

The LANDLINE

The Newsletter of the
COPPER COUNTRY RADIO AMATEUR ASSOCIATION, INC.
P.O. BOX 217 DOLLAR BAY, MICHIGAN 49922-0217
Visit us on the World Wide Web: www.ccraa.net

Meeting date: May 1, 2007 Dollar Bay Fire hall, Time 7:00 pm

Swap and Shop April 21, 2007.

The results are in and both vendors and visitors enjoyed the get together at the Chassell VFW. We look forward to more input from local Ham Clubs (CCRAA, KCRA and Husky) and club members in the planning our next event.

Howard (KD8ABP)

315 Repeater Update;

Summarizing:

1. The "147.315 MHz" repeater of the KCRA goes off the air, sometime Tuesday morning May 1, and returns to the air during the afternoon of Thursday, May 3.

This will give you three days in which to reprogram the **107.2 Hz tone** into Your HT's. Another thought, given to us, by several of you is this: If we don't have any interference problems there is the possibility of turning OFF the PL tone altogether, but that is not being planned at this time

Immediately following this bulletin this report is going to be sent out to all members of the KCRA, the CCRAA, the HARC, and to all of the radio clubs in the U.P. of Michigan and to our friends over in Thunder Bay, Ontario, Canada.

73,

George, W8FWG

Secretary-Treasurer, K.C.R.A.

(906) 337-2542

E-Mail: w8fwg@arrl.net

SOLAR UPDATE

Solar flash Tad "I Live for the Sun" Cook, K7RA, Seattle, Washington, reports: Sunspots have reappeared over the past few days after six days of nothing. So far in April we've seen 18 days with zero spots, but a large sunspot, Number 953, now is rolling into view. A solar wind stream also is expected to hit Earth, causing a geomagnetic upset on Saturday, April 28.

The Australian Space Forecast Centre predicts quiet-to-unsettled conditions April 27, active-to-minor storm conditions April 28, and active conditions April 29. The US Air Force predicts the planetary A index from April 27 through May 1 at 5, 25, 15, 10 and 8. Similar predictions from Geophysical Institute Prague give

us quiet conditions April 27, active April 28, unsettled to active April 29, unsettled April 30, quiet to unsettled May 1, and back to quiet May 2-3.

There's been a lot of news this week regarding the solar minimum and Predicted solar maximum. On April 25, a Solar Cycle 24 Prediction Panel Consisting of members from NOAA, NASA and other agencies looked at all Available predictions attempted to reach consensus and released a statement <http://www.sec.noaa.gov/SolarCycle/SC24/Statement_01.html>. It looks like the minimum between cycles 23 and 24 may not occur for another year, until March 2008, a year later than recently reported. The accuracy is expected to be plus or minus six months.

Sunspot numbers for April 19 through 25 were 0, 0, 0, 0, 0, 0 and 14, with a mean of 2. The 10.7 cm flux was 68.3, 68.5, 68.7, 68.9, 69.1, 73.2, and 76.5, with a mean of 70.5. Estimated planetary A indices were 6, 3, 2, 10, 18, 4 and 5, with a mean of 6.9. Estimated mid-latitude A indices were 4, 2, 2, 8, 10, 5 and 4, with a mean of 5.

For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <<http://www.arrl.org/tis/info/propagation.html>>.

ARRL

High Altitude Balloon;

Amateur Radio payloads: ARBONET-2, a high-altitude balloon carrying an Amateur Radio payload, is set to launch Saturday, May 5, at 9 AM CDT (1400 UTC), from Red River County Airport in Clarksville, Texas. An unfavorable weather forecast led sponsors to reschedule the launch date from April 28. Using the call sign K5FRC, the "Amateur Radio Balloons over North East Texas" flight will carry a crossband repeater (445.800 MHz up/147.560 MHz down), APRS (144.390 MHz) and a homing and data beacon (145.560 MHz). A 10-meter CW beacon on 28.061 MHz will identify as K5RWK. The ARBONET-2 flight is being dedicated to long-time Amateur Radio high-altitude balloon enthusiast Kim R. Miles, N9IS, who died March 27. He was a prominent member of the Central Indiana Windtrax Organization with more than 30 high-altitude balloon flight operations to his credit. A launch net (K5FRC) will commence at 8:30 AM CDT (1130 UTC) and continue until recovery on 7.260 MHz (plus or minus QRM). The flight is expected to last about two hours. The ARBONET team requests reception reports to the ARBONET Web site <<http://www.arbonet.net/>>. A commemorative QSL card will be available for those submitting reports.

ARRL

ALPHABETIC INDEX A DIRECTORY FOR TRAINED WEATHER SPOTTERS

APRS (Packet radio link) [Automatic-Position-Reporting-System]
Can be accessed on 144.390 MHz. (1200 Baud).

ARES/RACES MANAGERS:

Know your "SM" (Section Manager for the State of Michigan) He is: Dale Williams, WA8EFK and he lives in Dundee, MI., Tel.#: # (734) 529-3232

E-Mail address is: wa8efk@arrl.org.

ARPSC MICHIGAN SECTION PAGE

<http://www.remote.arrl.org/sections/?sect=MI>

ARRL MICHIGAN SECTION:

<http://www.arrl-mi.org>

ARRL – MICHIGAN –SEC

SEC (MICHIGAN)

Martin G. Mendelson III, N8MG Warren, MI

Tel#: (586) 754-9016 (586) 596-2007

E-Mail: N8MG@arrl.org

DEC (DISTRICT 8)

Jason M. Lauzer, W9JTL of Menominee is our District 8 DEC

Tel# (715) 330-9160

E-Mail: jlauzer@yahoo.com

EC’s: (EMERGENCY COORDINATORS) (“Ham”)

COUNTY	NAME	CALL	PHONE	GPS
Baraga	Jim Phillips	KC8YTW	906-361-2041	46.34.21N 88.15.40W
Houghton	Jack Swift	N8WAV	906-482-0530	47.07.20N 88.34.10W
Keweenaw	Gary Hansen	K8YSZ	906-337-1436	47.17.30N 88.25.13W
Marquette	Richard Schwenke	N8GBA	906-249-3837	46.29.16N 87.22.22W
Ontonagon	Alfred Trainer	KC8OCK	906-884-2973	46.49.21N 89.26.05W

EMERGENCY FREQUENCIES:

Monitor: 147.315 MHz (VHF), and if a widespread Michigan emergency, use the recommended 40M and 80M HF frequencies (See the ARPSC page)
(At: 3932 KHz, and 7232 KHz.)

E-SPOTTER REPORTING:

Be familiar with “E-Spotter” connections ahead of time (WWW connections to the weather bureau) – Know how to use it

MONITORING:

All SKYWARN participants are encouraged to tune to 147.315 MHz during periods of inclement weather, as a SKYWARN call may be made ACTIVE, at any time during a storm. (Thanks in advance for your interest!)

NCS:

SKYWARN [PRIMARY] NCS	George R. Thurner, W8FWG	(Laurium)
SKYWARN [SECONDARY (NCS)	Howard F. Klann KD8ABP	(Kearsarge)
SKYWARN (NCS-OTHER)	(Your name) (Call)	(Your QTH)

NWS – Marquette County) [Negaunee]

Can be reached on the Internet at: <http://www.crh.noaa.gov/mqt/>

OEM (OFFICE-OF-EMERGENCY-MEASURES)

Each county has one. Here’s a listing (by county)

Hint: Take a “highlighter” type of pen, and highlight the office in YOUR County for quick reference. Please note: These people are appointed by the county and differ from the “ham” EC’s. (Many are NOT radio “hams.”)

COUNTY	NAME	CALL	PHONE	GPS
Baraga	Duane Smith	N/A	524.7240	46.44.97N 88.26.57W
Houghton	Jack Dueweke	KC8NPI	906.482.6500	47.07.14N 88.34.10W
Keweenaw	Jack Dueweke	KC8NPI	906.337.0528	47.24.47N 88.17.39W
Marquette	Teresa Schwalbach	N/A	475.1134	46.32.28N 87.23.49W
Ontonagon	Bill Johnson	N/A	884.6870	46.52.35N 89.18.46W

PACKET RADIO:

Using regular AX25 protocol, at 1200 Baud, use 145.090 MHz to reach the ham station at Marquette NWS office. (They are: WX8MQT)

Use this path: C CMXLAN.....C KWNW.....C WX8MQT-1)

(Note: WX8MQT-1 is the Official SKYWARN "Mailbox" at the NWS office in Negaunee)

PUBLIC SERVICE:

Since you are already radio equipped (we are assuming 2-meters and/or HF radio), you can be of service to the National Weather Service Office by providing timely information to them

NOAA ALL HAZARDS WEATHER RADIO:

Three radio stations operating in the VHF spectrum are providing you with up to the minute reports of weather in your area. They are listed here for your convenience:

The National Weather Service in Marquette broadcasts weather information on 5 transmitters and the National Weather Service in Gaylord broadcasts on 1 transmitter in the Upper Peninsula. They are:

WXK-73 broadcasting at 162.400 MHz from a transmitter located near Houghton

KIG-66 broadcasting at 162.550 MHz from a transmitter located near Marquette

KZZ-35 broadcasting at 162.500 MHz from a transmitter located near Escanaba

WNG-684 broadcasting at 162.525 MHz from a transmitter located north of Manistique

WNG-576 broadcasting at 162.450 MHz from a transmitter located near Newberry

WNG-683 broadcasting at 162.550 MHz from a transmitter located near Marenisco, with a power output of 300 watts. (Slated to begin operation during the summer of 2007.)

KJY-76 broadcasting at 162.475 MHz from a transmitter located near Crystal Falls with 1000 watts of power (Date of installation is unknown at this time)

KIG-74 broadcasting at 162.55 MHz from a transmitter located near Dafter with 1000 watts of power (programmed from NWS Gaylord office)

REGISTERING:

Register with ARES/RACES for your county with your "EC." (Download a registration form from the ARRL) It is an FSD-98 (Or download it from a separate attachment to this E-Mail note.)

REPORTING METHODS:

You can do this in one of several ways, (listed in their order that you should use)

Amateur Radio (Of course!) (Includes Voice, Digital or CW modes)

E-Spotter (Internet link to the bureau)
Special telephone number (confidential) for trained spotters only)
Regular Telephone service (To their office number)
FAX service
By courier

REPORTING PROCEDURES:

When calling in by telephone to the NWS office, they would like to know the three “w”s.

WHO: (Your name?)
WHAT (Is happening?)
WHERE: (Event is occurring)

As of the spring of 2007, you need not use your “Spotter ID” , just use your name.

Reason: You may be away from your regular QTH, and the would have an inaccurate report, if you were in another county.)

The kinds of information the NWS is expected in is:

Power failures (How wide spread? Local, All of the county, etc.)
Phone service failed? (How much?)
Trees down? Kind of trees and diameter of trees, and how many?
Wind damage in your neighborhood
Lightning damage observed or heard from a reliable source
Water over flood banks in rivers (Don’t go out to look!)
Snowing at a rate of more than (One inch per hour...and accumulations of two or more inches per hour), on the ground.
Tornado sighted (Are you sure it is a tornado?...There must be rotation)
Hailstorm
Any type of structure damage
Fire(s)
911 services failed?

SEVERE WEATHER EVENTS TO REPORT:

Tornado or Funnel Cloud

Wall Cloud: rotating, non-rotating

Hail: Any size, (compare to coin sizes.....dime, nickel, quarter or bigger)

Wind Damage: Trees and branches broken (give diameter), structural damage, etc.

Heavy Rain: 1” or more per hour

Heavy Snow: 1” of more per hour, accumulations of 2” or more.

Flooding: Water over roadways, streams/rivers rising to 1 foot of bankfull, over bankfull, flood damage.

Call: 1-906- 475-5782 (Note: An 800 number is available but is only given out to trained weather spotters.)

SAFETY INFORMATION:

This one is most important! Don’t endanger your life in any way by trying to photograph a tornado, or go out in a hailstorm or a snowstorm (To display your photographic skills!) You are a volunteer observer and no one expects you to take any life threatening measures to report weather! If you are experiencing lightning (or hear thunder) do not use an outdoor antenna for your ham

radio gear, use a small inside antenna, one in which you can reach the “315” repeater with.
Remember, Safety First!

REGISTERING:

Register with ARES/RACES for your county with your “EC.” (Download a registration form from the ARRL) It is an FSD-98 (OR: DOWNLOAD IT FROM THIS MESSAGE.....(SEE FSD-98).

SKYWARN: (National Home Page) www.skywarn.com
SKYWARN (Local-CCRAA Home Page) www.ccraa.net (Click on SKYWARN)

SKYWARN NET:

The SKYWARN NET , serving the Five-County area of : Baraga, Houghton, Keweenaw, Ontonagon, and Marquette in the Upper Peninsula of Michigan was formed in 2006, for the purpose of providing current weather conditions to the NWS office in Negaunee. It was approved by the Office-of-Emergency-Measures of Houghton County (Jack Dueweke, KC8NPI), and also approved by the NWS in Negaunee. This net has regular Friday night training sessions on 147.315 MHz (**PL-100**), [To be changed to **107.2** Hz in May of 2007], The net meets at 2100 hours (9pm Eastern time) each Friday night. These sessions are termed “standby”, and are used for training purpose of amateur radio operators who are members of the local SKYWARN Net. Checkins to this net provide local weather reports as a means of training during the operation of this net. so provided by the NCS each Friday. A national page on the World Wide Web can be viewed at: www.skywarn.org/ The local SKYWARN page can be viewed on the Copper Country Radio Amateur Radio club’s web page at: www.ccraa.net (Just click on SKYWARN).

If there is a need to call up the net to ACTIVE status, W8FWG (or KD8ABP) will activate it by calling up the net on “315” augmented by telephone calls to other hams in adjacent counties, and by the use of an “all call.” (See heading of ALL CALL, listed below) These ACTIVE net sessions will probably last one to two hours at the most, unless weather conditions warrant the net to be active for longer periods of time. An accurate log is kept by either the NCS and/or the Alternate NCS, during periods of activity, and a standardized logging form (provided by W8FWG) is used. NCS will provide frequent breaks to allow low-powered mobiles to report in with “on the scene” reports of destruction. (See WHAT TO REPORT) [listed below] The NWS office has been provided with your name, telephone number and Spotter ID, so that their amateur radio station (WX8MQT) may contact you directly by radio on the “315” repeater. You are asked to please monitor this repeater during periods of inclement weather, or at least have your E-Mail open to an “all-call” from the NCS, as your reports are valuable. Just a few minutes can save someone’s life! YOU ARE VERY IMPORTANT!

STORM SPOTTER TRAINING)

For radio amateurs: Please check out the 2007 listing at the Marquette NOAA Weather page at: <http://www.crh.noaa.gov/mqt/> Under LOCAL INFORMATION, click on “Spotter Training”.

TELEPHONE NUMBERS:

Dueweke, Jack (906) 482-6400 (OEM – Houghton Co.)
Klann, Howard: F. (906) 337-2168 (NCS-Alt.)
NWS Office Negaunee (906) 475-5782 (Public Line)
Petrovich, David (906) 250-9105 (OPL)
Spotter Phone Number (800)-XXX-XXXX (**CONFIDENTIAL** - Only for use by Trained Spotters)
Thurner, George R. (906) 337-2542 (NCS)

Turner, Robin (906) 475-5782 EXT 642 (MIC)
 Zika, Matthew (906) 475-5782 EXT 726 (WCM)

WEATHER SPOTTER TRAINING:

This service is provided free of charge to the general public, and is of especial interest to radio hams, who take part in the reporting procedure using their skills as amateur radio operators. NWS employees provide training in all of the U.P. Counties during the spring of each year. Matthew Zika and his assistants will be traveling (or have already traveled) to your county and put on these two hour (approximately) sessions for you. If you are new to spotter training you will learn a great deal about weather reporting. The NWS advises even trained observers to take a refresher course each year, as new items are always coming into use.

W8FWG: (George R. Thurner) [Primary NCS] and Howard Klann (Alternate NCS] have an "All Call" set up on their computers, so that all SKYWARN members accessed at one time, over the World-Wide-Web..

ALL CALL MEMBERS:

Date: 03/25/2007
SKYWARN MEMBERS
 (All Call List)

COUNTY	NAME	CITY	CALL SIGN
BARAGA	NOPOLA, GERALD	(Watton)	N8CSE
GOGEBIC	ESCHMANN, JOEL	(Ironwood)	KMLD
HOUGHTON	BABBIT, THOMAS	(Elo)	W8KQB
	BEKKALA, HAROLD	(Laurium)	N8IMU
	CHRISTENSEN, PAUL	(Mason)	W9VLM
	COATES, SAMUEL	(Rice Lake)	KE5PX
	DJERF, EDWN	(Calumet)	WB8CBA
	DUEWEKE, JACK	(Hancock)	KC8NPI
	HERLEVICH, JON	(Dodgeville)	N8HZH
	KLANN, HOWARD	(Kearsarge)	KD8ABP
	KONCZEL, MARK	(Hancock)	KC8YDU
	MANNINEN, JOHN	(South Range)	KC8FSO
	MILLER, DANNY	(Laurium)	KB8W
	ODGERS, DALE	(Dollar Bay)	W8DAO
	OLSON, CARL	(Calumet)	N8PIT
	PELTONIEMI, ROY	(Dollar Bay)	WB8ZYL
	SAVOLAINEN, C.	(Jacobsville)	WB8FCY
	THURNER, GEORGE	(Laurium)	W8FWG
KEWEENAW	HANSEN, GARY	(Allouez)	K8YSZ
	POWERS, RICH	(Copper Harbor)	KA8L
	ROYCE, DENNIS	(Eagle Harbor)	K9GIR
	ROYCE, LEE	(Mohawk)	KC8DYG
MARQUETTE	BICIGO, BURNO	(Marquette)	KB8CNK
	ANDERSON, B.	(Ishpeming)	N8PUM
	BUREAU, BRUCE	(Ishpeming)	WB8NJP
	DUMAN, NORMAN	(Ishpeming)	KD8BPC
	GEMBOLIS, LOU	(Ishpeming)	AB8GM
	HANSON, GREG	(Marquette)	KI8AF
	HOFFMAN, MIKE	(Harvey)	KE8IL

	NWS OFFICE	(Negaunee)	WX8MQT
	TURNER, ROBIN	(Negaunee)	KC8TII
	ZIKA, MATTHEW	(Negaunee)	KD8EFY

ONTONAGON	PARKER, JOHN	(Ontonagon)	WB8RVK
	REID, ROBERT	(Ontonagon)	W8UXG
	RICHARDSON, J	(White Pine)	KC8OLT
	TRAINER, AL	(Ontonagon)	KC8OCK
	TRUDGEON, TED	(Ewen)	AA8YF

OTHER	WILLETTE, LYLE	(S.S. Marie)	AB8CB

**COPPER COUNTRY RADIO AMATEUR ASSOCIATION
MONTHLY MEETING MINUTES
April 3, 2007**

- I. Meeting called to order at 7:00 PM by president Glenn-WA8QNF.
- II. Members present:

Glenn-WA8QNF	Paul-KC8FLK
Paul-W9VLM	Andy-N8ZBJ
Ben-KC0NPE	Mark-KB9RQZ
Gavrielah-KD8CTL	George-W8FWG
Howard-KD8ABP	Walt-W8ERB
- III. Minutes for March 6, 2007 were approved.
- IV. Treasurer-Balance-\$3557.
- V. Audit-Walt-W8ERB: Audit was conducted with treasurers balances all OK.
- VI. Three (3) members reapplied and were accepted.
- VII. Next meeting May 1, 2007 7:00 PM at Dollar Bay fire hall.

Meeting adjourned at 7:30 PM.

Respectfully submitted,
Andy-N8ZBJ

KCRA MEETING ANNOUNCEMENT:

Our sister club, the Keweenaw County Repeater Association, Inc. will hold its meeting on Wednesday, July 18, 2006 at the Keweenaw Pines Apartments, in the Community Room, the Annex to Building "C." Keweenaw Pines Apts. Are located just one-half mile north of the Cliff Drive Road near Mohawk. Time: 7:00pm EST. Visit our Web Page at www.kcra-mi.net All persons interested in "ham" radio are invited to attend.

Door prize to be raffled!!!!!!! If you need further information before the meeting date, please call George Thurner, W8FWG (Sec.-Treas.) at (906) 337-2542.

SK

With sadness we note the passing of Henry M. Somero, WA8ICV of Seventh St., Laurium.

W3GN RETURNS TO THE COPPER COUNTRY!

Lawrence T. Fadner (W3GN) formerly of Laurium, and at this writing a resident of Laurel, MD is returning to his native Copper Country. Lawrence will reside at the Northridge Pines Assisted Living Facility on Hwy M-203 out of Calumet. We welcome Lawrence, and look forward to his return in May of this year. Welcome home Lawrence.

OUR CONGRATULATIONS:

We congratulate the following new hams and the hams who upgraded recently, April 26, 2007

KD8GBG	William E. Witt	Bruce Crossing	Technician
KD8GBH	David O. Torrey	Hancock	Technician
KD8GBI	Mark J. Mathe	La Salle, MI	Technician
KD8GBJ	Michael L. Boro	Bergland	Technician
KD8GBK	Ralph K. Bemis	Chassell	Technician
KC9LML	Heath A. Nunnenmacher	Oconomowoc, WI	Technician

KD8ABP	Howard F. Klann	Kearsarge	Upgrade to General
KC9LML	James A. Bittner	Deerfield, IL	Upgrade to General (Was: KC9CFR)
KD8GBL	Peter W. Corbett	Houghton	Upgrade to General (Was: KD8CFX)

NEW U.P. HAM DIRECTORY-2007 EDITION:

We have 20 left of the original 100 printed. If you would like to have a copy, contact George, W8FWG at (906) 337-2542 or E-Mail him at: w8fwg@arrl.net

OFFICER LISTING:

The "LANDLINE" is published monthly by the Copper Country Radio Amateur Association, Inc. Contributions for use in the LANDLINE, relating to the amateur radio service and to the CCRAA are welcomed at any time. Please submit your contributions directly to the editor, and they should be received by the 25th of the month before the meeting. Material received later may or may not make it into that issue. The LANDLINE Editor is Howard F. Klann, KD8ABP. If you have a question or a comment I can be reached at: (906) 337-2168 or E-mail to: msgklann@pasty.net. E-Mail copies are sent by Howard, KD8ABP. Complimentary copies to other radio clubs and the USPS copies are mailed by George, W8FWG. Please refer any delivery problems to the Editor (Howard, KD8ABP) at (906) 337-2168/ Fax (906) 337-0599. To find out more about the CCRAA Inc. or the Amateur Radio Service, please contact one of the officers listed below or write to the **CCRAA, POB 217, Dollar, Bay, MI 49922-0217** or visit us on the web: www.ccraa.net **Ask for our new FREE booklet for new**

prospects to ham radio, for your friends who may be interested in ham radio. It's available in Adobe E-Mail format or via USPS.

PRESIDENT

Glenn P. Ekdahl
WA8QNF
(906)482-7743
wa8qnf@arrl.net

VICE PRESIDENT

Paul A. Kemppainen
KC8FLK
(906)482-4150
pak77@lighthouse.net

SECRETARY

Andrew C. Kangas
N8ZBJ
(906) 483-3820
andykangas@cs.com

TREASURER

Paul M Christensen
W9VLM
(906) 487-5271
pungvait@hotmail.com

CCRAA, INC.

POB 217

DOLLAR BAY MI 49922-0217