FOND DU LAC AMATEUR RADIO CLUB

— FDL 73 —

VOLUME 19 ISSUE 8 www.fdlhams.com August, 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:	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

Dot Olig

I received a call Thursday afternoon from Jack Heil KG9IN to let me know that Dot Olig, Gene Olig's KD9ZP wife, has had a stroke and is now in St Agnes Hospital, Jack had very little information but did say it will be some time before she is allowed phone calls and visitors. A get well card would certainly be nice to let her know you are thinking of her. Even more important, please remember Dot in your prayers.

Member Lists and Mailing Lists

There was a short discussion at last month's meeting relating to how many members we have. Turns out the correct number is 41 but the list on the back page of the newsletter shows considerably more. The newsletter mailing list is larger still. The mailing list for the club directory is larger still. The following was decided:

1. The list in the back of the newsletter will contain only those who are current dues paying members (basically the group of 41). Check this list — if your name is not there, that means Doug Schultz N9EZF has not received your dues. Don't send me an email on this. Talk to Doug!
2. The club directory will only be sent out to current dues paying members. This will help maintain the privacy of our members address and phone information.
3. As there is no cost to sending out the newsletter by email, it will continue to go out to the complete list (members, past members, newsletter contributors, friends, etc.
4. Obviously, only current dues paying members will be allowed to vote at the meetings.

Next Meeting

When: Aug. 13 2018 at 7:00 pm

Where: Moraine Park Technical College, Room A-112

Program: Installing Ham Radio Equipment Into Automobiles

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Kevin Quick N9NAQ to Speak at the FARC Meeting in August

Many of you have asked about getting a professional auto installer as a guest for our chapter meetings. On Monday, August 13th, we will be hosting Kevin Quick N9NAQ to answer all your questions about installing ham radio equipment into automobiles and trucks. Many thanks go to Dave McCumber for asking Kevin to come and speak.

If you have a modern automobile or truck, it's not as easy to install Ham radio equipment as it was back in the day of points and condensers! There are many things to take into consideration, like how does the RF effect the onboard computers? How will the installation effect my air bags? How do you get rid of RF interference from the vehicle that can be extensive especially from the hash being transmitted from the computers. Even the electric fuel pump puts out interference!

To show you how big of a problem it is, here is a paragraph off the Ford website:

Radio Frequency Interference . Anyone using a ham radio or C.B. in their Explorer has most likely heard the effects of RFI. The interference sounds like a high ambient noise level and the receiver possibly shows many S-units of signal strength even when there is no one transmitting. The in-tank mounted electric fuel pump is the source of this problem. Fortunately Ford has a fix for this problem which is covered under the original warranty. If the truck is out of warranty you can get the parts and do the job yourself or have it performed at a shop. The Service Bulletin that covers this problem is # 9117-5. The part you need is a Filter Kit, Ford Part # E7PZ9B357A. Although the addition of the filter did cure about 90% of the problem some interference is still noticeable on a few of the Ham Radio bands. Even so, it sure sounds much better than before the fix.

So do you power your radio from the cigarette lighter? If you are pulling less than 10 amps in transmit that might not be a bad idea. Maybe you should connect it right to the battery directly! Some cars shut down the cigarette lighter when you turn off the key. If you own a newer fuel injected car with an onboard computer you need to seek a professional. Now is the time to write down all your questions for Kevin and ask him at the next meeting.

Race the Lake Call for Volunteers

The Race the Lake event is still in dire need of volunteers, we have a shortage of nine volunteer positions to fill to enable us to cover the course. If you have time available on August 26 please let me know (Call or email me so we can get you on the volunteer list.

Thank you for your consideration and seriously consider giving of your time for a good cause.
Sincerely,

Todd Beay, AC9EX
ARES Emergency Coordinator in Fond Du Lac County
AC9EX@dotnet.com
920-979-4582

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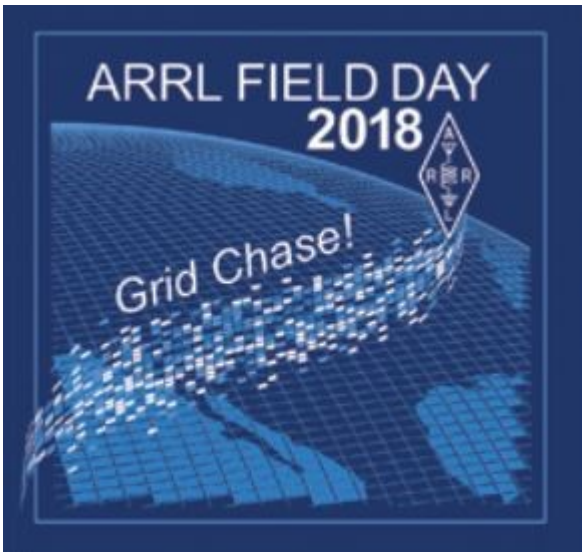
FIELD DAY REPORT
By Jack Heil KG9IN

CONGRATULATIONS! Another successful club event!

Our club emphasis the last couple of years has been increasing members' skills related to Field Day (FD). Thus, some of our best operators spent little time on-the-air; those with little experience were given priority. Still, we did well on points. Contacts: CW-304; Digital-95; Phone-179. Add 890 bonus points for a total of 2844. This is slightly less than last year's total of 2928. The bands were a problem both years.

It is dangerous to identify individual efforts. But, omitting the fear that I will omit a key player and be removed from their Christmas list, I feel that outstanding effort in different areas demands recognition even if is too briefly. Joe: Great publicity; even Governor Walker responded! Buddy: Terrific job with the logging, both during and afterward. Peter: Great effort from Friday through delivery of materials to my house on Monday and all the setup of antennas, tents, etc. Dawn, Dennis, and Brad: Thank you for the use of trailers. Those of us who remember renting army tents from FDL Tent and Awning and the work, discomfort, and bugs really, really appreciate what we enjoyed at FD. Lloyd, Doug, and Rick oversaw the three transceivers, plus. Rick, kudos for running CW classes the last two years. It paid off; CW beat the Phone group. Dick: For sending FD info and a photo record. Marj and Dennis: No one went away hungry. Isaac and Derrick: Did you two make all those contacts? Justin: We needed those strong arms! Finally, Dawn and Paul: Your overseeing operations and time-on-task is greatly appreciated.



The efforts of the many others that contributed is also greatly appreciated.

Changes for next year: We could have used more help during set-up and tear-down, but not bad. Some easy bonus points were not collected. In particular, "points" associated with message handling were not collected. Most club members have never sent or received a formal message. I will push for us to have an after-meeting program to practice this important communication skill. Also, one or two members should be assigned message handling as their responsibility for FD. What other changes would make the FD more enjoyable and educationally worth our time and effort? Please be vocal.

Respectfully Submitted, Jack Heil KG9IN

Second and Final Brat Fry of 2018

Our second (and final) Brat Fry for the year will be held at the Country Corners Exxon Station, Hwy 67 and Hwy 41 in Lomira from 8;00am to 5:00pm on August 24th and 24th. The two Brat Fry's are our only fund raising vehicle so it is important that we get a good turnout of volunteers to help with the setup, grilling, selling and finally the cleanup. Contact Doug Schultz N9EZF to get your name on the list of helpers.

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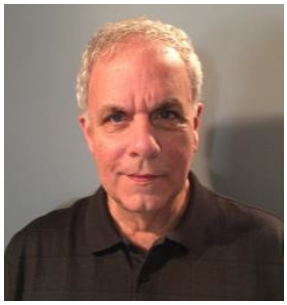
Vintage Amateur Radios
de: Bill Shadid (W9MXQ)



The new age of ham radio that began with the Collins S-Line (including the KWM-2) was not to go on forever as a Collins only domain. In 1961, the competition began to step up to the challenge. Bill Halligan, W9AC (now re-assigned), led his successful amateur radio manufacturing company, the Hallicrafters Company, into the lighter weight, desktop world with the introduction of the ultimately very successful SR-150 HF SSB/CW Transceiver. For your reference, here is the Hallicrafters SR-150 Station that is in frequent operation at W9MXQ . . .

Hallicrafters SR-150 Transceiver and HA-1 'TO Keyer
Shown with Hallicrafters PS-150-120 AC Power Supply/Speaker
Also, Turner 254C Microphone and Vibroplex VibroKeyer (non-Iambic) Key
(W9MXQ Shack Photo)

Not to be a too much of a "me too" radio, Hallicrafters took the concept of the Collins KWM-2 and made significant changes in design to make the SR-150 a step in a somewhat different direction.

The SR-150 did not use traditional transmitting tubes, such as the popular RCA 6146 tetrode of the day. Indeed, Hallicrafters was, however, using the RCA 6146 tubes in their popular HT-32 Series and HT-37 desktop transmitters. The SR-150 final amplifier used a pair of 12DQ6B/12GW6 Tetrodes originally designed to be horizontal oscillator (sweep) tubes in television sets. Hallicrafters was perhaps the first to understand that these sweep tubes had real merit, durability, and frequency performance, in some designs, well above the HF bands. To this day, the dedicated transmitting tube vs. sweep tube argument goes on. From a cost and performance standpoint, the sweep tubes were the equal of and perhaps superior to the 6146 and its successors. This is said from the point of view of the cost and performance perspective of the manufactures. Ultimately, such very popular and market competitive products from Swan and Drake, as well as lesser volume producers such as Galaxy, National, as well as Hallicrafters itself thrived on sweep tubes and never returned to "real transmitting tubes."

Hallicrafters, in its earlier days with SSB transmitters and transceivers, was never a producer of maximum power radios. The SR-150 was no exception with its 150 watts PEP input power and a resulting 80 watts PEP output. CW was rated at 125 watts input with an output of 65 to 70 watts. The receiver was not only very competitive, its dual conversion design was (and remains) one of the quietest designs on the market. To this day the SR-150 in my shack provides an eerily quiet receiver that on a dead band makes one wonder if it is working. But, working it is – when a signal is present it is every bit as sensitive as my Collins 75S-3B, Collins KWM-2A, or Hallicrafters SX-117 from the same era. A similarly quiet receiver design, the Drake R-4C, is not a match for the sound from the SR-150. Experience it if you can.

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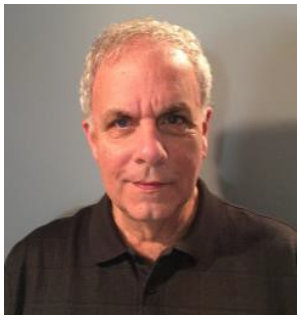
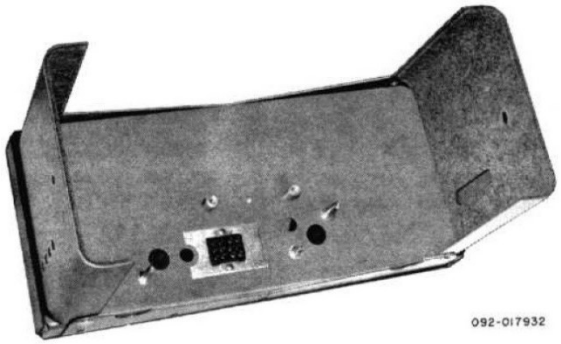


. The identified competition, the Collins KWM-2, had significant, if not terminal issues with CW operators that were improved over the years but never fully corrected unless the user opted for a very expensive accessory, the 312B-5 External VFO and Console. Collins had ignored the need to provide for a proper offset allowing a tone to be heard (to copy the other station's signal) and remove the need to keep retuning the receive frequency. Hallicrafters introduced a feature we use to this day – Receiver Incremental Tuning (RIT) that allowed a tunable offset of the receiver (only) so one could comfortably tune an SSB or CW signal. To take it another step, not only did Hallicrafters add this incredible (at the time) feature, they did so with a new technology device called a Varactor Diode. You can read about Varactors and they are not, as a device, the subject of this article – rather, their use is the subject. Suffice it to say, and very simply stated, Varactor Diodes provide an electrically variable capacitance to pull the SR-150 VFO receive frequency plus or minus about 2 kHz (2 kilocycles, back then!!).

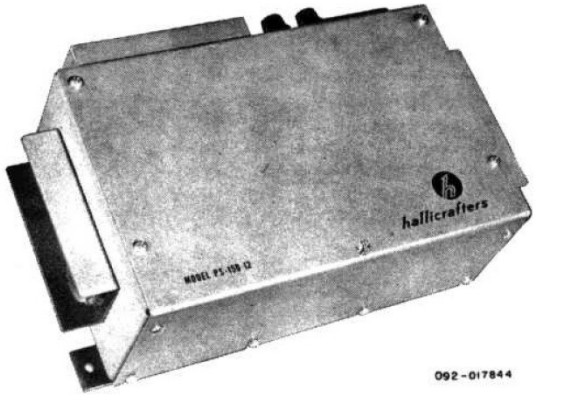
Hallicrafters followed the lead of Collins in providing no interference fighting circuitry on the SR-150. That was followed later with reasonable features on Hallicrafters competition for the Collins S-Line, the transceive capable separate Receiver and Transmitter and Linear Amplifier setup – the SX-117, HT-44, and HT-45, respectively. Those items are the subject of a future article – perhaps next month.

The SR-150 was offered with a variety of accessories to adapt it to home or mobile use. (All accessory pictures are from the Hallicrafters SR-150 Operations Manual.)



This is the MB-150 Mobile Mounting Bracket for the SR-150 Transceiver. The sides (left and right) were padded and they would fold away (toward the back) when not in use. The bracket was designed so that sliding the SR-150 into the mount would direct all rear connectors to quick disconnect sockets in the mobile mount. No hand connection/ disconnection of wiring was required for installation.

The SR-150 Transceiver was compact for its day but not much different in size from its competitor, the Collins KWM-2. Hallicrafters and Collins tried hard in their designs to make the mobile mount as unobtrusive as possible when the radio was removed from the automobile.



This is the PS-150-12 DC Power Supply for the for the SR-150 Transceiver. This very nicely styled package was designed to be mounted in the trunk of the automobile. The power input required was nominal 12 VDC automotive electrical system power. There was no provision for 6VDC operation with this power supply so generally it required a vehicle made 1955 or later for operation.

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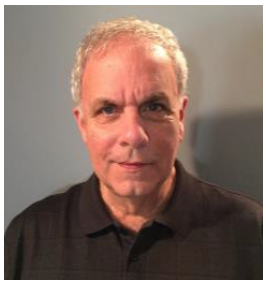

This is the PS-150-120 AC Power Supply for the for the SR-150 Transceiver (and later Hallicrafters radios). You saw this in the intro photo in this article. But, it is a rather elegant competitor to the Collins 516F-2 AC Power Supply that used two vacuum tubes. The PS-150-120 was all solid-state. The two PS-150-120 units in use at W9MXQ have shown 100% reliability over many years.

Hallicrafters used rather low plate voltages (and therefore higher current) in their radio power amplifier designs. The PS-150-12 and PS-150-120 provide 575 volts DC at about 260 mA (more current was available and used in later radios with the PS-150-120). There was also low HV (250 VDC) for lower level transmitter and receiver circuitry plus there was transmitter tube bias (-125 VDC) and filament voltage for the radio (12.6 VAC). The PS-150-120 even had provisions to easily read voltage and current on the HV line with a common Volt-Ohm-Meter (VOM).

One great feature of similar vintage Hallicrafters transmitters (and the transmitter within their transceivers) was ultra-simple tuning of the tank circuity. While many radios had a relative long procedure of tuning the grid for proper grid drive while adjusting Tune and Load controls for proper plate current to get rated power. Hallicrafters capitalized on the fact that many hams were using commercially available or homebrew beam, vertical, and wire antennas that had a fixed impedance of 50-75 ohms. So, load became fixed at 50-75 ohms (with the resulting removal of the Load control from the radio). Tuning the SR-150 (or the HT-37, HT-32, and later HT-44 Transmitters) involved the use of an output meter peaked by the Preselector (Grid) and the Output (Tune) controls. No loading and “dipping” of the plate current meter on the competition’s radios. Tuning a Hallicrafters transmitter was virtually instantaneous when compared to the competition. Obviously, other antenna designs and impedances required an external antenna matching unit. The E. F. Johnson “Matchbox” tuners were popular for such applications in those days.

In closing, I must say that this radio is a favorite of mine. The entire Hallicrafters line into the 1970’s was, in my opinion, some of the finest, best performing, and long term dependable radios marketed to the ham radio community at a competitive price. And, returning to my previous comments on “Desk Presence,” Hallicrafters comes very close to Collins. The SR-150 Transceiver is difficult to find today with good appearance and operating condition. Most I see advertised are not working or have appearance issues. But, the most important trait in vintage radio collecting is patience in the search process. My SR-150 came from an estate perhaps five years ago. I am only the second owner of this radio.

And one more thing in this month’s installment . . .

I would be remiss in not mentioning another Hallicrafters early SSB Transceiver that was introduced ahead of the Collins KWM-2, and more in keeping with the introduction of the original Collins S-Line. That would be the very advanced Hallicrafters FPM-200 HF SSB/CW/AM Transceiver that was produced more as an engineering exercise than a viable product, as it turned out. It was just too far ahead of its time

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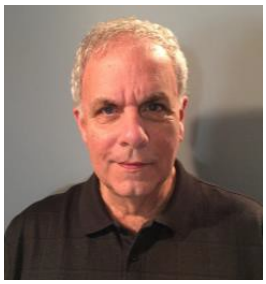

This FPM-200 is owned by fellow collector, W8ZR. These radios were never fully marketed, and it is felt that fewer than 200 of them were made and sold – less exist today. Hallicrafters sponsored DX-Peditions and other events with the FPM-200. There were even some events in cooperation with the United States Air Force with FPM-200 equipped cross-country flights.

Perhaps more details on the FPM-200 can be in a future article. It was almost unbelievable as a solid-state radio in a vacuum tube world. It had dual VFO's and a high concentration of printed circuit board assembly. The only vacuum tubes were two 6146's in the Final Amplifier, a 12BY7A Driver, and two OB2 Voltage Regulators. This radio's finals produced about 70 watts SSB PEP output and about 45 watts on CW. Today these radios would be hard, if not impossible, to maintain with their high population of unobtainable Germanium transistors. Like the Germanium transistor equipped National HRO-500 Receiver in my radio collection, some of these radios are best displayed and perhaps rarely used!

A special thanks to Bob, W9DYQ, and Gary, K9DJT, for their help in proof-reading this article.

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Get your free copy of *A Field Guide to Simple HF Dipoles* by Dan Romanchik, KB6NU

A link to *A Field Guide to Simple HF Dipoles* (http://www.dtic.mil/dtic/tr/fulltext/u2/684938.pdf) was posted to reddit recently, and I liked this document so much that I thought I would share it with you. It was originally written for the military, but is now available for free from the Defense Technical Information Center.

The preface to this document reads:

> "Under project Agile, Stanford Research Institute has supplied several teams to assist operating personnel in improving the performance of field radio networks. In this work, it has been observed that U.S. military and civilian antenna manuals often contain misleading information regarding the operation of field antennas and tend to be overly complex. Consequently, this guide has been prepared to assist in training personnel concerned with the construction of simple HF antennas in the field."

I must say that *A Field Guide to Simple HF Dipoles* does this very well. It not only explains how dipole antennas work, it also does a very good job of describing the basics of radio waves and propagation. And it does this without getting overly technical.

For example, below is Figure 10. It's used to describe current flow in a dipole antenna.

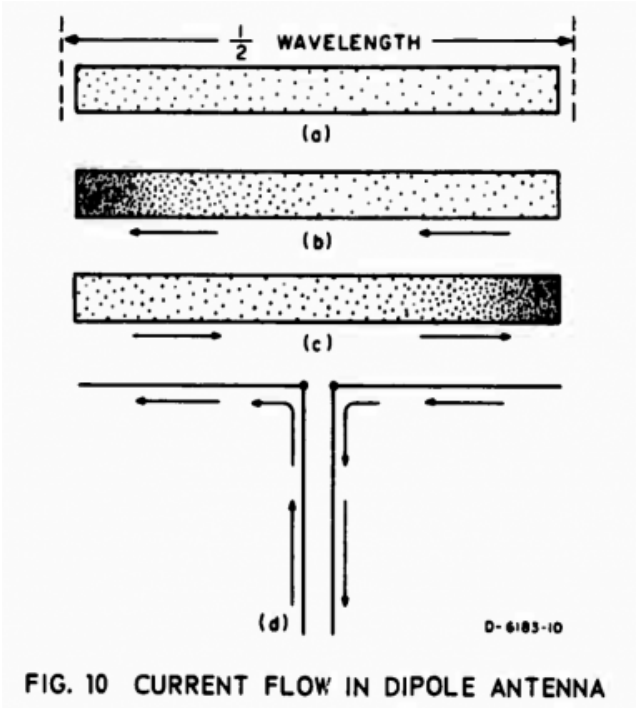

FIG. 10 CURRENT FLOW IN DIPOLE ANTENNA

The *Field Guide* reads:

> "Electric current in a conductor consists of the flow of small particles called electrons. Figure 10(a) represents a dipole with electrons in it. When the transmitter is turned off, the electrons distribute themselves evenly throughout the dipole, as shown. All electrons repel each other and try to get as far from each other as possible; that is how they achieve the uniform distribution show in Figure 10(a). When the transmitter is turned on, the electrons flow back and forth from end to end as shown in Figures 10(b) and 10(c). First the electrons flow to the left and crowded at one end as shown in Figure 10(b). Second, since the electrons repel each other, the push off to the right and get crowded together at the other end, as in Figure 10(c)."

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It then uses this description to talk about voltage and current distribution along a dipole antenna:

> "The difference between voltage (volts) and current (amperes) in a dipole is also illustrated by Figs. 10(b) and 10(c). You can see that the maximum flow of current is going to be in the middle of the dipole. An observer at the center of the dipole would see the electrons rush past, first one way and then the other. The center is the maximum current point. Very little current flows near the end of the dipole; in fact, at the extreme ends there is no current at all for there is no place for it to go. However, at the ends of the dipole, there is a great change of voltage; when the electrons are densely packed, this represents a negative voltages, and when there is a scarcity of electrons, it represents a positive voltage. Thus you can see that the voltage at each end swings alternately positive and and negative. An end of the dipole is a maximum voltage point."

A Field Guide to Simple HF Dipoles is packed with all kinds of goodies like this. Download it (http://www.dtic.mil/dtic/tr/fulltext/u2/684938.pdf) right now.

When he's not building dipoles or teaching ham radio classes, Dan blogs about amateur radio, writes exam study guides (www.kb6nu.com/study-guides), and operates CW on the HF bands. Look for him on 30m, 40m, and 80m. You can email him about your experiences with simple HF dipoles at cwgeek@kb6nu.com.

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MEETING MINUTES

FOND DU LAC AMATEUR RADIO CLUB
Minutes of FDLARC Monthly Meeting
Monday, June 9, 2018

Call to Order

The meeting was called to order at 7:00 pm. With Dave McCumber N9WQ (President) presiding.

Introductions

All attendees introduced themselves.

Program: none

Discussion on missing names in the club published Rooster. It was decided to include everyone that gets the newsletter and then all the paid members.

Approval of Meeting Minutes

A motion was made by Lloyd Vandervort N9RPU to approve the minutes of the last meeting as published in the newsletter. The motion was seconded by Joe Scheibinger K9VY. The motion carried unanimously via a voice vote.

Treasurer's report

The Treasurers Report was presented by Doug Schultz N9EZF.

There is a bill of $100.23 for field day porta-potty rental. A motion to approve the bill was made by Jack Heil KG9IN and seconded by

A motion to approve the Treasurers Report was made by Jack Heil KG9IN and seconded by Dick Finn KC9ZVW.The motion carried unanimously via a voice vote.

Truck Fund	0.00
Emerg. Services Fund	1,479.98
General Use Fund	4,868.02
Savings Account	25.00
Petty Cash Fund	19.12
Total	6,392.12
Repeater Fund	229.92

Old Business

BRAT FRY: The weather was perfect and we had the best amount of volunteers this time. The next brat fry will be Aug 24 – 25.

Constitution: The vote on updating our constitution and by laws has passed with 73% approving. Secretary Lloyd Vandervort N9RPU will reformat this to be in the same manor as the original.

Testing: Oct 13

Dave McCumber N9WQ was telling the trials of failures with his race truck.

Field Day: Field day went well. The weather was hot but good and the food, supplied by Dennis Paulin KB9OFM, Doug and Marge Heil KC9BEM was superb. Jack Heil KG9IN mentioned that he may have converted Isaac and Derek to SSB.

Dave McCumber N9WQ Mentioned that Gene Olig KD9ZP and His wife Dot Olig K9FDL are in an assisted living home ' Lakeview on Luco rd.

Dave Witt WD9W is at one near Aurora.

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MEETING MINUTES

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New Business

Joe Scheibinger K9VY brought up the question if there is any question in becoming a 01C3 ?

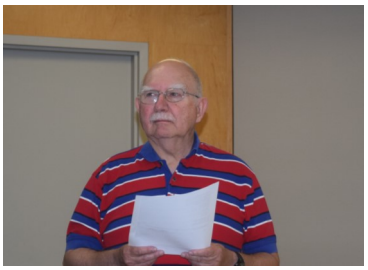
Dave McCumber N9WQ said that he was thinking of getting a trailer to store extra "stuff " at his shop and that there may be extra space for the club to use.

Joe Scheibinger K9VY mentioned that he would like the club to have a location that we could set up a club station so that members that are not able to put up a home station could operate. Dave McCumber N9WQ said that if we obtain some property for this we will need more income and help for upkeep or Doug will need to have more brat frys to pay for it. Joe Scheibinger K9VY mentioned that we could approach the YMCA , or the Boys Club. Jack Heil KG9IN said that he already contacted the Boys Club and the Children's Museum and that they are interested. He also said that the library has a recording studio in the basement. The first thing would be is for us to become a 501c3 so we could obtain some support. Jack Heil KG9IN moved to let Joe Scheibinger K9VY to proceed with application for a 501c3 All approved.

Field day report :

Jack Heil KG9IN mentioned that field day used to be much smaller, the club had only 20 members at that time. This time it was well organized but there were a few more things more we could do for more bonus points.

Dave McCumber N9WQ mentioned there are many "traffic nets" that pass messages all day long ,this is something that we should investigate.



Jack Heil KG9IN mentioned that it seems that Peter Fox Kb9WZD seems to be doing almost all the work setting up and taking down , we need to spread out all the work !!

cw 300 ssb 189 digital 90

The total multipliers plus bonus points were 2780

Peter Fox Kb9WZD would to have something to store all the brat fry stuff instead of using the van.

Adjournment

A motion was made to adjourn by Tom Powell KC9VXR. The motion was seconded by. Joe Scheibinger K9VY. The motion carried unanimously via a voice vote and the meeting was adjourned at 8:02 pm.

Raffle # 554913 Joe Scheibinger K9VY

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— FDL 73 —

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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://yo utu.be/UK1A47pNKyo

FARC - Bob Heil Ham Radio Presentation https://youtu.be/t3Ueh9lN5_U

FARC - WWV Presentation https://youtu.be/w3-DP9DEv_U

FARC - Pacific Antenna Talks Kit Building https://youtu.be/SBreL2Ylsn0

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/3I352v4gYdw

Code Classes

Rick Robinson NI9Z is continuing to train our members in using code. I started working wiith 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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Free, For Sale or Wanted

Upcoming HAMFESTS and Conventions From ARRL

08/04/2018 | Riverland ARC Swapfest

Location: Onalaska, WI
Type: ARRL Hamfest
Sponsor: Riverland Amateur Radio Club
Website: http://rarc.qth.com
Learn More

08/11/2018 | Racine Megacycle Freefest

Location: Racine, WI
Type: ARRL Hamfest
Sponsor: Racine Megacycle Club
Website: http://www.w9udu.org
Learn More

08/25/2018 | Circus City Swapfest

Location: Baraboo, WI
Type: ARRL Hamfest
Sponsor: Yellow Thunder Amateur Radio Club
Website: http://yellowthunder.org
Learn More

09/08/2018 | Ozaukee RC's 13th Annual Regional Fall Swapfest

Location: Cedarburg, WI
Type: ARRL Hamfest
Sponsor: Ozaukee Radio Club
Website: http://www.ozaukeeradioclub.org
Learn More

09/28/2018 | Wisconsin State Convention (Ham Radio Outlet Superfest 2018)

Location: Milwaukee, WI
Type: ARRL Convention
Sponsor: Ham Radio Outlet
Website: http://hamradio.com
Learn More

10/13/2018 | Wisconsin ARES/RACES Conference

Location: Wisconsin Rapids, WI
Type: ARRL Convention
Sponsor: WeComm, Ltd.
Website: http://wi-aresraces.org
Learn More

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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 Buddy Larson KC9UVJ

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FDL ARC ROOSTER

Name Sort

Call Sort

Barbara	Simon	W9MER
Brad	Freund	KC9QYP
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
Matthew	Zimmerman *	KD9KTY
Michelle	Lawrence	N9RQL
Mike	Lawrence	N9UA
Neal	Buck	KC9LFN
Paul	Bleuel	KC9NAA
Peter	Fox	KB9WZD
Ray	Grenier	K9KHW
Reinholt	Aschmotat	N8VDH
Rick	Robinson	NI9Z
Ron	Keller	KC9YVL

Stan	Cram	AI0M
Steve	Smith	W9GPI
Ted	Gustavus	KD9IAH
Ted	Neuburg	W9LUQ
Ted	Willett	W9NHE
Timothy	Braun	W9AAV
Todd	Beay	AC9EX
Tom	Murray	N0HOR
Tom	Karrmann	KC9VZY
Tom	Powell	KC9VXR
Tony	Pass	KC9QYR
Walter	Drees	KD9JAD

Lloyd	Vandervoort	N9RPU
Michelle	Lawrence	N9RQL
Mike	Lawrence	N9UA
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	

Kyle	Ruesch	AB9AX
Todd	Beay	AC9EX
Stan	Cram	AI0M
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
Brad	Freund	KC9QYP
Tony	Pass	KC9QYR
Larry	Mielke	KC9RUE
Buddy	Larson	KC9UVJ
Tom	Powell	KC9VXR
Tom	Karrmann	KC9VZY
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
Matthew	Zimmerman *	KD9KTY
Gene	Olig *	KD9ZP
Jack	Heil	KG9IN
Cully	Kowal	KS0D
Tom	Murray	N0HOR
Reinholt	Aschmotat	N8VDH
Doug	Schultz	N9EZF
Ed	Beltz	N9PJQ