



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —



VOLUME 19 ISSUE 11 www.fdlhams.com November, 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 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 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

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

Presidents Corner

By Dave McCumber N8WQ



I received a note from Dave McCumber N9WQ that Robert "Bob" Fishelson K9GEI passed away on Nov. 3, 2018. Bob was one of the early club presidents back in the 60-70's. There was an obituary in the Reporter, unfortunately it only listed his death and did not provide any details. If you are interested in attending any services, please keep an eye on the Reporter or contact Zacherel Funeral Home for more details.

As a reminder, November is the month for our annual officer election. Please come prepared to nominate candidates and to vote in the new officers.

We also have our annual Christmas Party at Jim and Linda's Lakeview Supper Club coming on on December 8, 2018. More information on this will be forthcoming. As always, we will not have a December meeting.

It looks as if Joe Scheibinger K9VY has put together a great program for this month's meeting. See page two for more details,

Next Meeting

When: November 10, 2018 at 7:00 pm

Where: Moraine Park Technical College, Room A-112

Program: Mike Malone KD5KXF, Editor of the QRP Magazine



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Mike Malone KD5KXF, Editor of the QRP Magazine Will Speak at the November FARC Meeting

The Monday, November 12th meeting will feature another very interesting avenue for the Ham Radio Enthusiast. Mike Malone KD5KXF, Editor of the QRP Magazine will be our guest to explore the world of low power Ham radios.

Less is more? **QRP** operation refers to transmitting at reduced power while attempting to maximize one's effective range. The term QRP derives from the standard [Q code](#) used in radio communications, where "QRP" and "QRP?" are used to request, "Reduce power", and ask "Should I reduce power?" respectively. The opposite of QRP is [QRO](#), or high-power operation.

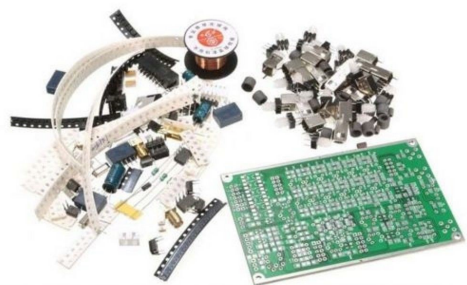
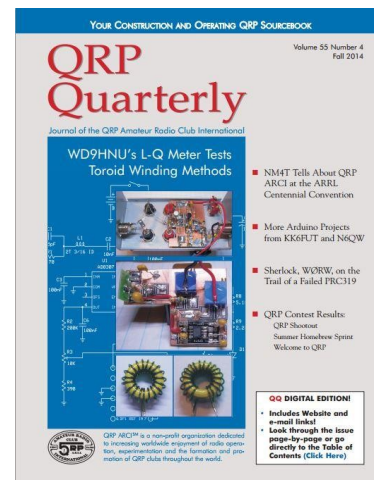
Most amateur transceivers are capable of transmitting approximately 100 watts, but in some parts of the world, such as the U.S., amateurs can transmit up to 1,500 watts. QRP enthusiasts contend that this is not always necessary, and doing so wastes power, increases the likelihood of causing interference to nearby televisions, radios, and telephones and, for United States' amateurs, is incompatible with FCC Part 97 rule, which states that one must use "the minimum power necessary to carry out the desired communications". The current record for a QRP connection is 1 μ W for 2640 kilometers (1650 miles) on 10-meter band (28-29.7 MHz).



There is not a complete agreement on what constitutes QRP power. Most amateur organizations agree that for CW, AM, FM, and data modes, the transmitter output power should be 5 watts or less. The maximum output power for SSB is not always agreed upon. Some believe that the power should be no more than 10 watts peak envelope power, while others strongly hold that the power limit should be 5 watts. QRP'ers are known to use even less than five watts, sometimes operating with as little as 100 milliwatts or even less. Extremely low power 1 watt and below is often referred to by hobbyists as QRPP.

Communicating using QRP can be difficult since the QRP'er must face the same challenges of radio propagation faced by amateurs using higher power levels, but with the inherent disadvantages associated with having a weaker signal on the receiving end, all other things being equal. QRP aficionados try to make up for this through more efficient antenna systems and enhanced operating skills.

QRP is especially popular with CW operators and those using the newer digital modes. PSK31 is a highly efficient, narrow-band mode that is very suitable to QRP operation.

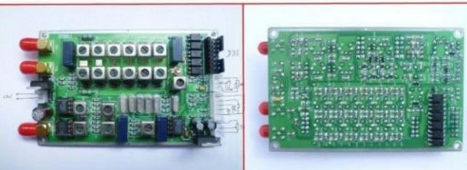


If you like contesting, QRP Magazine sponsor several contests each year with the emphasis on having fun! Geared completely to the QRPer, these contests are an excellent way to test out your new gear, antennas, or your homebrew creations. Not only can you compete in the various contests but you can also work on the many QRP awards offered both by QRP ARCI as well as other organizations and you can also add to your DX QRP totals or complete your QRP DXCC, WAS, WAC etc.

A quick look at EBay shows you can actually order a QRP transceiver and build it from a kit for around \$50. QRP can be a very low cost entry way into the world of Ham Radio!

See you at November's meeting and don't forget to bring a friend!

Joe Scheibinger K9VY





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Call for Volunteers By Peter Fox KB9WZD

Hello All:

The Fond du Lac ARES group is currently looking for at least twelve volunteers for the 2018 Fond du Lac Holiday Parade.

The parade will be on Saturday December 1st with a parade start time of 4:15 PM. We are looking for volunteers from about 1:45 PM for a quick briefing before we start the parade line up and typically are finished by or before 5:00 PM. the location will be the same as previous years with the majority of the parade line up occurring in the large G&L (FIVES) parking lot at Johnson St. (HWY 23) and Macy St. in Fond du Lac.



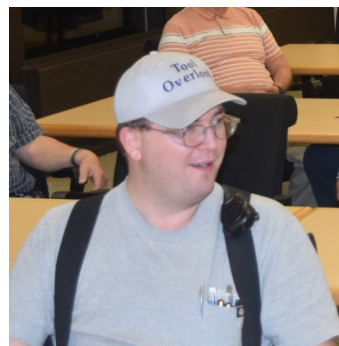
The recommended equipment for helping is: a 2 meter handheld, a reflective vest, and a clipboard. Also warm clothing appropriate for whatever weather we are expecting. We will be operating on a 2 meter simplex channel for coordinating the lineup, using the same channel we have used for the last several years 147.480 MHz with a 173.8 Hz CTCSS (PL) tone. If you need help with any of the equipment I will have plenty of spares available.

More information will be available at the November club meeting, with final details and lists/maps provided in an email to volunteers a few days before the parade.

IF YOU ARE EVEN REMOTELY INTERESTED OR MAY BE AVAILABLE PLEASE LET ME KNOW. I NEED ALL THE HELP I CAN GET.

Anyone who is interested please contact Peter Fox, KB9WZD at either via email at kb9wzd@yahoo.com or via phone at 920-960-3818

Thanks
Peter Fox
KB9WZD



Thanks to Ted Willett for sending on this QSL card. The call is not real but "Last Man Standing" did receive permission from the FCC to use it on their show. Pretty nifty!



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October 13, 2018 Testing Session By Kyle Ruesch AB9AX

Doug Schultz N9EZF, Jack Heil KG9IN and Kyle Ruesch AB9AX, were the proctors for the October 13, 2018 testing session. Thanks to their effort, two new HAMs joined the ranks. One Dennis Davison, passed both the Technician and General exams. Ben Haack passed his Technician exam.



*Ben Haack KD9LVQ Receives his Technician certificate from
Kyle Ruesch AB9AX*

Our congratulations to both HAMS on their achievement. Many thanks to our band of VEs who donated their Saturday morning.

Our next testing session is on December 8, 2018 so there is still plenty of time to prep to upgrade your ticket. As always, it will be held at Moraine Park Technical College in Room O-104. from 9:00 am to noon. Contact: Doug Schultz N9EZF if you have any questions or to give him a heads up that you will be attending. Reservations are not required.



*Dennis Davison KD9LVR receives his General certificate
from Kyle Ruesch AB9AX. Dennis passed both his techni-*



Vintage Amateur Radio de Bill Shadid, W9MXQ



I am going to dwell a bit this month on a competition grade radio transceiver manufactured in the 1960's. It truly can complete in many ways, today – outstanding filter performance, some level of interference control, and that holy grail of DX radio, dual receive. I would wager, however, that you will not guess the radio's identity (before seeing the picture, below) because it has been a long time since these radios graced the operating positions of competitive operators. In 1965, Hallicrafters began building a series of Transceivers with traditional model numbers but also included names based on storms. Below you see start of that series with the Hallicrafters SR-400 Cyclone Transceiver:



Hallicrafters SR-400 Cyclone 80-10 Meter Transceiver

If you go back in time and look at SR-150 HF Transceiver article, first in the SR family in modern times, you see that Hallicrafters advanced the styling of the front panel bezel design. For reference, here is a picture of the SR-150 in the W9MXQ radio collection:





Vintage Amateur Radio de Bill Shadid, W9MXQ



The front panel size of the SR-150 and the SR-400 were identical but complexity was increased in the later model. The addition of a very effective Noise Blanker, separate CW Filter, and Notch Filter added to the SR-400 Front Panel. Hallicrafters kept their very good system of Receiver Incremental Tuning (RIT), successfully introduced in the SR-150. The RIT feature never left the design of any Hallicrafters transceiver after that initial design introduced on the SR-150 in 1961.

There were three versions of the SR-400 Transceiver. The first two were similar with more major changes with the third, final version. Here are some points of interest in the different models . . .

	1	2	3
Model	SR-400	SR-400	SR-400A
Model Name	Cyclone	Cyclone II	Cyclone III
SSB PEP/CW Input Power	400/360	400/360	550/320
SSB PEP/CW Output Power	200/180	200/180	275/160
Final Amplifier Tubes	2x 6HF5	2x 6HF5	2x 6KD6
Internal Final Tube Matching	No	No	Yes
Amplifier Automatic Level Control (Early Speech Processing)	Yes	Yes	Yes

The SR-400 Cyclone II was essentially an upgraded SR-400 Cyclone with all realized field issues addressed. The SR-400A Cyclone III was somewhat different. Most notable were the addition of the much more powerful 6KD6 final amplifier tubes. You will note a slight oddity of this version, however, in that the more powerful final amplifiers gave an SSB power increase of over 35% in input power while close to a 12% decrease in CW power input. It is my opinion that the 6HF5 pair had been asked too much running 360 watts input while the 6KD6 was properly rated on CW at its rated input of 320 watts.

With the release of the SR-400A Cyclone III we see the inclusion of Internal Final Tube Matching. All of us are familiar with the very inconvenient need to find electrically matched final amplifier tubes in sweep tube transmitters. The 6HF5 finals had to be a matched set from the manufacturer or distributor. In the SR-400A Cyclone III Hallicrafters introduced circuitry that allowed internal matching of the tubes. I find that even different brands of finals can be accommodated. For a while, the SR-400A Cyclone III that I have in my collection held a pair consisting of RCA and Realistic (Radio Shack) sweep tubes for the pair. They work fine. Ultimately that seemed incorrect (it really isn't incorrect in Hallicrafters' design) so I replaced the pair with a new set of RCA tubes. On the other hand, the SR-400 Cyclone II that is also in my collection uses a matched pair of RCA 6HF5 sweep tubes. Ultimately, because of matching charged, I pay less for finals in the more powerful SR-400A Cyclone III.



Vintage Amateur Radio de Bill Shadid, W9MXQ



Worthy of note with the SR-400 series was Hallicrafters much touted Amplified Automatic Level Control (AALC). The “AALC” feature was touted at every opportunity. It was an early form of Speech Processing. Compared to today’s AF and RF Clipping Speech Processor systems it was of little impact on signals. But, at a time when the idea of processing speech was usually the domain of broadcast radio it was unique. My feeling is that it added, at best, maybe 1 to 2 dB of compression – very little to 7 to 10 dB today. But, in those days the SR-400 and its 200 to 300-watt output power this just added a bit more sparkle to the signal. That meant just one more way to get noticed on the band.

Essentially, AALC pushed the ALC in the transmitter to force higher average signal level at what I would think would have been a bit of a sacrifice in audio quality. Did it work? I really don’t know for sure – but I do know that my SR-400 Cyclone II gets excellent signal and audio reports. So, something is working!

There are interesting differences in the three models Cyclone, Cyclone II and Cyclone III that go beyond the excellent transmitter section of the Cyclone III. The choice of the very heavy duty 6KD6 in the transmitter removed a long-standing reliance on the relatively weak 6HF5 design. (I will add that this opinion is my own – but supported by many fellow collectors from this period.) At the same time as the Cyclone III was released the Hallicrafters organization was moving Amateur Radio operations from traditional Chicago, Illinois, location to the 1963 business acquisition site of Radio Industries, Inc., in Kansas City, Kansas. Kansas City was also the home of Hallicrafters’ corporate owners, Northrup Aviation. At that time, different engineers took over the maintenance of the SR-400 design and made some changes. Were those changes cost driven, based on personal preference of different engineers, or other reasons? Today, no one knows. One does not argue over the improvement on the transmitter. But, what is known is that if you are a collector of these radios you know that there is a wide group of SR-400A Cyclone III owners go to great pains to back convert their radios to SR-400 Cyclone II status in the lower level and receiver stages.

The original, and short lived, SR-400 Cyclone (some call this the Cyclone I) was widely known to have design issues that needed improvement. As noted earlier, the need for these changes drove the introduction of the SR-400 Cyclone II. I have owned all three, and currently have a Cyclone II and Cyclone III. Here is what I know:

1. The initial SR-400 Cyclone radios could have a rather rough sound on both SSB and CW. They were uncomfortable for listening. The final amplifier tuning could be temperamental and problematic. Neither of these traits were common with Hallicrafters which were traditionally easy on the ears and simple to tune,
2. The improved SR-400 Cyclone II radios turned out to me and to most to be a total joy to work with for both listening and transmitter tuning. This model in in later version units had the proper hole and mounting provided for an optional PA Compartment Cooling Fan. At the same time, the PS-500A-AC AC Power Supply began to come equipped with a power connector for the fan. (Later, see more information about the available power supplies, and other accessories, for the SR-400 series radios.)



Vintage Amateur Radio de Bill Shadid, W9MXQ



3. The final SR-400A Cyclone III radios made the previously mentioned upgrades in the transmitter. That was very well done. But, some receiver performance issues from the first version came back. The harshness of the SR-400 Cyclone had returned and maybe become worse. I have a plan to accomplish the reverse engineering necessary to take the receiver sections back to SR-400 Cyclone II status. That process is well documented. At this time, my SR-400A Cyclone III is not heavily used. It should be my main SR-400 design in use at W9MXQ – and it will be in the future.



Left to Right
PS-500A-AC AC Power Supply, SR-400 Cyclone II Transceiver, HA-20 DX Adapter

Let's look at accessories – all accessories work with all models:

Above you see the PS-500A-AC Power Supply that supplies all High Voltage, Low Voltage, and Filament Voltage to the transceiver. This power supply has the connector for the PA Compartment Cooling Fan but this version of the transceiver has no accommodation for the fan to be added. (It is an early SR-400 Cyclone II).

The HA-20 DX Adapter deserves some credit for providing, to my knowledge, the very first opportunity for a ham radio operator to listen to two different frequencies (on the same band) at once. To the average person looking at the HA-20 it appears merely to be an External VFO. These Extremal VFO's were very popular with transceivers of the day. But there is more to that story with the HA-20 when used with the SR-400 series transceivers:



Check the OPERATION switch in the picture at the left. There are five modes for the HA-20 (for this list just below, R = Receive and T = Transmit):

- | | |
|--------|---|
| OFF | (No power to the HA-20 – SR-400 controls R & T) |
| STBY | (SR-400 VFO controls R & T) |
| T | (SR-400 controls R while HA-20 controls T) |
| R&T | (HA-20 controls R & T) |
| DUAL T | (HA-20/SR-400 control R & SR-400 controls T) |



Vintage Amateur Radio de Bill Shadid, W9MXQ



So, the SR-400 with the HA-20 connected, setting the OPERATION switch on the HA-20 to “DUAL T” allowed a roughly equal level audio on two different receive frequencies at the same time. This would allow one to listen to a DX station’s calling frequency on the HA-20 while the SR-400 would play the sending frequency desired on both receive and transmit. So, you would tune the SR-400 VFO for the location of the DX station’s listening frequency while having the HA-20 on the DX stations calling frequency.

Now, let’s look at a not so well-known difference in different versions of the SR-400:



Hallicrafters SR-400 Cyclone

Note “Red Ball” Hallicrafters “H” Emblem at the top center of the Readout Bezel.



Hallicrafters SR-400 Cyclone II

Looks identical to the original version except that wording to the right of the bezel shows the name of “Cyclone II.”



Hallicrafters SR-400A Cyclone III

The last Version of the SR-400, from the Kansas City plant, the Cyclone III, see the changed Hallicrafters “H” Emblem. Now a white square with a Blue Ball and White “H.”

Color differences on the above pictures are due to photography – all Hallicrafters gear matched very well in color. My oldest SR-150 Transceiver matches the color of the newest SR-400A almost without any shade variance. This is a tribute to the painting process used by Hallicrafters in the days before computerized paint matching. The only odd difference over the years with this design series (SR-150 through the end of the SR series) is the exact color of the front panel silk screening. There seems an almost indiscriminate change between light gray and white in the panel lettering and stripe band at the edges of the panel.



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Vintage Amateur Radio de Bill Shadid, W9MXQ



The only other option on these radios – and then only on the late SR-400 Cyclone II - was the PA Compartment Cooling Fan. That fan was standard equipment on the more powerful SR-400A Cyclone III and not easily retro-fit to the original Cyclone or early Cyclone II radios.

There were other versions of the basic SR-400 design from Hallicrafters. We will discuss them in the future. They include the SR-2000, SR-540, and the SR-750. Also, there were units based on the earlier platform SR-150 Transceiver. These were two tri-band (80, 40, and 20 meter) models, the SR-160 and the SR-500. In keeping with the storm theme, Hallicrafters used the names, “Hurricane” and “Tornado” for some of these radios. More will follow about those radios.

The SR-400 Cyclone II and SR-400A Cyclone III are great additions to my collection. (With the possible exception of the work needed to be done on the SR-400A Cyclone III) Both of these radios handle strong signals very well, have outstanding Noise Blankers, excellent SSB and CW i-f Filters, and effective Notch Filters. As Hallicrafters told us back in the day, ***“You should be talking on a Hallicrafters!”***

(All Photos are shack photos from W9MXQ)



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MEETING MINUTES

FOND DU LAC AMATEUR RADIO CLUB

Minutes of FDLARC Monthly Meeting

Monday, October 8, 2018



Call to Order

The meeting was called to order at 7:12 pm. Tom Powell KC9VXR (Vice-President) presiding.

Program:

Paul Hrivnak N8PH gave us a guided tour of his factory at Palstar. He showed how their tuners and high powers are all hand made. They make transceivers, amplifiers, tuners, watt meters and speakers.

Palstar President and CEO, Paul Hrivnak N8PH, started his career as an electrical engineer in the automotive industry with his first job at the Ford Motor Company in Detroit, Michigan. He then moved to cable broadcasting and invented the very first infra-red remote control for use in cable television, which his company sold to Philips. His first amateur radio start-up was Vectronics back in the 1980s.



Originally a Canadian, in the 1990s Paul became a U.S. citizen and started Palstar Incorporated in Piqua, OH. A lifetime of excellence in engineering is inside every Palstar product. One of the things Paul enjoys most is speaking directly to customers who are considering purchasing a Palstar product or discussing technical issues related to amateur radio.



Paul is also an accomplished classical violinist and once owned a violin made when J.S. Bach was three-years-of age. He has played on the world's best violins including Stradivarius and Guarneri violins and those of other modern master violin makers.

Introductions :

All attendees introduced themselves. .

Approval of Meeting Minutes :

A motion was made by Paul Blue KC9NAA to approve the minutes of the last meeting as published in the newsletter. The motion was seconded by Buddy Larson KC9UVJ. 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 Peter Fox KB9WZD and seconded by Justin Buell KB9YET. The motion carried unanimously via a voice vote.

A motion to pay the bill was made by Buddy Larson KC9UVJ and seconded by Peter Fox KB9WZD

Truck Fund	0.00
Emerg. Services Fund	1,479.98
General Use Fund	5,190.29
Savings Account	25.00
Petty Cash Fund	19.12
Total	6714.39
Repeater Fund	229.92



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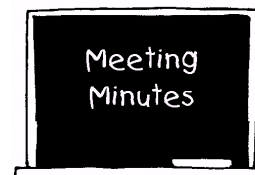


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MEETING MINUTES

FOND DU LAC AMATEUR RADIO CLUB Minutes of FDLARC Monthly Meeting Monday, October 8, 2018



Old Business

Lloyd Vandervort N9RPU reported that the replacement Yaesu digital repeater is installed and working well.

Doug Schultz reported that the latest testing session was held on Oct 13, 2018. Ben Haack KD9LVQ passed the Technician license exam. Dennis Davison Jr. KD9LVR passed both the Technician and General exams.

Doug Schultz N9EZF mentioned that the 501.c3 is a big job as that it entails a five year financial audit.

The club previously published a copyrighted cartoon in one of our back newsletters and wanted \$85 for the rights to do this. A motion to pay the bill was made by Buddy Larson KC9UVJ and seconded by Jack Heil KG9IN. The motion carried unanimously via a voice vote.

New Business

The annual Fond du Lac Christmas Parade will be held on Dec. 1, 2018. Help is needed. There will be a 2:00 pm start. See Buddy Larson KC9UVJ and / or Peter Fox KB9WZD if you have questions or would like to volunteer.

The next license exam session will be held on Dec. 8, 2018. See Doug Schultz N9EZF if you have questions.

December 9th Club Christmas Party at Jim and Linda's on Dec. 9, 2018. There will be a charge of \$20 per person. See Buddy Larson KC9UVJ if you have any questions. We will have our usual snatch and grab gift exchange.

Buddy Larson KC9UVJ gave his thanks for the help at the ARC's run walk roll.



Adjournment

A motion was made to adjourn by Cully Kowal KS0D. The motion was seconded by Jack Heil KG9IN. The motion carried unanimously via a voice vote and the meeting was adjourned at 8:25 pm.

Raffle # 554990 Tom Karrmann KC(VZY



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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

FARC - WWV Presentation 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

FARC - NooElec 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

FARC - The DZKit Ham Radio Kits https://youtu.be/giZcfQW_tpA

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

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

Newsletter Back Issues

When I took over as the newsletter editor I simply continued the volume numbering that existed then. Unfortunately, I don't have copies of those old newsletters. I would appreciate it if you have any newsletters earlier than October, 2014 you would send them to me. Electronic copies are ideal but I would also be pleased to accept hard copy. I'll scan them and return the originals to you.

Many Thanks, Dick Finn KC9ZVW



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HAM Testing Session

The Volunteer Examiners of the Fond du Lac club will be holding Amateur License exams on Saturday, December 8, 2018 from 9:00 AM until Noon in Room O-104 at Moraine Park Technical College in Fond du Lac. If you have questions or want to reserve a spot please contact Doug Schultz at 920-922-3088 or via email at schultz74@charter.net.



There's still plenty of time to crack the books and prepare to upgrade your ticket.

Fond du Lac Holiday Parade Call for Volunteers

The Fond du Lac ARES group is currently looking for at least twelve volunteers for the 2018 Fond du Lac Holiday Parade. The parade will be on Saturday December 1st with a parade start time of 4:15 PM. We are looking for volunteers from about 1:45 PM for a quick briefing before we start the parade line up and typically are finished by or before 5:00 PM. See the article on page 2 of this newsletter for more details.



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)



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —



VOLUME 19 ISSUE 11 www.fdlhams.com November, 2018

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

10/13/2018 | Wisconsin ARES/RACES Conference

Location: Wisconsin Rapids, WI

Type: ARRL Convention

Sponsor: WeComm, Ltd.

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

[Learn More](#)

11/03/2018 | MRC91 Milwaukee Repeater Club

Location: Milwaukee, WI

Type: ARRL Hamfest

Sponsor: Milwaukee Repeater Club

Website: <http://mrc91.org>

[Learn More](#)

11/04/2018 | FCARC Swapfest

Location: Appleton, WI

Type: ARRL Hamfest

Sponsor: Fox Cities Amateur Radio Club

Website: <http://www.fcarc.club/hamfest.php>

[Learn More](#)

01/05/2019 | 47th Annual Midwinter Swapfest

Location: Waukesha, WI

Type: ARRL Hamfest

Sponsor: West Allis Radio Amateur Club

Website: <http://warac.org>

[Learn More](#)

Hamfests





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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. 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

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. 8, 2017

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



Dec. 9, 2017

Christmas Party:
Lind's Contact

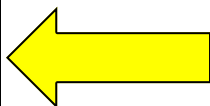
Jim and
Buddy Larson KC9UVJ





First	Last	Call Sign	Dues
Annika	Kreis		
Barbara	Simon	W9MER	
Blend	Bowen	KC9VXV	
Brad	Freund	KC9QYP	
Brian	Turkiewicz	KC9LFR	
Buddy	Larson	KC9UVJ	
Chuck	Mahnke	K9HXL	
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	Murray	KC9ZVT	
Doug	Wagner	KC0RNS	
Doug	Schultz	N9EZF	
Ed	Beltz	N9PJQ	
Ed	Sipple	W9VYO	
Ed	Steinfeld	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	AB9AX	
Larry	Lamont	KB9POP	
Larry	Mielke	KC9RUE	
Laura	Yates		
Laurie	Winchell	KC9YQS	
Lloyd	Vandervoort	N9RPU	
Lorelei	Kreis		
Louis	Simon	KB9VQM	
Marjean	Buck	KC9LFI	
Marjorie	Heil	KC9BEN	
Mark	Forss	WD9CYM	
Mathew	Yates	KD9CSD	
Matt	Nett	KD9BBN	
Matthew	Zimmerman	KD9KTY	
Michelle	Lawrence	N9RQL	
Mike	Keyes	KE7ES	
Mike	Lawrence	N9UA	
Nancy	Myers	K9ANA	
Neal	Buck	KC9LFI	

FDL ARC ROOSTER



Name Sort



Call Sort



Paul	Bleuel	KC9NAA		Doug	Schultz	N9EZF
Paul	Tvrdy	N9KLK		Paul	Tvrdy	N9KLK
Peter	Fox	KB9WZD		Ed	Beltz	N9PJQ
Randy	Nelson	KC9MYG		Lloyd	Vandervoort	N9RPU
Ray	Grenier	K9KHW		Michelle	Lawrence	N9RQL
Reinholt	Aschmotat	N8VDH		Mike	Lawrence	N9UA
Richard	Jarzynka	KD9EMX		James	Scovronski	N9WAM
Rick	Robinson	N19Z		Jim	Cole	N9WAP
Ron	Keller	KC9YVL		David	McCumber	N9WQ
Scott	Kreis			Rick	Robinson	N19Z
Stan	Cram	A10M		Timothy	Braun	W9AAV
Steve	Smith	W9GPI		Steve	Smith	W9GPI
Ted	Gustavus	KD9IAH		Ted	Neuburg	W9LUQ
Ted	Neuburg	W9LUQ		Barbara	Simon	W9MER
Ted	Willett	W9NHE		Ted	Willett	W9NHE
Timothy	Braun	W9AAV		Ed	Sipple	W9VYO
Todd	Beay	AC9EX		Gerry	Radtke	WA9GON
Tom	Karrmann	KC9VZY		Mark	Forss	WD9CYM
Tom	Murray	N0HOR		Dave	Witt	WD9W
Tom	Powell	KC9VXR		Annika	Kreis	
Tony	Pass	KC9QYR		Debra	Florian	
Walter	Rueger	KC9WQ		Laura	Yates	
Walter	Drees	KD9JAD		Lorelei	Kreis	
				Scott	Kreis	

First	Last	Call Sign
Edward	Frac	AA9WW
Kyle	Ruesch	AB9AX
Todd	Beay	AC9EX
Stan	Cram	A10M
Jim	Balthazor	K9AIX
Nancy	Myers	K9ANA
David	Zittlow	K9DUI
Dot	Olig *	K9FDL
Chuck	Mahnke	K9HXL
Ray	Grenier	K9KHW
Joe	Scheibinger	K9VY
Ed	Steinfeld	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	KC9LFI
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	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
Gene	Peterson	KD9IAG
Ted	Gustavus	KD9IAH
Derek	Giese	KD9IAN
Walter	Drees	KD9JAD
Matthew	Zimmerman	KD9KTY
Gene	Olig *	KD9ZP
Mike	Keyes	KE7ES
Jack	Heil	KG9IN
Cully	Kowal	KS0D
Tom	Murray	N0HOR
Reinholt	Aschmotat	N8VDH
Doug	Schultz	N9EZF