

# Mich-A-Con RF

Iron Mountain, Michigan

November 4, 2012

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**Visit the ARRL's Web Site at**  
<http://www.arrl.org>

## **As Hurricane Sandy Wreaks Havoc on East Coast, Hams Heed Call to Help**

**From:**  
*The ARRL Letter*  
11/01/2012

Even though Hurricane Sandy was declared a post-tropical cyclone by the time it made its final landfall -- just 5 miles southwest of Atlantic City, New Jersey at about 8 PM EDT on Monday, October 29 -- the storm still had winds in excess of 80 miles per hour. Hams across the region, from the Carolinas to Maine, responded to requests for assistance and activated local nets, supported the Hurricane Watch Net's and the VoIP Hurricane Net's operations, assisted their local and state Emergency Operations Centers and provided assistance at shelters and wherever needed.

### **New Jersey**

#### **Northern New Jersey**

Two hospitals in New Jersey requested assistance from radio amateurs. According to ARRL Northern New Jersey Section Emergency Coordinator George Sabbi, KC2GLG, the hospitals were experiencing issues with their communications systems they use for direct communications between these their facilities in Middlesex and Union Counties.

Sabbi said that a shelter in Bergen County utilized radio amateurs when it opened on Monday, October 29 until late in the morning

the next day. "Operators went off duty for rest and came back on Tuesday. The Red Cross is working on getting more Amateur Radio resources into additional shelters, noting that travel is a restriction for many volunteers due to the numerous road closures all over the state. I've received several reports of repeaters being on backup power or off-the-air, and in all cases, we've moved to alternate frequencies."

### **Southern New Jersey**

Through its Ham Aid program, the ARRL sent six VHF radios to Ocean County, New Jersey. ARRL Ocean County Emergency Coordinator Bob Murdock, WX2NJ, programmed them for deployment to the six shelters in Ocean County shelters today. One of the ARRL's National VOAD partners, NECHAMA -- Jewish Response to Disaster, provided transportation to Ocean County.

ARRL Southern New Jersey Section Emergency Coordinator John Zaruba, K2ZA, ran a Section Resource net on the SNJ ARES repeater at 7 AM, 1 PM and 7 AM each day to provide support to the County Emergency Coordinators. He sent requests, asking for six relief operators from within the Section to deploy to Atlantic County and another six relief operators to go to Ocean County. Both shoreline counties used Amateur Radio in the shelters run by the American Red Cross.

"As of Wednesday, October 31, commercial communications are coming back on line in the inland counties, with some counties, such as Mercer County, starting to use radio amateurs to assist in damage assessment as roads become more passable," explained ARRL Southern New Jersey Section Manager Gary Wilson, K2GW. "The other counties are being polled for mutual aid operator support to Ocean and Atlantic County. I believe John is also starting communications with the Eastern Pennsylvania, Northern New Jersey and Western Massachusetts Sections about their eventually providing relief operators."

Wilson said that the NJ2EM operation at the New Jersey State Police's State Office of Emergency Management was secured on October 31, "as they have commercial contact now with all of the county EOCs, although their statewide 220 MHz repeater is still available for county-to-county communication."

On Thursday, November 1, Wilson told the ARRL that the "communications emergency" in the nine counties that make up the ARRL's Southern New Jersey Section is over. "While the recovery will take a long time, commercial communications systems are being restored in most parts of the Section," he said. "Amateur Radio emergency operations are continuing in Ocean and Atlantic Counties under the direction of their County Emergency Coordinators."

Ocean County Emergency Coordinator Bob Murdock, WX2NJ, said that the six shelters in the county are being consolidated into one shelter. "At this time, he thinks the one last shelter might remain operational for about a week," Wilson said. "The ARRL Ham Aid VHF radios are working great there. In Atlantic County, Emergency Coordinator John Miller, KC2TNV, reported that relief operators are needed to give the operators a needed rest. Zaruba is currently polling the other counties in the Section for mutual aid operator support to Atlantic County. Both shoreline counties will continue to determine their long-term Amateur Radio needs on a daily basis, based on the American Red Cross' sheltering plans and the state of commercial communication restoration."

Wilson told the ARRL that one of the reasons that New Jersey is somewhat better prepared than other states is that New Jersey Office of Emergency Management won't approve a County Emergency Management Plan unless it includes a RACES annex. "As a result, every county EOC has permanent Amateur Radio capability on 2 meters simplex, a 220 MHz radio aimed at the NJ2EM 220 MHz repeater that covers the entire state, 2 meter APRS for text messaging and HF capability on 75 meters LSB," he explained. "These are tested once each month on statewide nets. Similarly each American Red Cross chapter tests its 2 meter capability monthly with the central Red Cross station at N2ARC in Princeton, which then links to the State Emergency Operations Center in West Trenton. And of course, each county has a 2 meter repeater designated for their own work at the county level."

Wilson thanked all of the ARES/RACES operators in Southern New Jersey Section: "You showed that planning, regular monthly tests and dedication pay off when it comes to helping our fellow citizens in a communication emergency. When all else fails, Amateur Radio works!"

## **Eastern New York**

The Eastern New York Section Coordination Net on the N2ACF system operated throughout Hurricane Sandy, concluding their operations on Tuesday at noon. According to ARRL Eastern New York Section Emergency Coordinator David Galletly, KM2O, Section leadership assessed the incoming reports and determined the duration of continued operations following the passage of Sandy through the Section when the net resumed on Tuesday morning. Even though the formal nets are over, the system will still be available for informal use by those stations that still need emergency communication coordination.

Galletly asked the Emergency Coordinators in the Sections to check in to the net when it resumes "to report on continued deployments and support activities. Using this information we will try to determine if any reallocation

of operators by mutual aid is needed and prepare requests for shifting resources to areas in greatest need.”

Following a request from Westchester County Emergency Coordinator Tom Raffaelli, WB2NHC, operators from the Northern and Central Districts in the ARRL’s Eastern New York Section have begun to deploy to relieve Westchester operators. Galletly and Central District Emergency Coordinator Leonard Signoretti, N2LEN, arrived in Westchester on Thursday, November 1, to provide relief shelter duty. Operators from Albany will arrive in Westchester later on Thursday. Galletly said that he is requesting additional relief operators from other counties in the Section.

## **Connecticut**

Hams associated with SKYWARN were very active in Connecticut. “Assistant District Emergency Coordinator for SKYWARN Jim McBride, KD1LD, kept all of us updated about current conditions and did a great job working with our very dedicated SKYWARN Emergency Coordinators who coordinated activity in their counties,” explained ARRL Connecticut Section Manager Betsey Doane, K1EIC. “We had hams in Hartford, Fairfield, New London and Windham Counties who participated in the SKYWARN nets. We needed a fill-in for New Haven County, so Craig Lang, W1MHZ, spontaneously volunteered, even under his own emergency conditions. He ran a few nets while camped out at his neighbor’s home; as I understand it, he had to be evacuated. His work was commendable.”

Many shelters throughout the Section were supported by radio amateurs, some of whom are also CERT trained. Stamford Emergency Coordinator Jon Perelstein, WB2RYV, reported that eight volunteers and two American Red Cross disaster leaders -- most of whom are members of the Stamford Amateur Radio Association -- supported the three Stamford shelters, provided backup communications for Red Cross between the shelters, the Emergency Operations Center and the Red Cross chapter house in Darien. Those staffing the shelters did everything from intake to cooking to support for the elderly and infirm. Other hams staffed the Citizen Service Line, also in Stamford. This service provides a way for Stamford residents to phone in and request information about evacuation plans. The hams also took reports of downed trees and power lines for dispatch of Connecticut Light & Power and city work crews.

“While backup communications were not needed during Hurricane Sandy, we had operators at all the shelters in the area, at the EOC and at the Darien Red Cross chapter house,” Doane said. “Our ham volunteers also became involved as ‘expeditors’ in dealing with various problems, such as untangling a (non-radio) communications issue that was interfering with food deliveries to the Stamford shelters. In the aftermath of the storm, the Stamford Mayor Michael Pavia was careful to single out SARA participants

to various visiting politicians, including US Senator Richard Blumenthal. Both the mayor and the Director of Public Safety made specific mention of amateur radio in thanking the various volunteer groups who helped the city.”

In the western part of the state, Danbury Emergency Coordinator Mark Hertzbert, WA2IZQ, and his ARES group staffed the Danbury Emergency Operations Center, the shelter at the War Memorial and Danbury Hospital. “They served as backup communicators and were generally useful to the served agencies in tasks that were not necessarily communication-related,” Doane explained. “Everyone participated in continually assessing the situation in their areas of responsibility.”

## **North Carolina**

According to ARRL North Carolina Section Emergency Coordinator/North Carolina RACES Officer Tom Brown, N4TAB, ARES groups in the state participated in response to Hurricane Sandy activities. “Local teams operated during the response-and-recovery phases at several County Emergency Operations Centers and at the State EOC at Raleigh; all operators participated under the NIMS/ICS model,” he said. “The AUXCOMM team at the State EOC operated under the ALL HAZARDS model and we had several Communication Leaders (COMLs) and a Communication Technician (COMT) from our own resource group on duty at all times.”

## **Delaware**

ARRL Delaware Section Manager Frank Filipkowski, AD3M, thanked all those in his Section who provided assistance: “I wish to thank all members in the ARRL Delaware Section for volunteering their time and effort in support of radio communications efforts during and after Hurricane Sandy. The members who left their loved ones behind to volunteer at emergency shelters and Emergency Operation Centers, police and fire stations get my heartfelt ‘thank you’ for your extra effort during our communities’ urgent need to leave their homes and families behind to support the greater good serving your community. It is at times like these that it makes me proud to be a member of citizen volunteers who give back their time knowledge equipment and love of their hobby to support their community.”

## **Ohio**

There was rain, high winds, localized flooding and power outages in Northwest Ohio. ARRL Ohio Section Emergency Coordinator Matthew Welch, W8DEC, told the ARRL that ARES members were activated in Jefferson County to monitor the level of the Ohio River. In Lorain County, the American Red Cross requested assistance from the local ARES group to provide communications assistance for two shelters.

## Words from the President:

Tom W8JWN

### Veterans Day Event Canceled

After much consideration, based on the time constraints and the lack of more club member involvement, the Veterans Day event has been canceled this year.

I would like to thank those that did express an interest in participating.

Many members, including your president, are looking forward to deer season and will use the weekend of November 10-11 in preparation for the season. It was too much packed into a few days before November 15<sup>th</sup>.

If the membership would like to continue this important event in honoring our veterans and promoting the Upper Peninsula Veterans Memorial, make your thoughts and ideas known at the next meeting.

I have notified the Kiwanis Ski Club of our decision not to operate from their building.

Someone recently asked me what was the club's mission? The Preamble to our constitution states:

*We, the members, desiring to further the interest of Amateur Radio in the community, to further individual skills, to improve co-operation among its members, and to enjoy the pleasure and benefits of the association of those interested in Amateur Radio, do hereby constitute ourselves the Mich-A-Con Amateur Radio Club and do enact this Constitution as our governing law.*

We must continue to work together to further interest in ham radio, to improve our skills, and to foster club activities.

73,  
Tom W8JWN

Election of Club Officers is on the Agenda for the November Meeting!  
Please be sure to attend!

Field Day results are available on line:  
[http://www.arrl.org/results-database?event\\_id=37444](http://www.arrl.org/results-database?event_id=37444)

## **Hawaii Hams Activate for Tsunami Warning**

**From:  
The ARRL Letter  
11/01/2012**

On Saturday, October 27, radio amateurs in Hawaii responded to a tsunami warning, providing valuable and timely information to emergency management officials. The tsunami was triggered by a magnitude 7.7 earthquake which struck at 5:04 PM HST (0304 UTC on Sunday, October 28) in the Queen Charlotte Islands, located off the coast of British Columbia, Canada.

At 7:14 PM\*, the Pacific Tsunami Warning Center (PTWC) sent out a tsunami warning and said that the tsunami had an estimated wave arrival time of 10:28 PM. After being notified, Hawaii State Civil Defense RACES Coordinator Ron Hashiro, AH6RH, began notifying Oahu leaders via cell phone while ARRL Hawaii Section Emergency Coordinator Kevin Bogan, AH6QO, began activating the ARES Emergency Coordinators on each island.

“The initial telephone alert process took 12 minutes and radio operators continued the coordination and activation while driving to the Emergency Operations Centers and points of operation,” Hashiro told the ARRL. “Chuck Oh, N6NCT, on Oahu activated the Department of Emergency Management (DEM) RACES organization and eight hams responded to the Oahu EOC. Tom Geier, KH6BLA, served as net control on the DEM net on the 146.88 MHz repeater with 35 hams checking in. Clem Jung, KH7HO, and Rick Kimitsuka, KH6OM, led eight hams in DEM District IV -- along the Windward Coast of Oahu -- and operated on the 146.66 MHz Olomana and 146.64 Laie repeaters and simplex frequencies.”

According to Hashiro, Mel Fukunaga, KH6H, went to the Maui EOC, while Harvey Motomura, AH6JA, went to the Hilo EOC, located on the Big Island. “The Community Emergency Response Teams (CERT) on Upcountry Maui on the slopes of Mt Haleakala responded to provide coverage for the communities in that area,” he explained. “Nancy Kala, WH7XO, coordinated the activities of both hams and non-ham CERT members. Several hams operated on the Healthcomm 80 meter frequency, led by Jack Tsujimura, KH6DQ, who served as net control.”

State Civil Defense (SCD) RACES radio operators arrived onsite at the SCD Emergency Operations Center in Diamond Head Crater and began operations at 8:02 PM. Hashiro and Bogan teamed up as operators on the interisland VHF repeater system, sharing control between a radio and a PC connected to the Allstar controller for the 147.06 MHz repeater -- located on the rim of Diamond Head Crater -- via the Internet. “Larry Sue, AH6SP, manned the 40 meter HF radio, and Robin Liu, AH6CP, ran the Oahu Allstar linked VHF/UHF repeater network,” Hashiro said. “This network is comprised of four linked VHF and UHF repeaters and uses a PC connected

via the Internet; it is monitored Hawaii's Department of Emergency Management (DEM) net on the Diamond Head 146.88 MHz repeater. Messages received via radio were sent by the internal e-mail to both the State Warning Point and Operations Desk."

Hashiro explained that the nets handled various tactical messages regarding communication checks, the progress of preparations and the arrival of people at the designated tsunami refuge centers, as well as road closures near the waterfront. The sirens on Oahu sounded at 8 PM, which was less than the prescribed three-hour lead time notice normally given for sounding the first sirens. The sirens on Maui sounded at 8:25 PM, and the sirens on the west coast of the Big Island sounded at 8:33 PM, as reported by the resident hams.

At 10 PM, the State Civil Defense net changed reporting formats, going from "normal" to only requesting tactical message traffic that included estimates of changes to the ocean level. But due to darkness and the evacuation, Hashiro said that not many hams were in position to see ocean level changes.

Kalani Ku, WH6KX, was with Maui Police Department officers on the north side of Maui at Kahului Harbor, and passed along timely reports of ocean level changes from each passing wave. "Ku had previous experience reporting wave heights during the February 2010 Chilean tsunami, and at 10:53 PM, he noted the water receding from the harbor by a level of two to three feet," Hashiro said. "His reports over the next hour of +2 feet and -3 feet changes mirrored the measurements of the tide gauges monitored by the PTWC. The tide gauges at Kahului Harbor recorded the greatest level changes during this event, and Amateur Radio reported the results in real time."

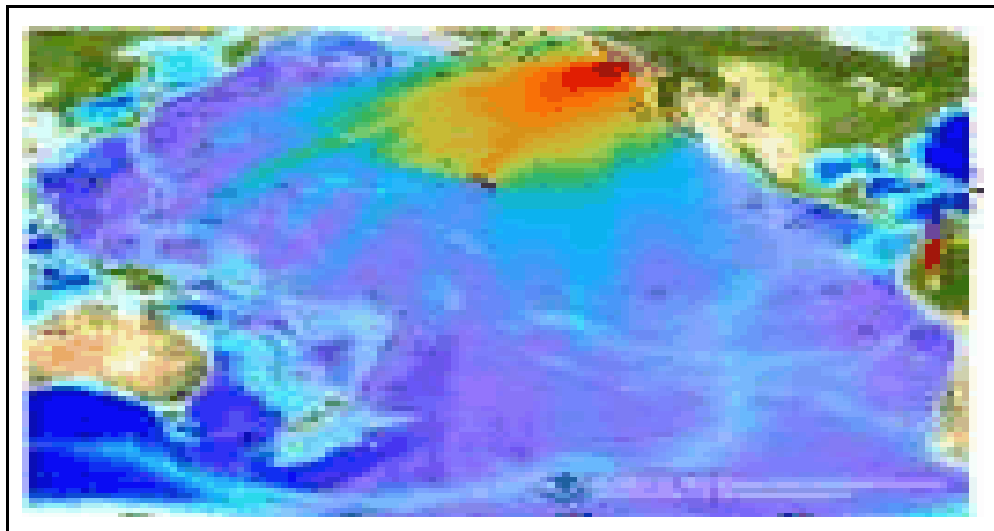
Dave Garrison, AL4A, monitored and reported the successive waves from the Pacific Whale Foundation location at Maalaea, located near Kihei on Maui's south shore, with reports ranging from +2 feet and -3 feet. "This was Dave's first experience filing real-time tsunami reports," Hashiro noted. "The differing ocean levels reported almost concurrently by Ku and Garrison demonstrated the effects and delay of the tsunami waves from Canada wrapping around the island of Maui."

Hams at the different EOCs, including the State EOC and the Maui and Oahu County EOCs, received these reports simultaneously and in real time. "At the SCD, the personnel at the county EOCs and the PTWC held periodic video conferences to discuss these recent reports and make forecasts and determinations for the next interim period," Hashiro told the ARRL. "ARRL Hawaii SEC Kevin Bogan, AH6QO -- who has a regular position as a State Warning Point Supervisor at SCD -- was off duty at the time, but he sat in as a representative of SCD RACES. With the approval of the Operations Chief and Vice Director, Kevin contributed the reports by the hams to the videoconference, which helped the PTWC confirm the assessment and forecast of the prevailing conditions. The determination was made to downgrade the warning to an advisory effective at 12:54 AM on Sunday, October 28." The SCD net secured at 1:05 AM, and the operators at DEM secured about an hour later.



“This event proved a challenge in getting the initial notification and coordination going,” Hashiro explained. “One of the complicating factors in the initial alert was some team members were looking at the previous PTWC bulletin for Hawaii that didn’t contain the warning for Hawaii. They were fixated on the embedded information product issued by the West Coast and Alaska Tsunami Warning Center at Palmer, Alaska that contained a regional warning for Washington, Oregon and California only. There was a slight delay to pull up and read the latest Hawaii bulletin to confirm receiving the latest status. Others had subscribed to e-mail alerts from non-government websites, and those relayed the Pacific Ocean bulletins and not the bulletins for Hawaii. That bulletin indicated no wide-spread tsunami threat for the Pacific, and it was not updated for the change in Hawaii status. The other factor was the alert was received on a Saturday evening during the dinner hour.”

Hashiro told the ARRL that one of the changes being looked at is “to identify and task bulletin stations to receive the alert notification early from one of the leaders, and put out a bulletin immediately on the key repeater frequencies, while the rest of the telephone call down list is still in progress. That would keep stations on standby on the net frequencies until the official confirmations are received to formally activate a response. By keeping the nets focused, simplifying the reports and requesting only the essential information to be reported, the radio amateurs involved were able to sustain and accomplish their mission of real-time reporting to the EOCs. Both veteran operators and newcomers were successfully integrated into the various reporting nets.”



This image from the National Oceanic and Atmospheric Administration (NOAA) shows the far-reaching effects of the 7.7 magnitude earthquake that struck British Columbia on October 28. The earthquake triggered a tsunami warning in Hawaii (located on the map at 51407).

## *Mich-A-Con ARC Activities for November 2012*

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thur</i>	<i>Fri</i>	<i>Sat</i>
				1 <i>ARES</i>	2	3
4	5	6 <i>Election Day</i>	7	8 <i>ARES</i>	9	10
11	12	13 <i>Meeting</i>  <i>Election of Club Officers</i>	14	15 <i>ARES</i>	16	17 <i>BREAKFAST</i>
18	19	20	21	22 <i>Thanksgiving</i>	23	24
25	26	27	28	29 <i>ARES</i>	30	

**Club Activities:**

**ARES Nets are conducted at 6:30 PM Central Time every Thursday on our 2-meter repeater (146.850 MHz.)**

**Meeting: The Mich-A-Con Club meets the second Tuesday of the month at the Dickinson County Library at 7:00 PM. Visitors and Prospective Members are always welcome.**

**Our Saturday Morning Breakfast is held on the 3<sup>rd</sup> Saturday of every month at 9:00 AM at the Holiday Kitchen Restaurant on Stephenson Ave (US-2) in Iron Mountain.**

**Club Repeaters:**

**The club maintains two repeaters, which are located on Pine Mountain (Elevation 1650 ft) in Iron Mountain, with tower and facilities provided by the Wisconsin Electric Power Co.**

**The range of the 2 meter repeater is about 40 miles under normal conditions, depending upon terrain. The 440 MHz repeater has a range of about 25 miles.**

<b><i>OUTPUT</i></b>	<b><i>OFFSET</i></b>	<b><i>PLTONE</i></b>	<b><i>CALLSIGN</i></b>
<u>146.850</u>	<u>MINUS</u>	<u>-</u>	<u>WA8FXQ</u>
<u>444.850</u>	<u>PLUS</u>	<u>100 Hz</u>	<u>WA8FXQ</u>

**Repeater Specifications;**

The 146.85 repeater is a Melco Hi Pro (built from a kit in the 1970s with a 25 watt output. The repeaters share a Diamond dual band antenna at a tower height of 125 ft.

**V.E. TESTING:**

11/3 Iron Mountain: 9:30am central time, Dickinson County Library(conference room), contact Mark J. Lewis N8UKD, Fairmount St. Kingsford, Mi 49802. Examinees must be pre-registered. (906-776-1553).

12/10Marquette: 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 pre-register by Tuesday preceding the test date. Contact Rich Schwenke, N8GBA at 906 249-3837 e-mail: [n8gba@chartermi.net](mailto:n8gba@chartermi.net) or Greg KI8AF 906 225-1594 [ki8af@arrl.net](mailto:ki8af@arrl.net).

1/?? Hancock: 8:30am eastern time, The Zion Lutheran Church, 400 Ingot St Hancock, Mi. Go north on hwy 41 (Quincy Hill) near the lookout. Turn left on Ingot up about one block. The church is on the left hand side of the street. This is a barrier free entrance for the handicapped Contact Glenn Ekdahl, WA8QNF at (906) 482-7743 or email: [wa8qnf@arrl.net](mailto:wa8qnf@arrl.net) if you have questions. You can now take a Hamexam "Anytime". Contact Glenn, WA8QNF at (906)482-7743 for details.

10/13 Gladstone: Sponsor: Delta County Amateur Radio Society Time:10:00 AM (Walk-ins welcome) Contact: Dave Palmgren N8DP, (906) 428-2271, [n8dp@dcars.org](mailto:n8dp@dcars.org) Vec: ARRL/VECLocation: 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. Note: If you have been assigned a FRN from the FCC you must use it on all forms rather than your SSN

Please remit dues to :  
**Burt Armbrust WB8EBS**  
**693**

**Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**City, State, Zip** \_\_\_\_\_

**Please make check payable to Mich-A-Con ARC**  
**Annual dues for Full Membership - Single \$20 \_\_\* Family \$30 \_\_**  
**Repeater Only \$10 \_\_\*\***

**If family membership, please list additional names and call signs:** \_\_\_\_\_  
**City, State, Zip** \_\_\_\_\_  
**Call Sign:** \_\_\_\_\_  
**Email Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**ARRL Member? Yes \_\_\_ No \_\_\_**

**Mich-A-Con Amateur Radio Club**  
**Minutes of the October 9<sup>th</sup>, 2012 Meeting**

President Tom Martin called the meeting to order at 7:00 p.m.

**Secretary Report**

The minutes of the September 11<sup>th</sup> meeting were read and approved.

**Treasurer Report**

Checks were written to: AT&T for \$26.04

Balances as of September 1<sup>st</sup>, 2012:

Checking - \$78.91

Regular Savings - \$2,298.76 of which \$1,828.65 is in the Trailer Fund.

Repeater Savings - \$1,003.21

Petty Cash - \$6.00

We now have 36 paid members.

**Repeater Report**

No problems were reported.

**ARES**

Has not been meeting. Dennis will be back Oct. 11<sup>th</sup>.

**Old Business**

After several Monday mornings at the EOC in the Dickinson County Sheriff's Department, the Hustler vertical is now tuned! Burt (WB8EBS) and Skip (KE9L) did the chilly roof work and President Tom ((W8JWX) made SWR measurements with the MFJ259 B in Pete's (KC8JRH) cozy office.

They got the SWR down to 2:1 on 3.930 kHz, and 1.6:1 on 7.230 kHz, the frequencies used for ARES and RACES. SWR is fine on 10, 15, and 20 meters. Thank You Burt & Skip & Tom. Pete will have some shelves installed.

The 6th Anniversary of our Veterans Day event will be Saturday November 10<sup>th</sup> through Monday November 12<sup>th</sup> in the Springer Haus at the top of giant Pine Mountain. 9:00 am – 4:00 pm Saturday (set-up and operate). 9:00 am – 4:00 pm on Sunday (operate). Monday, Veterans Day (Operate & Tear Down) from 8:00 am – 5:00 pm. Call Sign K8V. A sign-up sheet was passed around

President Tom spoke w/ Louie Gembolis, President of Hiawatha Radio Club in MQT again. He said that the Sheriff's department should have funds available for the purchase of a dipole antenna which would be better for communication to Marquette & Lansing. Would require approval by the County Board.

Louis said the new repeater they're setting up will be able to cover Baraga, Iron & Dickinson Counties.

**New Business**

Nov. 13th will be election of club officers. All members are encouraged to attend and vote.

Thank You Fred Broschart (KC9SBY) for the donation of a nice laptop computer for EOC and general club use. President Tom installed some software and also asked for approval to purchase N3FJP logging program for the new laptop at a \$30 estimated cost. Motion by Burt, support by Joe Ferris. Motion passed.

Beware of QTH.com scam. Scammers are advertising great deals and then not sending the purchased merchandise after the payment is made. Advice: never send money through Western Union, check the call sign to make sure it's valid and get and check the phone #.

Burt (WB8EBS) purchased a small used Plano tool box and some miscellaneous tools from Habitat Restore and donated it to the club.

### **Adjournment**

The meeting was adjourned at 6:32 p.m.

### **For the Good of the Order**

Attendees reported on their recent activities.

Submitted by Paul Schultz

### **Attendees**

Tom Martin, W8JWN – President  
Burton Armbrust Sr., WB8EBS - Treasurer  
Scott Jarmusch, KA8TFF - Vice President  
Paul Schultz, KD8KUF – Secretary  
Joe Ferris, KC9TQR  
Tom Heyboer, KC8TH  
Jim Faulkner, KC8CKX  
Jim Riverside, K8ABS  
Joe Komblevicz, KB8ETK



Club Patches are available from:  
Burt Armbrust WB8EBS  
693 Cliff St  
Quinnesec, Mi 49876

The patches are 3 inches in diameter and sell for \$3 each.

If ordering by mail please include a SASE along with your payment.

## **Club Meetings:**

The Mich-A-Con Amateur Radio Club meets on the second Tuesday of the month in the Dickinson County Library at 7:00 PM. Visitors and prospective members are always welcome!

The URL for the Mich-A-Con ARC web site is: <http://www.qsl.net/ka1ddb/>

Previous editions of Mich-A-Con RF can be accessed by a link on the news page.

The ARRL DX Bulletin on the Upcoming Activities page is updated each Thursday and the contests section is updated on a monthly basis.

## **Club Officers:**

### **President:**

Tom Martin, W8JWN  
(906) 774-5463  
[tmartin@chartermi.net](mailto:tmartin@chartermi.net)

### **Vice President:**

Scott Jarmusch KA8TFF  
[s\\_jarmusch@yahoo.com](mailto:s_jarmusch@yahoo.com)

### **Secretary:**

Paul Schultz KD8KUF  
(906) 774-8900  
[pauls@schultzequipment.com](mailto:pauls@schultzequipment.com)

### **Treasurer:**

Burt Armbrust WB8EBS  
(906) 774-8383 retary:  
Paul Schultz KD8  
[wb8ebs@yahoo.com](mailto:wb8ebs@yahoo.com)

## **Reminders:**

**Club dues for the year 2012 were payable on January 1<sup>st</sup>.** Please use the Membership Application - Renewal form when paying your dues. Checks should be made payable to : Mich-A-Con Arc and sent to our Treasurer, Burt Armbrust WB8EBS at the address listed on the form. Thank-you for supporting your club!

**The Next Mich-A-Con Meeting will be held on Tuesday November 13th, 2012. It will be held in the Dickinson County Library at 7 PM**

## **Wanted:**

**Your Articles, Your pictures  
and your Input for the  
Newsletter!**

### **Send them to:**

**[kd8ccp@arri.net](mailto:kd8ccp@arri.net)**