

MICH-A-CON RF

Iron Mountain, MI **SEPTEMBER**

Meeting Reminder: Second Wednesday of Month

Which is September 10, 2014 at 7:00 PM at Dickinson Library.
Please be there and support the cause of Amateur Radio.

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Words from the President

For one of the few times in my life, I'm almost speechless. Actually, "wordless" is more like it. After writing these "Words" for the newsletter over 120 times during the course of my presidency, finding new material to inform and entertain the membership is becoming more difficult.

So, I will take the easy way out and just mention a few things that we've discussed at past meetings.

I picked up the club's laptop at the EOC last week. It will now be available for future club operating events. Also, before Veterans Day, it can be setup for networking.

Our Veterans Day operation will be held from November 8-11 at the U.P. Veterans Memorial on Pine Mountain. We have two meetings left to finalize operators, antennas, and refreshments. Please give your input at the next meetings.
Reminder: The library is now open until 9:00 P.M. Our meetings will start at 7:00 P.M.

We need volunteers to make an inventory of "stuff" stored in the club's van. After the inventory is taken, we will decide what needs to go via a sale, or a "grab bag" at a future meeting. Ham swap anyone?

With fall approaching, the bands will be alive with some choice DX. Propagation should be better in spite of Cycle 24's decline. Look for the following in September and October:

- Tristan da Cuhna ZD9ZS 9-09/10-03
- Christmas Island VK9AN 9-18/10-02
- Eritrea E3 9-19/9-22
- Bhutan A52YY 9-26/10-02
- Christmas Island VK9XSP 10-18/10-31
- Timor- Leste 4W 10-19/10-31
- Macao XX9 10-22/11-01
- Tromelin Island FT4FA 10-30/11-10 The big one!

Good luck working any of these DX stations and other DX on the bands.

Tom W8JWN

From Your Newsletter Editor

Thank you to those contributors and critiques.

Welcome your articles - They make the Newsletter.

For those not getting the Newsletter, it is because I have an incorrect email address. Please give me the correct address.

Please seen me contacts for the other UP Amateur Radio Clubs. Provides a way of sharing info, classifieds, ham fests, etc.

MICH-A-CON AMATEUR RADIO CLUB**MINUTES OF AUGUST 13, 2014 MEETING**

President Tom Martin called the meeting to order at 6:30 pm.

Secretary Report

Minutes of the July 9, 2014 meeting were read and approved.

Treasurer Report

Balances as of – August 4, 2014:

Checking - \$169.64

Regular Savings - \$1805.05 of which \$1,805.05 is in the Trailer Fund.

Repeater Savings - \$233.43

Petty Cash - \$31.00

Repeater Report

The repeater is working. Sam Holmes reported that the new antenna can be mounted on the south leg of the tower between microwave antennas. It will be mounted 20 feet lower than currently, but we will gain height due to the new antenna's greater length. Mounting clamps and brackets are being taken care of. We are now looking for a climber.

Old Business

The ARES Net has been meeting. If Dave Thomas has been gone, Terry Moriarity has been running the net. Upper Peninsula ARES has now separated itself from the Lower Peninsula. The UP is District 8. All UP counties are in, except Baraga.

The Oklahoma W1AW Centennial Station is on the air this week. Ohio and North Dakota are up next. Michigan will be coming up in October. Anyone interested in a slot can contact NT8X at dward@gmail.com.

Several positive comments were made concerning the latest club newsletter.

Gary Schafer reported that the club radio that failed during Field Day is now working. He attributed the radio failure to a bad diode in the front-end filter.

Dave Thomas reported that the trailer he had in mind for a club tower trailer has already been scrapped. Terry Moriarity reported that he has two trailers in mind. It is believed that the total cost of the tower trailer will be under \$300.

Participation in Light House and Light Ship Weekend has been cancelled for this year. The application for a permit to set up at Peninsula Point Light House was denied. It was recommended that we apply again next year, probably in January.

The club storage van needs to be inventoried to determine what is available to get rid of and what people might be interested in.

Burt Armbrust reported that the enhanced 911 system is almost ready to go, locally. It appears that the UP is ahead of the Lower Peninsula in this technology.

New Business

Tom Martin reported that the Upper Peninsulas Veterans' Memorial Park has been reserved for Field Day 2015. It will be \$100 more expensive, because we were under-charged this year. Our \$50 security deposit from this year has been refunded to the club.

Burt Armbrust reported that computer power cords have been put in the van.

The Veterans Day special event activities will be located in the Kiwanis Ski Club building, atop Pine Mountain, again this year. We will have the same callsign as previous years.

Adjournment

The meeting was adjourned at 7:20 pm.

For the Good of the Order

Attendees reported on their recent activities.

Submitted by Joe Ferris

Attendees

Tom Martin, W8JWN - President
Burton Armbrust Sr., WB8EBS - Treasurer
Joe Ferris, KC9TQR - Secretary
Gary Schafer, K4FMX
Terry Moriarity, K9TRY
Jared Paul, ND8M
Dana Bey, KD8POR
David Thomas, KG9Y
Sam Holmes, N8ATS
Herb Pahlow, KD9SY
Bill Grabowski, KD8VTT
Tim Miller, N8TUM
LeRoy Anderson, N8WQJ
Skip Caswell, KE9L
Scott Baker, KB9AVX
Beth Baker, KC9KVP

ARRL MICHIGAN SECTION NEWS

No information at this time

Dales Words

Greetings everyone,

Best wishes go out to all of the hams in Kentucky as they open the doors for the Greater Louisville Hamfest and Kentucky ARRL State Convention on September 6. The Convention will be held at the Paroquet Springs Convention Centre and opens to the public at 8:00 AM. There will be QSL Card Checking, a QSL Contest, License Exams and several forums. The forum list includes an ARRL/ARES Forum, Kentucky Phone Net, Jefferson County Search Dog Association, and the VK9MT Mellish Reef DXpedition. There will be a special ARRL Awards luncheon following the Convention at 2:00 PM. Kentucky SM Jim Brooks KY4Z will host this activity and Great Lakes Division Vice-Director Tom Delaney W8WTD will be there to represent the division. Full details at <http://louisvillehamfest.com/>

You have doubtlessly heard of the national effort working towards passing HB 4969. This is known as the Amateur Radio Parity Act and is aimed at directing the PRB-1 style "reasonable accommodation" provisions for Amateur Radio antennas to include all types of land-use regulation, including deed restrictions and restrictive covenants, hence the term "parity". "CC&Rs" (covenants, conditions and restrictions) are the prohibitions and limitations placed on properties by builders or home-owner associations (HOAs) which prevent licensed Amateurs from erecting even modest antennas. As Congress is returning to Session in early September, ARRL is asking for your personal assistance in contacting your Congressperson to ask for support for HB 4969.

Full information can be found at <http://www.arrl.org/hr-4969>. This page will also allow you to identify your congressman and his/her address. There is a link on this page that will allow you to download the draft of a letter to use as an example. I urge you to write and ask your Congressperson to support this request for reasonable accommodation for our antennas.

Now, this is really important to accomplish. The number of residents now living in HOAs has grown significantly in recent years. In many regions of the country, there are few opportunities for home ownership outside HOAs. Thus, the impact upon ham radio antennas has become significant. Some HOA "contracts" do not allow any sort of outdoor antenna. Somehow, it seems absurd when one considers they do not allow a ¼ wave UHF mag-mount sitting on a rain gutter...The HOAs really do need to get "reasonable".

Our new Vice Director, Tom Delaney W8WTD begins his monthly commentary with this introductory article:

Over the last few months, both Dale and Jim (K8JE) have written some kind words about me. Now you get to hear from me directly. I look forward to meeting many of you in the division, and representing your interests in ham radio. So I'll start with some reflections on the past few months. As you know, I was appointed in early July, and so I had the chance to attend not just the Board meeting, but also the centennial convention in Hartford. It was a very busy time, and provided a more unusual introduction to the board than most people will ever have. I was very lucky to join the group at such a time.

The Centennial Convention

Most of the time, there are a lot of people I know at a hamfest. After all, Dayton is close, and a lot of friends from Cincinnati travel up there. When I looked around in Hartford, there was almost no one I recognized. And yet, we're all hams. Soon I realized that the interesting exhibits, the friendly chats, the technical questions were all the same. Like meeting new people on the air, you quickly discover how much you have in common. And the highlights of the convention, like the keynote speeches and some of the forums, were just as inspiring, and the topics were things I've thought about or talked about for years. After a few minutes, you stop wondering who this speaker is, and instead wonder if you haven't met somewhere before.

Thoughts on the Board meeting

Even for someone who has been a long-time member of a group, the inner workings of an organization can be somewhat of a surprise. ARRL is a very large organization, and keeping it on track can be a challenge.

I'm impressed with the board and the quality of individuals who have been elected. Like many of us in the hobby, they come from a variety of backgrounds, but all with a strong commitment to ham radio. They have the best interests of the League in mind in doing their work.

It's great to be associated with such people.

Hamfests in the Division

This fall, I'll be making the rounds of the hamfests, getting to those that I can, in an effort to try to meet lots of folks in the three states. I started with Columbus and the State Convention, and will soon be at Greater Louisville and the Kentucky State Convention, and then a number of other ones, including the one at home in Cincinnati with OH-KY-IN. Hope to see many of you in the next several weeks.

There's a lot for all of us to learn at the forums. I attended the one on ARES in Columbus, and found the presentation on HSMM fascinating.

The folks that are trying to pull off a network for Columbus have got some great plans. I hope that it goes well for them, and I'm interested in following up.

I'll be interested to hear just what interests you in ham radio, and how the League can help you achieve those goals.

73,
Tom Delaney W8WTD
Vice Director

Here is the current ARRL Hamfest Schedule for the Great Lakes Division:

Sep 6 - Greater Louisville Hamfest, Shepherdsville, KY -- KY4Z, W8WTD-- QSL Checking
Sep 7 - Findlay Hamfest, Findlay, OH -- WA8EFK, N8SY
Sep 13 - GRAHamfest, Wyoming, MI -- QSL Checking -- WB8R
Sep 13 - Richmond Hamfest, Richmond, KY -- KY4Z
Sep 14 - Adrian Hamfest, Adrian, MI -- WA8EFK, WB8R
Sep 21 - OHKYIN ARS Hamfest, Cincinnati, OH -- W8WTD, QSL Checking
Sep 28 - Cleveland Hamfest & Computer Show, Cleveland, OH -- QSL Checking -- N8SY
Oct 4 - 'Vette City Hamfest, Bowling Green, KY -- QSL Checking -- WA8EFK, KY4Z
Oct 18 - Muskegon Color Tour Hamfest, Muskegon, MI -- WB8R
Oct 19 - Conneaut ARC Hamfest, Conneaut, OH
Oct 19 - Kalamazoo Hamfest, Kalamazoo, MI -- QSL Checking - WB8R
Oct 25 - Hazard KY Hamfest - Hazard, KY -- KY4Z

Oct 26 - USECA Hamfest - Madison Heights, MI -- WB8TKL

Nov 2 - Massillon ARC Hamfest, Massillon, OH -- QSL Checking - N8SY

A note about hamfest attendance by your ARRL elected officials. We strive for insuring that the ARRL is properly represented at every ARRL Sanctioned Hamfest. Conflicts can arise, such as hamfests which might occur on the same day. It is always a good idea for your hamfest chairman to contact the Section Manager, Vice-Director or Director early in the planning stages to insure his attendance at the activity.

This will allow time to prepare for alternate representation in the event of time conflicts.

73 all, see you on the bands.

Dale Williams WA8EFK
Director, Great Lakes Division

wa8efk@arrl.org

Reflections:

Get those antennas ready for FT4TA , Tromelin Island, the 9th most needed country according to Club Log.



FT4TA DxPedition to Tromelin Island from October 30 to November 10

(from <http://www.dxe.org/> Lone Star DX Association)

Have you heard a station operating from Tromelin lately? No, you haven't. The last operation was in the year 2000 by FR/F6KDF/T. This year a team of French operators will activate the island to celebrate the 60th anniversary of the first operation from Tromelin by Marc, FB8BK/T. The team includes the following operators: Seb F5UFX, Michel FM5CD, Flo F5CWU, Eric F5SIH, Franck F4AJQ and Fred F5ROP.

See <http://www.tromelin2014.com/en/> for details.

News

Membership

| Call Sign | Last Name | First Name | City | Phone | Email |
|-----------|------------|------------|---------------|--------------|----------------------------|
| KD8GHG | AHO | ROGER | QUINNESEC | 906-774-3552 | rogeraa@chartermi.net |
| N8WQG | ANDERSON | LE ROY | CRYSTAL FALLS | 906-265-3960 | n8wqg@fast-air.net |
| WB8EBS | ARMBRUST | BURT | QUINNESEC | 906-774-8383 | wb8ebs@yahoo.com |
| W8XBO | ARMBRUST | ED | IRON MOUNTAIN | 906-779-5593 | w8xbo@sbcglobal.net |
| KC9KVP | BAKER | BETH | NIAGARA | | |
| KB9AVX | BAKER | SCOTT | NIAGARA | 715-251-1944 | kb9evx@yahoo.com |
| KD8POR | BEY | DANA L. | KINGSFORD | 906-774-7937 | lst797@charter.net |
| W9MB | BOILEAU | MIKE | NIAGARA | 906-563-1350 | w9mb@uplogon.com |
| K8DDB | BRAY | MIKE | VULCAN | 906-563-7020 | mikebray@chartermi.net |
| KC9SBY | BROSCHART | FRED | NIAGARA | 715-251-1423 | broschart.fred@gmail.com |
| KE9L | CASWELL | SKIP | IRON MOUNTAIN | 906-774-3371 | acaswell4238@charter.net |
| KD8GLO | COSTA | ART | KINGSFORD | 906-774-7388 | cattraxcavator@hotmail.com |
| KC9ZBC | DOLATOWSKI | SCOTT | GOODMAN | 715-633-1006 | kc9zbc@live.com |
| KC8CKX | FAULKNER | JAMES | FOSTER CITY | | j.cheerit@yahoo.com |
| KC9TQR | FERRIS | JOE | FLORENCE | 517-589-4386 | jferris@borderlandnet.net |
| N9MBG | FRY | EDWARD | PEMBINE | 906-221-7307 | efry@centylink.net |
| KG8NK | GEMBOLIS | LOUIS | ISHPEMING | 906-485-5442 | lgembolis@chartermi.net |
| KD8VTS | GRABOWSKI | DEBRA | CRYSTAL FALLS | 906-284-2450 | kd8vts@gmail.com |
| KD8VTT | GRABOWSKI | WILLIAM | CRYSTAL FALLS | | (use above) |
| KD8WAK | HEBERT | STEVEN | IRON MOUNTAIN | 906-221-2507 | viparsteve@yahoo.com |
| KC8TH | HEYBOER | TOM | IRON MOUNTAIN | 906-779-0481 | heyboer.tom@gmail.com |
| N8ATS | HOLMES | SAM | PEMBINE | 906-322-8507 | chopsam@centylink.com |
| KA8TFF | JARMUSCH | SCOTT | IRON MOUNTAIN | | s_jarmusch@yahoo.com |
| HC8SZP | JOHNSON | DEBBY | IRON MOUNTAIN | 906-396-9323 | |
| KC8RYY | JOHNSON | STEVE | IRON MOUNTAIN | 906-396-5292 | kc8ryy@outlook.com |
| KB9EMU | KNUTSON | WILLIAM | FENCE | 715-336-2250 | dknutson54@gmail.com |
| KB8ETK | KOMBLEVICZ | JOSEPH | IRON MOUNTAIN | 906-774-4094 | kombleviczj@charter.net |
| W8JWN | MARTIN | THOMAS | IRON MOUNTAIN | 906-774-5463 | tmartin@chartermi.net |
| KC9KWS | MAXWELL | RED | FLORENCE | 574-855-8666 | kc9kws@yahoo.com |
| WA8FXQ | MEYERS | BOB | VULCAN | 906-390-0119 | meyersb@uplogon.com |
| KC8LRP | MEYERS | MARGE | VULCAN | 906-396-8913 | mgmeyer@uplogon.com |
| KD8GLP | MIERAS | NATE | KINGSFORD | 616-240-6919 | kd8glp@gmail.com |
| N8TUM | MILLER | TIMOTHY | MILWAUKEE | | |
| K9TRY | MORIARITY | TERRY | NIAGARA | 715-251-1670 | kb9zer@yahoo.com |
| ND8M | PAUL | JARED | NORWAY | 989-660-9535 | jaredpaul@me.com |
| KD8SZA | PAUL | MICHELLE | NORWAY | | |
| KC9NFT | PERRON | BARRY | FLORENCE | 715-887-2892 | hperron2@netzero.com |
| KC8JRI | REED | GORDY | IRON MOUNTAIN | 906-779-1254 | gordyreed@charter.net |
| K8ABS | RIVERSIDE | JIM | IRON MOUNTAIN | 906-458-0773 | jriverside@charter.net |
| W8IFI | RYE | JIM | CRYSTAL FALLS | 906-875-3582 | jimye@up.net |
| KC8JRH | SCHLITT | PETER | NORWAY | 906-563-8126 | peteschlitt@yahoo.com |
| KD8KUF | SCHULTZ | PAUL | KINGSFORD | 906-774-8900 | pauls@schultzequipment.com |
| KD8CCP | SKAUGE | STEVE | ISHPEMING | 906-458-4798 | kd8ccp@yahoo.com |
| KG9Y | THOMAS | DAVE | NIAGARA | 715-251-1393 | kg9y@arrl.net |
| KD8KUI | ADAM | DENNIS | IRON MOUNTAIN | 906-774-8129 | duferdoc@chartermi.net |
| KD8QEX | AMICANGELO | PERRY | VULCAN | 906-563-8076 | perryamicangelo@msn.com |
| K8SWX | BEURJEY | DENNIS | KINGSFORD | 906-282-4440 | dbeurjey@gmail.com |
| KC8QZG | DAKE | DAVE | NEWBERRY | | |
| KD8LQK | HULL | ADAM | NIAGARA | 715-251-1302 | hullar13@baycollege.edu |
| KD8SZA | LASEN | MICHELL | NORWAY | 231-510-0202 | myln1973@gmail.com |
| KB8YEU | O'BRION | JACK | NORWAY | 906-396-3316 | jobrion@sbcglobal.net |
| KD8DJK | SCHUTTE | JOE | VULCAN | 906-563-8273 | dschutte@uplogon.com |

CLASSIFIED

Ride Wanted to Swap/ Hamfest

Contact: Herb (KD9SY) 715-324-5325
Will share expenses

Ham items for Sale

August 2014

OBO

- * Icom 720A 200watt HF transceiver 160-10m plus general coverage receiver 0.1MHz-30.0MHz w/Icom HM7 hand mic \$375
- * Hammarlund HQ-170 VG condx \$195
- * Hammarlund S-100 matching spkr vg condx \$95
- * Freed-Eisemann FE-15 (1925) receiver w/period headphones \$175
- * Cushcraft A3WS beam 12-17m (ready to erect before winter) \$195
- * MFJ 1025 noise canceling signal enhancer \$135
- * Heathkit AT-1 \$150
- * Kenwood TM-241 2 meter FM transceiver with Kenwood MC-44DM multi function direct entry microphone with manual \$85
- * Radio Shack HTX-252 2-meter FM mobile transceiver with microphone and manual. \$65
- * Hallicrafters R-46B spkr \$50
- * Astatic D-104 \$35
- * ARC-5 receiver with attached 120 VAC power supply. 80m version \$40
- * Rigblaster from West Mountain. Full set of cables. Set up for Yaesu radio but can be jumpered for just about any radio. \$25
- * Rigblaster Plus from West Mountain radio has CD and instruction manual but no cables. \$10
- * 1995 ARRL Handbook very good condx \$10
- * Low Band DXing (antennas & techniques) very good condx \$10
- * Two on the glass vhf antennas and cabling. They maybe VHF/UHF but no sure- nothing further known \$10 each
- * Heil mic adapter 8-pin (I think the nomenclature is AD-1-K but not sure) Yaesu radios \$5 and one Kenwood radio \$5

If interested contact Pete-K8PT at k8pt@arrrl.net or 906-250-7722 (shipping extra)

For Sale

Timewave Technology PK232 mbx Multi Mode Controller for Packet, CW, RTTY, etc. Used very little. Recent factory upgrade. Manual and all cables. \$90

Contact: Tom Martin, W8JWN

K8DDB Items For Sale

Prices as of August 30, 2014

All prices are negotiable, items sold “as is”, shipping is not included
(I would prefer to sell the bulky items locally)

Cell phone: (906) 221-1550 or Email: mikebray@chartermi.net

Radio Gear:

- * Small Wonder Labs DSW-20 QRP Transceiver
20 meters CW – 2 watts max output
Custom blue anodized aluminum case
Includes manual
I have worked 55 countries and 42 states with this rig, using mostly wire antennas.
Asking \$59
- * Elecraft K3 Transceiver (serial # 5093) – 100 watts, w/ATU, general coverage Rx module, filters for - 6 khz, 400 hz, 250 hz (includes manuals)
Asking \$1,799
- * Astron Model RS-35M, 35 Amp Linear Power Supply with Meters
Asking \$99
- * Ten Tec Station
- * Corsair II Model 561 Transceiver, Model 263 Remote VFO and Model 961 Power Supply/Speaker (including manuals)
Asking \$299
- * Centurion Model 422 Linear Amp (matches above station) – Tubes have very few hours on them. Spare set of used tubes. (includes manual)
Asking \$990
- * Antenna Tuner Model 238B (black) (includes manual)
Asking \$299
- * Heathkit Model HM-102 SWR/Power Meter (includes manual)
Asking \$29
- * Viking 6n2 Transmitter
Asking \$19
- * Homebrew RTTY Interface for Boat Anchor Gear – Well built!
Asking \$19
- * Regulated CB Power Supply
Asking \$5
- * Vibroplex Original Bug with Chrome Base
Serial 100948
Included are 2 additional weights for speed control
Asking \$89
- * Military Signal Corps Bug
SC120A stamped on bottom of base
Mfg unknown, but it resembles the Vibroplex Lightning Bug
Asking \$19

Test Equipment:

- * Tektronix Model 7603 100MHZ Dual Trace Oscilloscope
Includes two 7A26 Dual Trace Amplifiers and a 7B53A Time Base module
With spare mainframe chassis & CRT
Tektronix instruction manuals for 7603/R7603, 7A26 and 7B53A/7B53AN
Books - Oscilloscope Basics, XYZ's of The Oscilloscope, 101 Ways to Use Your Oscilloscope.

- 2 Probes – 7A26 Vertical Amplifier - Avex 10X AV-5363
Included with the scope is a Tek Lab Cart Model 3
Asking \$99
- * RCA Type WO-33A Oscilloscope
WG-349A Direct/Low Capacitance Probe
Instruction manual
Asking \$9
- * B&K Model 162 Transistor/F.E.T. Tester
With probe and manual
Asking \$39
- * Heathkit Frequency Counter Model IB-1101 and Scaler Model IB-102
With probe and manuals
Asking \$19
- * Eico Model 1064 Variable DC Power Supply
Asking \$5
- * Sencore Handy “75” Resistor/Capacitor Substitution Box
With set of test probes
Asking \$9

- * Homebrew Variac Bench Power Supply

UP Hamfest Informatio

Nothing to Report

LINKS:

| | |
|--|--|
| ARRL WEB PAGE: http://www.arrl.org | |
| ARRL MICHIGAN: http://www.arrl-mi.org/ | FCC Universal Licensing System: http://wireless.fcc.gov/uls/ |
| US REPEATERS: http://www.usrepeaters.com | QTH.COM: http://www.uth.com/ |
| MICH-A-CON : http://www.0sl.net/kalddb | QRZ.COM: http://www.urz.com/ |
| Tropospheric Ducting Forecasts: http://www.d/infocentre.com/tropo.html | Ehamnet.com: http://www.eham.net/ |
| | U.P. Skywarn: http://kcra-mi.net/skywarn/ |

Delta County Amateur Radio
Escanaba, MI
www.dcars.org

Cooper Country Radio Amateur
Dollar Bay, MI
www.ccraa.net

Keweenaw County Repeater Ass.
Hancock, MI
www.kcra-mi.net

Area Repeaters

| | | |
|------------|-------------|-------|
| Escanaba | 147.15+ | 100.0 |
| | 145.13- | No PL |
| Wells | 444.30+ | No PL |
| Gladstone | | |
| IRLP 4013 | 147.55 Smpx | 100.0 |
| Champion | 146.82- | 100.0 |
| Cooks | 146.70 - | 110.9 |
| GrdMarais | 147.195+ | No PL |
| Gwinn | 146.64- | 100.0 |
| Iron Mtn | 146.85 - | No PL |
| Iron River | 145.17- | 107.2 |
| Ishpeming | 146.91- | No PL |
| IRLP 8993 | 443.50+ | 100.0 |
| Manistique | 146.79 - | No PL |
| Marquette | 146.97 - | No PL |
| | 147.27+ | 100.0 |
| | 444.80+ | No PL |
| Menominee | 147.00+ | 107.2 |
| Newberry | 146.61+ | No PL |
| | 147.09+ | 114.8 |
| Republic | 147.09+ | No PL |
| Trenary | 147.03 + | 100.0 |
| Wetmore | 145.41- | 100.0 |

Wisconsin Repeaters

| | | |
|--------------|-----------|-------|
| Abrams | 146.835 - | 107.2 |
| Crivitz | 145.47 - | 107.2 |
| Egg Harbor | 146.73 - | 107.2 |
| McAllister | 146.88 - | 136.5 |
| Green Bay | 147.12 + | 107.2 |
| | 147.27 + | 107.2 |
| | 146.685 - | 107.2 |
| | 145.49 - | 100.0 |
| Sister Bay | 147.18 + | No PL |
| Sturgeon Bay | 147.21 + | 107.2 |

ARRL Affiliated Club Area Nets

| | |
|--------------------------|--------------|
| UP Net | 3921khz |
| Daily | 5pm EST |
| Sunday | Noon EST |
| UP CW NET | 3590khz |
| Sunday | 7pm EST |
| 160 Net | 1895khz |
| Everynight | 0100UTC |
| Dailey | 0600UTC |
| Midcars | 7258khz |
| Daily | 0730am EST |
| | 0200pm EST |
| Outhcars Node | 9614 |
| Saturday | 0900am EST |
| UP Echolink Node | 9617 |
| Sunday | 8pm EST |
| Delta County ARES | 147.150 |
| Sunday | 7pm EST |
| Mich-A-Con Social | 146.850 |
| Thursday | 0630pm CST |
| | ARES follows |

ABOUT OUR CLUB.....

Club Officers

President:

Tom Martin, W8JWN

(906) 774-5463

tmartin@chartermi.net

Vice President

Scott Jarmusch, KA8TFF

sjarmusch@yahoo.com

Secretary:

Joe Ferris, KC9TQR

iferris@borderlandnet.net

Treasurer:

Burt Armbrust, WB8EB

(906) 774-8383

Wb8ebs@yahoo.com

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Newsletter Editor:

Tom Heyboer, KC8TH

(906) 779-0481

Heyboer.Tom@gmail.com

We're on the Web!

See us at:

<http://www.osl.net/ka1ddb/>

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

Activities:

Second Wednesday of the month the Mich-ACon Amateur Radio Club meets in the Dickinson Country Library at 7:00 P.M. Winter or **6:30 PM** Summer

Visitors and prospective members are always welcome!

Club Repeater:

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. The range of the 440 MHZ repeater is about 25 miles. Both are under normal conditions, depending upon terrain.

The Repeater Specifications:

The 146.85 repeater is a GR Master Pro, 40 watt output. The 440 MHZ repeater is a GE Master Pro, 80 watt output. The repeaters share a Diamond dual band antenna at a tower height of 125 ft.

Please remit dues to :

Burt Armbrust, WB8EBS
693 Cliff St
Quinnesec, Mi. 49876

Name: _____

Call Sign: _____

Address: _____

City, State, Zip: _____

Email Address: _____

Phone: _____

ARRL Member? Yes _____ No _____

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: _____

Call signs: _____

City, State, Zip: _____

Annual dues are Payable January 1st.

Dues for New Members are Pro-rated. Please remit \$1.67 per month for a Single membership or \$.50 per month for a Family membership.