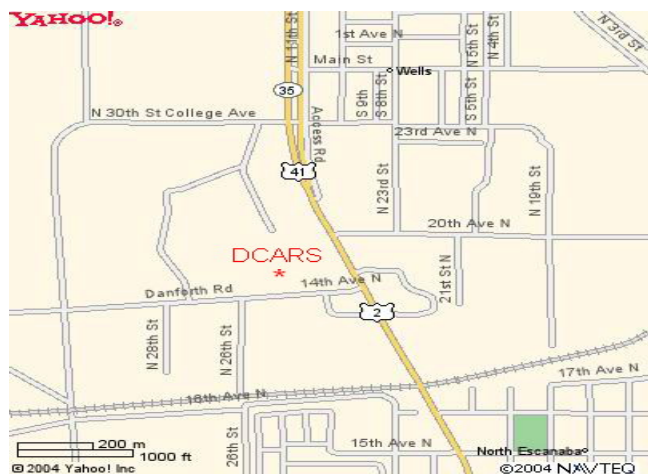


Air Scoop

The monthly Newsletter of the Delta County Amateur Radio Society, Inc. April 2007

Air Scoop Monthly – is the official newsletter for "The Delta County Amateur Radio Society Inc"

The Delta County Amateur Radio Society, will meet on the third **Monday, April 16th** of this month. Our meeting starts promptly at 7 P.M., at Bay-De-Noc Community College, Room #963. Located in the glassed in area at the Joseph Heirman University Center. You can park in the South Lot off Danforth Road. Just watch for antennas on vehicles.



Project Nights are a great success Monday Nights.

All members and non-hams are invited. Also "Bring your Friends along with you" to the Applied Science Building just west of the Glassed in area. Go through the double doors and turn right to the lab area. Several "Hams" are here to help you with projects of your choosing. Project Nights start at 630PM or later and are held until you wish to go home which is usually around 9 PM. Some equipment is available for use in the Lab by our members. The only Monday night not in session is when we have our Monthly Meeting. On occasion, N8VBA, (instructor) might be out of town and you will be advised of a change to a different location or if the meeting is cancelled until next week. Monitor the 146.700 repeater or the 147.240 repeater.

NOTE: ALL NEWSLETTERS ARE UPLOADED MONTHLY TO OUR WEBSITE – BY OUR NEWSLETTER EDITOR ON OR ABOUT THE FIRST WEEK PRIOR TO MONTHLY MEETINGS HELD ON THE 3RD MONDAY OF EACH MONTH YEARLY UNLESS A SPECIAL MEETING IS CALLED BY OUR PRESIDENT – DAVE – N8DP

DCARS – WWW.DCARS.ORG
Joe Thompson – Webmaster

LOCAL REPEATERS

147.150 + off the air
145.130 – Escanaba
147.240 + Gladstone
IRLP – simplex link 147.550 tone 107.2
146.700 – Cooks, MI
147.030 + Trenary, MI
APRS DIGI 144.390

2007 DCARS – OFFICERS

President - Dave Palmgren – N8DP
V. President - Tony Marietta – KC8NUR
Treasurer - Rich Thompson – N8OYR
Secretary - Joe Thompson – W8JRT
Newsletter Editor - Les Elder – WA8LE
Club Librarian - Tony Marietta - KC8NUR
HamFest Chairman – Richard Thompson – N8OYR
**REMINDER – HAMFEST CHANGED TO JULY 28TH
IN ORDER TO SUPPORT VENDOR PARTICIPATION
FROM: TOWER ELECTRONICS OF GREEN BAY WISCONSIN
(TEMPORARILY OK'D BY TOWER, NOT CONFIRMED)**

Future Testing Schedule – Upper Peninsula

14-Apr-2007 This next Saturday 3 days away....see u there.

Sponsor: DELTA COUNTY ARS
Time: 9:00 AM (Walk-ins allowed)
Contact: LYSLE L ELDER
(906)789-1543
Email: HAMBONE@UPLOGON.COM
VEC: ARRL/VEC

Location: BAY DE NOC COMM COLLEGE-ROOM 402E
HEALTH & APPLIED SCIENCES BLDG
FROM US2-TURN W TO DANFORTH RD
PARKING LOT "D" Watch for vehicles with antennas
ESCANABA, MI 49829

14-Apr-2007
Sponsor: HARC/CCRAA
Time: 8:30 AM (Walk-ins allowed)
Contact: GEORGE R THURNER
(906)337-2542
Email: W8FWG@ARRL.NET
VEC: ARRL/VEC

Location: MICHIGAN TECH UNIVERSITY-US HWY 41
 WADSWORTH RESIDENCE HALL
 OPPOSITE CAMPUS RADIO WMTU ROOM NUMBER G04W
 HOUGHTON, MI 49931

DCARS Monthly Meeting Minutes March 19th, 2007

Attendance: N8DP,Dave, KC8NUR,Tony, W8JRT,Joe, K8WLT,Walt, KA8RPB,Lowell, K8AO,Duane, KD8BJD,Steve, KD8DVM,Mark, KD8DKC,Ken, KD8DKB,Mike, N8OYR,Rich, WA8LE,Les, K8GMW,Don, KD8DKA, Mike, and Rob(future operator).

Meeting opened by Dave at 7:00PM.

Introductions.

Newsletter/Sec report accepted. Motion by Les, 2nd by Ken.

Treasurers report by Rich in the usual fashion.

Correspondence: none

Hamfest: Jim Weaver, ARRL Section Manager, will be here. Tower electronics will get in touch in April for confirmation on coming to Escanaba. Date set at July 28th. QCWA, UPARA meetings planned.

Repeater updates: 147.150 Currently off the air. 146.700 purchase on standby awaiting news from Bill. 147.15 repeater, some discussion about getting it back on the air. 147.240 now active (N8DP).

Classes: going along great. Will likely finish ahead of schedule. Plan is to give the class the test when they are done. Testing will take place April 5th 2007.

Telegraph office: Building will be 18 X 36 starting soon as possible, when ground is unfroze. (starting after Easter)

IRLP – node up and running on 147.550 simplex. 107.2 tone access.

QCWA - meeting held this past Saturday. 8 people attended. They decided to start a new local chapter.

Scout Centennial at Fair Grounds. May 18-20th. They are excited to have us present.

Memorial Day - The club will provide communications for a running race event in Escanaba. More info to follow.

New Business Mark, N8XAH, tower purchase request. The tower is a 65 foot. Tabled to next monthly meeting.

Motion to adjourn by Rich, 2nd by Tony.

The Internet Radio Linking Project

<http://www.irlp.net/main.html>
[click here for details](#)

The IRLP uses Voice-Over-IP (VoIP) custom software and hardware. Coupled with the power of the Internet, IRLP will

link your repeater site or simplex station to the world in a simple and cost effective way.

IRLP operates a worldwide network of dedicated servers and nodes offering very stable worldwide voice communications between hundreds of towns and cities. All this with unsurpassed uptimes and the full dynamic range of telephone quality audio. [Click Here](#) for a live feed of the [Western Intertie Network](#) and other IRLP systems who also stream there audio.

MAJOR REFLECTORS – AROUND THE WORLD

Reflector	City	Nodes	Channels												
			0	1	2	3	4	5	6	7	8	9			
REF9000	Vancouver	3		2			1								
REF9010	Discovery Reflector														
REF9050	NorthEast Reflector	5		3		2									
REF9070	Alaska Reflector	12	7	1	4										
REF9120	New England Reflector	7			4	2							1		
REF9200	Crossroads Reflector	23	1	13	2			2							5
REF9210	Raleigh	1		1											
REF9220	openIRLP Reflector	11			6										5
REF9250	Western Reflector	13	12												1
REF9300	Saskatoon Reflector	2	2												
REF9310	Fredericton														
REF9350	LAX - [WALA] Hub	9	9												
REF9450	Dallas	44	2				31		5	6					
REF9500	Sydney - Virtual PUB	2						2							
REF9600	Philadelphia														
REF9610	Great Lakes Reflector	1											1		
REF9620	Wisconsin Reflector	2	2												
REF9700	Lancaster														
REF9730	Crossroads Annex														
REF9750	The UK Reflector														
REF9800	Scandinavian Reflector														
REF9870	Denver Reflector	19			3	3	5			8					

OPERATIONAL PROCEDURE FOR USING THE IRLP LINKING SYSTEM.

Most important is to pause before speaking into the microphone.

Pause between transmissions.

In using 9000 series reflectors or Nodes, Pause to let anyone into the system to chat.

When you connect to a direct Node number, via any repeater, you will be one-on-one with that repeater. Also remember to pause between transmissions so your speech doesn't get cutoff.

Use your keypad to access any Reflector or Node. Use "73" to dis-engage our repeater from the other reflector or Node.

If you open up a reflector, you can listen or monitor the conversations that check in to that particular reflector. When you are through listening to that reflector, wait for a break in their conversation before disconnecting with "73" Note, while monitoring, you do not have to ID. Have fun on the IRLP linking system for the 147.240 Repeater. (Gladstone Michigan) N8DP

The access simplex frequency 147.550 tone 107.2 will be changed when the repeater is elevated and back on line shortly.

USA – 9000 SERIES REFLECTOR INFORMATION

<http://www.narri.org/IRLP.html>
<http://status.irlp.net/>

While on line click on any of the above Http sites and You will be directed to the node listing. Under the status Scroll down to the 9000 series node listing. Double click on any 9000 series number of your choice and it will bring up all the shown links that are connected to that particular node.

You must be on line to activate the above links.

9000 Reflector Information Provided by N8DP

New England Reflector

9120 - General QSO
9121 - General QSO (Alternate)
9122 - Training Information & Public Service (TIPS) Net
9123 - ARES, SKYWARN & Red Cross Events
(EchoLink *NEW-ENG* Gateway)
9124 - Open
9125 - Open
9126 - Open
9127 - New York City Interconnect
9128 - Open (GSM)
9129 - VoIP WX Net - Listen Only
(EchoLink *WX_TALK* Gateway)

Crossroads Reflector – Indianapolis

9200 General ragchew - English
9201 General ragchew - Spanish
9202 General ragchew - Japanese
9203 General ragchew - French
9204 Wisconsin linking and special events
9205 Open and available - Scheduled nets
9206 Open and available - More nets
9207 Open and available
9208 So California & Mexico - Spanish
9209 Open and available - Even more nets

Western Reflector – Las Vegas

9250 General Traffic
9251 Linking and QSOs
9252 Listen Only NASA Audio Feed
9253 Open QSO
9254 Hawaii–Pacific Rim Linking
9255 Special Activities and QSO's
9256 Calling and QSO
9257 Calling and QSO
9258 Linked to Echolink Conference Server NV-GATE
(152566)
9259 Open for QSOs

Dallas Reflector

9450 General Traffic
9451 General Traffic
9452 General South Florida Disaster Linking
9453 WINS System
9454 ATVoIP Network
9455 Southwest Lynx Net
9456 Open and available
9457 Open and available
9458 GSM
9459 ECHO-IRLP Gateway

Great Lakes Reflector – Grand Rapids

9610 – General Traffic
9611 – General Traffic
9612 – General Traffic
9613 – General Traffic
9614 – General Traffic
9615 – General Traffic
9616 – General Traffic
9617 – Echolink Michigan Conference
9618 – General Traffic
9619 – General Traffic

N8DP – PRESIDENT MESSAGE

Have you even noticed that spontaneous events seem to be more fun than the planned ones?

We had something like that occur at "Project Night" last Monday (April 2nd). With the IRLP node still new to everyone

in our area. We had a lot of interest on the subject and after a few questions and answers; we were wanting to use the node.

Howard W8HSJ and myself, N8DP came to the rescue with a solution. Howard's mobile rig out in the parking lot with cross band capabilities, became a reality for accessing the IRLP LINK, at the N8DP repeater location in Gladstone.

We set up a handheld on 440 MHz inside the lab at "Bay De Noc, Community College, with everyone watching. This project was put in motion by the handheld on 440 MHz, accessing the cross band repeater on 2 meters on 147.550 simplex, tone access 107.2.

I accessed the link by doing a test to see if the (repeat) reflector, node 9999 would acknowledge and repeat back to me, to give confirmation that the node was working. What I said into the FM system was then repeated back to us to show that the system was up and running. With a Tone of 73, that node was disconnected.

I (Dave) then accessed the node number 9250 which in turn, opened the reflector node at Las Vegas and I announced I was monitoring with my call letters. A mobile station in Salt Lake City answered back and we had a nice QSO. After I cleared with him, (still staying on the Las Vegas Reflector), listening, a station came back almost immediately, KL7M – Dave in Anchorage Alaska. We chatted together and listened to show the clear signals produced from the FM conversation that far away on IRLP. With no tones being heard in between conversations, or exchanges, it was very apparent that IRLP is here to stay, with great access around the world. The biggest thing to remember is to pause, between conversations to not overlap the voice being transmitted.

After the DEMO was completed, Allan WD8CSZ was on hand to chat about radio and electronics repair along with Fred, W5TJC, both Engineers with local radio stations.. The first project night after club meeting night, we will be doing a learning session on soldering, (the right way) Along with circuit board tracing, and learning how to replace and check for bad components.

With 23 people on hand this project night, we had a very memorable evening.
Remember Saturday Testing at Bay April 14th – 9 AM.

Remember, Club meeting Night on April 21, 2007 at Bay De Noc Community College, another program after our short meeting will take place. We hope to see everyone there.

73 Dave – N8DP

TECH CLASS OVER, TESTING OVER: All that took the test passed and became new technicians.

Congratulations to: new tech's, Buck & Zandra Swanson, Natalie Thompson, Rob Johnson, Mike Racine, Terry Augustyn. 73s – N8DP, Dave, (Instructor) We welcome you all to the adventurous field of Amateur Radio.

DARS PROGRAM AT MENOMINEE, MICHIGAN UP AND RUNNING. CHECK IT OUT. (M&M radio club)

LOCAL HAM – Mark Hallfrisch, brings family together at Stephenson Michigan, then to the "K8DAR - DARS PROGRAM" on April 2nd 2007.

Mark KD8DVN, while with his family and Grandfather, During spring break, went to the school in Menominee to see the ham radio setup that – Ed Engleman, KG8CX and his club put together to promote interest in ham radio for younger students. The local DARS project is for boys and girls interested in ham radio.

After school hours, local students with a control operator get together in one of the class rooms set up with ham radio gear and equipment. They learn all about making contacts through out the country. Advisors (Elmer's) help teach about radio and the fundamentals on becoming a ham radio operator.

Marks, 2 sons, daughter, 2 cousins, and Grandfather became the guest of Ed KG8CX for a day of fun on the radio. Making a contact on the local 147.000 club repeater, arrangements were made with Ed to meet at the local Boys and Girls Club.

Once the radio equipment was turned on after a show and tell about all the equipment and operations, guests mark, his son Peter age 9, cousin Benie age 11, were then given the opportunity to get on the air, and make a contact on the 20 meter band. Sending out a CQ brought a response of: "K8DAR" K8DAR, de K7ZS, K7ZS, Portland Oregon. An exchange of names, locations, and signal reports were given, Peter was given the chance to have a "First Contact" via ham radio with another ham operator. This first contact serves us all and is a reminder of when we all made our first contact in radio. "The First Contact Award" for Peter states, May this first contact serve as a reminder of when and where your radio journey began and may you have many contacts with Amateur Radio operators from around the globe who share a similar desire to connect with people through the Magic of radio. "Statement from the ARRL First Contact Award.

Many thanks are in order to the M&M Radio Club and Ed Engleman – KG8CX for putting this together.
73s, Mark Hallfrisch KD8DVN

**Check out: <http://w8pif.com/>
Main website of the M&M Radio Club.**

ARRL CORNER OF THE GLOBE

New crew, civilian space traveler arrive at ISS (Apr 10, 2007) -- The Expedition 15 crew of Russian cosmonauts Fyodor Yurchikhin, RN3FI, and Oleg Kotov, and space flight participant, software pioneer and aviator Charles Simonyi, KE7KDP, arrived at the International Space Station Monday at 1910 UTC and greeted the Expedition 14 crew not long after opening their hatches at 2030 UTC. Yurchikhin, Kotov and Simonyi launched in a Soyuz spacecraft (photo) two days earlier from Baikonur Cosmodrome in Kazakhstan. A Hungarian-American flying under contract with the Russian Federal Space Agency, Simonyi will speak with four schools via Amateur Radio while he's in space, including one in his native Hungary, under the auspices of the Amateur Radio on the International Space Station ([ARRL](#)) program. In addition, Simonyi plans to do some maintenance on some of the ham radio gear on the ISS. He'll conduct some testing to isolate an antenna problem and reprogram a second unit to correct a configuration problem. Simonyi also will conduct some research before returning home April 20 with the Expedition 14 crew of Michael Lopez-Alegria, KE5GTK, and Mikhail Tyurin, RZ3FT, who have been in space since last September. Suni Williams, KD5PLB, who has served as an Expedition 14 crew member since December, will become part of Expedition 15. She is scheduled to return home this summer on the shuttle *Endeavour*.

[Link to this item](#)

Apr 21-22

Michigan QSO Party -- CW/SSB, sponsored by the Mad River Radio Club, from 1600Z Apr 21-0400Z Apr 22. Bands: 80-10 meters. Frequencies: CW -- 45 kHz from band edge; Phone (MHz) -- 3.825, 7.200, 14.250, 21.300, 28.450. Work stations once per band and mode, MI-to-MI QSOs allowed, mobiles and portables can be worked from each county. Categories: SO, MS, MM, Mobile SO, Mobile MO. Exchange: serial number and MI county or S/P/C. QSO points: CW -- 2 points, Phone -- 1 point. Multipliers for MI stations are states, provinces and MI counties; multipliers for non-MI stations are MI counties. Multipliers count once per mode. Score: QSO points \times multipliers. For more information: [www.miqp.org](#). Logs due 30 days after contest to [logs@miqp.org](#) or Mad River Radio Club, c/o Dave Pruett, 2727 Harris Rd, Ypsilanti, MI 48198.

Motorola QSO Party -- CW/SSB, sponsored by the Motorola Amateur Radio Club - Illinois Section from 1700Z Apr 21 - 0300Z Apr 22. Frequencies

(MHz): 160 - 2 meters; Phone: 1.880, 3.880, 7.180, 14.280, 21.380, 28.380, 50.180. Categories: see Web site. Exchange: RS(T) + S/P/C (Motorolans give office location code). QSO Points: Phone -- 1 pt/QSO, CW -- 2 pts/QSO. Score: QSO points \times Motorola office codes (Motorolans also count S/P/C). For more information:

[www.qsl.net/k9mot/motqp.htm](#). Logs due 31 May to [motoham@gmail.com](#) or 2007 MOTQP, c/o Mike Swiatkowski, AA9VI, 225 Southgate Dr, Northbrook, IL 60062 USA.

Ontario QSO Party -- CW/Phone, sponsored by Contest Club Ontario and the Ontario DX Association from 1800Z Apr 21-1800Z Apr 22. Frequencies (MHz): SSB -- 1.870, 3.735, 3.860, 7.070, 7.260, 14.130, 14.265, 21.260, 28.360; CW -- 30 kHz above band edges; VHF-SSB: 50.130, 144.205, 432.105; VHF-FM 52.540, 146.550, 446.1; no repeater QSOs. Categories: SOAB and SOSB (HP, LP <150 W HF and 50 W VHF, QRP) in CW, Phone and Mixed Modes, SO VHF FM QRP, MS, SWL, Mobile, Rover. Exchange: RS(T) and S/P/C or Ontario QTH. QSO points: HF SSB -- 1 point, HF CW -- 2 points, VHF -- 5 points (work stations once per VHF band), 10 points for each QSO with VA3CCO, VE3ODX and VA3RAC. No county line QSOs. Score is QSO points \times Ontario QTHs (non-VE3 stations) or S/P/C + Ontario QTHs (mults count once per band). For more information: [cco.ve3xd.com/oqp](#). Logs due May 31 to [ve3agc@rac.ca](#) or Ontario QSO Party, Ontario DX Association, PO Box 161, Station A, Willowdale, ON M2N 5S8, Canada

Kids Roundup -- Phone, sponsored by the Anne Arundel Radio Club, Jr, from 1400Z Apr 21-2200Z Apr 22. Frequencies: 80 meters- 70 cm. See Web site for categories and QSO point rules. Exchange: Call sign, QTH, category, first name. Contacts with Amateur Radio station KI3DS count 25 points. For more information: [www.ki3ds.org](#). Logs due May 1 to [ki3ds@ki3ds.org](#) or AARC Jr, Attn: Bob Rose, 7901 Pepperbox Ln, Pasadena, MD 21122-6328.

Old-Old-Timers Club QSO Party -- CW/SSB, from 0000Z Apr 28-2359Z Apr 29. Frequencies: 80-10 meters. Exchange: RS(T) and member number or state. Score: total number of QSOs, work stations once per band and mode. For more information: [www.ootc.us/party](#). Report scores by

30 days after the contest to wleof@hamnutz.com or OOTC QSO Party, c/o Mark Titterington, W1EOF, 74 Hornet Rd, North Kingstown, RI 02852.

MI QRP Memorial Day CW Sprint -- sponsored by the MI QRP Club from 2300Z May 27-0300Z May 28. Frequencies: 160-6 meters. Categories: SOAB with classes A (<250 mW), B (<1 W), C (<5 W), D (>5 W). Exchange: RST, S/P/C and MI-QRP number or power output. QSO points: MI-QRP members -- 5 points, non-member W/VE -- 2 points, DX -- 4 points. Score: QSO points \times S/P/C

counted once per band. If homebrew RX or TX, multiply by 1.25. If both RX and TX are homebrew, multiply by 1.5. For information: www.miqrp.org. Logs due 30 days after the contest to k8nwd@arrl.net or Tim Pepper, K8NWD, 4391 Clintonville Rd, Waterford, MI 48329.

See the: www.arrl.org for all other contesting rules and regulations, special event contests. Support the Arrl by purchasing qst and becoming a member.

**D.C.A.R.S.
DELTA COUNTY AMATEUR RADIO
C/o Richard Thompson - Treasurer
9560 Chaison – N. Road
Gladstone, Mi.
49837**

Stamp

Place Label Here