

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.ccras.net

Health and Welfare:

Lee J. Royce, KC8DYG has retuned home from
The University of Michigan Hospital (Ann Arbor,MI) on Tuesday October 24, 2006
and is recovering at home.
Denny, K9GIR is also at home in Eagle Harbor, and recovering.
73, George, W8FWG
Roland B. Burgan, (KB8XI), has returned from surgery at the Mayo Clinic, and is
recuperating at home, and continuing treatments at the Marquette General Hospital in
Marquette..

ARRL Web Survey Results

Poll date: April 21, 2006

What is your primary reason for attending Amateur Radio club meetings?

Social contact with other amateurs	36.6 % (975)
Technical programs/presentations	9.6 % (257)
Gets me out of the house	3.2 % (84)
Keeps me aware of happenings in the ham community	14.6 % (389)
I don't attend club meetings	36.0 % (961)

Total votes: 2666

Geo., W8FWG

NEW APRS DIGIS:

Another new APRS digipeater has sprung up! It is located in Lutsen, MN (20 mi. south of Grand Marais, MN) and has Joel's callsign of K9MLD-10. It has already proven valuable in that it can reach the Keweenaw Peninsula and two of the digipeaters here. (W8FWG-8, Osceola) and (W8FWG-9, Herman), and then onto the Internet via Mark's station in Hancock, KC8YDU. These digipeaters are springing up like mushrooms, and will be helpful in relaying APRS messages. Thanks to Joel, K9MLD and Gerry, N0MR, for their work in getting this one fired up! Future plans may add another one in Keweenaw County at the old Calumet Air Force Station. (W8FWG is working on that one now.)

Geo., W8FWG

VE TEAM MEMBERS:

Want to know how often you've served the Copper Country area V.E. Team? ARRL has a new service where you can find out, just follow this path: Connect to: www.arrl.org
Then: Licensing>Exams>ARRL VEC>VE Resources>VE Sessions Counts>Michigan.

Just zoom down the column of call signs until you find yours, (they are arranged alphabetically).

73,

Geo., W8FWG

GOING OUT OF BUSINESS SALE:

Stan Strangle, K8NYT has announced that all ARRL and RSGB books will be going for 50% discount, effective immediately, and in 2007 other items, such as tools, wire, connectors, etc be reduced for quick sale. Call Stan at: (906) 827-3526 for more details. (Stan also has a 3 ele. 10-15-20M beam for sale – priced reasonably)

Geo., W8FWG

GPS Error in Elevation:

The accuracy of GPS height measurements depends on several factors but the most crucial one is the "imperfection" of the earth's shape. Height can be measured in two ways. The GPS uses height (h) above the reference ellipsoid that approximates the earth's surface. The traditional, orthometric height (H) is the height above an imaginary surface called the geoid, which is determined by the earth's gravity and approximated by MSL. The signed difference between the two heights—the difference between the ellipsoid and geoid—is the geoid height (N). The figure above shows the relationships between the different models and explains the reasons why the two hardly ever match spatially.

There is three (3) pages of information explain in technical terms the reason for Error's in GPS elevation readings. **Please note below web address.**

<http://www.esri.com/news/arcuser/0703/geoid1of3.html>

Howard(KD8ABP)

New & Updated Amateurs;

Jonathan Hopper has upgraded to Extra Class along with a call sign change.

Change:

KD8DYP (General Class) to AB8WU (Amateur Extra)

It just came through last night.....October 19, 2006

AB8WU Jonathan Hopper - Eagle River, MI (EXTRA)

The below have received there Tech Lic:

KD8ELJ Jonathan A. Welters - Mio, MI

KD8ELK Weston H. Thomas -Houghton

KD8ELL Edmond J. Meyer IV - Newport, MI

KD8ELM Erik J. Johnson - Laurium

KD8ELN Michael K. Blaser - Hancock

73,

Geo., W8FWG

w8fwg@arrl.net

LSPR-2006:

Our thanks to the Copper Country radio clubs, CCRAA and KCRA once again provided the use

of their repeaters, and to Jack Swift (N8WAV) and Fred Anderson (N8BTS) for providing an additional portable Repeater for use at the south end of Houghton County for the running of the Lake Superior Performance Rally-2006. Our records indicate the following operators took part (there may have been more, but this is what we show) If your name/call doesn't appear here we apologize and would appreciate hearing from you, to be added to the list, and thank you for your participation.

A special thanks to the officials who took part, for all the advance work they did with the Rally.

They were: **NCS:** KC8BST, KI8GM, N8KSO, N8WAV and N8WGS

ADVANCE: N8BTS

RALLYMASTER: KB8PLQ

SERVICE: KA8OQF and W9VLM

CONTROLS: KC8PMD and KC8QEA

SPECTATOR: N8RFB

EMERGENCY SERVICES: N8RRY

Our thanks to the other operators who took part:

Joanne (KC8BST) [NCS]; Fred (N8BTS) {Advance Car}; David (KD8CGA); Jerome (KC0DME); Bill (KC8EKZ); Jim (NJ8F); Richard (KB8FCX); Howard (N8FHF); Paul (KC8FLO); George (W8FWG); Donald (WQ8G); Carl (KI8GM) [NCS]; Thomas (N0GQA); David (KC0HDN); Herman (N0HLS); Erik (KC0IOB); Peter (KC0JKT); Brian (KC8KJL); Douglas (N8KSO) [NCS]; Joe (KC0MLW); Mary (KC0NLF); Bill (KC0NLG); Sean (KC8NUH); Bruce (N0NUN); Eric (KC0NXC); Charlie (KA8OQF) [Service Charlie]; Jean (N8PBD); Kevin (KB8PLQ) [Rallymaster]; Roger (KB9PLR); Jay (KC8PMD) [Controls]; Jim (KC8QEA) [Controls]; Dean (N8RFB) [Spectator]; Elton (KC0RRU); Elmer (N8RRY) [Emergency Services]; Mark (KC0SUW); Bill (KC8SYU); Stephen (KC0TPU); Gene (KC0URN); Paul (KB8VEP); Paul (W9VLM) [Service Paul]; Jack (N8WAV) [NCS]; Paul (KC0WDQ); Scott (N8WGS) [NCS]; Adam (KC8WRZ); Jonathan (AB8WU); Dale (N8XJS); Ted (AA8YF); Andy (N8ZBJ).

Rally Hq this year was the Franklin Square Inn, in Houghton on Sheldon Avenue

The Rally started in Baraga County (Herman) and continued into southern Houghton county, Friday afternoon (October 20) and restarted Saturday morning (Oct. 21) in Keweenaw County. Officially we showed 62 entrants, and 42 finished, with some 20 cars having troubles in the course.

With the use of three repeaters and several simplex frequencies the communications part of the rally went well.

Again our thanks to all of the radio "hams" who helped out,...and if I missed your name please let us know. We'd like to have a complete record of everyone who took part in communications. Geo., W8FWG

GIS Day

GIS Day is a grassroots event that formalizes the practice of geographic information systems (GIS) users and vendors of opening their doors to schools, businesses, and the general public to showcase real-world applications of this important technology. The event is principally sponsored by the National Geographic Society, the Association of American Geographers, University Consortium for Geographic Information Science, the United States Geological Survey, The Library of Congress, Sun Microsystems, Hewlett-Packard, and ESRI. GIS Day 2006 will be held on Nov. 15, 2006.

Howard(KD8ABP)

MORSE CODE

Please understand that the FCC has done nothing to issue its position on retaining or dropping Morse Code testing requirements for license testing. This issue is in WTB Docket 05-235. We continue to have no hint from the Commission as to the date on which this docket will be released. We are pretty certain they will remove the requirement for Morse Code testing for the Technician and General Class licenses. It also seems at least a 50:50 likelihood they will drop this requirement for the Amateur Extra also. ARRL's preference is to keep the code requirement for Extras as one means of making this license Extra. We are even more eager to have the issue decided though the issue of WTB Docket 05-235 so the uncertainty that has been hanging over our heads can be dissolved. At this moment, the Commission's continued indecision is hindering the development of Amateur Radio.

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ARRL, the Reason Amateur Radio is!
Members, the Reason ARRL is!

COPPER COUNTRY RADIO AMATEUR ASSOCIATION MONTHLY MEETING MINUTES OCTOBER 3, 2006

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

Andy-N8ZBJ	Howard-KD8ABP
Glenn-WA8QNF	Dave-KD8CGA
Paul-KC8FLK	Roland-KB8XI
Paul-W9VLM	Gary-K8YSZ
Rich-KB8FCX	Jack-N8WAV
Paul-KC8FLO	George-W8FWG
Mark-KB9RQZ	Virginia-Associate
Tom-W8KQB	Dianne-Associate
Jon-KD8DYP	Chuck-WB8FCY
Richard-K6IPC	James-KC8YTW
Kevin-KC8TRX	
- III. Program-George
License renewal and PSK31
- IV. Minutes for September 5, 2006 were approved.
- V. Treasurer-balance-\$2592.
- VI. Reports:
 - A. Public service-Jack-N8WAV.

FEMA has the courses for RACES on line.

E. Chuck-WB8FCY

The Herman repeater phone line is to be worked on.

F. Property-George-W8FWG.

New antenna on hold.

Port-A-Potty would cost \$100/mo. Put on hold

Two digipeaters operating. One each at Herman and Osceola.

Everything ok at clubhouse.

VII. VE testing-George-W8FWG.

October 14, 2006, 8:30 AM at Wadsworth hall, MTU.

VIII. Pro rally-Rich- KB8FCX

Jack-N8WAV-motioned to allow use of 88 and 67 repeaters. 2nd-Paul-W9VLM.
motion passed unanimously.

IX. A motion by Paul-KC8FLK, 2nd by Roland-KB8XI to allow bidding for surplus duplexer (older unit) from the 88 repeater. passed. Will be brought up at November 14, 2006 meeting.

X. Next meeting- November 14, 2006, at 7:00PM. Dollar Bay fire hall.

XI. Meeting adjourned, 8:20 PM

Respectfully submitted,
Andy Kangas (N8ZBJ)
Secretary

**COPPER COUNTRY RADIO AMATEUR ASSOCIATION
EXECUTIVE BOARD MEETING MINUTES
OCTOBER 25, 2006**

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

II. Roll call: Glen-WA8QNF

Andy-N8ZBJ

Paul-W9VLM

George-W8FWG

Howard-KD8ABP

III. Membership Application-Update.

a. Change dates to 2007

b. Remove Tech+ and Novice

c. Remove newsletter editor name and email address.

d. Remove autodial slots.

e. Add place for officers to initial at bottom of form.

IV. Mailing to former members.

1. Application

2. Newsletter

3. Cover letter

V. Surplus property policy.

It shall be the policy of CCRAA to dispose of surplus property in accordance with the wishes of the membership. The membership shall be notified of possible property disposals before they happen.

1. Any member may make a motion at a Club Meeting that certain item of property be declared Surplus, and upon passing of motion the newsletter editor will list the item in the following newsletter

with a notation that the item may be offered for sale by written bids at the following meeting, after a motion to auction, sell or otherwise dispose of the item(s) will be in order.

2. At the meeting following, all bids will be opened and winner will be announced. Tie bids will be chosen by lottery.

VI. Other business.

1. The 2007 UP DIRECTORY will be done again, Thanks to George.(W8FWG), Gary, K8YSZ) and Lee (KC8DYG).
2. Christmas party to be on agenda.

Meeting adjourned at 8:17 PM.

Respectfully submitted,
Andy Kangas-secretary

Next meeting Tuesday November 14, 2006 – Dollar Bay Fire Hall, 7:00pm

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. Club Members receive E-Mail copies sent by Howard, KD8ABP. Complimentary copies to other radio clubs and the E-mail copies are handled 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.**

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