



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

VOLUME 20 ISSUE 5

www.fdlhams.com May, 2019



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

Club Officers

President: Buddy Larson KC9UVJ
Vice-President: Tom Karmann KC9VZY
Secretary: Lloyd Vandervort N9RPU
Treasurer: Doug Schultz N9EZF
Sgt-at-Arms: Paul Bleuel KC9NAA

Board Member: Ron Keller KC9YVL
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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
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Publicity/Program: Joe Scheibinger K9VY
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Testing: Doug Schultz N9EZF
Truck: Brad Freund KC9QYP
TVI: Lloyd Vandervort N9RPU
Web Site: Tim Braun W9AAV

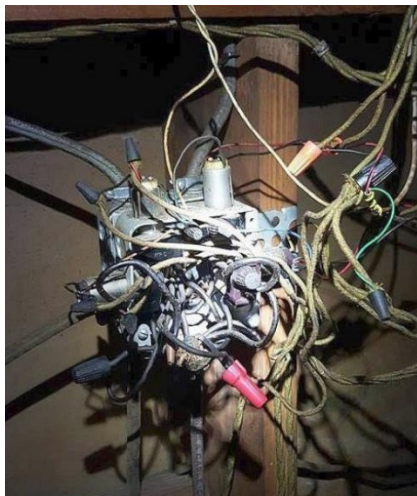
Each committee has several members. If you are interested in serving on a committee, please contact the chairperson and volunteer your services.

Mailing Address

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PO Box 53
Fond du Lac, WI 54936-0053
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**Newsletter
Submissions:**
Please email to
rfinn5@hotmail.com

Ted Willett reports that he just finished rewiring his shack.



Despite the obvious care he took to avoid problems, he was left with a noise problem. He reports: "I finely found where my noise is coming from S-9 to 20 over, now I know why."



Next Meeting

When: May 13, 2019 at 7:00 pm

Where: Moraine Park Technical College, Room A-112

Program:



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Tim Czerwonka W09U from the Badger Amateur Radio Society Will Speak at the May Meeting

The FARC meeting in May will feature Tim Czerwonka from the Badger Amateur Radio Society. The organization goes back to 1930 and is located at the University of Wisconsin Madison. Final details are being worked out depending on Tim's schedule if he will be live or Skyped. (If Tim comes personally, we will stop at Gino's Pizza after the meeting!)

One of our goals as a club is to bring in more young people as members and introduce them to a great hobby! Tim will give examples on how to do that as a club. The BARC is also a 501 c3 organization and they provide educational scholarships from donations given to the club from silent keys.

Tim says, "I got my first ham license in 1989 when I was 15. I attended UW-Madison and was involved with the Badger Amateur Radio Society, W9YT, the entire time I was there. I graduated in 1998, worked in Madison for a couple of years and never really lost touch with the club. I came back to the University as academic staff in 2000 and have tried my best to provide institutional memory and continuity between students as the semesters pass. Professionally I'm a Network Engineer for UW-Madison. I can say that everything good career-wise for me has had some aspect of Amateur Radio with it."



Tim continues, "As with many organizations, there are membership ebb and flows; ham radio is not immune to this. Especially with younger members we're at the mercy of a myriad of instant global means of communication, increasing class load and other competing interests -- robotics, alternative energy competitions, design competitions, makerspaces, etc.

"How then can we attract younger active hams? I can tell you what we've done, what has worked, what hasn't worked and some ideas I'm kicking around."

"The W9YT call has been around at the UW since 1930 (and yes, this has some issues when we're running the November HF Sweepstakes) and had had a home somewhere in either the physics or engineering campus since. Our current station is located on the 16th floor of the Engineering Research Building. We operate two repeaters, one VHF and one UHF that includes FM, Echolink, DMR and YSF capabilities. Our station consists of some conventional HF rigs, a SDR-1000, and Yaesu-FT847 for VHF/UHF weak-signal and satellite operation."

I too was in on the founding of the Badger Amateur Radio Society. I was W9VBR in those days arriving from Wauwatosa in the fall of 1954. For the first three years, I lived in the Turner House, Kronsage Hall before moving off campus.

A Collection of Personal Memories written by John Lemmer W6FQX

The Badger Amateur Radio Society has been around for a long time! The webpage is incredibly interesting to read and is located at <http://w9yt.engr.wisc.edu/history2.html>. Here is a clip from the page that talks about the past history of the club written by John Lemmer W6FQX. It's an amazing read!

I recently came across a history of W9YT by Fred Laun almost 24 years after it was published. Isn't it wonderful what Google can find – even the W9YT web page. Fred left out some things. Here is some more ancient history from the rebirth of W9YT in 1957, fifty years after the fact.



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A Collection of Personal Memories written by John Lemmer W6FQX

I remember well the Men's Halls Radio Club (how quaint) operation in the basement of a dorm complex whose name I fail to recollect. That dorm complex was built in the form of a medieval castle complete with a iron gate (to lock the students in?) and a sally port. It was ancient then. I expect that it has long been demolished.

I did not participate in the pirate broadcasting operation although I did make a series of wireless microphones that I placed in the women's rest room of the Turner House party room. These too operated in the AM broadcast band although with minimal power as the CK722 germanium transistors barely would operate at all even at the lower end of the band. The CK768 a little later made the signal much stronger. It is amazing what those women said about their dates. Of course, this was done by me when the EE department was teaching about the principles of vacuum tubes as if transistors did not exist.

When offered the opportunity to set up a ham station at the EE building, we jumped at the chance. Not to quibble, but the name of the faculty advisor of what became BARS and W9YT was spelled Koehler. Not that we ever saw him anyway – we pretty much had the run of the station and classroom anytime that the Signal Corps was not using it. At least we could pronounce his name.



The BC-610 transmitter that was in use on 80 through 20 meters used a 250-TH tube whose graphite plate glowed red on carrier but flashed to yellow on voice peaks. This was, after all, AM mode. To change bands, one had to turn the power off and change a pair of plug-in inductors. One day, the Signal Corps officer in charge went to change the inductors and turned the power off but failed to discharge the power supply capacitors using the insulated rod and grounding chain supplied with the transmitter. Upon receiving the shock, he rapidly backed out of the final enclosure and bumped into the wall – at which the Danger High Voltage sign fell off the wall and hit him on the head.

We at BARS had inherited a surplus 40 Mc dispatcher radio from the Madison Police Department. Yes, that's correct – Mc. Heinrich Hertz had yet to get his name applied to cycles per second. The radio operated in AM mode and I think that was when the Police Departments were changing over to FM.

I elected to convert this beast to 6 meter operation by building a tuneable front end to feed the old receiver IF and constructing a new power amplifier using a 3E29 dual tetrode tube. The exciter circuits could be tuned or otherwise modified to tune to 50 Mc (that term again) but the original power amplifier was a hopeless case. I think that we had 2 or 3 crystals to select the transmit frequency.

Most of the guys considered the 6 meter band a dead end until one day the sporadic E mode kicked in and provided a lot of excitement as Colorado, New Mexico, and Arizona stations started coming in at signal strengths that were unbelievable. Stations from the Southwest were much stronger than any local station and even overpowered the AGC circuits in the receiver at times. If you have ever experienced sporadic E propagation on 6 meters such as this, you will never forget it.

We were just a few weeks after receiving a briefing from the US Navy about the Vanguard program which promised to place the first satellite in space when we heard the news about Sputnik. We all dashed to the radio room to listen to the beeping signal on 20.005 Mc. Another day that changed the USA.

Reggie (W9ZQA) was bored one day and decided to fly an airplane inside the classroom that included the radio equipment. He fastened a small model airplane engine to a piece of wood shingle with a makeshift elevator arrangement and hooked up to a U-control rig about a dozen feet long. There was no aerodynamic lift to this arrangement – this plane would fly on pure thrust. He cranked up the prop and ran the plane around the room until the fuel gave out. You cannot imagine the noise level -- and the stink. Reggie complained about being dizzy after this flight.



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A Collection of Personal Memories written by John Lemmer W6FQX

I still have QSL cards from Fred and Reggie from 1957 and 1958 and a W9YT card from 1958 with Fred signing. I was using my home brew 10 and 6 meter rig from my apartment only a few blocks away but the QSOs counted. I don't know if they kept my W9VBR card but I still have a sample. I was out of there at the end of 1958. I lost touch with them a long time ago.

I must have learned something at the University of Wisconsin and with ham radio as I enjoyed a 40 year career as an RF design engineer, project engineer, and engineering manager. What a ride – from tubes and discrete transistors to MIMICs and radio on a chip. From slide rule and paper to computers on my desk more powerful than those that put men on the moon. From AM to SSB and QAM and narrow bandwidth to spread-spectrum and UWB.

I received my current call sign in the mid 1960s when the FCC allowed those previously holding a 1x3 call sign to apply for a vacant 1x3 call sign. It seemed a sign of prestige then but now seems old style. Oh well, I am used to it. No need to apply for a new "vanity" call sign. I still am active in ham radio (although never near as active as Fred) and have trained a number of new Technician class hams. My emphasis now is primarily public service and preparing others for the natural disaster that may eventually come in California. I even convinced my XYL to get her license and become a YL again after many years. I hope that those that have been active at W9YT and those that come later can get as much out of their experience there as I have.

73, John Lemmer, W6FQX ex W9VBR

Bring a Young Person to the Meeting Day in May!

I know, we are all young at heart! Remember when Isaac KD9FPG joined our club and how excited we all are about having him as an active member? We watch him grow in Ham Radio, learn code, work at the Brat fry and Field Day? Multiply that by 20. That's the goal our club has set. Spread the good news of Ham Radio to the younger generation!

So with our special guest speaker coming for the May meeting, what better time is it to invite a young person, family member, or neighbor to the May meeting? Let's start our membership drive by doing something we can all participate in, the sharing of our hobby! And it doesn't have to be just young people. Bring anyone you think would be interested in our hobby. We can introduce them to the club, and I will have membership applications available at the meeting for one and all!

Joe K9VY

HUGE Meeting in June! Don't miss this one!

John Kruk – N9UPC, National Sales Manager for the Amateur Division - Yaesu USA will be our guest LIVE at the university. He will bring along some of the newest gear offered by Yaesu and answer your questions. This should be an amazing meeting!

(Editor's note - When I mentioned he could do it via Skype he said "This is my pleasure and no need to pay for my travel as it is just a very short (approximate) 4 ½ hour drive over to your area from my home. This allows me to show things more in person as well as answer more questions directly. I will schedule this event in for June 10th and look forward to seeing you at that time."

Are there any club members that would like to volunteer to put John up for the night? If there are, please let me know at the meeting. If we can, we will plan a party at Gino's after the meeting.





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HAM License Testing Session April 13, 2019

Doug Schultz N9EZF and his intrepid band of VE's (Kyle Ruesch AB9AX and Dick Finn KC9ZVW) held the second Testing session of 2019 on April 13, 2019. We were all surprised and pleased at the turnout. A total of seven people showed up and all made passed their test. In fact, Royce Moericke passed his Technician class exam and went on to Pass his General Class.

James Rudd Came prepared for both the Technician exam and the General Class and passed both. Congratulations are also due to Rory Meyer KD9MWL who poassed his Extra Class exam. All in all it was a very positive and rewarding session.

The following licenses were rewarded:

| | |
|--------------------|------------|
| Jammes Rudd | General |
| Robert Pomprey | Technician |
| William Konen | Technician |
| Rory Meyer KD9MWL | Extrra |
| Trevor Griszinski | Technician |
| Randy Henke KD9EQJ | General |
| Royce Moericke | Technician |

Congratulations to all!



Kyle Reusch AB9AX presents Robert Pomprey with his Technician class license



Doug Schultz N9EZF Rory Meyer his Extra Class ticket.



Kyle Reusch AB9AX presents Trevor Gruszinski with his Technician Class ticket.



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www.fdlhams.com May, 2019

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HAM License Testing Session April 13, 2019 (cont.)



Kyle Reusch AB9AX awards James Rudd his General Class ticket.



Kyle Reusch AB9AX awards Royce Moericke his General Class ticket.



Kyle Reusch AB9AX awards Randy Henke KD9EQJ his General Class ticket.



Kyle Reusch AB9AX and Doug Schultz N9EZ congratulate Willism Konen with his General Class ticket.



Vintage Amateur Radio de Bill Shadid, W9MXQ



For months we have discussed the movement in amateur radio marketing stemming from the Collins introduction to lightweight (for the time) desktop high-frequency radio equipment. This month we are going to move off that path for a bit. Back in 1977, while the guest¹ of *Ham Radio Magazine* at the Dayton Hamvention, I came across a brand-new offering from HyGain Electronics. They were showing their model 3750 HF Transceiver. HyGain, by then a shadow of its former self after a disastrous corporate decision to push into the North American Citizens Band Radio market, was near bankruptcy. Trying to move back to its ham radio roots, HyGain partnered with National Radio of Japan (known as Panasonic² in the west) to rebrand one of their premium market transceivers – known in Japan as the National RJX-1011D. So, this month we are going to talk about this incredible radio and my experience with the product in my shack.



**HyGain 3750 160-10 Meter SSB/CW Transceiver
(Panasonic/National RJX-1011D)**

W9MXQ Photo

The 3750 Transceiver was in a large market of 180 to 200-watt RF input radios in a variety of price ranges. This radio was right along with them – at the high end of price – with a solid-state radio working with a vacuum tube driver and final amplifier section. The 3750 had an input power of 200 watts that was provided by two S2002 Tetrode Power Amplifiers. These unique Japanese tubes were custom made for this radio – a point that is now problematic. They closely resemble 6LR7 Sweep-Tubes – and some have noted that the 6KD6 Sweep-Tube is also compatible. But, the S2002 design had very heavy interior components and was what I would describe as a true transmitting tube using a Sweep-Tube concept design. S2002 tubes, however, are virtually unobtainable today. One of these S2002 tubes was heavier than any Sweep-Tube I have ever worked with. As I recall, they were heavier than a 6146B.



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Vintage Amateur Radio de Bill Shadid, W9MXQ



The use of unique numbers by Japanese manufacturers of radio equipment used this number system in other radios. The model 6146 tetrode was widely known in Japan as the S2001 and was later updated to be the S2001A. This convention was later eliminated, and late vacuum Japanese tube final amplifier radios used the 6146B nomenclature as we did in the West.

HyGain provided a matching External Speaker and External VFO unit for these radios as shown here . . .



HyGain Model 3854 External Speaker



HyGain Model 3855 External VFO

W9MXQ Photos

The bronze anodized finish aluminum panels on these radios and accessories was quite striking, visually. But, several manufacturers used colors other than dark gray or black without long term success. This radio in Japan, under the National name, was identical in color and in all things other than the logo for the company name.

My first experience with these radios was at the previously mentioned 1977 Dayton Hamvention at the HyGain booth. The radio was sitting on display – center stage in the booth – receiving Morse code transmitted from elsewhere in the convention center. Its golden tones receiving CW were the number one selling point right away. The cost, however, was in the thousands of dollars so buying one then was out of the question. Even today, a good version of the transceiver alone can demand well over \$1,000.00. But, it has been year since I have seen one. I do know where several of these fine stations reside. I patiently wait!!



Vintage Amateur Radio de Bill Shadid, W9MXQ



Using the 3750 was a pure joy. I have had three complete sets over time. They are not easy to find because only about 300 radios, quite a few less 3854 Speakers, and far fewer 3855 External VFO units were made. I was very fortunate to have my sets of these radios at different times. Most recently was perhaps five years ago. The pictures shown in this article are of the last set – and I regret that I do not have a front on photograph of all three pieces together. However, I do have an edge-on view of that same station that you can see here . . .



HyGain 3750 Complete Station in about 2010

Left to Right are the 3854 Speaker, 3750 Transceiver, and 3855 External VFO
(Note also the Astatic D-104 Microphone and Nye-Viking Straight Key)

W9MXQ Photo

The above picture was snapped to prove the existence of this bronze wonder station to a fellow Ozaukee Radio Club member who did not believe that a radio of this color every existed.

The radio had very effective eight-pole 2.4 kHz and 400 Hz crystal filters (SSB and CW, respectively) but generally lacked any good QRM fighting tools other than an excellent Notch Filter that was useable on both SSB and CW. It had two features that were beneath the radio's dignity, in my opinion – one was a completely useless Noise Blanker and the other a similarly ineffective Speech Processor. The Speech Processor was no loss for its poor operation, however, as the standard speech audio system produced some of the most consistently complimented SSB audio of any radio I have ever owned and operated.

– HyGain.



Vintage Amateur Radio de Bill Shadid, W9MXQ



The 3750 was marketed before the WARC Bands were offered so it is not useable on 30, 17, and 12-meters – much less 60-meters. It did include WWV at 10 MHz on its own band position so one could certainly tune the 30-meter band. I have heard that there were users that activated the band position for transmit but I never did more than read that it had been done. The manufacturer never did produce a WARC enabled version of this radio. It was replaced with an all solid state National (Panasonic) RJX-810D. One of those was in my collection for a time – but it was not the performer of the 3750. Here is that later radio for your reference . . .



National (Panasonic) RJX-810D HF Transceiver that replaced the HyGain 3750 (National RJX-1011D) in the Japanese market. We did see some of them here from NCG (Comet) under the model 10/160M.

(RigPix Photo)

The 3750 existed at a time when digital readout was just becoming popular. Popular, yes, but not so easy to incorporate in those days. Let's look at the front panel, around the VFO Dial and Digital Readout, to see how digital readout was accomplished in this radio . . .





Vintage Amateur Radio de Bill Shadid, W9MXQ



To the right of the VFO Knob, see the Bandswitch and that it is set in the 3.5 (MHz) position. A bandswitch hard wired line turned on the left panel readout to show the first digit of “3” as you can see. Now, looking at the dual readout (INT for Internal) and MEMORY – EXT (for External) four place readout plus decimal point. The VFO is tuned to 3.856.0 MHz. If the 3855 External VFO was installed and activated, it's frequency would read out on the right hand four place readout plus decimal point – at EXT – also relying on the “3” to indicate the band.

You can see lever switches to the right and left of the sub-readout just above the VFO Dial that gave a rough view of the area of the band being tuned. That left lever switch actuated the internal crystal calibrator – with calibration of the VFO being possible with a control elsewhere on the front panel. The lever switch to the right was a switch to activate a memory (scratch pad) to reference a point the operator wanted to remember on the main radio VFO. This control would over ride the right side readout of the External VFO.

In my several home station installations with the HyGain 3750/3855/3844 combination I also used the Drake L7 Linear Amplifier. They were a nearly perfect match in height. The 3750 worked better with the Drake L7 than its design partner, the Drake TR7 Transceiver. For the record, the 3750 was a far superior performer than the Drake TR7 on the bands. (With the exception of the poorly executed Noise Blanker in the HyGain!)

The American company, KLM, imported a slightly narrower version of this radio (same color, knobs and dial panel) that was 6-meters only for SSB and CW. I have never seen one of these except in some advertising – but for your reference I have included a picture of it as it appeared in National Radio format. It looked a bit different as the KLM radio – but only in terms of the logo for the branding. My picture is not color correct – it was a perfect color match for the HyGain 3750.



To the left is the National RJX-661 Six-Meter SSB/CW Transceiver. This was marketed in the United States and Canada by KLM and used the same RJX-661 model designation – but branded KLM. This was an all solid-state, 10-watt output radio.

Note that there was no digital readout.

Matsushita Photo

From what I can determine, the RJX-661 was quite a popular radio, globally – especially outside the United States.



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Vintage Amateur Radio de Bill Shadid, W9MXQ



I became good friends over the years with the project manager assigned to the partnership between National Radio of Japan and HyGain that fostered the 3750. After HyGain was purchased by Telex (before later merging into MFJ) my friend became Amateur Radio Products Manager of Telex. He is now a Silent Key. For many years, a fellow in northern Wisconsin held and marketed all the remaining parts and service inventory for the HyGain 3750 and its accessories. We still occasionally talk. One of my 3750 sets was once part of the HyGain sales group and was used as a show item at HyGain's corporate offices. Telex did not continue any of the RF products that HyGain had produced later in its independent life – and that includes the Galaxy radio line that HyGain had purchased from World Radio Laboratories – tied into what we old-time hams know of as Globe Radio. Did anyone catch a whole new line of radios for future articles?

Founded in 1949, at its peak, HyGain was a multi-million-dollar corporation with several thousand employees³. Currently it is a subsidiary of MFJ Enterprises and has 75 employees³. So, it goes on – but nobody there knows about the 3750.

I appreciate that you read my articles. Remember that I am open to questions and comments at my email address, W9MXQ@TWC.com.

¹ From the late 1970's until into the 1990's I was part of the Editorial Staff of Ham Radio Magazine.

² Panasonic and National are part of the large Japanese conglomerate, Matsushita Electric Industrial Co., Ltd. Using the National name, they were once one of the largest manufacturers of ham radio equipment in the world.

³ Wikipedia – HyGain.



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MEETING MINUTES

FOND DU LAC AMATEUR RADIO CLUB

Minutes of FDLARC Monthly Meeting

Monday, April 8 2019



Call to Order

The meeting was called to order at 7:00 pm with president Buddy Larson KC9UVJ presiding.

All attendees introduced themselves.

Program:

No program this month.

Approval of Meeting Minutes:

A motion to approve the minutes was made by Cully Kowal KS0D and seconded by Doug Schultz N9EZF. The motion carried unanimously via a voice vote.

| | |
|----------------------|----------|
| Truck Fund | 0.00 |
| Emerg. Services Fund | 1,482.79 |
| General Use Fund | 5,056.98 |
| Savings Account | 25.00 |
| Petty Cash Fund | 19.12 |
| Total | 6,583.97 |
| Repeater Fund | 230.81 |

Treasurer's report

The Treasurers Report was presented by Doug Schultz N9EZF. A motion to approve the Treasurers Report was made by Justin Buell KB9YET and seconded by Cully Kowal KS0D. The motion carried unanimously via a voice vote.

A motion to pay the bill was made by Lloyd Vandervort N9RPU and seconded by Justin Buell KB9YET.

An amendment was made by Cully Kowal KS0D to pay the bills up to \$300 and seconded by Deb Florian. The motion carried unanimously via a voice vote.

Old Business

Doug Schultz N9EZF mentioned that the science teacher at North Fond du Lac high school is interested in having a school contact, there is a procedure that has to be followed to have this set up.

Field day will soon be on us. Think about procedures, equipment, operators internet, setup and tear-down.

Business from the floor:

Doug Schultz N9EZF reminded us that the Brat Fry will be on May 31 and June 1. We need to update pricing.

Jim Balthazor K9AIX asked if now that the Hwy 23 construction is proceeding will we have to move the repeater location? Probably not as they are not going to put an overpass at UU and 23 at this time.

There was a question of will the truck be ready for the Brat Fry. We will have to ask Dave N9WQ to start it up. Peter Fox KB9WZD mentioned that he will not be driving the truck anymore and that he is turning in his keys.

Paul Bleuel KC9NA mentioned last year that he could drive the truck. He will have to be added to the insurance.

Cully Kowal KS0D mentioned that our field day location (at the north UW parking lot) doesn't seem to have much public exposure and maybe we should have a different location. This would mean that we would need more overnight security. Other sites would be the fairgrounds or lakeside park. Maybe after this year's field day maybe we should look around.

Testing was held April 13 room O104

Adjournment

A motion was made to adjourn by Jim Balthazor K9AIX. The motion was seconded by Cully Kowal KS0D. The motion carried unanimously via a voice vote and the meeting was adjourned at 7:32pm.



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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>

FARC - Dave Sumner K1ZZ, Secretary of the IARU (1/14/19) <https://youtu.be/fVzhzhUpYlw>

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



FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

VOLUME 20 ISSUE 5

www.fdlhams.com May, 2019



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

NOTICES/ANNOUNCEMENTS

HAM Testing Session

The Volunteer Examiners of the Fond du Lac club held the last of the Winter testing sessions on April 13, 2019. The downside is that if you missed it and were intending to take an exam you will have to wait till the Fall dates roll around (the first is on October 12, 2019). On the positive side, this gives you plenty of time to prepare to upgrade your ticket. If you have questions or want to reserve a spot (note: reservations are not required but do help us to be aware of how many may be coming) 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.





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Free, For Sale or Wanted

Upcoming HAMFESTS and Conventions From ARRL

Hamfests

05/04/2019 | Ozaukee Radio Club 41st Annual Spring Swapfest

Location: Cedarburg, WI

Type: ARRL Hamfest

Sponsor: Ozaukee Radio Club

Website: <http://www.ozaukeeradioclub.org/downloads/spring-swapfest/2019-ORCSpring.pdf>

[Learn More](#)



07/06/2019 | South Milwaukee Amateur Radio Club

Location: Oak Creek, WI

Type: ARRL Hamfest

Sponsor: South Milwaukee Amateur Radio Club

Website: <http://www.qsl.net/wa9txe>

[Learn More](#)



07/20/2019 | Chippewa Valley Tailgate Swap Fest

Location: Chippewa Falls, WI

Type: ARRL Hamfest

Sponsor: Chippewa Valley Amateur Radio Club, inc. W9CVA

Website: <http://w9cva.org/tailgate>

[Learn More](#)





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2019 CALENDAR

Jan. 14, 2019

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

Feb. 11, 2019

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

Feb. 16, 2019

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



Mar. 9 & 10, 2019

Wisconsin QSO Party



Mar. 11, 2019

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

Apr. 8, 2019

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

Apr. 13, 2019

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



May 13, 2019

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

May 17—19, 2019

Dayton HAMFEST



May 31, 2019—June 1, 2019

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 10, 2019

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

June 7—9, 2019

Walleye Weekend. Contact Joe Scheibinger K8VY

June 22 & 23, 2019

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



July 8, 2019

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

July 21, 2019

RMC Triathlon



Aug. 12, 2019

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

Aug. 25, 2019

Race the Lake

August 23-24, 2019

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. 9, 2019

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

Sept. 20—22, 2019

Fox Cities Marathon



Oct. 8, 2019

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

Oct. 12, 2019

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



Nov., 11 2019

FDLARC Monthly Meeting, 7:00 pm, MPTC A-112.
Election of 2019 Officers

Dec. TBD, 2019

FdL Parade of Lights, 4:00, Downtown



Dec. 8, 2019

FDLARC Holiday Party: Jim and Lind's Contact Buddy Larson KC9UVJ



Dec. 14, 2019

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

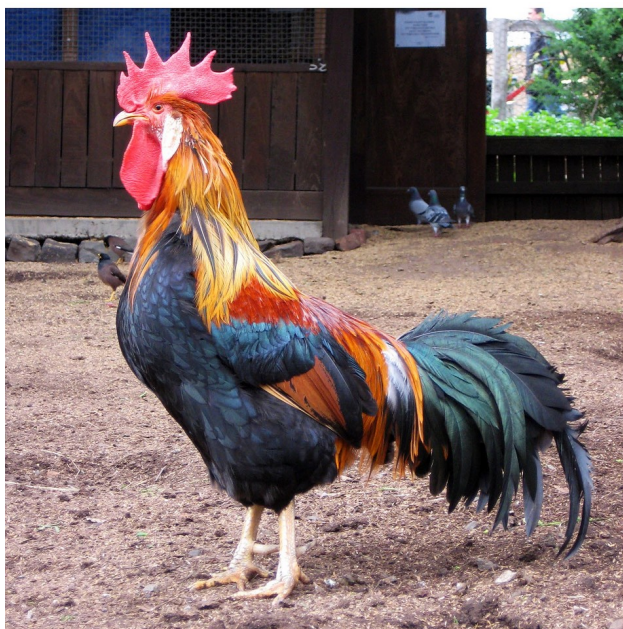




Join Us On Sunday Evenings For Our Weekly Net — 1930 hrs. 145.430 MHz — Tone 97.4 Hz

| First | Last | Call Sign |
|----------|----------------|-----------|
| Annika | Kreis | |
| Barbara | Simon | W9MER |
| Ben | Haack | KD9LVQ |
| 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 |
| Donald | Bakke | KD0HCW |
| Donna | Blend | KC9TFN |
| Dot | Olig | K9FDL |
| Doug | Murray | KC9ZVT |
| Doug | Wagner | KC0RNS |
| Doug | Schultz | N9EZF |
| Ed | Beltz | N9PJQ |
| Ed | Sipple | W9VYO |
| Ed | Steinfeld | KB1ZJK |
| Fernando | Salazar | KC9ZVX |
| Gene | Olig | KD9ZP |
| Gene | Peterson | KD9IAG |
| Gerry | Radtke | WA9GON |
| Gregory | Schmude | KD9EHB |
| Isaac | Lundberg | KD9FPG |
| Jack | Heil | KG9IN |
| James | Scovronski | N9WAM |
| Jeremiah | Alderden | KC9SGL |
| 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-Beltz | KC9YQS |
| Lloyd | Vandervort | 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 | KC9LFN |
| Paul | Bleuel | KC9NAA |

CLUB ROOSTER



| | | |
|----------|-----------|--------|
| 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 |
| Steve | Smith | W9GPI |
| Ted | Gustavus | KD9IAH |
| Ted | Neuburg | W9LUQ |
| Ted | Willett | W9NHE |
| Timothy | Braun | W9AAV |
| Todd | Beay | AC9EX |
| Tom | Karrmann | KC9VZY |
| Tom | Murray | N0HOR |
| Tom | Powell | KC9VXR |
| Tony | Pass | KC9QYR |
| Walter | Rueger | KC9WQ |
| Walter | Drees | KD9JAD |

| | | |
|----------|------------|--------|
| Paul | Tvrdy | N9KLK |
| Ed | Beltz | N9PJQ |
| Lloyd | Vandervort | N9RPU |
| Michelle | Lawrence | N9RQL |
| Mike | Lawrence | N9UA |
| James | Scovronski | N9WAM |
| Jim | Cole | N9WAP |
| David | McCumber | N9WQ |
| Rick | Robinson | NI9Z |
| Timothy | Braun | W9AAV |
| Steve | Smith | W9GPI |
| Ted | Neuburg | W9LUQ |
| Barbara | Simon | W9MER |
| Ted | Willett | W9NHE |
| Ed | Sipple | W9VYO |
| Gerry | Radtke | WA9GON |
| Mark | Forss | WD9CYM |
| Dave | Witt | WD9W |
| Annika | Kreis | |
| Debra | Florian | |
| Laura | Yates | |
| Lorelei | Kreis | |
| Scott | Kreis | |

| First | Last | Call Sign |
|----------|----------------|-----------|
| Kyle | Ruesch | AB9AX |
| 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 | 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 | KC9LFN |
| Brian | Turkiewicz | KC9LFR |
| Joe | Lauber | KC9MDY |
| Randy | Nelson | KC9MYG |
| Paul | Bleuel | KC9NAA |
| Brad | Freund | KC9QYP |
| Tony | Pass | KC9QYR |
| Larry | Mielke | KC9RUE |
| Jeremiah | Alderden | KC9SGL |
| Donna | Blend | KC9TFN |
| Dean | Choate | KC9TGM |
| Buddy | Larson | KC9UVJ |
| Tom | Powell | KC9VXR |
| Blend | Bowen | KC9VXV |
| Tom | Karrmann | KC9VZY |
| Walter | Rueger | KC9WQ |
| Laurie | Winchell-Beltz | KC9YQS |
| Ron | Keller | KC9YVL |
| Doug | Murray | KC9ZVT |
| Dick | Finn | KC9ZVW |
| Fernando | Salazar | KC9ZVX |
| Donald | Bakke | KD0HCW |
| 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 |
| Ben | Haack | KD9LVQ |
| Gene | Olig | KD9ZP |
| Mike | Keyes | KE7ES |
| Jack | Heil | KG9IN |
| Cully | Kowal | KS0D |
| Tom | Murray | N0HOR |
| Reinholt | Aschmotat | N8VDH |
| Doug | Schultz | N9EZF |
| Paul | Tvrdy | N9KLK |

NAME
SORT

CALL
SORT