



# FOND DU LAC AMATEUR RADIO CLUB

## — FDL 73 —



VOLUME 19 ISSUE 4

www.fdlhams.com April, 2018

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 N9RPV  
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 N9PJQ  
Publicity/Program Joe Scheibinger K9VY  
Repeater Lloyd Vandervort N9RPV  
Testing Doug Schultz N9EZF  
Truck Brad Freund KC9QYP  
TVI Lloyd Vandervort N9RPV  
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**

Hello Fellow Hams and Club members

I write this letter in hopes that this summer you will try to UPGRADE your Amateur Radio License.



Unknown to a lot of you, all the cool DX is in the lower part of the bands. It's designed that way to promote upgrading and creating a better and smarter knowledge base for the hobby. I remembered reading a preface to a book some time ago and I will reprint it here because it best states what I want to say and this gentleman has eloquently expressed it....

By [H. Ward Silver](#)

Pushing your station to make contacts over greater and greater distances (DX means *distant stations*) is the second oldest activity in all of ham radio. Somewhere out in the ether, a station is always just tantalizingly out of reach and the challenge of contacting that station is the purpose of DX-ing.

Thousands of hams across the continents and around the world like nothing better than to make contacts (QSOs) with someone far away. These hams seem to ignore all nearby stations. Their logs are filled with exotic locations. Ask them about some odd bit of geography and you are likely to find that they not only know where it is, but some of its political history and the call sign of at least one ham operator there. These hams are DXers.

**Continued On Next Page**

For the first time in a great while I've updated the Roster on the back page of the newsletter. We have 44 names on it as of March. This is based on the official club roster maintained by Doug Schultz N9EZF. The main difference between the old and new lists is that I have only included those who are paid up members. If you are not on the list, please see Doug to pay your dues. I will continue to send out the newsletter to everyone (paid up or not). It doesn't cost the club anything and some of those who fell by the way side may decide to re-join.

### Next Meeting

**When:** April 9, 2018 at 7:00 pm

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

**Program:** Bill Kendall KH6OO  
Christmas Island DXpedition



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### The Presidents Corner (Continued)

By: Dave McCumber N9WQ

Today, intercontinental contacts on the HF frequencies traditionally considered to be the shortwave bands are common but still thrilling. Cross-continental contacts on VHF and UHF once thought impossible are made in increasing numbers. Because the sun and the seasons are always changing, each day you spend DX-ing is a little (and sometimes a lot) different. Sure, you can log on to an Internet chat room or send e-mail around the world, but, like fishing, logging a QSO in the log, mastering the vagaries of the ionosphere, and getting through to a distant station is a real accomplishment non-Hams can never know.



Before starting out, you need to know that even if you have a very modest home or mobile HF station, you can work DX. Skill and knowledge compensate for a great deal of disparity in equipment. Nowhere is this concept more true than in hunting the elusive DX. The first skill to learn is not how to transmit, but how to listen.

When working DX, in all cases, start at the bottom of the band or as close as your license privileges permit. The best DX tends to collect there. Stop at each signal along the way, even those that sound like casual contacts, to determine who is on the air. Listen for obvious accents and signals with a curious, hollow, or fluttery sound.

Signals coming from far away have to make several hops off the ionosphere — sometimes as many as five or six! — to get to your antenna. These hops divide the signal into multiple paths that have slightly different travel times. The paths interfere with each other as they arrive at your antenna, smearing the signal out in time and making its strength change rapidly. Learn to recognize that sound because, for sure, it means DX is at hand! And its great FUN you get smarter and you get MORE privileges on the air... for instance did you know if you have a EXTRA class license you can have YOUR call sign on a transponder in SPACE. We'll leave that adventure for another day. Speak to Doug Schultz N9EZF, he can tell you where to find the study material to upgrade.

Also mock testing is available on QRZ.COM. You can take test after test until you feel confident you can pass!!

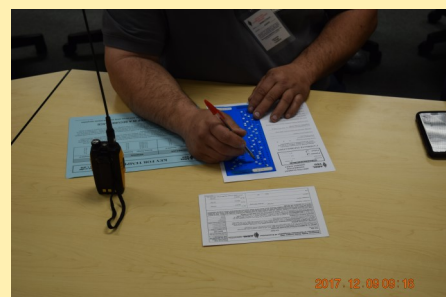
Hope fully everyone who did the Wisconsin QSO Party sent their logs to Jim Balthazor K9AIX or to the West Allis radio club so the scores will count to the FDLARC total. The bands were tight and it was real work but great fun. I can't wait for the results!

Dont forget, I will be taking questions at the meeting for anyone that wants or needs answers to question about Ham Radio. There are some pretty smart guys in the room and they can answer any questions that I cannot!!

Dave N9WQ

### Time to Upgrade Your Ticket

Doug Schultz N9EZF has scheduled our next testing session for 9:00 am - Noon at Moraine Park Technical College in Room O-104 on April 14, 2018. For those of you who are Technician Class or General Class you still have time to prepare for the test. If you have friends who would like to join the hobby, they have more than enough time to prepare for the Technician Exam.





### Bill Kendall KH6OO -- Christmas Island DXpedition By Joe Sxheibinger K9VY

On Monday, April 12th, Bill Kendall KH6OO from the famous Christmas Island DXpedition will be our guest at the Fond du Lac Amateur Radio meeting in MPTC Room A112 at 7:00 PM. The meeting is free and open to the public. Bill will be Skyping from his home in the great state of Hawaii!

If you are new to Ham Radio, you might ask what is involved in an amateur radio DXpedition. So before I tell you more about Bill, let's take a look at this fascinating facet of our hobby.

According to Wikipedia, a DXpedition is an expedition to what is considered an exotic place by amateur radio operators, perhaps because of its remoteness, access restrictions or simply because there are very few radio amateurs active from that place. This could be an island, a country, or even a particular spot on a geographical grid. DX is a telegraphic shorthand for "distance" or "distant".

Early DXpeditions were simply exploratory and geographical expeditions in the late 1920s and 1930s, in which one or more radio amateurs participated in order to provide long distance communications. At the same time they communicated with fellow radio amateurs who wanted to contact a new country. Most notable are the Antarctic expeditions of Admiral Byrd. Another example is the voyage of the schooner Kaimiloa, which traveled the South Pacific in 1924. While the ship's wealthy owners enjoyed the islands, an amateur radio operator kept contact with, and sent QSL cards to experimenters in the United States.

The participation of radio amateurs in geographical expeditions was resumed after World War II, e.g. the participation of Bill Snyder, W0LHS, and Bob Leo, W6PBV, in the Gatti-Hallicrafters expedition in Africa of 1948. The most unusual expedition to place reliance on amateur radio for communications was that of Kon-Tiki organized by Thor Heyerdahl in 1947 and using call sign LI2B.

The activity of dedicated DXpeditions was pioneered by one-time ARRL president Robert W. Denniston, W0DX. Mr. Denniston's 1948 DXpedition, using call sign VP7NG, was to the Bahamas and was called "Gon-Waki" ala Thor Heyerdahl's "Kon-Tiki" expedition the previous year.

DXpeditions are planned and organized to help operators who need to contact that area to obtain an amateur radio award. There are several awards sponsored by various organizations based on contacting many different countries. Perhaps the most famous of these is the DX Century Club (DXCC) award sponsored by the ARRL. The base level of this award involves contacting and confirming 100 distinct geographical entities, usually countries, as defined by the ARRL.<sup>[7]</sup>

There are currently 340 separate entities recognized for award purposes. An "entity" for such purposes is any location that is either politically separate or physically remote (or both) from other jurisdictions/locations. For example, even though Alaska and Hawaii are politically part of the United States, they are separate DX entities (physically separate). Small countries, even ones surrounded by larger ones, such as the Vatican, count.



Bill Kendall KH6OO and his son.





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**Bill Kendall KH6OO -- Christmas Island DXpedition**  
**By Joe Sxheibinger K9VY**

### Bill Kendall and the Christmas Island DXpedition

Bill has been an active Ham Radio operator ever since he received his license in 1955. He lives in the beautiful Honolulu Hawaii area and shares the hobby with his son Will Kendall W0ZKJ and his son John Kendall N0PJV. All three Hams in 2015 trekked out to Christmas Island and set up camp for a fun week of DXing.

Now enjoying life in his late 70's, Bill and his son just finished up a DXpedition in Tahiti (TX5X). In fact the picture posted here of Bill and his son is one taken from the Tahiti DXpedition that ended just a few weeks ago.

"We stayed at the Captain Cook Hotel on the North of the Island." Bill said. "Planes only fly in once a week. Our equipment was tested during the ARRL field day at Leach Lake. We took about 200 pounds of equipment including a KX3 and FT817 each with a 100 watt amplifier. Two antennas were deployed near the beach, a vertical dipole and a full 1/4 wave elevated vertical. Our primary band was 20 meters. We operated 12 meters & 20 meters. Modes were SSB, CW and JT9/65. For JT operation we used a special program to sync our clock off the GPS satellites."

Bill said, "there was limited Internet available. Logs were uploaded to IOTW, e-QSL, Club Log and QRZ Log. This trip had been in the planning stage for just over a year. Will (W0ZRJ) and John (N0PJV), my two sons, proposed this trip while visiting Minnesota last year. This is my 60th year as a licensed radio amateur, and this turned out to be a perfect celebration. I served in the U.S. Navy for a time as a Communications Technician and for you "Old timers" who might remember in the 1950's, a signal from Adak Alaska,,,KL7AIZ my first DX operation. By the way, my first call sign was KN0COU. We are happy for all that got in our log!"

### Why is this presentation important to our club?

We have been doing entertainment like this for over 2 years now. This is the very first time we have the chance to interview someone who has mastered one of the most fun aspects of Amateur Radio, DXing. The amount of planning for something like this is staggering. You need to get permission and licenses from the host country. You have to work out travel arrangements sometime in places that never see aircraft! Every piece of equipment has to be weighed and accounted for with backup systems on the ready. In some places, there is no electricity, or running water for that matter! Food rations must be planned and maintained. Antennas have to be constructed. Logs, QSL cards, Internet, on and on.

Does any of this sound familiar? FIELD DAY! This is what we train for! This is an example of the fun and fascination of Amateur Radio. Christmas Island and the Tahiti DXpedition is our Field Day on steroids! And doing all this in your 70's is a testament on how much love this man has for Amateur Radio.

See you at this incredible meeting on Monday, April 12th at Moraine Park College. Bring a friend!

73

Joe Scheibinger K9VY



Christmas Island



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### Vintage Amateur Radios By: Bill Shadid (W9MXQ)

*Editor's Note: With Bill's kind permission, I am reprinting his series of Vintage Radio articles from the Ozaukee Radio Club Newsletter. These caught my eye and I think you will all find the series to be interesting. This is the first in the series from August of last year. Enjoy and many thanks to Bill!!!*

Welcome to the new Vintage Radio Column in the ORC Newsletter. The plan is for this to be a monthly report on some interesting piece of vintage ham radio equipment or a complete station setup. I am looking for guests to share the limelight with me in this pursuit.

This month's edition focuses on 1964, when National Radio Company, Inc., was moving into the full featured, five band HF Transceiver market. Hot off their successful NCX-3 Tri-Band (80, 40, and 20 meters) SSB/AM/CW HF Transceiver, National was now promoting their unique NCX-5 80-10-meter SSB/AM/CW Transceiver. At the same time, National was building a competition station without equal at the time with a wide range of accessories. Take a minute to look at this complete NCX-5 Station:



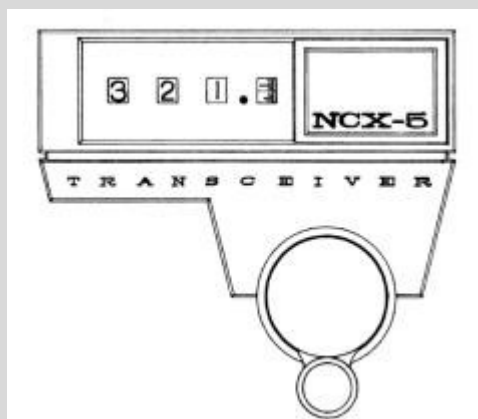
*Left to Right are the National NCX-A AC Power Supply/Speaker, the NCX-5 HF Transceiver, the VX-501 External VFO, the NCL-2000 Linear Amplifier, and the HRO-500 Receiver. The HRO-500 here is acting as a second receiver with the NCX-5, when desired.*

The NCX-5 Transceiver covered the 80-10-meter bands without 160 meters or the WARC bands we have today. Most radios of the day lacked 160-meters because of differing coverage and power limits depending on the area of the country. In those days, LORAN radio occupied 160 meters along with the amateur operators. We were secondary there. The transceiver had a 200-watt final with an expected output of 100 watts. The radio was equipped with a very effective 8-pole crystal lattice filter that provided a 2.8 kHz bandwidth at -6dB and a shape factor of 1:1.7 – very effective even today.

Two unique features were "Transceive Vernier" control, as National named it, and digital frequency readout. The "Transceive Vernier" was the same as what we today call RIT or Clarifier. That was rare and shared pretty much by just National and Hallicrafters in those days. The most unique feature of the two was digital frequency readout. National did that with a mechanical (counter) mechanism as shown below:



### Vintage Amateur Radios By: Bill Shadid (W9MXQ)



The readout shown, assuming the bandswitch was set for 14 MHz operation would show 14.321 MHz. If you switched the bandswitch to 3.5 MHz, that would indicate 3.821 MHz. The mechanism would change to show the proper frequency for a band that began on 0.5xx MHz – so no guesswork. National went to great lengths to keep the mechanism linear across its various 500 kHz bands. The main tuning capacitor was very complex and had several tools in its design to adjust for linearity. Note a graphical, moving band scale on the right to show tenths of a kHz and more.



The VX-501 External VFO allowed for separate frequency excursion between receive and transmit. In a true oddity of design, the optional National XCU-27 Crystal Calibrator was mounted in the VX-501 when the External VFO was present. The External VFO, referenced as the Console by National, would act as sole frequency control, receive only control, transmit only control, or allow completely control by the transceiver VFO. Today, while the NCX-5 Transceiver is available with a little research, the VX-501 can be very hard to find.

The NCL-2000 Linear Amplifier was a full power amplifier in its day. It has a mode switch to differentiate between 1,000 watts input for CW or 2,000 watts input for SSB as was the custom in the 1960's. The NCL-2000 in my collection seems willing and able to produce at least 1,300 watts output from its RCA (now Burle) 8122 Ceramic Tetrodes. The 8122 has a dissipation capability of 400 watts per tube. Unlike most of today's amplifiers, the NCL-2000 is grid driven and therefore can run full power with as little as 20 watts of drive. The exciter feeds in to a dummy load in the NCL-2000 input circuit and therefore always sees a 50-ohm load. This amplifier is a complete, standalone unit in a single cabinet including a built-in 120/240 VAC power supply and blower feeding a pressurized cooling system for the power tubes.

You will recall a recent ORC meeting when Pat Volkmann, W9JI, presented his National HRO-50 Receiver (first sold in 1950). We also saw a much older National HRO-M Receiver (first sold in 1941) from my collection. The HRO-500 that is part of this article is the successor to the radio just following the HRO-50, the HRO-60 (first sold in 1953). The HRO-500 is all solid state with dozens of socketed germanium transistors and no plug-in coils as you saw with the older HRO's shown by Pat and me. The HRO-500 covers 0-30 MHz (but required a separate pre-amplifier for effective LF operation). Indeed, it was a very early, high performance, commercial grade solid-state radio that focused on ship-board, commercial, and the amateur users. It was the last HRO series radio marketed to amateurs. (The last HRO, the HRO-600, was never sold outside of the commercial market.) While National advertised the HRO-500 in the configuration shown in the picture at the beginning of this article, they offered no information on how to integrate the receiver with the NCX-5. In those days, it was expected that the user would just "figure it out." And we did!

The last item needs little description – the National NCX-A AC Power Supply/Speaker Console. This power supply is quiet and unlike a lot of its competitive radio power supplies, was not straining to provide the power needed by the radio. It was the matching power supply to the earlier NCX-3 Transceiver, and also to the later NCX-200 HF Transceiver. There will be more on the NCX-200 in a later column.

This National station is in my personal collection. It comes from long time fellow collector and trading partner, Bob Bailey, W9DYQ, of Shoreview, MN. Bob and I have been friends since childhood. He is an avid CW operator – and shrugs off SSB, AM, and FM as those modes that use a "Shadid Device." (His reference to a microphone.)





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### ARRL: How can we help? By Dan Romanchik, KB6NU



Recently, I received this email from a reader:

"Hi Dan,  
"Hope you're doing well. I have a couple of questions about the ARRL. I've been reading your blog and other sources, and it's clear that the ARRL is in a little trouble. I have to say, though, that as soon as the current administration in D.C. notices that some of their friends can make money off of amateur radio bandwidth, the whole amateur radio service is in very serious jeopardy. The only way I can think of to counter that would be an organization like the ARRL, and I think there's really only one organization like the ARRL. Is that not true? If it is, how can we help?"

I replied that it is true that there's only one organization like the ARRL. In the past, there have been groups that have tried to compete with the ARRL, but they've never really taken off. It's an incredible amount of work to set up an organization like the ARRL and none of the alternates have been able to get to critical mass.

The second question—How can we help?—is the big question. Here are a few thoughts:

- Join the ARRL. If you're not currently a member, join. You'll have little or no influence, if you are not a member.
- If you are a member, but your friends are not, encourage them to join. The more members the ARRL has, the more influence it will have. This is common sense, but the ARRL doesn't really seem to care about this. In the past, I've encouraged the ARRL to set a membership goal of 25% of licensed radio amateurs ([link 1](#), [link 2](#)). I honestly don't think this is asking too much, and I've never heard a good argument for them not to do this. They continue to ignore me, and the percentage of licensed radio amateurs that are ARRL members continues to decline.
- Take an interest in ARRL matters and let your director and vice director know your views. Get your friends to do likewise. Get on the mailing lists for the board meeting agendas and minutes. To do this, log into the ARRL website, click on "Edit your profile," then "Edit email subscriptions."
- Invite your ARRL elected officials—your division director, vice director, and section manager—to talk at your club meetings. Be prepared to grill them on issues that you think are important.
- Run for office yourself. I ran for Great Lakes Division vice director twice. Unfortunately, I lost both times, but even running is a way to have an impact. I'd like to see the "loyal opposition" get organized and challenge the status quo, especially in divisions where I think the current director is making bad decisions.

Having said all that, there are ways to make an impact besides playing ARRL politics:

- Get on the air. It's easier to lose bands if we're not using them. Encourage others to be active.
- Be an Elmer to those that need it.
- Teach classes to help those who want a license get a license and to help those who are already licensed to upgrade their licenses.
- Be an ambassador for amateur radio, especially to related groups, such as the "maker" groups that have sprung up around the country. Make sure that they know about your amateur radio club and the classes and exam sessions that you offer.

I'd love to hear any other thoughts that you all may have on this. I really do think that at this point, we need to inundate the ARRL Board and staff with input from the membership. While they may have a long history of ignoring the membership and just going about their own merry way, now is really a time of change, and this might be the right time to set the ARRL on a better path.

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When he's not getting all worked up over ARRL politics, Dan blogs about amateur radio at KB6NU.Com, teaches amateur radio classes, and works CW on the HF bands. He's the author of the *No Nonsense* amateur radio license study guides and *The CW Geek's Guide to Having Fun with Morse Code*.



### MEETING MINUTES

#### FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, March. 12, 2017



#### Call to Order

The meeting was called to order at 7:04 pm. With Dave McCumber N8WQ (President) presiding.

#### Introductions

All attendees introduced themselves.



#### Approval of Meeting Minutes

A motion was made by Buddy Larson KC9UVJ to approve the minutes of the last meeting as published in the newsletter. The motion was seconded by Tom Powell KC9VXR. The motion carried unanimously via a voice vote.

#### Treasurer's report

The Treasurers Report was presented by Doug Schultz N9EZF.

A motion to pay a bill was made by Peter Fox KB9WZD and seconded by Jack Heil KG9IN. The motion carried unanimously via a voice vote.

A motion to approve the Treasurers Report was made by Buddy KC9UVJ and seconded by Dick Finn KC9ZVW. The motion carried unanimously via a voice vote.

Truck Fund	0.00
Emerg. Services Fund	1,328.87
General Use Fund	4,294.28
Savings Account	25.00
Petty Cash Fund	19.12
Total	5,667.27
Repeater Fund	229.56



#### Old Business

Wisconsin QSO party , I hope everyone sent in their scores as they had to be in by Mar 25.

Dave McCumber N9WQ, our president, mentioned that he used an alternate part way through the contest to help.

Our two Brat Fries will be held on June 1-2, 2018 and August 24-25, 2018. Please note that the dates shown in the February Newsletter for the second Brat Fry were wrong. This will be corrected to the above date in this newsletter.





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### MEETING MINUTES

#### FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, March 13, 2017



#### New Business

Doug Schultz N9EZF has scheduled our second testing session of the year for April 14, 2018 in MPTC room O104 from 9am – noon.

A Weather Spotting class will be held on April 5, at 6:30 PM in the FDL City/County Building.

The proposed Constitution will be reviewed at the May meeting.

#### from the Floor

A motion was made by Peter Fox KB9WZD to dispose of the OLD antenna trailers. The motion was seconded by Buddy Larson KC9UVJ, the motion carried unanimously via a voice vote.

Field Day will be held on June 23-24, 2018 and there will be a meeting for this at the June meeting.

Dave McCumber N9WQ will host K5KUB at the April Meeting.

#### Adjournment

A motion was made to adjourn by Jim Balthazor K9AIX. The motion was seconded by Buddy Larson KC9UVJ. The motion carried unanimously via a voice vote and the meeting was adjourned at 7:33 pm

The raffle was # 554827 this was won by Marge Heil KC9BEN





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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>

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

#### 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

Rick Robinson NI9Z is continuing to train our members in using code. I started working with him a month or so ago and after only a few lessons I've started to pick things up. Our schedules have not meshed well recently but we are still making progress.

There are a number of resources to help you learn on the web and through ARRL.

Give Rick a call and get started. I believe code contacts count for more points when contesting. Besides, it is fun!





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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 920-9221413
Rick Robinson (N19Z)	920-924-9559 Code, DX'ing, Contesting
Stan Cram (A10M)	Contesting, general help



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

## Free, For Sale or Wanted

### Upcoming HAMFESTS and Conventions From ARRL

HAMFEST/CONVENTION

**04/07/2018 | Madison Hamfest**

**Location:** Stoughton, WI

**Type:** ARRL Hamfest

**Sponsor:** Madison Area Repeater Association

**Website:** <http://www.qsl.net/mara>

HAMFEST/CONVENTION

**05/05/2018 | ORC Spring Swapfest**

**Location:** Cedarburg, WI

**Type:** ARRL Hamfest

**Sponsor:** Ozaukee Radio Club

**Website:** <http://www.ozaukeeradioclub.org/>

## Hamfests





# FOND DU LAC AMATEUR RADIO CLUB

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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 24-25, 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-Larson KC9UVJ







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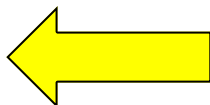
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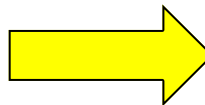
NAME	CALL
Barbara Simon	W9MER
Buddy Larson	KC9UVJ
Chuck Mahnke	K9HXI
Cully Kowal	KS0D
David McCumber	N9WQ
Dawn Krause	KD9CAW
Debra Florian	
Dennis Paulin	KB9OFM
Dick Finn	KC9ZVW
Don Chapman	KC9KZQ
Dot Olig	K9FDL
Doug Murray	KC9ZVT
Doug Schultz	N9EZF
Ed Beltz	N9PJQ
Fernando Salazar	KC9ZVX
Gene Peterson	KD9IAG
Gene Olig	KD9ZP
Jack Heil	KG9IN
Jim Balthazor	K9AIX
Jim Cole	N9WAP
Joe Lauber	KC9MDY
Justin Buell	KB9YET
Kyle Ruesch	AB9AX
Larry Mielke	KC9RUE
Laurie Winchell-Beltz	KC9YQS
Lloyd Vandervoort	N9RPU
Louis Simon	KB9VQM
Marjean Buck	KC9LFI
Marjorie Heil	KC9BEN
Neal Buck	KC9LFN
Paul Bleuel	KC9NAA
Peter Fox	KB9WZD
Ray Grenier	K9KHW
Reinholt Aschmotat	N8VDH
Rick Robinson	NI9Z
Ron Keller	KC9YVL
Steve Smith	W9GPI
Ted Gustavus	KD9IAH
Ted Neuburg	W9LUQ
Ted Willett	W9NHE
Timothy Braun	W9AAV
Tom Powell	KC9VXR
Tony Pass	KC9QYR
Walter Drees	KD9JAD

### FDL ARC ROOSTER

Name  
Sort



Call  
Sort



NAME	CALL
Kyle Ruesch	AB9AX
Jim Balthazor	K9AIX
Dot Olig	K9FDL
Chuck Mahnke	K9HXI
Ray Grenier	K9KHW
Dennis Paulin	KB9OFM
Louis Simon	KB9VQM
Peter Fox	KB9WZD
Justin Buell	KB9YET
Marjorie Heil	KC9BEN
Don Chapman	KC9KZQ
Marjean Buck	KC9LFI
Neal Buck	KC9LFN
Joe Lauber	KC9MDY
Paul Bleuel	KC9NAA
Tony Pass	KC9QYR
Larry Mielke	KC9RUE
Buddy Larson	KC9UVJ
Tom Powell	KC9VXR
Laurie Winchell-Beltz	KC9YQS
Ron Keller	KC9YVL
Doug Murray	KC9ZVT
Dick Finn	KC9ZVW
Fernando Salazar	KC9ZVX
Dawn Krause	KD9CAW
Gene Peterson	KD9IAG
Ted Gustavus	KD9IAH
Walter Drees	KD9JAD
Gene Olig	KD9ZP
Jack Heil	KG9IN
Cully Kowal	KS0D
Reinholt Aschmotat	N8VDH
Doug Schultz	N9EZF
Ed Beltz	N9PJQ
Lloyd Vandervoort	N9RPU
Jim Cole	N9WAP
David McCumber	N9WQ
Rick Robinson	NI9Z
Timothy Braun	W9AAV
Steve Smith	W9GPI
Ted Neuburg	W9LUQ
Barbara Simon	W9MER
Ted Willett	W9NHE
Debra Florian	