



FOND DU LAC AMATEUR RADIO CLUB

NEWSLETTER



VOLUME 16 ISSUE 6

www.fdlhams.org June, 2015

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

2015 Club Officers

President: Donald Larson KC9UVJ

Vice-President: Tom Powell, KC9VXR,

Secretary: Lloyd Vandervort N9RPU

Treasurer: Doug Schultz N9EZP

Sergeant-at-Arms: Ron Keller, KC9YVL

Board Member: Dave McCumber N9WQ

Board Member: Stan Cram A10M

Board Member: Larry Mielke KC9RUE

Committee Chairs

Contesting: Randy Gruenwald KB9KEG

Education/Scholarship: Jack Heil KG9IN

Field Day: Gruenwald KB9KEG, Heil KG9IN

Fund Raising: Open

Net Manager: Doug Schultz N9EZP

Newsletter: Dick Finn KC9ZVW
rfinn5@hotmail.com

Public Service: Ed Beltz N9PJQ

Publicity/Program: Joe Scheibinger K9VY

Repeater: Lloyd Vandervort N9RPU

Testing: Doug Schultz N9EZP

Truck: Brad Freund KC9QYP

TVI: Lloyd Vandervort N9RPU

Web Site: Steve Smith W9GPI

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

Ray Novak from Icom Radio Guest Speaker at FDL Ham Radio Club Meeting:



The Fond du Lac Amateur Radio Club will be holding their next meeting on Monday June 8th, at 7:00 PM at the Moraine Park Technical College in Fond du Lac. This meeting will be held in room A112, which is the World Link room on the Fond du Lac Moraine Park campus. Our guest speaker for the event will be Ray Novak, division Manager for Icom America.

Ray began his career in 1988 at MFJ Enterprises as an electronics technician after graduating from Northeast Mississippi Community College. From there he moved into international sales, later adding domestic sales to his role as sales manager. He credits Martin Jue, founder of MFJ, as an early career mentor and coach.



Ray Novak from Icom Radio

He joined Icom America in 1994 starting in technical support, moving to district sales manager in 1995, national sales manager in 1999, and division manager in 2002 – where he is responsible for all amateur radio and receiver sales. He credits his advancement to hard work, street smarts, coaching & guidance from his colleagues Hiro Nakaoka, president; Bob Carery, retired vice president; and Chris Lougee, vice president.

Continued on Page 2

Next Meeting

When: June 8, 2015 at 7:00 pm

Where: Moraine Park Technical College,
Room A112

Program: Icom Radio





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Ray Novak from Icom Radio Guest Speaker at FDL Ham Radio Club Meeting (cont.):



Throughout his 25 years in the amateur radio industry he has been an innovator and leader. Through his and Icom America's support of countless Hamfests, Contest Universities, Ham Nation, AmateurLogic.tv, and Scouting, to name just a few, he has served to significantly advance amateur radio across the country and around the world.

Ray is a ARRL Lifetime Member and a DXpeditioner to Mozambique and Bhutan.

Icom amateur radio products are the best in the industry. Icom products are sold in over 80 countries, and have an international sales and service network around the world, including sales subsidiaries in the US, Australia, Germany, Spain and China.

The public is invited and there is no cover charge. For more information contact Joe Scheibinger at 920-237-1450.



FDLARC Archives:



Randy Grunewald and I were talking a few weeks ago and he mentioned that a couple of the members had been sifting through what could best be described as some club archives. As I'm sure many of you know, the Fond du Lac ARC has been around for in the neighborhood of fifty years. During that time a lot of documentation must have been stashed away in file drawers and closets. Randy and I thought it would be a great project to start away in members files and closets.

We are asking that you bring your files to the next meeting. We will make copies or scan (whatever turns out to be most reasonable. We can then return the originals to you. Once we start to bring some order to the archives we can make them available on line through the web-site.

Randy turned over a large box and two briefcases of material to me at the Brat Fry. Hopefully I will have had some time to bring a bit of order to it by the July meeting so we know in general what is there.



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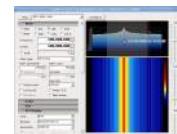
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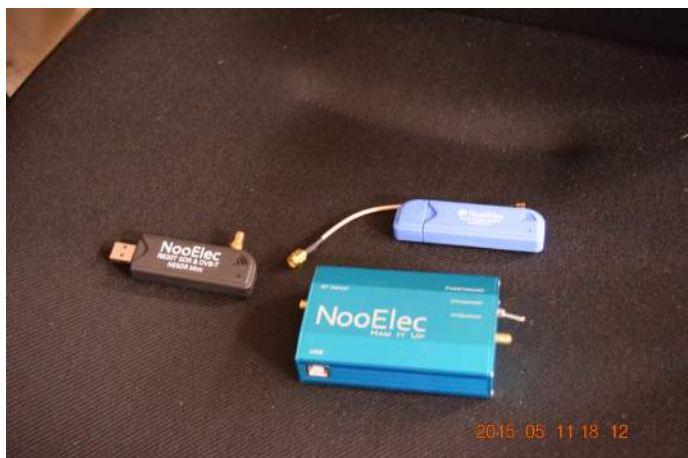
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May Meeting Program (SDR):

Jeff Crispino, CEO of NooElec was the guest speaker at our May meeting. Jeff's company designs and builds components for SDR (Software Defined Radio)



Software-defined radio (SDR) is a radio communication system where components that have been typically implemented in hardware are instead implemented by means of software on a personal computer. SDR is rapidly evolving into one of the newest waves in Ham Radio activities. All you need is a personal computer, an antenna, and about \$150 worth of hardware to build a computer operated receiver for all of the Ham radio bands!



A basic SDR system may consist of a personal computer equipped with a sound card, or other analog-to-digital converter, preceded by some form of RF front end. Significant amounts of signal processing are handed over to the computer, rather than being done in special-purpose hardware (electronic circuits). Such a design produces a radio which can receive and transmit widely different radio waveforms based solely on the software used.



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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Brat Fry Number One:

We held our first Brat Fry of the year in Lomira on Friday and Saturday (May 29 & 30, 2015). While the forecast was pretty bad with heavy rain in the picture, things turned out OK. Last year it was sunny and pretty hot. But this year was cool and breezy. All in all, it was some good weather to be working out doors.



We got a chance to try out our new grill. This one did not have a hood and was billed as being more for production style cookouts where you have to cook a large amount of meat. After some fiddling with the controls we finally got them set at a good temperature and started cooking. Naturally there were still some flame-ups but by using a lower temperature our chief cooks (Doug Schultz N8EZF and Jack Heil KG9IN) were able to keep the supply of brats, dogs and burgers flowing to the counter folks.

The numbers are not in yet but we'll keep our fingers crossed that we make a good amount.



Mike Miller KC9DOA manned the onion cutting



Jack Heil KG9IN and Doug Schultz N8EZF manned the boiling pot as the first step in cooking the Brats.



Jack Heil KG9IN led off as chief cook.



The Brat Shack ready for the first customers.



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Brat Fry Number One (cont.):



Mike Miller KC9DOA and Randy Grunewald KB9KEG apparently reminiscing about the flare-ups on the old grill we used last year.



Chuck Mahnke K9HXL, Doug Schultz N9EZF and Joe Scheibinger K9VY supervising Lloyd Vandervoort N9RPU on the grill.



Our counter team serving up the burgers and brats.



Doug Schultz N9EZF readies another patch of burgers while Mike Miller KC9DOA looks on.

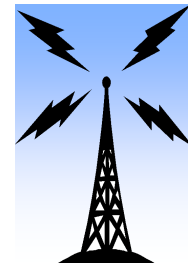


The customers line up around noon on Friday



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The following article is taken from the April, 2016 copy of the Beacon. This is the monthly newsletter for the Alger Amateur Radio Club in the Upper Peninsula of Michigan. Many thanks to the contributor.



"Best" Random Wire Antenna Lengths

Random wire lengths you should and should not use!

Updated 07-08-2013

The random wire antenna is probably one of the least expensive, easiest and cheapest HF antennas to use if you have a tuner and you want to get the "most" out of a length of "random" wire without having to pull out that calculator, doing the math, getting the center insulator built or bought, running the feedline, and all the rest that goes with putting up a more elaborate antenna. All you need for a random wire antenna is some wire, your tuner, one or more supports up as high as you can get them to string the wire from the supports to the tuner, at least one or two insulators and a little time.

One single wire, no solder connections, very simple.... all the way from the tuner to the end support. That's it in a nutshell.....or is it? Many hams have tried till they are blue in the face to install the random wire antenna that works on most; if not all of the HF bands with terrible results.

Swr usually is all over the place and the tuner will just not do it's job. You can get good loading and low swr on sometimes 2 or 3 bands, but one or more of the bands that you want, just will not cooperate with an swr that can be adjusted with the "tuner". So after much frustration..down it comes and you go on to a totally different type of antenna.....all that time just wasted in your opinion.....until now!

We recently found some good information about random wire lengths that you should and should not use. Jack, VE3EED, hopefully has solved a major headache we all have when we attempt to go thru the trial and error and frustration with getting the random wire to work where WE want it to work. He knew that in order for the tuner to "see" a fairly low swr to work within it's range, that the antenna had to be NOT A HALF WAVE ON ANY FREQUENCY that we wanted to us, because a half wave will give us a very high impedance and the resulting swr into a 50 ohm transmitter!

So Jack took most of one day, did the math with the aid of his trusty calculator, several cups of coffee and came up with.....

In Jack's own words.... "Here's the word on random-wire antennae." Presented for your consideration by Jack, VE3EED. The table below represents half wave lengths and multiples that you DO NOT WANT TO USE!

You have to stay away from a half wavelength on any frequency. Therefore, we came up with the following numbers to avoid (IN FEET):

These lengths in the table below are the culprits that cause all of the trouble when using random lengths.

Continued on Next Page

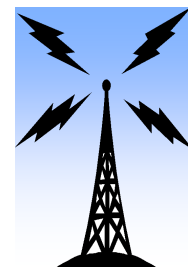


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"Best" Random Wire Antenna Lengths (cont.)

So those are the numbers above that we have to stay as far away from as possible when building a long-wire antenna. Here they are in order:

REVISED: 16 19 22 26 32 33 38 44 46 48 52 64 65 66 76 78 80 88 92 95 96 99 104 110 112 114
123 128 130 132 133 138 144 152 154 156 160 165 171 176 182 184 190 192 195 198 208 209
220 224 228 230 231 234 240 242 246 247 256 260 264 266 272 276 285 286 288 297 304 308
312 320 322 323 325 330 336 338 342 352 361 363 364 366 368 369 374 380 384 390 396 399 400 414 416
418 429 432 437 440 442 448 455 456 460 462 464 468 475 480 484 494 495 496.



Some of these numbers are too close to squeeze in between them. Here are the final numbers (in my opinion) in green below that would be good for a long-wire antenna: (You may want to make a note of them)

REVISED: 29 35.5 41 58 71 84 107 119 148 203 347 407 423

REVISION NOTE: We had a note from James, KB5YN, pointing out that one of my so-called GOOD numbers was 220 feet. That is the 10th multiple of a half wave on 15 meters. Well, I didn't think it would make any difference at that many multiples. However, the radio didn't tune up very well on 15 meters.

So, having nothing better to do one day, I re-did the calculations going out to 500 feet. That meant calculating all the way to 32 multiples of a half wave on 10 meters. I won't bore you with all that so the first portion of this still only shows up to the 4th multiple. There are so many new frequencies to stay away from, that it gets pretty tricky for the longer wires. However, the list has been revised and is good for wires as long as 500 feet.

73.... JACK, VE3EED

More on Random Wire Lengths from Mike, AB3AP (06-29-2012) Hello everyone!

I was surfing around Hamuniverse.com and found this page on random wire antennas which got me thinking. Jack, VE3EED, used center frequencies of the bands described in the article above, and I thought it would be nice to use band edges.

I wrote a small C program that does just what Jack did, but I used the band edges. Because I'm more visually oriented I then plotted the many overlapping "red zones" and ended up with the page at: <http://udel.edu/~mm/ham/randomWire/>

I plotted the results for the U.S. CW band edges for use with my 4 band Elecraft K1 qrp rig.

You will note that when comparing my results with VE3EED that some of the results are a bit different. Just an FYI that I thought you might be interested in. Mike ab3ap

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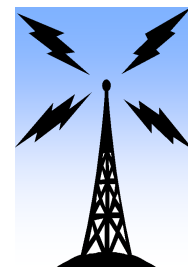
"Best" Random Wire Antenna Lengths (cont.)

Editors note: Many thanks to Jack, VE3EDD (SK) and Mike, AB3AP for sharing their math and computer skills with us. Hopefully these random wire length calculations will help us all make this "easy" antenna work better!

(Also note that here may be instances where the suggested lengths may not work exactly due to the many variables in the surroundings of the antenna, wire length variances, your tuner, it's height above ground, it's construction, etc. Just add or subtract as needed a little at a time to get the best compromise. (The numbers above are a great start, thanks to Jack and Mike!) Note that Jack, VE3EED, went SK several years ago...he will be missed.

(Also check out AB3AP'S website and say thanks for sharing his skills.

They just saved you and I loads of time and frustration. N4UJW



Q: If someone from the 1950s suddenly appeared today, what would be the most difficult thing to explain to them about life today?

A: I possess a device, in my pocket, that is capable of accessing the entirety of information known to man. I use it to look at pictures of cats and get in arguments with strangers.



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Logo Ware:

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



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

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

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



I came across this on the net—it appears more art than functional morse code key but the write up says it works great



This is another handmade unique design Morse code telegraph key by G3YUH, it is very unusual in as much as it has no base as such, the three legs on which it stands make it very stable and are part of the key itself, heavy solid brass construction, one and a half pounds of brass are used in this key! It has ball race bearings and silver Mallory contacts with an easy to adjust crush bar type knurled contact adjuster. The action is almost silent, responsive and feather-light for effortless keying.



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SIMCOM 2015

The Winnebago County Emergency Management in conjunction with Wisconsin Emergency Management (WEM) and the Wisconsin National Guard - Joint Operations Center (WI-JOC) sponsored **SIMCOM-VC 2015** at the Sunnyview Expo Center in Oshkosh, Wisconsin

It was a very interesting event this year. They focused the first day on training. We attended a Nifog (National Interoperability Field Operations Guide) session; it was conducted by the author of the NIFOG booklet Ross Merlin from the department of Homeland Security. It was very informational and went thru the booklet explaining what each section was and the frequencies and procedure's to communicate between different departments such as fire, Police, DHS and the military and Hams.

We also attended a class on WE-Sponder which is the state's electronic (Internet) emergency communication and organization tool. It is used to communicate and organize documents during an activation in the state. Sometimes the most difficult part is getting access to the system!

During the mission Dawn operated the VFH net, sending and receiving traffic from the ARES net control. Doug operated the HF station and he made contact with the Military unit on site using HF and crossband by receiving on the Military frequencies and transmitting on the Ham bands. Tom covered the E-sponder application where we reported the status of the Missions that we were given. I coordinated and setup the truck.

Dawn was originally concerned about being a new ham and was hesitant to attend, in the end I think she learned a lot and was a main part of the team. Everyone performed with a high degree of skill.

Lunch was great each day and the weather held out for the event. Overall it was a great time of learning and having the opportunity to see other communications rigs from different organizations. We learned our strengths and even a few shortcomings with the truck.

Thanks to everyone who attended, mission well done!



This is the group from the Fond du Lac ARC that attended the 2015 SIMCON event in Oshkosh. From left to right, Todd Beay AC9EX, Tom Powell KC9VXR, Doug Schultz N9EZF, Dawn Krause KD9CAW and Mike (he is with the Winnebago ARES organization), They didn't have a comm platform there this year so he worked on setting up a hammesh net for us.



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Minutes of FDLARC Monthly Meeting

Monday, May 11, 2014



Call to Order

The meeting was called to order at 7:00p by President Buddy Larson (KC9UVJ) officiating.

Introductions

All attendees introduced themselves. There were no new members.

Approval of the Minutes

A motion was made by Jack Heil (kg9in) to approve the minutes from February. Seconded by Don Chapman (kc9kzq). The Motion



carried
via a voice vote.



Treasurer's report (4/13/15)

| | |
|----------------------|--------------|
| Truck Fund | \$0.00 |
| Emerg. Services Fund | 1022.86 |
| General Use Fund | 2728.93 |
| Savings Account | 25.00 |
| Petty Cash Fund | <u>25.00</u> |
| Total | 3801.79 |

Repeater Fund 626.81

A motion to approve the Treasurer's report was made by Lloyd Vandervort (n9rpu), and seconded by Tony Pass (kc8qyr). The motion carried via a voice vote.

Bills were received for propane for the brat fry \$22.79 and truck liability and equip insurance for \$646.00. A motion to pay the bills was made by Stan Cram (a10m) and seconded by Jack Heil (kg9in). The motion carried via a voice vote.

Old Business

MS walk

The first of two Brat Frys will be on May 29 and 30 at Lomira. Your help will be appreciated

Symcom was held in Oshkosh Todd Beay (ac9ex), Doug Schultz (n9ezf) , Tom Powell (kc9vvr) and Dawn Krause (kd9caw) attended. See the article in this months newsletter for more information.



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New Business

Walleye Weekend will be June 13 & 14, The W9W call will be used again. A Motion to park the truck at the KFIZ lot again was made by Joe Scheibinger (k9vy) and seconded by Stan Cram (ai0m). The Motion carried via a voice vote.



The annual ARRL Field day will be held on June 27, 28, 2015. We will be located at the University of Wisconsin north parking lot as usual. Usually we do this as a contest but we should do it to give new hams the chance to operate and get used to hamming. Doug Schultz (n9ezf) will be in charge of phone and Rick Robinson will take care of CW. Set-up will be 8 am Saturday.

The truck needs new batteries. A motion to replace the batteries up to \$200 was made by Lloyd Vandervort (n9rup) and seconded by Jack Heil (kg9in). The Motion carried via a voice vote.

Business from the Floor

Salute the Troops Half Marathon will be held Saturday, May 23, 2015.

The Calumet county ARES can use help on June 20, 2015 for the High Cliff Triathlon. Contact kc9lfq at cmsreact@yahoo.com or by phone at 920-627-3311 by June 13th at the latest if you are able to volunteer.

Adjournment

A motion to adjourn was made. The Motion carried via a voice vote and the meeting was adjourned at 8:35 pm..





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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.



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

ELMERS

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

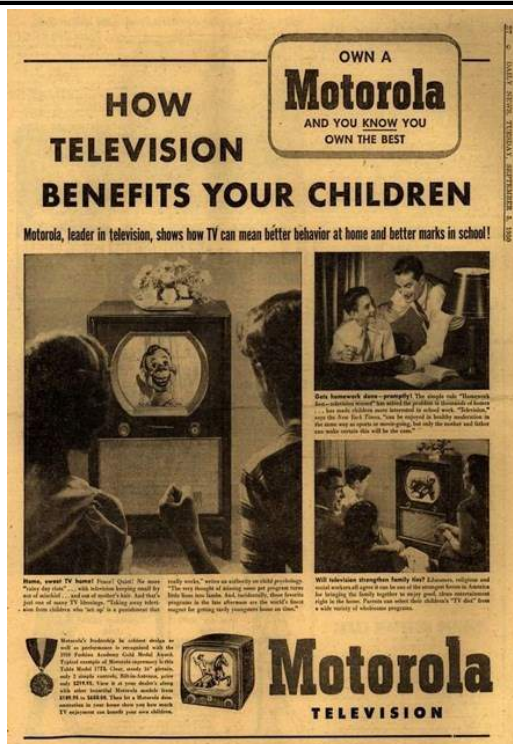
SEEKING HELP

| | |
|----------------------|------------------|
| Dawn Krause (KD9CAW) | ddkfam@yahoo.com |
| Paul M. Bleuel | 920-921-6015 |

Do you agree??

Kind of reminds me of the old commercial that nine out of ten doctors recommend Salem cigarettes.

Maybe it should say "How Radio Benefits Your Children".





Dayton Hamvention by Dan Romanchick

Dayton was a Blast this Year

A couple of weeks ago, I made my annual pilgrimage to Dayton for the 2015 Hamvention. This year, I had even more fun than in the past, and that's saying a lot.



I started Dayton 2015 on Thursday by attending the QRP-ARCI's Four Days in May (<http://www.qrparci.org/fdim/>) seminar. George Dobbs, G3RJV, gave a very nice talk that not only talked about circuits, but also the people he's met over the years and the places he's been. Paul, M0XPD, gave an interesting talk on crystal filters and using an Arduino to control a QRP rig. The final talk, by Glen, KW5GP, was also about using an Arduino to control a QRP rig. Other talks covered transmission lines and SWR and adventures in PCB making. I learned something in every single one.

That evening, I participated in Vendor's Night. I sold quite a few copies of my CW Geek's Guide to Having Fun with Morse Code and gave out quite a few "I'm a CW Geek" buttons and "Hams Obey Ohm's Law" stickers.

Friday and Saturday were all about the Hamvention. As far as new products go, there were a couple of interesting announcements. Elecraft introduced the K3S, an updated and upgraded K3 HF Transceiver, and FlexRadio introduced the Maestro, a "front end" with knobs, dials, and LCD screen for their software-driven radios. Apparently, hams like knobs and dials after all.

It seemed to me that there were more people at this year's Hamvention. There were certainly more sellers out in the flea market. And deals were to be had. I picked up a Bencher BY-1 for only \$50. I also found a Hallicrafters HA-1 T.O. Keyer (http://www.ai4fr.com/main/page_ham_radio_hallicrafters_ha1.html), which I believe to be the first commercially-available electronic keyer. Produced in the 1960s, it uses tubes to generate dots and dashes.

Dayton usually has a great lineup of forums, but aside from perhaps the TAPR forum, the Antennas forum, and maybe the ATV forum, none of them really called to me. Also, I was really busy talking to people I know, meeting readers, and trying to get the dealers to carry my books, so I didn't get to a single one.

Being the CW geek that I am, I'm hoping to hold a CW forum at next year's Hamvention. I've already contacted the forum people, and while they haven't committed to giving me time, I did get a very positive response. C U THR?

=====

When he's not attending the Dayton Hamvention, Dan, KB6NU enjoys working CW on the HF bands and teaching ham radio classes. For more information about his operating activities and his "No-Nonsense" series of amateur radio license study guides, go to KB6NU.Com or e-mail cwgeek@kb6nu.com.





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Everyone has someone in their lives



who isn't quite right in the head



THE ULTIMATE
INSPIRATION
IS THE
DEADLINE

NOLAN BUSHNELL

Generally speaking, I will be publishing the newsletter each month on the Monday before our monthly meeting. I start assembling it during the preceding week. Obviously I would like to have the material as early as possible but the deadline will have to be on that Friday.

All material submitted should be sent to Dick Finn at rfinn5@hotmail.com,

Following are the pertinent dates I'll update this table and print it in each month's newsletter):

| | Publish Date | Deadline Date |
|-------------|--------------|---------------|
| July, 2015 | 7/6/15 | 7/4/15 |
| Aug., 2015 | 8/3/15 | 8/1/15 |
| Sept., 2015 | 9/14/15 | 8/29/15 |

Code Class:

Rick Robinson will be out of town and will miss the June meeting. No code class will be held at the end of this club meeting. Please continue to study all letters you have learned. We will learn A and B, and review letters learned so far at the July meeting.

March E I Q V L

April A B S H

May TMO





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2015 FdL Ham Calendar

June

ARES Meeting Time: 10am Location: TBD



June 8, 2015

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room TBD

June 13-14, 2015

Walleye Weekend???



June 27/28, 2015

Field Day



July 13, 2015

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room TBD

July 26, 2015

RMC Triathlon

July 28, 2015

ARES Meeting Time: 10am MPTC Room O-104

Aug. 10, 2015

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room TBD

Aug 16, 2015

Race the Lake



Aug, 25, 2015

ARES Meeting Time: 10am MPTC Room O-103

August 28 & 29, 2015

Brat Fry at the Country Corners
Exxon station in Lomira



Sept. 14, 2015

FDL ARC Monthly Meeting, 7:00
pm, MPTC Room TBD

Sept. 29, 2015

ARES Meeting Time: 10am Room O-102 Moraine
Park



Oct. 10, 2015

License Exams, 9:00 am-Noon, Red
Cross Office,

Oct. 12, 2015

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room
TBD

Oct. 27, 2015

ARES Meeting Time: 10am Room O-103 Moraine
Park

Nov. 9, 2015

FDL ARC Monthly Meeting, 7:00 pm, MPTC Room
TBD

Dec. 12, 2015

License Exams, 9:00 am-Noon, Red
Cross Office



Dec. 14, 2015

ARES Meeting Time: 10am
Room O-103 Moraine Park

Dec. 6, 2015

FdL Parage of Lights, 4:00,
Downtown



Dec. xx, 2015

Christmas Party, Time
and Location TBD





FOND DU LAC AMATEUR RADIO CLUB

NEWSLETTER

VOLUME 16 ISSUE 6

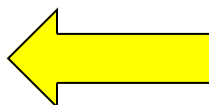
www.fdlhams.org June, 2015



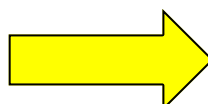
Join Us On Sunday Evenings For Our Weekly Net — 1930 hrs. 145.430 MHz — Tone 97.4 Hz

ROSTER

**Name
Sort**



**Call
Sort**



| Name | Callsign |
|--------------------|----------|
| Barbara Simon | W9MER |
| Bowen Blend | KC9VXV |
| Buddy Larson | KC9UVJ |
| Chuck Mahnke | K9HXI |
| Cully Kowal | KS0D |
| Danny Vandekolk | KC9IGD |
| David Mc Cumber | N9WQ |
| David Zittlow | K9DUI |
| Dawn Krause | KD9CAW |
| Dean Choate | KC9TGM |
| Dennis Paulin | KB9OFM |
| Dick Finn | KC9ZVW |
| Don Chapman | KC9KZQ |
| Donna Blend | KC9TFN |
| Doug Murray | KC9ZVT |
| Doug Schultz | N9EZF |
| Doug Wagner | KC0RNS |
| Ed Beltz | N9PJQ |
| Ed Steinfeld | KB1ZJK |
| Edward Frac | AA9WW |
| Fernando Salazar | KC9ZVX |
| Gerry Radtke | WA9GON |
| Jim Balthazor | KD9BTV |
| Jim Cole | N9WAP |
| Joe Lauber | KC9MDY |
| Joe Scheibinger | K9VY |
| Joyce Keyes | KC9KIJ |
| Kirk Everson | KC9FZE |
| Larry Mielke | KC9RUE |
| Lloyd Vandervort | N9RPU |
| Lori Winchel Beltz | KC9YQS |
| Louis Simon | KB9VQM |
| Marjean Buck | KC9LFI |
| Matt Nett | KD9BBN |
| Mike Keyes | KE7ES |
| Mike Miller | KC9DOA |
| Nancy Myers | K9ANA |
| Neal Buck | KC9LFN |
| Paul Bleuel | KC9NAA |
| Randy Grunewald | KB9KEG |
| Randy Nelson | KC9MYG |
| Rick Robinson | NI9Z |
| Robert Weileder | W9TKS |
| Ron Keller | KC9YVL |
| Stan Cram | AI0M |
| Ted Neuburg | W9LUQ |
| Todd Beay | AC9EX |
| Tom Powell | KC9VXR |
| Tony Pass | KC9QYR |
| Walter Rueger | KC9WQ |

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|--------------------|----------|
| Edward Frac | AA9WW |
| Todd Beay | AC9EX |
| Stan Cram | AI0M |
| Nancy Myers | K9ANA |
| David Zittlow | K9DUI |
| Chuck Mahnke | K9HXI |
| Joe Scheibinger | K9VY |
| Ed Steinfeld | KB1ZJK |
| Randy Grunewald | KB9KEG |
| Dennis Paulin | KB9OFM |
| Louis Simon | KB9VQM |
| Doug Wagner | KC0RNS |
| Mike Miller | KC9DOA |
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| Joe Lauber | KC9MDY |
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| Paul Bleuel | KC9NAA |
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| Dean Choate | KC9TGM |
| Buddy Larson | KC9UVJ |
| Tom Powell | KC9VXR |
| Bowen Blend | KC9VXV |
| Walter Rueger | KC9WQ |
| Lori Winchel Beltz | KC9YQS |
| Ron Keller | KC9YVL |
| Doug Murray | KC9ZVT |
| Dick Finn | KC9ZVW |
| Fernando Salazar | KC9ZVX |
| Matt Nett | KD9BBN |
| Jim Balthazor | KD9BTV |
| Dawn Krause | KD9CAW |
| Mike Keyes | KE7ES |
| Cully Kowal | KS0D |
| Doug Schultz | N9EZF |
| Ed Beltz | N9PJQ |
| Lloyd Vandervort | N9RPU |
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