

Hiawatha Amateur Radio Association of Marquette County
"ARRL Affiliated Since June 7, 1933"

February 2014



The Standing Wave

The monthly newsletter of the Hiawatha Amateur Radio Association of Marquette, Michigan. Comments and suggestions can be sent to the club at P.O. Box 1183, Marquette, Mi 49855 or to the editor at ki8af@arrl.net. Club info, membership, dues, etc can be found on our website at www.qsl.net/k8lod

MONTHLY MEETING: Marquette County Health Department Bldg., Lower Level, Negaunee Township.
Date: February 6, 2014
Time: 7:30 PM

CLUB OFFICERS, 2014
Pres. Fred Mouser KD8JIP
VP: Bruce Carlson N9MDE
Sec. Mike Beltz KD8JIR
Treas. Lucille Scotti KD8PTE
Board Members:
Ralph Watters N8HXG
Lane Dawson WD8PAJ
EC - vacant

STANDING WAVE

Editor, Greg KI8AF
Publishing, Lane WD8PAJ
Distribution, Greg KI8AF

REPEATERS

K8LOD, 147.270 / .870 with 100 Hz PL-Tone Marquette
K8LOD, 146.910 / .310 Ishp.
N8RRZ, 146.640 / .040 Gwinn with 100 Hz PL-tone
K8LOD-3.144.390 APRS Digi Mqt
KB0P, 146.820/.220 w/100 Hz Tone Ely Township

WHAT'S NEXT FOR US

HARA Swap'n'Shop on Saturday February 1st at the Negaunee Township Hall

HARA Swap'n'Shop
Saturday February 1, 2014
Doors open at 9:00am
Negaunee Township Hall



This is **your** clubs major fund raiser for 2014. Please show up and support **your** club. Also don't forget to buy a few raffle tickets for the drawing to be held at the Swap'n'Shop. You don't need to be present to win one of the raffle ticket prizes. And as usual there will be some great door prizes.

See you there!

V.E. TESTING:

03/09 **Marquette**: 8:30am eastern time, (arrive by 8:00am)
Marquette County Health Dept. Bldg,
U.S. 41 just east of the Michigan State Police Post.
You MUST preregister at least by the Tuesday evening preceding the Saturday test date. Contact Rich N8GBA at 249-3837, n8gba@att.net or Greg KI8AF 225-1594, ki8af@arrl.net.

04/12 **Hancock**: 9:00am eastern time, ZION LUTHERAN CHURCH, 400 INGOT STREET, HANCOCK, MI
Ingot Street is located across from the Quincy hill lookout, just north of Hancock...Contact: Glenn Ekdahl, WA8QNF at (906) 482-7743 if you have questions

??/? **Iron Mountain**: 9:00am central time, (arrive by 8:30am)
Dickinson County Library (conference room), contact Mark J. Lewis N8UKD (906) 776-1553, 412 Fairmount St. Kingsford, Mi 49802

??/? **Gladstone**: Delta County Amateur Radio Society Time:
10:00AM (Walk-ins welcome) Contact:
Dave Palmgren - N8DP, n8dp@dcars.org, (906) 428-2271
VEC: ARRL/VEC Location: Gladstone City Hall Main Meeting Room 1100 Delta Ave. Gladstone, MI 49837

Please arrive one-half hour early for test sessions to give time to process applications. Testing applicants should bring the following items with them: Two pieces of I.D. one being a photo I.D., Original license and one clear copy of their license if applicable, Completed form 605 (one will be provided if you don't have one), pencils, calculator and the test fee of \$15.00. Please have the correct fee as examiners do not carry change. *Please contact the individual(s) listed to confirm date(s), location(s), etc.*

HARA's Monthly Meeting Programs

December 2013: Christmas Party

January 2014: Near Vertical Incidence Skywave (NVIS) antennas

February 2014: HF station setup and operation. Bruce N9MDE

March 2014: ARES and RACES. Lou KG8NK

April 2014: Repeater design, installation and setup. Paul KB0P

May 2013: Storm Spotter Training: NWS staff

June 2014: Prep for Field Day 28, 29

July 2014:

August 2014: Summer Picnic

September 2014:

October 2014:

November 2014: Winter Spotter Training. NWS staff

December 2014: Christmas Party

Definition: What is Bandwidth? (find the answer else ware in this edition of the *Standing Wave*)

Birthday Wishes

The "Birthday Wishes" column is now back by request. If you notice an error or your birthday is missed please advise the editor. Birthday Wishes for the month of February go to: Bill KC8EWD, Sheree KD8EDS, Elizabeth KC8BLB, Ryan N8RY, James KC8VJZ, and Raoul W8RDR.

On The Bands

The regenerative receiver is 100 years old this year. It was invented and patented in 1914 by American electrical engineer Edwin Armstrong when he was an undergraduate at Columbia University. Regenerative receiver circuits are still used in low-cost electronic equipment such as garage door openers. *From Joe AJ8MH*

What does this do? VOX

Voice-operated transmit (VOX) eliminates the necessity of manually switching to the transmit mode each time you want to transmit. The transceiver automatically switches to transmit mode when the VOX circuitry senses that you have begun speaking into the microphone briefly. When using VOX, develop the habit of pausing between thoughts to allow the transceiver to drop back to the receive mode. You will then hear if anyone wants to interrupt, plus you will have a short period of time to gather your thoughts before speaking again. VOX is used most often when rag-chewing, such as our newly formed 10 meter net that meets each Friday evening at 7pm local on 28.400MHz. If you are in a noisy environment where machinery is running, your dog is constantly barking, you're coughing, etc. it isn't a good idea to use VOX, then your best option would be using the mic switch manually or a mic foot switch. Also using a desk mic usually works much easier but many of the newer handheld mics also can be used, even some HT radios incorporate the VOX feature. Remember to check your rig's manual for the proper settings for using VOX.



PR.....Happenings

Our PR committee needs input from each of us if we expect them to do their part in getting the word out about our organization and amateur radio. Please contact a committee member well in advance of a happening. PR committee member is: Lane WD8PAJ laned@chartermi.net or 486-8697.



Bruce N9MDE presenting a program about NVIS.

Near Vertical Incident Skywave (NVIS)
Presented by N9MDE, January 2, 2014

Outline

- Introduction to NVIS
- Propagation Diagram and Discussion
- Antennas for NVIS Propagation and Discussion
- Concluding Remarks and Discussion on Close-in Communications

Pete K8PT is wintering in Arizona and at times may long to hear a friendly voice or two from da U.P. So drop Pete an email (k8pt@arrl.net) and he will arrange a schedule for a QSO.

Noquemanon 2014.....was a cold one for sure at Aid Station 5



Andrew KD8SCC was prepared for the cold weather.



Keeping warm, one way or another!





Three photos taken from inside the warm and friendly confines of Andrew's shelter.



And a good, cold and long day was enjoyed by all!

China Hot Air Balloon crashed down in Senkaku/Diaoyu Islands waters

The China Fujian Province amateur Ham Radio club launched a hot air balloon to Senkaku/Diaoyu Islands to declaration of sovereignty on New Year's. The Taiwan Amateur Ham Radio using APRS (Automatic Packet Reporting System) to support and monitoring the entire status during on flight. Unfortunately the hot air balloon flight altitude from 10400 feet falling down to 2700 feet and then the radio signal disappear due to wind wrong or fuel shortage was crashed in Senkaku/Diaoyu Islands waters .The Taiwan Coast Guard contact with Japan Coast Guard to be support for emergency rescue.

Chinese man flying a hot air balloon to a group of disputed islands had to be rescued after his balloon crashed, Japan's Coast Guard has said.

The China Amateur Radio BG6QBV Mr. Bao, sent a message to me at 8:30 morning of 1st Jan. He is an APRS kits designer. One cook took a hot air balloon at 7:00am and destination in Senkaku/Diaoyu disputed islands in north waters of Taiwan, Bao said.

The cook had an APRS handheld and used BH3PZS-3 APRS call sign. Mr. Boas' team lost the balloon signal after 8:19am. We found the balloon APRS signal received via Taiwan APRS igate/digipeater relay system. Thus; we CTARL (Chinese Taipei Amateur Radio League of Taiwan) members start to monitor and support for APRS emergency tracking. The balloon sped over 100km and maintained over 20000 feet and was quite stable. The signal could be received by igate/digipeater even in the central south part of Taiwan, over 250 miles receiving capability. This was a good Taiwan APRS system performance test. We are quite satisfied that this time hi hi ♦

The CTARL members found the balloon starting to descend at 11:10am due to the wrong wind or fuel shortage we guessed. It is quickly falling down to 5500 feet and the signal disappeared at 11:58am finally. We were worried it may have crashed already.

We believe the cook didn't get and permit from China government office for free flight. (The China government still doesn't allow people to have the right to free flight).

At 2:25pm; Taiwan Coast Guard contact with Japan Coast Guard for an emergency rescue and start looking for the hot air balloon in that disputed island waters.

The cook was safe and alive when the Japan Coast Guard found him the water, but he didn't bring a lifeboat on hot air balloon, which was very high risk behavior. The Japanese government didn't arrest him. The Japan Coast Guard decided to repatriate the cook to the China Coast Guard at 7:25pm.

Best regards, Randson Huang /BV2DQ /WJ2I President of CTARL.

Wouxun.us stops selling Wouxun radios

6 January 2014

In a surprise announcement tonight, Ed Griffin of Import Communications (Wouxun.us) has abruptly ended sales and support of the popular Wouxun radios. As one of the largest Wouxun distributors, Import Communications was selling as many as 500 radios per month, according to the company. In an email to customers, Griffin indicated that he had been having difficulty dealing with the manufacturer in China. He also claimed that all Wouxun radios contain an “internal defect” which the factory is unwilling to address. Griffin’s description of the lost memory problem / reverting to speaking Chinese matches my experience with two of my Wouxun radios. Griffin wrote that he would continue to sell Wouxun accessories and is in the process of importing a new dual-band HT manufactured by Anytone.

HARA membership? New member or need to renew your membership? Dues can be mailed to the:
Hiawatha Amateur Radio Association, P.O. Box 1183, Marquette, MI 49855. Dues annual rate structure:
Single \$15.00, Family \$20.00, Associate \$10.00, Family associate \$15.00, Student \$7.50. More
information and an application form is available at <http://www.qsl.net/k8lod/membership.html>

And that's a wrap for another month. Please if you have an article or something which you may think will be of interest to the club membership get it to me. Comments and suggestions are always welcome. 73 until next month,
Greg KI8AF@arrl.net



“Remember to look forward and be positive”

The monthly newsletter of the Hiawatha Amateur Radio Association of Marquette, Michigan. Comments and suggestions can be sent to the club at P.O. Box 1183, Marquette, Mi 49855 or to the editor at ki8af@arrl.net. Club info, membership, dues, etc can be found on our website at www.qsl.net/k8lod. Annual membership dues can be sent to the above address directly.

Don't forget Valentine's Day for your sweetheart!

