earned his Novice license (WNØGQP). His experiences in ham radio led him to a 20-year career as an electrical engineer, designing microprocessor-based products and medical devices. In 2000, he began a second career as a teacher and writer, leading to his receiving the 2003 Bill Orr Technical Writing Award and in 2008 he was recognized as the Dayton Hamvention's "Ham of the Year".

On the air, he enjoys DXing, contesting, building antennas, and participating on his local ARES emergency communications team. He is a founder of the World Radiosport Team Championships and is a member of the YASME Foundation's Board of Directors. Outside of ham radio, Ward plays the mandolin, dabbles in digital photography, and enjoys biking, camping, and canoeing.

In addition, non-current-carrying metallic components in a System, such as equipment cabinets, enclosures, and structural steel, need to be electrically interconnected and earthed properly so voltage potential cannot exist between them. However, troubles can arise when terms like "bonding", "grounding", and "earthing" are interchanged or confused in certain situations.

Bonding is simply the act of joining two electrical conductors together. These may be two wires, a wire and a pipe, or these may be two Equipments. Bonding has to be done by connecting of all the metal parts that are not supposed to be carrying current during normal operations to bringing them to the same electrical potential.

The primary reason for bonding is personnel safety, so someone touching two pieces of equipment at the same time does not receive a shock by becoming the path of equalization if they happen to be at different potentials. The Second reason has to do with what happens if Phase conductor may be touched an external metal part.

Earthing means connecting the dead part (it means the part which does not carries current under normal condition) to the earth for example electrical equipment's frames, enclosures, supports etc. The purpose of earthing is to minimize the risk of receiving an electric shock if touching metal parts when a fault is present.

Ward will show all of us the correct way to wire your ham shack and keep it safe and secure. See you at the meeting!

(Special Thanks fo the Electrical Engineering Portal.



Jack and wife Marjorie

JACK HEIL ACCEPTS FIELD DAY MANAGEMENT POSITION

Jack Heil KG9IN has accepted the leadership position for our Field Day event for 2020. For more information please come to the March meeting. Jack will be looking for volunteers. Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and running through 2059 UTC Sunday. Field Day 2020 is June 27-28. Bands: 160, 80, 40, 20,15 and 10 Meter HF bands, as well as all bands 50 MHz and above, all modes.

QSO PARTY MARCH 16

Rick Robinson N19Z has volunteered one again to run the code shack! Rick is up north this week getting the cabin ready for the QSO Party! Rick is the recipient of the FARC club's "Ham of the Year" award for 2020.



The QSO Party will be on March 16th from 1:00 PM until 8:00 PM CST. The rules for the event can be located at https://www.warac.org/wqp/wiqp_rules.htm. QSO Parties are events that are held for fun and to meet old, new and prospective members around the world.

2020 WISCONSIN QSO PARTY RULES

Stations anywhere contact Wisconsin stations contact stations anywhere for stations for points. Wisconsin points. Everybody has fun!

March 15, 2019 from 1800Z to 0100Z March 16 (1:00PM CDT to 8:00PM CDT on March 15)

Note: Daylight Savings Time starts a week earlier!

CW and Phone. Digital is counted as CW. FT8/FT4 QSO's are not accepted. All stations may be worked once per mode on each band. Cannot work the same station on CW and Digital on the same band.

Mobiles and portables may be worked once per mode per Wisconsin county that they operate from. Mobiles or portables may not sit on a county line. Drivers may navigate and drive – any other assistance must be considered multi-op.

Spotting may be used but self-spotting is not allowed.

Stations operated remotely will be considered pre-existing Portables (not eligible for Bonus points). The transmitter location must be given as the sent exchange.

For full rules visit https://www.warac.org/wqp/wiqp_rules.htm

JANUARY MEETING MINUTES

LLOYD VANDERVORT

SECRETARY



Election Results:

President:

Tom Karrmann
KC9VZY

Vice President:

Tom Powell
KC9VXR

Treasurer:

Doug Schultz
N9EZF

Secretary:

Lloyd Vandervort
N9RPU

Sgt at arms:

Paul Bleuel
KC9NAA

Board member:

Justin Buell
KC9YET

Fond du Lac Amateur Radio Club

Monday January 13, 2020

Call to Order

The meeting was called to order at 7:07 pm with new president Tom Karrmann KC9VZY presiding.

Program:

Robert Bruninga :Energy crisis for amateur radio.

He gives a power point presentation on power sources for amateurs ,solar electric cars etc
This is on our ham site: fdlhams.com go to news , newsletters , then click on: [January Monthly Meeting Power Point on Energy](#) .

Robert also has this in February 2020 QST article The evolution of power page 65.

Shortly after this meeting Robert had surgery for tumor removal .

All attendees introduced themselves.

Approval of Meeting Minutes

A motion to approve the August minutes was made by Paul Bleuel KC9NAA and seconded by Doug Schultz N9EZF.The motion carried unanimously via a voice vote.

Treasurer's Report

The Treasurers Report was presented by Doug Schultz N9EZF.

A motion to approve the Treasurers Report was made by Tim Braun W9AAV and seconded by Cully Kowal KSoD . The motion carried unanimously via a voice vote by the majority.

Cully Kowal KSoD

There were no bills to pay.

Old Business

There was no more info on our truck “ The Yellow Banana” this is tabled until a further meeting.

The application for our 501-c3 is being re submitted as we need only the simple form.

New Business

The Christmas parade was a success Thant-ks to Peter Fox KB9WZD and his crew of 12 volunteers.
He really could have used more help , lets have more volunteers next time.

We received thanks from the fond du lac pd for our efforts.

There will be license testing February 15 at Moraine Park College

Dick Finn KC9zvw our long time newsletter editor will be retiring and Joe KC9VY **and** Tim Braun W9AAV will be taking over.

Adjournment

A motion was made to adjourn by Peter Fox KB9WZD and was seconded by Cully Kowal KSoD. The motion carried unanimously via a voice vote and the meeting was adjourned at 8:24pm.

Raffle #555257 Tim Braun W9AAV

FEBRUARY MEETING MINUTES

LLOYD VANDERVORT

SECRETARY



Election Results:

President:

Tom Karrmann
KC9VZY

Vice President:

Tom Powell
KC9VXR

Treasurer:

Doug Schultz
N9EZF

Secretary:

Lloyd Vandervort
N9RPU

Sgt at arms:

Paul Bleuel
KC9NAA

Board member:

Justin Buell
KC9YET

Fond du Lac Amateur Radio Club

Monday February 10, 2020

Call to Order

The meeting was called to order at 7:06 pm with new president Tom Karrmann KC9VZY presiding.

Program:

There was no program.

All attendees introduced themselves.

Approval of Meeting Minutes

Tabled until March meeting.

Treasurer's Report

The Treasurers Report was presented by Doug Schultz N9EZF.

approve the Treasurers Report was made by Cully Kowal KSoD Tom Powell KC9VXR . The motion carried unanimously via a voice vote by the majority.

A motion to pay the bill was made by Cully Kowal KSoD and seconded by Jim Balthazor K9AIX The motion carried unanimously via a voice vote by the majority.

Old Business

Tim Braun W9AAV will be taking over the newsletter.

New Business

It has been noted that our members are aging and that we need more younger members as the current

There was a discussion on fact that younger persons are not able to read a map or an analog clock.

It was suggested that we need some kind of an online contact list.

It was mentioned that the officers should have a mailing list. This will be tabled until next month.

Elmer list of people that have test equipment to help new hams. Have after meetings get together for help , or something like a ham play-day.

Testing was on February 15

Joe Scheibinger K9VY wanted to know if anyway wanted to go to the Dayton Hamfest May 15-17 ?

It was suggested that we should have a membership drive or a membership committee .

Think about Field Day the end of June , we need volunteers.

501 (c3) in progress.

Replacement of the truck ? Liability , insurance , storage, drivers ?

The Wisconsin QSO party will be March 15-16

We received a thank you card from the Fond du Lac food pantry for our donation collected at our Christmas party.

Adjournment

A motion was made to adjourn by Cully Kowal KSoD and was seconded by Jim Balthazor K9AIX. The motion carried unanimously via a voice vote and the meeting was adjourned at 8:01 pm.

FEBRUARY TREASURER'S REPORT

	Previous Month	Income & Expenses	Current Total
FDL RADIO CLUB			
Truck Fund	0.00	0.00	0.00
Emergency Svc Fund	1,490.21	0.00	1,490.21
General Use Fund	5,714.86	181.00	5,895.86
Savings Account	25.00	0.00	25.00
Petty Cash Fund	19.12	0.00	19.12
TOTALS	7,253.77		7,430.19

FDL REPEATER ASSN.			
Repeater Fund	233.23	0.00	233.23
TOTALS	233.23		233.23

	Cash	Savings Account	Checking Account	CD	Other
FDL RADIO CLUB					
Truck Fund			0.00		
Emergency Svc Fund			1,032.52	457.69	
General Use Fund			4,723.60	1,172.26	
Savings Account		25.00			
Petty Cash Fund	19.12				
Repeater Fund			81.97	151.26	
	19.12	25.00	5,838.09	1,781.21	

Income

Raffle	16.00
Dues	165.00
TOTAL	181.00

Bills Needing Approval to Pay & Action Required

Incorp. Re-	10.00
TOTAL	10.00

DOUG SCHULTZ

TREASURER



The Treasurers Report is presented by Doug Schultz N9EZF.

2020 CALENDAR OF EVENTS

January 13, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

February 10, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

February 15, 2020 9:00 AM - Noon

License Exams MPTC Room C-002
235 National Ave, Fond du Lac, WI 54935
Contact Doug Schultz N9EZF



March 15 & 16, 2020

Wisconsin QSO Party



March 9, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

April 13, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

April 18, 2020 9:00 AM - Noon

License Exams MPTC Room C-005
235 National Ave, Fond du Lac, WI 54935
Contact Doug Schultz N9EZF



May 11, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

May 15 - 17, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

May tbd, 2020 - June tbd, 2020 8:00 AM - 5:00 PM

Brat Fry Country Corners Exxon Station
Hwy 67 and Hwy 41 in Lomira
Contact Doug Schultz N9EZF



June 8, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

June 12 - 14, 2020

Walley Weekend
Contact Joe Scheibinger K8VY



June 27 & 28

ARRL Field Day
1800 UTC Saturday through 2059 UTC Sunday

July 13, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

July 19, 2020

RMC Triathlon

August 10, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

August 23, 2020

Race the Lake



August, 2020 TBD

Brat Fry Country Corners Exxon Station
Hwy 67 and Hwy 41 in Lomira
Contact Doug Schultz N9EZF



September 14, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

September 18 - 20, 2020

Fox Cities Marathon

October 10, 2020 9:00 AM - Noon

License Exams MPTC Room C-005
235 National Ave, Fond du Lac, WI 54935
Contact Doug Schultz N9EZF



October 12, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935

November 9, 2020 7:00 PM

FDLARC Monthly Meeting MPTC O-103
235 National Ave, Fond du Lac, WI 54935
Election of 2020 Officers

December 5, 2020 4:00 PM

FDL Parade of Lights

December tbd, 2020

FDLARC Holiday Party: Jim and Linda's

December 12, 2020

License Exams MPTC Room C-005
235 National Ave, Fond du Lac, WI 54935
Contact Doug Schultz N9EZF



Club Officers

President: Tom Karmann KC9VZY
 Vice-President: Tom Powell KC9VXR
 Secretary Lloyd Vandervort N9RPU
 Treasurer Doug Schultz N9EZF
 Sgt-at-Arms: Paul Bleuel KC9NAA

Board Member: Ron Keller KC9YVL
 Board Member Justin Buell KB9YET
 Board Member Larry Mielke KC9RUE

Committee Chairs

Brat Fry Doug Schultz N9EZF
 Scholarship: Jack Heil KG9IN
 Field Day: Jack Heil KG9IN
 Fund Raising: Open
 Net Manager Doug Schultz N9EZF
 Public Service Ed Beltz N9PJQ
 Publicity/Program Joe Scheibinger K9VY
 Repeater Lloyd Vandervort N9RPU
 Testing Doug Schultz N9EZF
 Truck Brad Freund KC9QYP
 TVI Lloyd Vandervort N9RPU
 Web Site: Tim Braun W9AAV

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

Mailing Address

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



Club Roster

First Name	Last Name	Call Sign	First Name	Last Name	Call Sign
Annika	Kreis		Kirk	Everson	KC9FZE
Barbara	Simon	W9MER	Kyle	Ruesch	AB9AX
Ben	Haack	KD9LVQ	Larry	Lamont	KB0POP
Blend	Bowen	KC9VXV	Larry	Mielke	KC9RUE
Brad	Freund	KC9QYP	Laura	Yates	
Brian	Turkiewicz	KC9LFR	Laurie	Winchell-Beltz	KC9YQS
Buddy	Larson	KC9UVJ	Lloyd	Vandervort	N9RPU
Chuck	Mahnke	K9HXI	Lorelei	Kreis	
Cully	Kowal	KS0D	Louis	Simon	KB9VQM
Danny	Vandekolk	KC9IGD	Marjean	Buck	KC9LFI
Dave	Witt	WD9W	Marjorie	Heil	KC9BEN
David	McCumber	N9WQ	Mark	Forss	WD9CYM
David	Zitlow	K9DUI	Mathew	Yates	KD9CSD
Dawn	Krause	KD9CAW	Matt	Nett	KD9BBN
Deon	Choate	KC9TGM	Matthew	Zimmerman	KD9KTY
Debra	Florian		Michelle	Lawrence	N9RQL
Dennis	Paulin	KB9OFM	Mike	Keyes	KE7ES
Derek	Giese	KD9IAN	Mike	Lawrence	N9UA
Dick	Finn	KC9VW	Nancy	Myers	K9ANA
Don	Chapman	KC9KZQ	Neal	Buck	KC9LFN
Donald	Bakke	KD0HCW	Paul	Bleuel	KC9NAA
Donna	Blend	KC9TFN	Paul	Tvrdy	N9KLK
Dot	Olig	K9FDL	Peter	Fox	KB9WZD
Doug	Murray	KC9ZVT	Randy	Nelson	KC9MYG
Doug	Wagner	KC0RNS	Ray	Grenier	K9KHW
Doug	Schultz	N9EZF	Reniholt	Aschmotat	K8VDH
Ed	Betz	N9PJQ	Richard	Jarzynka	KD9EMX
Ed	Sipple	W9VYO	Rick	Robinson	NI9Z
Ed	Steinfeld	KB1ZJK	Ron	Keller	KC9YVL
Fernando	Salazar	KC9ZVX	Scott	Kreis	
Gene	Olig	KD9ZP	Stan	Cram	A10M
Gene	Peterson	KD9IAG	Steve	Smith	W9GPI
Gerry	Radtke	WA9GON	Ted	Gustavus	KD9IAH
Gregory	Schmude	KD9EHB	Ted	Neuburg	W9LUG
Isaac	Lundberg	KD9FPG	Ted	Willett	W9NHE
Jack	Heil	KG9IN	Tim	Braun	W9AAV
James	Scovronski	N9WAM	Todd	Beay	AC9EX
Jermeiah	Alderden	KC9SGL	Todd	Karrmann	KC9VZY
Jim	Balthazor	K9AIX	Tom	Murray	N0HOR
Jim	Cole	N9WAP	Tom	Powell	KC9VXR
Joe	Lauber	KC9MDY	Tony	Pass	KC9QYR
Joe	Scheibinger	K9VY	Walter	Rueger	KC9WQ
Joyce	Keyes	KC9KIJ	Walter	Drees	KD9JAD
Justin	Buell	KB9YET			