



# FOND DU LAC AMATEUR RADIO CLUB

# — FDL 73 —



VOLUME 18 ISSUE 12 www.fdlhams.com December, 2017

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

## Club Officers

President: Dave McCumber N9WQ  
 Vice-President: Tom Powell, KC9VXR,  
 Secretary Lloyd Vandervort N9RPU  
 Treasurer Doug Schultz N9EZF  
 Sgt-at-Arms: Dawn Krause KD9CAW

Board Member: Peter Fox KB9WZD  
 Board Member Buddy Larson KC9UVJ  
 Board Member Larry Mielke KC9RUE

## Committee Chairs

Contesting/  
 Education/  
 Scholarship: Jack Heil KG9IN  
 Field Day: Jack Heil KG9IN  
 Fund Raising: Open  
 Net Manager Doug Schultz N9EZF  
 Newsletter Dick Finn KC9ZVW  
 Public Service Ed Beltz N9PJK  
 Publicity/Program Joe Scheibinger K9VY  
 Repeater Lloyd Vandervort N9RPU  
 Testing Doug Schultz N9EZF  
 Truck Brad Freund KC9QYP  
 TVI Lloyd Vandervort N9RPU  
 Web Site: Jim Balthazor K9AIX

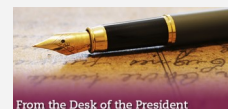
Each committee has several members. If you are interested in serving on a committee, please contact the chairperson and volunteer your services.

## Mailing Address

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

**Newsletter Submissions:**  
 Please email to  
 rfinn5@hotmail.com

## The Presidents Corner By: Dave McCumber N9WQ



From the Desk of the President

Despite the fact that we are quickly moving into Winter and things are starting to slow down, we do have a fair amount going on this month.

Firstly, don't forget that our annual Christmas Party is coming up on Dec. 10, 2017 at Jim & Linda's Lakeshore Supper Club in Pipe. \$20 per person. Open bar at 5:00 pm with dinner at 600 pm. We will be conducting the Snatch & Grab Gift Exchange. To register, please fill out the form located at the following URL:

<https://goo.gl/forms/MS8qfa3qzQ3bzEoS2>

If you have any questions, feel free to contact Buddy Larson, KC9UVJ, at [kc9uvj@gmail.com](mailto:kc9uvj@gmail.com).

As we are having the Christmas Party this month, the Club has decided to cancel the normal December meeting. Our next meeting will be on January 8, 2018/

Doug Schultz is coordinating the final testing session of the year on December 9, 2017. If you've been doing some studying with an eye to upgrading your ticket, there is still time to pour on the coals and get ready for the test. The session is scheduled for 9:00 am-Noon, at Moraine Park Technical College in Room O-104.

This issue of the newsletter contains a first pass at the 2018 calendar. Some of the dates are confirmed but some are really tentative. Please take a look and see if anything jumps out at you as incorrect. Contact Dick Finn KC9ZVW with any corrections.

## Next Meeting

**When:** Jan. 8, 2018 at 7:00 pm

**Where:** Moraine Park Technical College, Room A-112

**Program:**  
**TBD**



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### Major Steps Forward for Code Learners By Rick Robinson



Our club certainly owes a vote of thanks to Rick Robinson NI9Z who has taken the lead role in handling the CW activity during the various contests and most especially during Field Day.

As many of you know, Rick has also been acting as a mentor for our members who are trying to learn or improve their code speed. Thanks to his classes, two of our members have taken big steps forward.

Derek Giese KD9IAN earned his Basic Code sending and Receiving certificate. Isaac Lundberg KD9FPG was awarded both the Intermediate and Advanced Code Sending and receiving award. Achieving these awards required a lot of work on the part of both HAMS. Congratulations and thanks to Rick.

Rick will be starting new training sessions after the first of the year for those of you who may be interested.



*Rick Robinson NI9Z awards Derek Giese KD9IAN his Basic Code Sending and Receiving certificate.*



*Rick Robinson NI9Z awards Isaac Lundberg KD9FPG his Intermediate Code Sending and Receiving award.*



*No, I'm not printing a second picture of Isaac just to fill space. He also earned his Advanced Sending and Receiving award.*



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### FDLARC Elects Officers for 2018

The major outcome from our November meeting was the election of officers for the following year. This is very important as we rely on our officers to provide direction in moving our club forward. Two of the major goals for the next year are to update our Club Constitution and to apply for status as a 501c3 Corporation. We look to our officers to help us reach our club goals while maintaining our already excellent set of activities and programs. Congratulations to all of them and many thanks for their willingness to serve.

|                 |                        |
|-----------------|------------------------|
| President       | Dave McCumber N9WQ     |
| Vice President  | Tom Powell KC9VXR      |
| Secretary       | Lloyd Vandervort N9RPU |
| Treasurer       | Doug Schultz N9EZF     |
| Sargent at Arms | Dawn Krause KD9CAW     |

|              |                     |
|--------------|---------------------|
| Board Member | Peter Fox KB9WZD    |
| Board Member | Larry Mielke KC9RUE |
| Board Member | Buddy Larson KC9UVJ |



Dave McCumber N9WQ  
Incoming President



Tom Powell KC9VXR  
Continuing VP



Doug Schultz N9EZF  
Continuing Treasurer



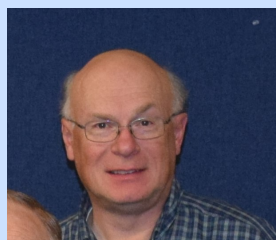
Lloyd Vandervort  
N9RPU



Dawn Krause KD9CAW  
Incoming Sgt at Arms



Peter Fox KB9WZD  
Continuing Board Member



Larry Mielke KC9RUE  
Continuing Board Member



Buddy Larson KC9UVJ  
Incoming Board Member

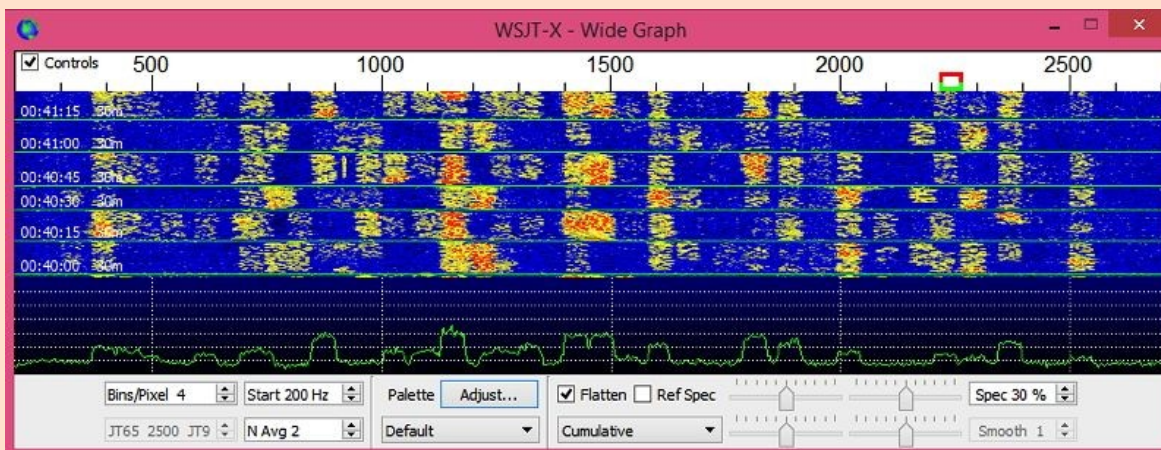


## FT-8: I'm not really feeling the magic By Dan Romanchik, KB6NU



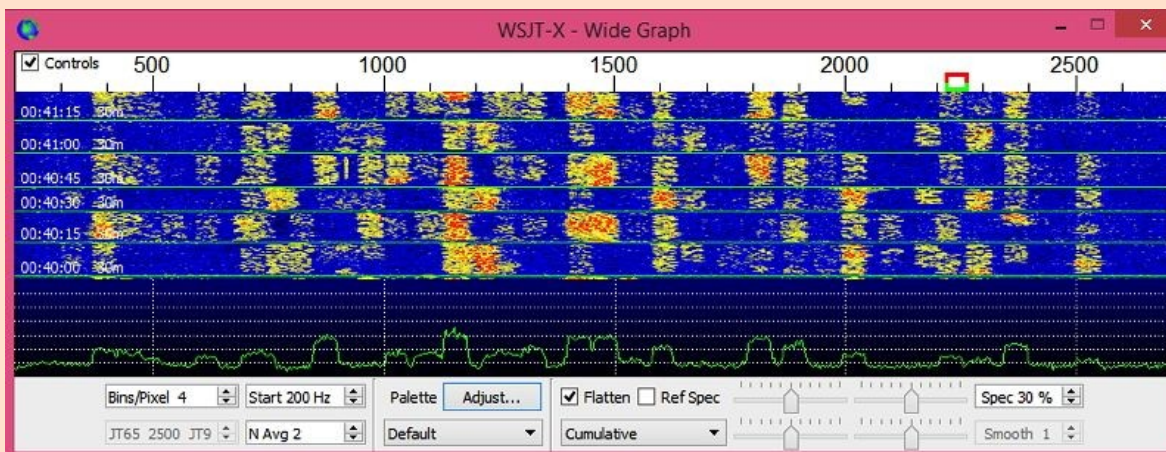
Partly out of curiosity and partly because my friend Jeff, KE9V, shamed me into it, I setup my Signalink interface, downloaded WSJT-X from <https://physics.princeton.edu/pulsar/k1jt/wsjt.html>, and started operating FT-8, the latest "shiny object" (as the ARRL dubbed it) from the K1JT team. As you probably know, this mode has really caught on with the digital crowd, and the waterfall is chock full of FT-8 signals. Part of the reason for this is that it has some of the characteristics of JT-65, but is not as excruciatingly slow.

Over the past couple of days, I've made 32 QSOs, including a couple of DX contacts. It's been fun to try something new, but to be honest, I'm not really feeling the magic.



*A waterfall display generated by WSJT-X at 7:30 pm, 11/23/17*

Part of it is that I don't feel like I'm really doing anything. I downloaded the software, plugged in my digital interface, fooled around with the settings a bit, and then, the computer started making contacts. I have to click a few on-screen controls to make contacts, but even that's a step that could be easily programmed in by the WSJT-X developers. (In fact, I wonder why they haven't done that already!)



*WSJT-X screenshot. The sequence of transmissions in the Rx Frequency window comprises a contact.*



### FT-8: I'm not really feeling the magic By Dan Romanchik, KB6NU



Take a look at the screenshot above to see how a typical contact happens. When a CQ appears in the “Band Activity” window, you double click on it. When you do this, the software begins listening for signals on that frequency. In this case, I double-clicked on the CQ by WA9THI. When I double-clicked on the CQ, the program began decoding signals on that frequency and display the transmissions in the “Rx Frequency” window.

Then, I clicked on “Enable TX” and the program began the contact sequence, sending “WA9THI KB6NU EN82.” EN82 is my grid designator. This is shown as the first yellow line in the Rx Frequency window. The transmissions that I sent are highlighted in yellow. The transmissions sent by WA9THI are highlighted in red.

The sequence of transmissions shown there comprise a complete contact, and that whole process takes less than two minutes. And, once WA9THI received my first transmission, the sequence is all automatic. You just sit there and watch the two computers talk to one another.

While I can certainly appreciate the thought and the work that went into the design of the protocol and programming to implement it, sitting and watching the computers talk to one another just doesn't excite me. On the other hand, if you're one of those guys who wants to make contacts, but doesn't really want to talk to anyone, than this is the mode for you!

Here are a few more notes about FT-8 operation:

- Not surprisingly, synchronizing your computer with the other stations computer is very important. To do that, you need to get your computer to use the network time protocol (NTP). I failed to do this when I first installed WSJT-X, and while my waterfall was full of FT-8 signals, WSJT-X just wouldn't decode them.
- I got my PC laptop to talk ntp by installing Meinberg NTP software (<http://www.ntp.org/ntpfaq/NTP-s-def.htm>). Once I did that, WSJT-X magically started decoding transmissions.
- Most of the cool guys seem to be using Meinberg NTP, but there are other options. One of the guys in our club is using a program called Dimension 4, for example.
- Apparently, you don't have to limit your power output as you would with PSK-31. At first, I set my output power to 10 W. I had a bit of success at 10 W, but I expected more. When I asked on Twitter how much power other guys were using, most of them said that they were using more than that.
- For the last couple of sessions, I've been setting my output power to 25 W, and I've been having more success. I've now worked several Europeans on 30m.
- Even at 25 W, my signal reports are more often than not not as good as the signal reports I'm handing out. I haven't figured this one out yet. This doesn't happen to me when I'm operating CW, so I don't think it's my antenna.
- When I'm operating, I write down the calls of stations I've contacted. The reason for this is that while WSJT-X does have a logging function, it doesn't have a log window, so unless you have a great memory, you could end up working guys two or three times a session. That's probably not a big deal since contacts are so quick, but I'd rather avoid doing that if I can.
- WSJT-X works “split.” While most contacts take place on the same frequency, a station can call you anywhere in the passband of your receiver and WSJT-X will decoded the signal and begin a contact. This threw me the first time or two that this happened, and I tried to change my transmit frequency to match the other station's. In doing so, I messed up the sequence. I now just let the contact proceed normally, and it works out great.
- When I work the other digital modes, I set my IC-746PRO to the USB-D mode. In this mode, the receive passband is narrower than for working phone. When operating FT-8, however, you don't want to limit that passband. Signals will appear across the entire 2.6 kHz of the USB signal, and if you narrow the passband, you won't be able to work those stations.
- WSJT-X checks the validity of call signs. This afternoon, there was a guy who had typed in his call as “WAMAD” and was calling CQ. WSJT-X wouldn't let me answer that CQ.



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### FT-8: I'm not really feeling the magic By Dan Romanchik, KB6NU



• Operating this mode opens up the possibility of working more stations whose callsigns spell words and adding those QSL cards to my collection. I have, for example, already worked K1GUY, N4HER, and N5SLY. I'm guessing that these guys don't operate CW.

All told, I've found this to be an interesting foray into a new digital mode. While I'm not feeling the magic that some others seem to be feeling when operating FT-8, it certainly will be a change of pace to operate this mode from time to time. Give it a shot and tell me what you think.

---  
Dan, KB6NU, is the author of the "No Nonsense" amateur radio license study guides and blogs about amateur radio at [KB6NU.Com](http://KB6NU.Com). When he's not working FT-8, he teaches ham radio classes and operates CW on the HF bands. You can email him at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).





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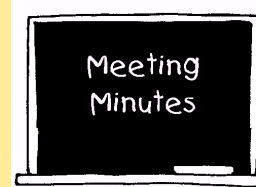


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### MEETING MINUTES

#### FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, Oct 9, 2017



##### Call to Order

The meeting was called to order at 7:02 pm with President Jim Balthazor K9AIX officiating.

##### Program

A Skype call with Marty Karjala at H.A.A.H.P ,High Frequency Active Auroral Research Program , in Gakona Alaska was held. Marty started with project Elf at Clam Lake. He then started with HAARP in 2003. He said that if anyone is in Alaska they are welcome to visit. The facility started in 1989 as an over the horizon radar site. Lloyd Vandervoort N9RPU recorded the call and it is available on Youtube at <https://youtu.be/cdeNXLMyEE>

##### Introductions

All attendees introduced themselves.

##### Approval of Meeting Minutes

A motion was made Peter Fox KB9WZD to approve the minutes of the last meeting as published in the newsletter. The motion was seconded by Dawn Krause KD9CAW. The motion carried unanimously via a voice vote.

##### Treasurer's report

The treasurers report was presented by Doug Schultz N9EZF.

One bill for \$15 for the safety deposit box was presented. Motion to approve the bill and the treasurers report was made by Peter Fox KB9WZD and seconded by Buddy Larson KB9UVJ. The motion carried unanimously via a voice vote.

|                      |          |
|----------------------|----------|
| Truck Fund           | 0.00     |
| Emerg. Services Fund | 1,328.31 |
| General Use Fund     | 4,430.02 |
| Savings Account      | 25.00    |
| Petty Cash Fund      | 19.12    |
| Total                | 5,802.45 |
| Repeater Fund        | 229.37   |

##### Old Business

We discussed changes to constitution related to becoming a 501.C3 corporation , but 2/3 members were required for a quorum. Any absentee votes must be signed and witnessed and be presented to the president before the meeting begins to be valid.

A motion to have the secretary send out letters to members with a ballot on changes to the constitution to allow us to apply for a 501.c3 was made by Dick Finn KC9ZVW and seconded by Jack Heil KG9IN.

An amendment to the motion was made by Joe Scheibinger K9VY and seconded by Tom Powell KC9VXR to send out a message that the vote will be at the next meeting and if a member can't attend they should send a signed and witnessed ballot to be used in the vote . This could be done on Skype.

Discussion : Peter Fox KB9WZD mentioned that we haven't done a study on the changes that could happen when we change our constitution. Do we fully know all the implications that this will do to the club? Such as who decides on accepting donations and who will take care of assets? Buddy Larson KC9UVJ brought up the fact that more things in the constitution may be needed to be changed or added to because of the changes we make. There are questions on implications of the 501.c3 such as the club assets, repeater association and ARES assets.

A motion to table previous motions was made by Buddy Larson KC9UVJ and seconded by Jack Heil KG9IN. The motion carried unanimously via a voice vote.



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### MEETING MINUTES

#### FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, Oct. 9, 2017



##### **Old Business (Cont.)**

We need to determine what our concerns are that will arise with the approval 501.c3 by contacting other clubs, and research by a committee. This will get the concerns in the open so that we know what we need to do as we move forward with any changes to the bylaws.

a straw vote was taken to determine the intent of the membership as to whether we should proceed on the 501.c3. The members at the meeting agreed unanimously.

We have two main concerns on this: Issues of the 501.c3 and changes to the bylaws. Joe Scheibinger K9VY will look at the first of these. A motion to create a committee up to five members to review the constitution and bylaws to prepare for a 501c3 was made by Peter Fox KB9WZD and seconded by Jack Heil KG9IN. The motion carried unanimously via a voice vote.

##### **New Business**

We have an invitation to attend the Fox Cities Amateur Club meeting on the 3rd Monday of the month. They are a 501.c3 and would like to discuss it with us. They also would like to talk to us about how we do field day. If you are interested in attending one of their meetings, email Joe Scheibinger K9VY

A discussion was held relating to our becoming a 501C3 Corporation. The financial reportin would be straight forward as long as total donations were under \$50,000 per year. There was no concern relating to going over that amount. It would cost \$125 to apply.

A motion to establish a three person committee to investigate becoming a 501.c3 was made by Jack Heil KG9IN and seconded by Dick Finn KC9ZVW. Buddy Larson KC9UVJ moved that the motion be amended to submit to Executive board before the Nov. meeting. A vote to amend our by laws will be made at the next meeting. A vote will also be made on becoming a 501.c3 Corporation at the November meeting. The motion carried unanimously via a voice vote

##### **Business from the Floor**

At the HRO Superfest, Yaesu announced they have a procedure to fix the fusion repeater by sending the it back to them back with \$300. They will return a new repeater. There are some known fixes that should help with the current problems. A motion to return the Hamtronics repeater to service and use the Yaesu as a backup was made by Peter Fox KB9WZD and seconded by Lloyd Vandervort N9RPU The motion carried via a voice vote with one opposed.

The ARES group has been contacted for the FDL Christmas Parade organizers to assist as we have in the opast. The parade will be on Dec 2, 2017. We will need 14 volunteers. If you are interested, contact Peter Fox KB9WZD

##### **Adjournment**

Jack Heil KG9IN made a motion to adjourn. Buddy Larson KC9UVJ seconded the motion. The motion carried unanimously via a voice vote and the meeting was adjourned at 9:03 pm.



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### NOTICES/ANNOUNCEMENTS

#### FDLARC On YouTube



Many of you may not be aware, but Lloyd Vandervoort N9RPU, our Club Secretary, has been making videos of the presentations at our meetings. There is now a pretty large collection of them on You Tube. Do yourself a favor and take a few minutes to scan the list and play some of them. Enjoy!

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 Interview <https://youtu.be/UVFMCvRGEJE>

FARC - HAARP Presentation <https://youtu.be/cdeNXLMuyEE>

#### Member Address/Phone Directory

If you have any corrections to the Address/Phone Directory, please send them to Doug Schultz N9EZF at [schultz74@charter.net](mailto:schultz74@charter.net).

#### Code Classes

I am now running five code classes. All classes are one on one and are one hour long.

I spend a lot of time at my place up-north during Oct. and November but will start new basic classes after the first of the year. Also I will be having classes for members who would like to increase their code speed.



Rick Robinson Ni9Z



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#### Elmers:

It has come up several times recently that there is a need for our more experienced members to act as Elmers for the newer HAMs in the club. The first time this came up I got linked up with Jack Heil (KG9IN) and have spent many enjoyable hours with him. I've learned about hanging an antenna, contesting and a week or so ago got a super tour of my Yeasu FTDX1200. Most importantly, I finally got on the air.



| ELMERS                               |  |
|--------------------------------------|--|
| Lloyd Vandervort (N9RPU)             | lloydv654@gmail.com                      |
| Doug Schultz (N9EZF)                 | n9ezf@fdlhams.org                        |
| David McCumber ((N9WQ)               | n9wq@charter.net                         |
| Marjorie & Jack Heil (KC9BEN, KG9IN) | heilmj@att.net<br>920-9221413            |
| Rick Robinson (N19Z)                 | 920-924-9559<br>Code, DX'ing, Contesting |
| Stan Cram (A10M)                     | Contesting, general help                 |

At the April meeting we collected the names of several members who were willing to act as Elmers and the names of several others who would like their help. With a goal of linking the two I have listed the names below. I offer it as an exercise for the student to match Column A to Column B.

—30—



**Club Nets**  
 Sunday Evenings - Open to all  
 6:15 pm Ten Meter SSB Net-28.450 MHz  
 7:30 pm Two Meter FM Net-145.430 MHz  
 PL 97.4



**FDL County ARES Net**  
 Sunday Evenings  
 For ARES Team Members. Now combined with the Club Net at 7:30 pm.  
 ARES Coordinator: Todd Beay (AC9EX)



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### Free, For Sale or Wanted

#### Upcoming HAMFESTS and Conventions From ARRL

Not much going on as we move into the Winter months.

# Hamfests



#### Hamfest/Convention

01/06/2018 | [46th Annual Midwinter Swapfest](#)

**Location:** Waukesha, WI

**Type:** ARRL Hamfest

**Sponsor:** West Allis Radio Amateur Club

**Website:** <http://www.warac.org>[Learn More](#)



#### Hamfest/Convention

09/28/2018 | [Wisconsin State Convention \(Ham Radio Outlet Superfest 2018\)](#)

**Location:** Milwaukee, WI

**Type:** ARRL Convention

**Sponsor:** Ham Radio Outlet

**Website:** <http://hamradio.com>[Learn More](#)





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### Free, For Sale or Wanted

#### Logo Ware:

Last spring many members ordered polo shirts with the club logo on the back and name and call sign over the pocket on the front. The screen printing company, "Imagineers" in Ripon, has the logo and will print it on many items such as tee shirts, polo shirts, jackets, etc. The prices are reasonable. They do not need a minimum order and will do one item if it is paid for in advance.



You can call them to order a polo shirt like members got last year or another item, give a credit card number if you do not want to travel to Ripon, Tom Powell, KC9VXR, who lives in Ripon is willing to bring them to FDL at the next meeting or event. Or, you can come to their store in Ripon to see the many choices they can offer from a wide variety of clothing manufacturers.

Contact information is listed below. Due to the many manufacturers they buy from the options are too numerous to put on a website. They do a lot of business with schools in the area also. There are other options for purchase of club logo wear but this company was chosen last year for their prices, quality, the large variety of items, their good service, and willingness to do small orders.

Imagineers  
Howard and Jane Hansen, owners  
217 Watson St.  
Ripon, WI, 54971  
(920) 748-6599  
—30—

**Rick Robinson wore this jacket to our last meeting. It really is quite handsome. The logo is embroidered. Rick paid the setup charge already and estimates the price would be about \$125 for others.**





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### 2018 CALENDAR

**Jan. 8, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

**Feb. 12, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

**Feb. 10, 2018**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104  
Contact: Doug Schultz N9EZF



**Mar. 11 & 12, 2018**

Wisconsin QSO Party



**Mar. 12, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.  
Annual Membership Drive-Contact Joe Scheibinger

**Apr. 9, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

**Apr. 14, 2018**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-108  
Contact: Doug Schultz N9EZF



**May 14, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

**May 18—20, 2018**

Dayton HAMFEST



**June 1—2, 2018**

Brat Fry at the Country Corners Exxon Station, Hwy 67 and Hwy 41 in Lomira. 8:00am to 5:00pm—Contact: Doug Schultz N9EZF

**June 11, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.



**June 8—10, 2018**

Walleye Weekend. Contact Joe Scheibinger K8VY

**June 23 & 24, 2018**

ARRL Field Day, 1800 UTC Saturday and running through 2059 UTC Sunday



**July 9, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC O-102.

**July 22, 2018**

RMC Triathlon



**Aug. 13, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

**Aug. 26 2018**

Race the Lake

**August 21-22, 2018**

Brat Fry at the Country Corners Exxon Station, Hwy 67 and Hwy 41 in Lomira. 8:00am TO 5:00pm—Contact: Doug Schultz N9EZF



**Sept. 8, 2018**

FDLARC Annual Picnic. 6:30 pm. Heil's Home

**Sept. 10, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.

**Sept. 21—23, 2018**

Fox Cities Marathon



**Oct. 8, 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112  
HAARP Presentation, 501c3 Discussion and Voting

**Oct. 13, 2018**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104. Contact: Doug Schultz N9EZF



**Nov. 12 2018**

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112. Election of 2018 Officers

**Dec. 1, 2017**

FdL Parade of Lights, 4:00, Downtown

**Dec. 9, 2017**

License Exams, 9:00 am-Noon, Moraine Park Technical College in Room O-104  
Contact: Doug Schultz N9EZF



**Dec. 10, 2017**

Christmas Party: Jim and Lind's Contact Bud- dy Larson KC9UVJ





# FOND DU LAC AMATEUR RADIO CLUB

## — FDL 73 —



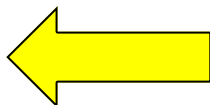
VOLUME 18 ISSUE 12 [www.fdlhams.com](http://www.fdlhams.com) December, 2017

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

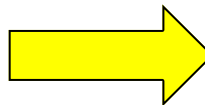
| NAME                 | Call   |
|----------------------|--------|
| Annika Kreis         |        |
| Barbara Simon        | W9MER  |
| Blend Bowen          | KC9VXV |
| Brad Freund          | KC9QYP |
| Brian Turkiewicz     | KC9LFR |
| Buddy Larson         | KC9UVJ |
| Chuck Mahnke         | K9HXI  |
| Cully Kowal          | KS0D   |
| Danny Vandekolk      | KC9IGD |
| Dave Witt            | WD9W   |
| David McCumber       | N9WQ   |
| David Zittlow        | K9DUI  |
| Dawn Krause          | KD9CAW |
| Dean Choate          | KC9TGM |
| Debra Florian        |        |
| Dennis Paulin        | KB9OFM |
| Derek Giese          | KD9IAN |
| Dick Finn            | KC9ZVW |
| Don Chapman          | KC9KZQ |
| Donna Blend          | KC9TFN |
| Dot Olig             | K9FDL  |
| Doug Schultz         | N9EZF  |
| Doug Murray          | KC9ZVT |
| Doug Wagner          | KC0RNS |
| Ed Beltz             | N9PJQ  |
| Ed Sipple            | W9VYO  |
| Ed Steinfield        | KB1ZJK |
| Edward Frac          | AA9WW  |
| Fernando Salazar     | KC9ZVX |
| Gene Olig            | KD9ZP  |
| Gene Peterson        | KD9IAG |
| Gerry Radtke         | WA9GON |
| Gregory Schmude      | KD9EHB |
| Isaac Lundberg       | KD9FPG |
| Jack Heil            | KG9IN  |
| James Scovronski     | N9WAM  |
| Jim Balthazor        | K9AIX  |
| Jim Cole             | N9WAP  |
| Joe Lauber           | KC9MDY |
| Joe Scheibinger      | K9VY   |
| Joyce Keyes          | KC9KIJ |
| Justin Buell         | KB9YET |
| Kirk Everson         | KC9FZE |
| Kyle Ruesch          | KD9FYQ |
| Larry Lamont         | KB9POP |
| Larry Mielke         | KC9RUE |
| Laura Yates          |        |
| Laurie Winchell-Belz | KC9YQS |
| Lloyd Vandervoort    | N9RPU  |
| Lorelei Kreis        |        |
| Louis Simon          | KB9VQM |
| Marjean Buck         | KC9LFI |
| Marjorie Heil        | KC9BEN |
| Mark Forss           | WD9CYM |
| Mathew Yates         | KD9CSD |
| Matt Nett            | KD9BBN |
| Mike Keyes           | KE7ES  |
| Mike Lawrence        | N9UA   |
| Nancy Myers          | K9ANA  |
| Neal Buck            | KC9LFN |
| Paul Bleuel          | KC9NAA |
| Paul Tvrdy           | N9KLK  |
| Peter Fox            | KB9WZD |
| Randy Nelson         | KC9MYG |
| Ray Grenier          | K9KHW  |
| Reinholt Aschmotat   | N8VDH  |
| Richard Jarzynka     | KD9EMX |
| Rick Robinson        | NI9Z   |
| Ron Keller           | KC9YVL |
| Scott Kreis          |        |
| Stan Cram            | AI0M   |

### FDL ARC ROOSTER

Name Sort



Call Sort



| NAME                 | Call   |
|----------------------|--------|
| Annika Kreis         |        |
| Debra Florian        |        |
| Laura Yates          |        |
| Lorelei Kreis        |        |
| Scott Kreis          |        |
| Edward Frac          | AA9WW  |
| Todd Beay            | AC9EX  |
| Stan Cram            | AI0M   |
| Jim Balthazor        | K9AIX  |
| Nancy Myers          | K9ANA  |
| David Zittlow        | K9DUI  |
| Dot Olig             | K9FDL  |
| Chuck Mahnke         | K9HXI  |
| Ray Grenier          | K9KHW  |
| Joe Scheibinger      | K9VY   |
| Ed Steinfield        | KB1ZJK |
| Dennis Paulin        | KB9OFM |
| Larry Lamont         | KB9POP |
| Louis Simon          | KB9VQM |
| Peter Fox            | KB9WZD |
| Justin Buell         | KB9YET |
| Doug Wagner          | KC0RNS |
| Marjorie Heil        | KC9BEN |
| Kirk Everson         | KC9FZE |
| Danny Vandekolk      | KC9IGD |
| Joyce Keyes          | KC9KIJ |
| Don Chapman          | KC9KZQ |
| Marjean Buck         | KC9LFI |
| Neal Buck            | KC9LFN |
| Brian Turkiewicz     | KC9LFR |
| Joe Lauber           | KC9MDY |
| Randy Nelson         | KC9MYG |
| Paul Bleuel          | KC9NAA |
| Brad Freund          | KC9QYP |
| Tony Pass            | KC9QYR |
| Larry Mielke         | KC9RUE |
| Donna Blend          | KC9TFN |
| Dean Choate          | KC9TGM |
| Buddy Larson         | KC9UVJ |
| Tom Powell           | KC9VXR |
| Blend Bowen          | KC9VXV |
| Tom Karrmann         | KC9VZY |
| Walter Rueger        | KC9WQ  |
| Laurie Winchell-Belz | KC9YQS |
| Ron Keller           | KC9YVL |
| Doug Murray          | KC9ZVT |
| Dick Finn            | KC9ZVW |
| Fernando Salazar     | KC9ZVX |
| Matt Nett            | KD9BBN |
| Dawn Krause          | KD9CAW |
| Mathew Yates         | KD9CSD |
| Gregory Schmude      | KD9EHB |
| Richard Jarzynka     | KD9EMX |
| Isaac Lundberg       | KD9FPG |
| Kyle Ruesch          | KD9FYQ |
| Timothy Braun        | KD9HQA |
| Gene Peterson        | KD9IAG |
| Ted Gustavus         | KD9IAH |
| Derek Giese          | KD9IAN |
| Walter Drees         | KD9JAD |
| Gene Olig            | KD9ZP  |
| Mike Keyes           | KE7ES  |
| Jack Heil            | KG9IN  |
| Cully Kowal          | KS0D   |
| Tom Murray           | N0HOR  |
| Reinholt Aschmotat   | N8VDH  |
| Doug Schultz         | N9EZF  |
| Paul Tvrdy           | N9KLK  |
| Ed Beltz             | N9PJQ  |
| Lloyd Vandervoort    | N9RPU  |
| Mike Lawrence        | N9UA   |
| James Scovronski     | N9WAM  |

|               |        |
|---------------|--------|
| Steve Smith   | W9GPI  |
| Ted Gustavus  | KD9IAH |
| Ted Neuburg   | W9LUQ  |
| Ted Willett   | W9NHE  |
| Timothy Braun | KD9HQA |
| Todd Beay     | AC9EX  |
| Tom Karrmann  | KC9VZY |
| Tom Murray    | N0HOR  |
| Tom Powell    | KC9VXR |
| Tony Pass     | KC9QYR |
| Walter Drees  | KD9JAD |
| Walter Rueger | KC9WQ  |

|                |        |
|----------------|--------|
| Jim Cole       | N9WAP  |
| David McCumber | N9WQ   |
| Rick Robinson  | NI9Z   |
| Steve Smith    | W9GPI  |
| Ted Neuburg    | W9LUQ  |
| Barbara Simon  | W9MER  |
| Ted Willett    | W9NHE  |
| Ed Sipple      | W9VYO  |
| Gerry Radtke   | WA9GON |
| Mark Forss     | WD9CYM |