

Mich-A-Con RF

Iron Mountain, Michigan

September 2011

In This Issue:

Scouts to Take to the Airwaves
for the 54th Jamboree on the Air

Words from The President

VE Testing

Dues Form

Minutes of the Sept 13th 2011
meeting

Treasurers Report

White House Names Ham as new
Cybersecurity Coordinator

Club Patches

Calendar of Events

Club Activities

Club Repeaters

Club Meetings

Club Officers

Reminders

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

Scouts to Take to the Airwaves for the 54th Jamboree on the Air

from:

The ARRL Letter for September 29th 2011

09/28/2011

Each year, more than 500,000 Scouts in more than 100 countries take to the airwaves on the third full weekend in October -- and this year will be no different. The Jamboree On The Air (**JOTA**) is an annual Scouting and Amateur Radio event sponsored by the World Scout Bureau of the World Organization of the Scout Movement (**WOSM**). JOTA is an annual event where Boy Scouts, Girl Scouts and Girl Guides from all over the world speak to each other via Amateur Radio. Since 1958 -- when the first Jamboree on the Air was held -- millions of Scouts have met through this event. Many contacts made during JOTA have resulted in pen pals and links between Scout troops that have lasted many years. The radio stations are operated by radio amateurs; many Scouts and leaders hold licenses and have their own stations. The majority of JOTA Scouts participate through stations operated by local radio clubs and individual hams.

Scouts of any age can participate, from **Brownies** to **Ambassadors**, from **Cub Scouts** to **Boy Scouts** and **Venturers**. Once at the ham radio station, the communication typically requires speaking into a microphone and listening on the station speakers. But many forms of specialized communication can also take place, such as video communication, digital communication using typed words on the computer screen transmitted by radio, communication through a satellite relay or an earth-based relay (called a repeater). The exchanges include such information as name, location, Scout rank, age and hobbies. The stations you'll be communicating with can be other Scouts across town, across the country -- even around the world! The World Scout Bureau reported that the 2010 JOTA had more than 700,000 Scout participants from nearly 6000 Amateur Radio stations!

Besides being the editor of **OEX**, Larry Wolfgang, *WR1B*, is also a life-long Boy Scout; he is currently a member of his District Advancement Committee and a member of Troop 60 in Oakdale, Connecticut. "JOTA is one of my favorite operating activities," he reminisced. "Whether I am

running a station at a District Camporee, Cub Activity Day or just getting on the air by myself, it is sure to be a fun time. Just the mention of JOTA brings a flood of memories. My first JOTA was in a tent in my backyard as a 16 year old Novice, WN3JQM. Heavy rains overnight left a puddle of water inside the operating tent. When Garry, WN3JQL, and I found Terry, WN3JQK, operating with his feet in that puddle of water, we decided it was time to pull the plug! Since then, whether it was a drier operation the next year or another very rainy day at a Cub Scout activity many years later -- where Jean, WB3IOS, and I made one contact that lasted until that operator talked with every Cub Scout at the camp that day (easily more than 100) -- JOTA has been a fun time. I remember icy cold Camporees and beautiful autumn days. We've had groups of Scouts at W1AW, and one year, Dennis, K7BV, set up his 6 meter meteor scatter station at camp for the Scouts."

The 54th Jamboree on the Air is October 15–16, 2011. The official hours are 0000 (local time) Saturday, October 15 (right at midnight Friday) through midnight (local time) Sunday, October 16 (midnight Sunday evening).

Stations that participate in JOTA should call "CQ Jamboree" or answer stations doing so. Any authorized frequency may be used. The World Scout Bureau recommends that stations use the agreed World Scout Frequencies:

80 meters -- 3.690 and 3.940 MHz (SSB), 3.570 MHz (CW)

40 meters -- 7.090, 7.190 and 7.270 MHz (SSB), 7.030 MHz (CW)*

20 meters -- 14.290 MHz (SSB), 14.060 MHz (CW)

17 meters -- 18.140 MHz (SSB), 18.080 MHz (CW)

15 meters -- 21.360 MHz (SSB), 21.140 MHz (CW)

12 meters -- 24.960 MHz (SSB), 24.910 MHz (CW)

10 meters -- 28.390 MHz (SSB), 28.180 MHz (CW)

6 meters -- 50.160 MHz (SSB), 50.160 MHz (CW)

** Amateurs in IARU Region 2 are not authorized to transmit on these frequencies.*

These are "calling frequencies." After contact has been made, you should move off that frequency (either above or below) to continue your contact and allow others to use the calling frequency.

The **AO-51 satellite** will be made available for JOTA. It will remain in its current configuration, with an understanding that contacts involving Scouts will be given first priority during this period. The current operating mode of AO-51 is as follows:

Uplink: 145.880 MHz FM (no PL tone)

Downlink: 435.150 MHz FM

Please keep in mind that this is not a contest to contact the most stations during JOTA. You do not need to submit your logs.

2011 JOTA Theme: *Peace, Environment and Natural Disasters*

How can the use of modern means of communication help save lives? How can each Scout prepare to intervene to save lives during great natural or climatic disasters? According to the WOSM, Scouts showed that they know how to quickly and efficiently react during the earthquakes and tsunamis that affected Thailand in 2004, Haiti in 2010 and Japan earlier this year: "To act accordingly to prepare youth to be confronted to difficult circumstances and reinforce the existing partnerships with National or International Humanitarian Organizations, the National Scout Organizations are invited to organize activities in partnership with locally active NGOs which operate in these three areas: Peace, Environment and Natural Disasters."

There are Scout groups nearly everywhere, well organized, with good contacts in the local community. The Scouts are usually trained in basic first-aid medical techniques and orienteering. They have the material that is needed to set up a temporary shelter quickly, such as tents, cooking material, construction material. This equipment used for recreational camping can also be used in an emergency.

How Can I Participate As a Scout?

In the US, JOTA is primarily a Boy Scout event, though girls are welcome to participate, too. The best way to get involved is to contact your local BSA Council and see what may already be planned in your area. You can also contact a local ham radio operator or a local Amateur Radio club. You can find a searchable database of clubs [here](#). Your local club may be able to direct you to its planned JOTA activities. These can include ham stations set up at camporees or other events. If there are no planned activities, you can either work with them to get something set up or arrange to visit a local radio operator's ham shack at a scheduled time to participate in JOTA.

How Can I Participate as an Amateur Radio Operator?

Contact your local BSA Council and see what may already be planned in your area and how you can help. You can find your council [here](#). If nothing is currently planned, or if current plans aren't reaching your area, you can work with the Council or a local unit (Pack, Troop or Crew) to set up a JOTA station or arrange for visits to your ham shack. You can also participate just by making QSOs with the many JOTA stations that will be on the air.

More Information Available

Here are some links where you can find more information on the 54th Jamboree On The Air.

The ARRL's JOTA web page: <http://www.arrl.org/jamboree-on-the-air-jota>

The World Organization of the Scout Movement's JOTA web page:
http://www.scout.org/en/information_events/events/jota/the_54th_jota_2011

The Boy Scouts of America's JOTA web page: <http://www.scouting.org/jota.aspx>

"The best JOTAs have been when I was able to gather a group of Scouts around a radio and let them take over the controls as they found other Scouts and operators to talk with," Wolfgang said. "Whether it is an SSB contact, or operating CW or digital modes, everyone loves to see how far they can reach. There are always plenty of stations on the air for JOTA, so gather some Scouts and have a wonderful time. Try a new mode, show the Scouts how to run PSK and let them take over the computer, send SSTV images of the Scouts or put them on a local 2 meter repeater. No matter what you try, the Scouts are sure to have a great time, and you may just hook some new operators for your efforts." -- *Thanks to the World Organization of the Scout Movement, the Boy Scouts of America, the Girl Scouts of the USA and AMSAT for some information*

Words from the President

Tom, W8JWN

We are finally getting the Emergency Services station set up in the Dickinson County Sheriff's Department building. The past two Mondays loyal (retired) Mich-A-Con ARC members have been assembling and installing VHF and HF verticals on the roof. Skip (KE9L), Burt (WB8EBS), and Tom (W8JWN) put there many years of experience together to beat the late fall snow that will soon be visiting the Iron Mountain area.

Scott, (KA8TFF), even made one perilous trip up the ladder to check out the roof. After a little coaching from the members on the ground, he made it down safely. That was his last visit to that QTH!!!

Rob (K9RJP), Corrisa (KD8KUG), and Joey (KD8KWP), also put in some time on the roof helping with the radial system.

The Kenwood TS-2000 was delivered to the station and hooked up to the new Astron power supply and is ready for the first QSO from the EC. Unfortunately, at this writing, the antenna has to be re-tuned to get a decent SWR on all of the bands. Skip is going to contact DX Engineering to get their expertise with the Hustler 5 BTV vertical. Next Monday afternoon we should have it ready to go.

The Diamond duo-band antenna is in place and ready to go, as soon as we get the coax routed to Pete's ,(KC8JRH) office. We need to add 20 feet of LMR 400 and install a ground rod.

The only piece of necessary equipment missing is a laptop computer. We can't operate the required digital modes without a computer. The Homeland Security grant didn't allow for it. The club may have to purchase a computer for the station.

Fall DX

The past few weeks DX activity on 10 and 12 meters has been outstanding. The 3D2R (Rotuma) and the T32C Dxpeditions have been very active on the high bands. Signals are very good on both 10 and 12 meters. CW is the easiest mode but SSB contacts can be made. 3D2R will be concluding this week but T32C will still be on until October 28.

Need a Climber?

Rob Thomas, (K9RJP), will be available to climb member's towers. Get in touch with him, if you need assistance. He spent an hour and a half on my 72' tower last Thursday in the rain. I had to yell at him to get down before he was soaked. Actually, I was getting wet staring up at him. HI!

Veterans Day

At the next club meeting on October 11th, we will be finalizing plans for our yearly operation on Pine mountain. Please try to attend that meeting.

Komeback Kitties

Hey, how about those Detroit Lions? Packer fans look out! Also, go Tigers and red Wings. It looks like a good year for Detroit teams.

73,

Tom

V.E. TESTING:

11/05 Iron Mountain: 9:00am central time, (arrive by 8:30am) Dickinson County Library(conference room), contact Mark J. Lewis N8UKD, (906) 396-5519 - 412 Fairmount St. Kingsford, Mi 49802.

12/10 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. Contact Rich Schwenke, N8GBA at 906 249-3837or e-mail: n8gba@chartermi.net.

10/8 Houghton: 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 if you have questions.

10/8 Gladstone: Sponsor: Delta County Amateur Radio Society Time:10:00 AM (Walk-ins welcome) Contact: Howard St. John (906) 428-9476 email: hsj99@charter.net 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. Note: If you have been assigned a FRN from the FCC you must use it on all forms rather than your SSN.

Mich-A-Con Amateur Radio Club Minutes of the September 13th, 2011 Meeting

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

Secretary Report

The minutes of the August 9th, 2011 meeting were read and approved.

Treasurer Report

Balances as of 9/11/2011

Checking - \$ 29.76

Regular Savings - \$3,604.81 of which \$2,021.82 is in the Trailer Fund.

Repeater Savings - \$992.40

Petty Cash - \$14.00

Repeater Report

Needed feed line repairs have not been completed. President Tom will contact Rob Thomas to discuss climbing the tower to make the needed repairs.

ARES

The net has been meeting regularly every Thursday at 6:30pm on 146.850 repeater.

Old Business

The Florence County Fairgrounds site for next year's Field Day was briefly discussed. Treasurer Burt will build the 40 meter bazooka antenna before Veterans Day.

Secretary Paul will arrange for a CPR class for late October. Skip, Tom and Burt also expressed interest in the class.

November 11th-13th Veterans Day at Pine Mountain. Setup day will be November 10th.

Jim Rye, W8IFI and Skip Caswell, KE9L detailed their recent installation of the antennas on the roof of the Iron County courthouse. Their radios and antennas are now setup and ready. Contact Jim if you'd like to see them.

President Tom visited with the Dickinson County Emergency Coordinator Pete Schlitt yesterday and discussed installation of the antennas at the courthouse. The coax has been installed at the courthouse to the roof. The hustler and diamond antennas need to be installed on the roof and the 2 meter antenna needs to be removed. PL259's need to be installed at both ends of the coax and one set of guy wires needs to be installed and radial wires need to be installed on the roof. A very tall ladder or bucket truck is needed for access to the roof. Volunteers will visit the site at 10:30am on Monday September 19th to review and plan the installation. The goal is to complete the installation before Veterans Day. A Saturday work session is OK if it's scheduled in advance.

The county will have a Simulated Emergency Test on October 1st but we have not yet been asked to attend.

The VA hospital has expressed an interest in us having our next Amateur Radio license class at the hospital so that some patients will be able to attend.

New Business

Felch Tower – Is privately owned and is about 70'. The club has an antenna and a hard line still on the tower but it's in bad shape and dangerous.

Crivitz Tower – Is owned by WE Energies and is about 200'. The club has a 440 beam antenna at 160' and a dual band (2 meter, 70 cm) at 120'. Chips need to be returned. There's a small building at the base of the tower.

Adjournment

The meeting was adjourned at 7:49 p.m.

For the Good of the Order

Attendees reported on their recent activities.

Submitted by Paul Schultz

Attendees

Tom Martin, W8JWN - President
Scott Jarmusch, KA8TFF - Vice President
Burt Armbrust Sr., WB8EBS - Treasurer
Paul Schultz – KD8KUF - Secretary
Mike Bray, K8DDB
Jim Rye, W8IFI
Joe Ferris, KC9TQR
Tom Heyboer, KC8TH
Skip Caswell, KE9L

MICH-A-CON AMATUER RADIO CLUB

September 2011

Treasurer's Report

8-1-11	Checking	13.43	Repeater Savings	1157.22	Petty Cash	14.00
	Dep.	389.00	7 Mon. AT&T	-164.82		
9	Auto	-349.00				
23	AT&T	-23.76				
		<hr/>				
		29.76		992.40		14.00
	Regular Sav	1583.99	// 3604.81	Trailer Fund	2021.82	
	7 Mon AT&T	164.82		Ins Refund	133.00	
	Checking	-40.00		Ins Au Own	-349.00	
	Interest	.70		Interest	1.41	
		<hr/>				
		1708.51			1807.23	// 3515.74

Please remit dues to :
Burt Armbrust WB8EBS
693 Cliff St.
Quinnesec, Mi. 49876

Name: _____

Address: _____

City, State, Zip _____

Call Sign: _____

Email Address: _____

Phone: _____

ARRL Member? Yes _____ No _____

Annual dues are due in January.

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: _____

* The dues for NEW members are prorated - you only pay for the remainder of the year! Please remit \$1.67 per month for a Single membership or \$2.50 per month for a Family membership.

White House Names Ham as New Cybersecurity Coordinator

from:

The ARRL Letter for September 29th, 2011

12/24/2009

On Tuesday, December 22, President Barack Obama named Howard A. Schmidt, W7HAS, as the new White House Cybersecurity Coordinator. According to the White House, Schmidt -- an ARRL member -- is one of the world's leading authorities on computer security, with some 40 years of experience in government, business and law enforcement and "will have regular access to the President and serve as a key member of his National Security Staff. He will also work closely with his economic team to ensure that our cybersecurity efforts keep the Nation secure and prosperous."

In a [2003 interview with *The New Atlantis*](#), Schmidt described cybersecurity as "the realization that computer systems affect our basic needs on a daily basis. Electricity, water, telephone -- these things are all run by computers, and my job is to work with owners and operators and government agencies to make sure that they continue to function properly and are not disrupted because of security events that then, in turn, affect our daily lives."

Schmidt told the ARRL that he credits Amateur Radio with getting him involved with technology: "In high school, one of my friends was a ham and he got me interested in shortwave radio, which in turn got me into building shortwave radios and equipment, many from Heathkit. As I got older, I took courses from NRI and Bell and Howell in electronics and built a number of projects, preparing me for my first ham radio ticket. I love technology, and it was Amateur Radio that caused me to build my first computer -- a Sinclair ZX-80 to use for EME calculations. I studied all about the OSCAR systems and would build equipment to monitor when they would pass within range of Arizona. Building these computers to support my ham radio hobby gave me the technical skills that I need to not only start doing computer crime investigations and work on the early stages of computer forensics, in turn enabling me to start working on cybersecurity issues."

Schmidt is no stranger to the White House -- he served as a cyber-adviser in President George W. Bush's White House. After the 9/11 attacks, President Bush appointed Schmidt as the Vice Chairman of the President's Critical Infrastructure Protection Board and as the Special Adviser for Cyberspace Security for the White House. While at the White House, he assisted in the creation of the US National Strategy to Secure Cyberspace, becoming Chairman in January 2003. In May 2003, Schmidt retired from the White House after 31 years of public service in local and federal government.

Schmidt as a Ham

Schmidt has been an Amateur Radio operator for more than 30 years. "I was first licensed in the late 1970s as a Technician class licensee with the call sign WB7NUV," he told the ARRL. "I did a lot on 2 meters, 70 cm and on Packet. The [TAPR](#) group out of Tucson was real inspiration to me as I found the work they were doing absolutely wonderful. I started as a part of the Arizona Repeater Association (ARA) and lived for our annual hamfest at Ft Tuthill in Flagstaff."

Back in the 1980s, Schmidt told the ARRL that he tried moonbounce and had "a full shack of RTTY machines -- Teletype Corporation models 15 and 19 and even a model 21. I would spend weekends printing reams of pictures from Ricky, W0CKY, and all of the great TTY pictures he would transmit. I still have my Collins KWM 2A, 312B station console and accessories. While I have not used it for years, it is one of my treasured possessions. Through the years, I had about every type of HF radio made and even have my Collins R-388 and R-390 in a 19 inch rack. I will never forget the day we were able to talk to Southern California on a 2 meter handheld with the repeaters we had from Central Ariz. During the '100 year flood' in Arizona, the community of Rainbow Valley was essentially cut off from the rest of the state to the north when a bridge and power lines were washed away. Using ham radio equipment, we were able to coordinate moving in food, water, medical supplies and generators from the Air Force base I was working at (then Gila Bend Air Force Auxiliary Field) and work with the county sheriff's office to coordinate support."

Schmidt said that as with many other things, his love for Amateur Radio took a back seat to work, family and life in general: "While I got rid of all of my RTTY equipment back in the early 90's, I have continued to follow all of the great advances of ham radio." He said that only just recently, he got back into the hobby after what he called "an administrative error."

"Someone with a call very similar to mine upgraded to Extra class and when the form was sent to FCC, they mistyped one letter and it was my call that was submitted," he explained. "You can imagine my surprise when I

received my Extra class license and new call in the mail. When I tried to find out what happened I was told (wrongly) that I was probably 'grandfathered.' I went out and bought an all band/all mode rig, antennas, power supplies, batteries -- everything I needed to outfit my shack. When all was said and done, we got the error fixed, but by that time, I was hooked on Amateur Radio all over again. I am now in the process of doing a room addition to be my new ham shack! I rejoined ARRL and now have room full of new gear waiting for the remodel to be done. Thanks to what I learned from the many hams on Web sites, I even built in PVC pipes through the walls to run my antennas."

Schmidt's Rise to Cybersecurity Czar

Schmidt began his government service in 1967 -- starting with a tour in the US Air Force -- both in active duty and in the civil service. After leaving the Air Force in 1983, he joined the Chandler (Arizona) Police Department, serving on the SWAT team and the Organized Crime and Drug Enforcement Unit; he formed and led the Special Enforcement Team. In 11 years as a local first responder he dealt with numerous issues surrounding emergency response to local incidents. While on the police force, he was instrumental in selecting, designing and the operation of interoperable communications and a public safety response system. Schmidt left the police department in 1994 to join the FBI at the National Drug Intelligence Center to head up the Computer Exploitation Team.

Schmidt went on to become a Supervisory Special Agent and Director of the Air Force Office of Special Investigations' ([AFOSI](#)) Computer Forensics Lab and Computer Crime and Information Warfare Division. In 1996, while serving in that position, he established the first dedicated computer forensics lab in the government, which was the basis for the formation of the Defense Computer Forensic Laboratory ([DCFL](#)). In 1997, Schmidt joined [Microsoft](#) as the Director of Information Security, Chief Information Security Officer (CISO) and Chief Security Officer (CSO), leaving in 2001 to join the White House. When he retired from government service in May 2003, he joined the online auction site [eBay](#) as their Vice President and Chief Information Security Officer and Chief Security Strategist.

Throughout his industry career, Schmidt has served as a reservist in the National Guard and Army. He served in the Arizona Air National Guard as computer communications specialist from 1989-1998, then transferred to the US Army Reserves as a Special Agent in the Criminal Investigation Division where he continues to serve with the Computer Crime Investigations Unit at CID HQ. He has testified as an expert witness in federal and military courts in the areas of computer crime, computer forensics and Internet crime.

After Schmidt retired from eBay, he started his own consulting firm, R&H Security Consulting. In September 2008, he took over as President and CEO of [Information Security Forum Ltd](#); he remains CEO until he begins his White House appointment in January 2010. He is also a board member of the Finnish security company Codenomicon, International President of the Information Systems Security Association and board member of the International Information Systems Security Certification Consortium, commonly known as (ISC). In October 2008, he was named one of the 50 most influential people in business IT by the readers and editors of [Baseline Magazine](#).

Schmidt serves on the Executive Committee of the Information Technology Sector Coordination Council. He is a member of the High Technology Crime Investigation Association, the American Academy of Forensic Sciences and the International Association of Chiefs of Police. He has testified before congressional committees on computer security and cyber crime and has been featured on BBC, ABC, CNN, CNBC and Fox TV discussing cybersecurity, investigations and technology. He is the author of [Patrolling Cyberspace, Lessons Learned from a Lifetime in Data Security](#) and a contributor to [The Black Book on Corporate Security](#).

Now that Schmidt has rediscovered how much fun Amateur Radio can be, he has no plans to let his enjoyment pass him by again. "I have my multi-band handheld transceiver next to my suitcase to take back to DC with me," he told the ARRL. "I hope to set up a station once I get settled. I do not plan on letting any more years slip by and not enjoying this great hobby."

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.



<i>Mich-A-Con ARC Activities for October 2011</i>						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
				ARES		1
2	3	4	5	6 ARES	7	8
9	10	11 Meeting	12	13 ARES	14	15 BREAK-FAST
16	17	18	19	20 ARES	21	22
23	24	25	26	27 ARES	28	29
30	31					

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 3rd 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.

OUTPUT	OFFSET	PLTONE	CALLSIGN
146.850	MINUS	-	WA8FXQ
444.850	PLUS	100 Hz	WA8FXQ

Repeater Specifications:

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

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

Vice President:
Scott Jarmusch KA8TFF
s_jarmusch@yahoo.com

Secretary:
Paul Schultz KD8KUF
(906) 774-8900
pauls@schultzequipment.com

Treasurer:
Burt Armbrust WB8EBS
(906) 774-8383
wb8ebs@yahoo.com

Reminders:

Club dues for the year 2011 were payable on January 1st. 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 Tue October 11th 2011. It will be held in the Dickinson County Library at 7 PM

MICH-A-CON RF

**Mich-A-Con ARC
c/o Stephen Skauge
213 South Angeline
Ishpeming, Mi 49849**