



FOND DU LAC AMATEUR RADIO CLUB

NEWSLETTER



VOLUME 16 ISSUE 5 www.fdlhams.org May, 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 N9EZF
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 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: 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.

FDLARC Archives:

Randy Gruenwald and I were talking a few days 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 website.

This would be a long term project and should prove quite interesting.

Next Meeting

When: May 11, 2015 at 7:00 pm

Where: Moraine Park Technical College,





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Exam Session on April 11, 2015

We had a great turnout of Volunteer Examiners for our last testing session on April 11, 2015. Doug Schultz (N9EZF) coordinated the session and led the VE team of:

Jack Heil (KG9IN)
Joe Scheibinger (K9VY)
Todd Beay (AC9EX)
Doug Schultz (N9EZF)
Tom Powell (KC9VXR)
Tony Pass (KC9QYR)



Doug Schultz tells me he was very pleased with the turnout of VE's and the number of people passing their exams. We are one of the few clubs that regularly schedule exams, hence the large number of people from outside the immedi-

We had four Tech. exam candidates, one General and one Extra. The results are listed below.

Matt Yates (KD9CSD)	Brandon	Passed General
James Veith	Hustisford	Passed Tech.
Kurt Hintz	German-town	Passed Tech
David Meyer (KB9VLH)	Green Lake	Passed Extra
Matt Spence	Sheboygan	Passed Tech

Congratulations to all of you who passed your tests to advance your HAM careers. An especial thank you to Doug and the VE's who gave of their time to administer the exams.



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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Ted Willett

Hi, I'm Ted, W9NHE. I have been a Ham since the early 50's, I started on VHF and later on HF and have made thousands of contacts. I've worked DX along with loads of contests using 160 meters and up, I even did SSTV and satellites, and I still have my radio controlled gas power boat, which operates on 50 MHz.

I've worked just about everything Amateur Radio had to offer. But as newer radios, antennas and accessories improved and new technology came to light I wanted to do more.

When I started out radios and modes were all analog, and operating on VHF unless there was some unique propagation happening, contacts were pretty much considered local (within 100 miles). In an effort to make regular longer distance contacts I became aware that every year during the various seasons, there were major meteor shower events that could extend communications ranges. It was pretty new so I had to do a little research into astronomy to figure it all out.

If you would tell someone you're reflecting signals off of meteorites or the moon they looked at you kind of funny. To be successful with meteors usually required getting up in the wee hours of the morning when the earth was in a most favorable position to sweep up the maximum amount of the space debris which gave the best chance for reflections between distant stations.

We used an activity net on 3.825 MHz to set up schedule times, sequences and duration. Modes were CW or SSB, and in the early days, even AM. In the early morning hours while yawning and blurry-eyed we would start sending a sequence of 15 seconds, timed with WWV, either transmitting the first or third quarter of the minute and listening on the second and fourth. This allowed for precise timing as to when to transmit and when to listen for the other station and vice versa. We would usually schedule for an hour go for an hour or more to see if we how many bursts ("pings") we could hear, hoping for a burst long enough to be able to complete an exchange of both call signs and signal reports. Seemingly impossible but over the years I did very well in completing many of these late hour contacts.



There are approximately 43 meteor showers per year (some major, some minor) but actually smaller numbers of these "rocks" from outer space are plunging into earth's atmosphere constantly; an estimated 100,000 tons per year. They enter the atmosphere and streak across the sky at an altitude of 60-100 miles while traveling at 1000's of miles per hour. Most of the time the debris is very small like a grain of sand (and even smaller). However from time to time larger pieces create a spectacular burn trail which can be easily seen, especially during one of the major shower periods.



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Ted Willett (cont.)

When a meteor enters our atmosphere at such a great speed it compresses the air molecules so fast that the air is trapped in front of it, creating a super-heated plasma. This white hot plasma usually completely destroys the meteor leaving a stream of ionized gas behind it. With small debris the ionization may only last a fraction of a second, while bigger chunks will burn a few seconds or more, I have actually witnessed many reflections supporting communications up to 30 seconds and sometimes a minute or more.

The ionized gas trail can act as a reflector for radio signals in the VHF range. When that happens you can make brief contact with other stations out to a maximum of about 1,500 miles.

Where does "15 for 1500" come into play? Well, historically meteor scatter required a substantial station. You needed high power, a good receiver and a big antenna system. But now days its routine to exchange with other stations using 15 watts or less, and an antenna as simple as a dipole. You can easily do it with most of today's radios interfaced with your computer using available software and the new digital modes.

The selection of West Mountain Radio's RIGBlasters (the *Plug & Play*, *Pro*, *Advantage*, *Plus II* and *Blue* make it easy to get going with simple connections and a supplied software suite. You can check them out at www.westmountainradio.com. Just connect, load and GO! The instructions manuals are detailed and well written but if you happen to have difficulty, friendly, no cost telephone or internet support is readily available.

Much has already been written about this but this weak signal communications method was developed by Joe Taylor, K1JT who besides a ham is a scientist and a Nobel Prize winner in physics.

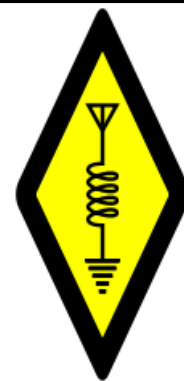
Joe was interested in computer technology in 1990's and found that computer sound cards where rapidly evolving into sophisticated digital signal processors. Joe determined that an inexpensive sound card could become a sensitive two-way analog/digital converter. It can convert an analog signal to digital data within the computer processing, and also create analog audio with various modulation schemes for amateur transmissions.

All you need is a transceiver, antenna, and a computer, with a interface device like one of the West Mountain Radio RIGBlasters. Included with each is a DVD loaded with free soundcard software to get you on the air quickly and inexpensively. and your digital station is on the air. With the programs it almost endless what you can do, like work PSK31 a digital mode for weak HF signals. Even try to bounce a VHF signal off the moon for a contact on the other side of the globe. With the increasingly popular JT65 mode you can detect a signal so weak that its below the noise floor and not even audible on the station speaker. We use WSJT441 mode for meteor scatter. This, and a lot of other programs are already to supplied on the CD that comes with RIGBlasters or they are free to download from <http://www.vhfdx.de/wsjt/>.

For real time information and scheduling it is normal to use Ping jockey Central by N0UK, Just log in at <http://www.pingjockey.net/cgi-bin/pingtalk> and get on the chat page, its free.

The action frequencies are:

50.185- 50.195MHz	Moonbounce (EME)
50.255- 50.285MHz	FSK441 and JT6M Meteor Scatter (MS)
50.260MHz	FSK441 and JT6M MS calling frequency
144.155- 144.135.	JT65 EME calling frequency
144.140	FSK441 calling frequency
222.085	FSK441 calling frequency
432.060-432.070	JT65 EME





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HAMs Support Nepal Earthquake Efforts From Joe Scheibinger



Amateur Radio Newsline(tm) Report 1963 May 1 2015

Amateur Radio Newsline report number 1963 with a release date of Friday, May 1st, 2015 to follow in 5-4-3-2-1,

The following is a QST. Hams worldwide respond after an earthquake devastates Nepal; the FCC makes ready to introduce a pair of new ham radio bands; AMSAT announces opportunity for a ham-sat rideshare to geostationary orbit and a house committee asks for documents on proposed FCC field office closures. Find out why on Amateur Radio Newsline report number 1963 coming your way right now.

RESCUE RADIO: AMATEUR RADIO ON THE FRONT LINE AFTER NEPAL EARTHQUAKE

Ham radio became a first responder after a magnitude 7 point 8 earthquake hit the nation of Nepal on Saturday, April 25th. As this report is being prepared, at least 5000 are known dead and many others still missing. The quake also triggered avalanches on Mt Everest with several climbers killed. Bill Pasternak, WA6ITF, is in the newsroom with the latest:

[WA6ITF] Within hours of the quake hitting ham radio operators from around the world were on the air offering whatever support that they could provide. Here in the United States, one of those radio amateurs is Wayne Ordakowski, N0UN, in Parker, Colorado, who served as one of many net controllers on 20 meters:

N0UN: "This is Norway Zero United Norway assisting the Nepalese disaster communications group that has been assembled here on 14.215 MHz to gather information and make contact and do what we can with our ham radio stations and also trying to keep 14.205 MHz clear for emergency communications only.."

Soon it was learned that with almost no communications into and out of Nepal that even governments wanting to provide aid were turning to monitoring the ham radio nets:

"I don't know how this happened but we got a call from someone in the UK who was informed of what we are doing and informed the British government and they were very excited to hear what we are doing and they are monitoring both frequencies. They are monitoring this frequency and 14.205 to get the latest updates that they can get from us."

[WA6ITF] Within hours of the quake hitting ham radio operators from around the world were on the air offering whatever support that they could provide. Here in the United States, one of those radio amateurs is Wayne Ordakowski, N0UN, in Parker, Colorado, who served as one of many net controllers on 20 meters:

N0UN: "This is Norway Zero United Norway assisting the Nepalese disaster communications group that has been assembled here on 14.215 MHz to gather information and make contact and do what we can with our ham radio stations and also trying to keep 14.205 MHz clear for emergency communications only.."



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HAMs Support Nepal Earthquake Efforts (Cont.)



Soon it was learned that with almost no communications into and out of Nepal that even governments wanting to provide aid were turning to monitoring the ham radio nets:

[4X6TT] "I don't know how this happened but we got a call from someone in the UK who was informed of what we are doing and informed the British government and they were very excited to hear what we are doing and they are monitoring both frequencies. They are monitoring this frequency and 14.205 to get the latest updates that they can get from us."

That was Amir Bazak, 4X6TT, in Israel. Meantime in Nepal the Nepal Amateur Radio Society is providing emergency communications in the wake of the disaster. Satish Kharel, 9N1AA, reports he was using solar power and was coordinating his efforts with the police in the capitol city of Kathmandu. Kathmandu was among the areas hardest hit. 9N1AA said that information has already been provided on the status of numerous foreign visitors to their loved ones. That work is ongoing. Also that he has been sharing the post quake emergency communications work with Suresh Upreti, 9N1HA.

Jayu Bhide, VU2JAU, is the Amateur Radio Society of India's National Coordinator for Disaster Communication and was one of the early net controllers on 14.205. He said a delay occurred because the quake demolished the building in Nepal where emergency communications gear was installed. He told Jim Linton, VK3PC, that 9N1AA and 9N1DX were later able to come on the air but in the interim many messages piled up to pass on to Nepal to find missing people. VU2JAU added that other hams in India are also involved in the relief effort. They have been heard operating on 7.100, 18.160 and 21.360 MHz.

Four radio amateurs from Gujarat India are now in Nepal headed by VU2ZNN. Similarly another four-member team made up of hams from North Delhi have set up High Frequency and VHF stations on India's side of its border with Nepal.

The bottom line is that hams in Nepal facing hard situation. As we go to air 9N1AA and 9N1HA are now supported by 9N1KK and 9N1ZZ. And while some commercial lines of communications have been restored these hams in Nepal appear to be the main source of information into and out of the quake devastated nation.

For the Amateur Radio Newslines, I'm Bill Pasternak, WA6ITF, in Los Angeles.



At a time when all means of communication have failed for those stranded in Nepal, HAM radio has come to their rescue. A hobby that is being pursued for years has now found a place in the Disaster Management Cell's control room at Mantralaya. Ankur Puranik, 35, is one of the HAM radio operators who is accompanied by many in relaying communication to other HAM radio operators in Nepal.



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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.

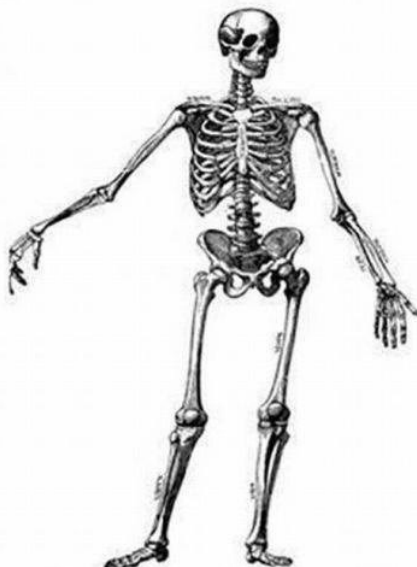


You can call them to order a polo shirt like members got last year or another item, give a credit card number if you do not want to travel to Ripon, Tom Powell, KC9VXR, who lives in Ripon is willing to bring them to FDL at the next meeting or event. Or, you can come to their store in Ripon to see the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

**The average human body
contains enough bones**



to make an entire human skeleton.



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Minutes of Monday, April 13, 2014



Call to Order

The meeting was called to order at 7:02p by Tom Powell (KC9VXR) V.P. officiating.



Introductions

All attendees introduced themselves. There were no new members.

Approval of the Minutes

It was mentioned that Dick Finn needs to update current officers in list in the newsletters as Stan Cram is not listed as being on the Board. A motion was made by Paul Bleuel (KC8NAA) to approve the minutes from February. Seconded by Dave McCumber(N9WQ). The Motion carried via a voice vote.

Treasurer's report (4/13/15)

Truck Fund	\$0.00
Emerg. Services Fund	895.01
General Use Fund	2856.78
Savings Account	25.00
Petty Cash Fund	25.00
Total	3801.79

Repeater Fund 626.81

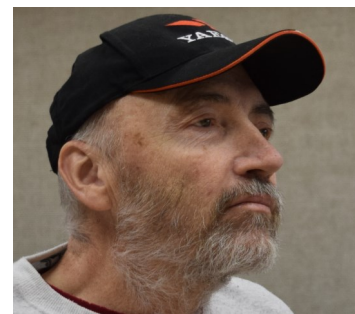


A motion to approve the Treasurer's report was made by Jack Heil (KG9IN), and seconded Paul Bleuel (KC9NAA). The motion carried via a voice vote.

A bill for web hosting of \$6.00/ month was received. A motion to pay the bill was made by Dawn Krause (KD9CAW) and seconded by Jim. The motion carried via a voice vote.

Old Business

Rand Grunewald (KB9KEG) reported that the club achieved 900,000 points in the Wisconsin QSO Party. The final tallies for will not be available for some time so we will not know how our club placed relative to the other clubs for some time.



Matt Yates (KD9CSD)	Brandon	Passed General
James Veith	Hustisford	Passed Tech.
Kurt Hintz	Germantown	Passed Tech
David Meyer (KB9VLH)	Green Lake	Passed Extra
Matt Spence	Sheboygan	Passed Tech

Doug Schultz reported that the club hosted exams on April 11, 2015. Three new Technician Licenses were earned and two people upgraded their licenses as shown to the left:



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Congratulations to all and thanks to the team of VE's lead by Doug Schultz who gave of their time to proctor the exam.

New Business

Tech classes: Jack Heil (KG9IN) reported that we now have the new power point slides and should have them converted to our style in late September or early October. The dates TBD.



There was a question about having a General class, the question pool changes on June 30 so we would need new Power point for this and this would be larger more complex endeavour than the Technician Class..

A general discussion on having a class for the new hams to get started was held with no clear resolution.

There will be a Storm spotter class on Apr 11 at 6:30 pm at Marion College

Mock tornado drill on Thursday. There was a net on the 147.090 repeater

The Spring Brat fry will be held on May 20 & 30 and the Fall one on Aug 28 & 29. The price of brats will be increased to \$3.00.

Walleye weekend: will be on June 13 & 14. A motion to have a special event again with the W9W call was made by Dave McCumber (N9WQ) and seconded by Paul Bleuel (KC9NAA). The motion carried via a voice vote.



The annual Field day will be on June 27 & 28.

Dave McCumber (N9WQ) noted that Ted Willet (W9NHE) and Ray Grenier (K9KHW) should be granted life memberships as they were some of the charter members of our club. A motion was made to establish an emeritus membership by Jack Heil (KG9IN) and seconded by Buddy Larson (KC9UVJ). The motion carried via a voice vote..

A letter was received from the Madison DX club that they have a scholarship grant for \$1000. We have the application form and a cover letter and they will be included in the next Newsletter.

A motion to chair a committee to investigate the purchase of a building such as the Red Cross Building for a clubhouse was made by Jack Heil (KG9IN) and seconded by Dave McCumber (N9WQ). The motion was amended by Buddy Larson (KC9UVJ) to have Jack Heil (KG9IN) chair the committee with four members to report back to the club members. The amendment was seconded by Dawn Krause (KD9CAW). The motion carried via a voice vote.

Business from the Floor

No announcements were offered.

Adjournment

A motion to adjourn was made by Jack Heil (KG9IN) and seconded by Dave n9wq). All approved by a voice vote and the meeting ended at 8:02 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 (KC9NAA)	920-921-6015

Confused Protestors Picket Dayton Hamfest, Then Leave

By WBØRUR, on the scene

DAYTON, Ohio – In what's being called confusing and totally unexpected, about a dozen protestors showed up this morning at the 2013 Dayton Hamfest. People Advancing The Humane Treatment of Animals (PATHTA) protested in front of Dayton's Hara Arena, advocating against alleged unsafe hog farming, growing and butchering practices.

"We will make these mad men stop!" exclaimed group leader Paula Smith-Taylor of Westchester, Vermont. "The unstoppable slaughter of hogs for food and profit must end!"

A group of ham radio operators headed to the "Peanut Whistle Transmitters" exhibit took a moment to visit with Smith-Taylor. "She seemed genuinely surprised at what 'ham radio' actually meant," says octogenarian Vince Bascoe of Cheyenne, Wyoming. "After I explained it to her, she told the group to get back into her VW microbus for their next assignment."

"We're headed to Arkansas!" Smith-Taylor exclaimed as the van left the hamfest parking lot. "We hear there's fighting hogs there! We must stop the insanity!"





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**“DEADLINES JUST AREN'T REAL
TO ME UNTIL I'M STARING
ONE IN THE FACE.”**

RICK RIORDAN
QUOTESEVERLASTING.COM

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.

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

	Publish Date	Deadline Date
June, 2015	6/1/15	5/30/15
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:

The after the regular monthly meeting code class led by Rick Robinson (NI9Z) is continuing to make progress. For those who have missed a meeting and want to do some studying on their own, the monthly letters are:

March E I Q V L

April A B S H

May TMO





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2015 FdL Ham Calendar

May 2, 2015

MS Walk



May 4, 2015

FDLARC Monthly Meeting, 7:00 pm, MPTC Room A112

May 26, 201

ARES Meeting Time: 10am Location: TBD

May 29 & 30, 2015

Brat Fry at the Country Corners Exxon station in Lomira



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





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Scholarship

The following letter and application were passed on to our Club. If you know Of a deserving student, please pass this on to him or her.



MDXC Scholarship Announcement

March 2015

Dear Guidance Counselor:

The Madison DX Club (MDXC), an amateur radio organization, is again offering a scholarship for students who will attend a post-high school institution of learning. This year the total grant will be \$1000.

Amateur radio operators, often called "hams," enjoy radio technology as a hobby. Hams are at the cutting edge of many technologies. They provide thousands of hours of volunteer community and emergency services when normal communications go down or are overloaded. All of them enjoy being creators, not just consumers, of wireless technology.

Applicants must hold a valid amateur radio license. Scholarship applicants must complete the application form and submit a short essay (100–200 words) stating why they should be awarded this scholarship. The MDXC Scholarship Committee will review all applications and essays to determine the successful candidate(s). All candidates will be notified of the outcome.

The MDXC scholarship program is described at www.madisondxclub.org. Application forms may be printed from this website. Questions may be directed via email to scholarship@madisondxclub.org. The completed applications and essays should be mailed before May 11, 2015 to:

The Madison DX Club Scholarship Program
c/o Ed Toal
W8471 State Road 39
Blanchardville, WI 53516

Your cooperation in making this program known to qualified applicants is appreciated.

Sincerely,

Madison DX Club Scholarship Committee
Ed N9MW, Tim WO9U, Ron W9POF

More information on amateur radio can be found at <http://www.arrl.org>



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MDXC Scholarship Application Form

<http://www.madisondxclub.org>

(Please print or type)

Name _____
FIRST LAST INITIAL

Email: _____ contact phone: _____

Address _____

CITY STATE ZIP CODE

Amateur Radio Call Sign _____ License Class _____

Present School _____

Counselor/Principal _____

Grade/Class _____ Expected date of Graduation _____

School you plan to attend? _____

Location _____

Have you been accepted? Yes ☐ No ☐

List your Amateur Radio activities and Interests:

List school activities:

List community activities:

Attach a short composition that states "Why I think I deserve this scholarship".

Signature _____ Date _____

NOTE: We may request additional information or conduct interviews in order to further qualify applicants.

Submit completed form to: Ed Toal, W8471 State Road 39, Blanchardville, WI 53516



FOND DU LAC AMATEUR RADIO CLUB

NEWSLETTER

VOLUME 16 ISSUE 5

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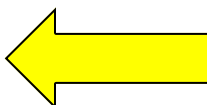


Join Us On Sunday Evenings For Our Weekly Net — 1930 hrs. 145.430 MHz — Tone 97.4 Hz

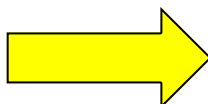
Name	Callsign
Barbara Simon	W9MER
Bowen Blend	KC9VXV
Buddy Larson	KC9UVJ
Chuck Mahnke	K9HXL
Cully Kowal	KS0D
Danny Vandekolk	KC9IGD
David Mc Cumber	N9WQ
Dawn Krause	KD9CAW
Dean Choate	KC9TGM
Dennis Paulin	KB9OFM
Dick Finn	KC9ZVW
Don Chapman	KC9KZQ
Donna Blend	KC9TFN
Doug Murray	KC9ZVT
Doug Schultz	N9EZF
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
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

ROSTER

**Name
Sort**



**Call
Sort**



Name	Callsign
Edward Frac	AA9WW
Todd Beay	AC9EX
Stan Cram	AI0M
Chuck Mahnke	K9HXL
Joe Scheibinger	K9VY
Ed Steinfeld	KB1ZJK
Randy Grunewald	KB9KEG
Dennis Paulin	KB9OFM
Louis Simon	KB9VQM
Mike Miller	KC9DOA
Kirk Everson	KC9FZE
Danny Vandekolk	KC9IGD
Joyce Keyes	KC9KIJ
Don Chapman	KC9KZQ
Marjean Buck	KC9LFI
Neal Buck	KC9LFN
Joe Lauber	KC9MDY
Randy Nelson	KC9MYG
Paul Bleuel	KC9NAA
Tony Pass	KC9QYR
Larry Mielke	KC9RUE
Donna Blend	KC9TFN
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
Jim Cole	N9WAP
David Mc Cumber	N9WQ
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