

Mich-A-Con RF

Iron Mountain, Michigan

December 2006

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District 8 ARES/RACES Meeting A Huge Success!

Steve
KD8CCP

Jason Lauzer, W9JTL, our District 8 DEC decided to have a meeting of the Michigan Section District 8 ARES/RACES group. The Meeting was held on December 9th 2006 in Iron Mountain at the Sheriff's Department. The planned turn out was about twenty to twenty-five people and the actual attendance was about forty! I was very impressed that Amateur Radio Emergency Coordinators and County Emergency Managers from across the U.P. showed up. Several Wisconsin ECs showed up too. We had representation from the Michigan State Police and even had our very own Marty Mendelson, N8MG attend. (Marty is the Section Emergency Coordinator.) This was the first meeting in several years and it shows we have a great interest in the ARES/RACES groups. Jason, W9JTL, hopes to have more meetings in the future, the next is tentatively planned for sometime in the spring of 2007.

The first order of business after introductions was an overview of the ARES reporting system and it was noted how important it is to use the automated features built into the spread sheet. By typing the info into the fields they will populate forward throughout the year. The fields will also populate up line when the information is sent to the next level. The goal is to automate the system of reporting and by filling in the fields correctly it will streamline the process all the way to the top. Send in the entire workbook and please send the reports on time each month.

NWS Skywarn was up next. This cooperative program between the National Weather Service and storm spotters is voluntary and open to everyone. The program offers us excellent training opportunities as HAMs for Net Controls, Message handling and Coordination opportunities with neighboring nets. The goals of the program is to increase the dissemination of NWS Warnings, provide verification of the warnings and begin damage assessments. It may even require post-event support for emergency management. The only requirement for Skywarn.... the willingness to participate!

The next order of business was a Digital Network discussion. The field is large and expanding, it was recommended that if you decide to get into digital that you pick one type and become an expert in it. Packet, APRS (Automatic Position Report System) WINLINK 2000, Michigan HSMM, D-STAR and even Digital Voice were all covered. Several members of the group noted that just the sheer number of acronyms made the prospect of going digital a learning task to say the least. Going digital is fun, educational and rewarding, it can be frustrating at times and somewhat costly so be patient and help get others involved.

FEMA training took center stage as the training requirements were discussed in detail. The IS 700 and IS 100 training is a must for all AREAS members. It was noted that in an emergency it is not possible to explain the procedures that are being implemented. These basic courses will make us an important asset to any emergency response. It was also noted that Federal grants will now be awarded on a regional basis, we must start thinking outside of the box or county and start thinking about what would be good for

the entire region. Getting every ARES member in the region to pass the IS 100 and IS 700 will lead to more benefits such as grants, but more importantly, it will make us all better prepared to interact with the various agencies should an emergency arise.

Time was running out with all these great topics but we still had time for a brief discussion from Danny on the National Traffic System. He noted that it was hard to get traffic passed to this end of the U.P. I was thinking it was because of the distance but it was pointed out it was because no one with HF privileges seemed to be available for the message handling. Time for me to get my General I think!

These notes are just a quick synopsis of the days events from my perspective. I sure learned a lot and it was nice to put faces on the people I have heard on the radio. It was a great meeting and I look forward to the next meeting in the spring!

Contacts:

**District 8 DEC/DRO ARES/RACES
Michigan Section**
Jason M Lauzer, W9JTL
822 46TH AVENUE
MENOMINEE MI 49858
715-330-9160

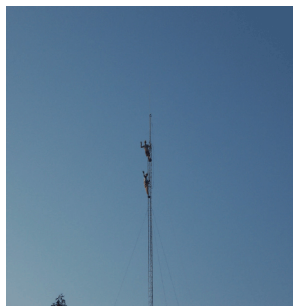
Section Emergency Coordinator
Martin G Mendelson III, N8MG
26242 Woodingham Dr
Warren, MI 48091-6103
586-754-9016, 586-596-2007,
n8mg@arrl.net

**M&M Amateur Radio Club H.A.T.
From the M&M Amateur Radio Club Web Site
Pictures from Pete AB9PJ**

What is HAT? It is an acronym for Ham Assistance Team. The team is a group of local hams who make themselves available to erect antennas and towers or do mobile installations... they even move or repair antennas. The group helps out any ham within a reasonable driving time of twin cities.

Pete, AB9PJ, passed out some CD's with awesome pictures of their groups activities at the recent District 8 meeting in Iron Mountain. I have included just a couple of the pictures here and more are available from the M&M Amateur Radio Club Web Site <http://www.w8pif.com/>.

What an awesome way to promote Amateur Radio



On 6/3 the team erected a 110' tower in Wallace, MI. Work started at 8am, and completed by 9pm. 15 hams participated in one capacity or another. KB8ZXE from Green Bay also spent the day with the team. Another successful HAT project in the books.

APRS: AUTOMATIC POSITION REPORTING SYSTEM

A Startup Procedure
From : an email sent by
Jerry and Michele Groeneveld
gagroeneveld@cpinternet.com

Here is a quick startup procedure for APRS. Use for your personal use or pass it along to others interested or newsletters.

Jerry, NOMR

APRS: Automatic Position Reporting System.
APRS is a system developed by Bob Bruninga, WB4APR, which uses amateur radio to transmit position reports, weather reports, and messages between users. Many packet operators have gone to this mode.
Getting started is easy. On the internet, go to www.uiview.org, the official UIView software page. This is one of several softwares and the software used by most beginners and even seasoned APRS operators. Start with the 16 bit version that can be used unregistered. Download UISFX239.EXE to a download or temporary location on your hard drive.
Run this installation program with the START then RUN command. Disconnect the tnc cable or shut off the tnc for the initial startup of the program. Then start the UIVIEW program from it's icon.

When starting UIView for the first time, you may encounter some help files that are good to read. Also, click on "Run Unregistered". Without the tnc running or attached, it will say communications is not possible and disregard. Generally a map of England will appear. You can change maps from the MAP menu and select USA.. Next click on the Setup menu and select COMMS. Select 9600 baud and com1. Under host mode select NONE. In the tnc type, select your tnc.. Click on OK.

Next click on Setup and select Station Setup. Enter your callsign, latitude, and longitude. The Unproto port is your radio port and should be left at 1. In the unproto address, enter APRS,WIDE3-3. In the Beacon comment field, enter your city or comment of interest.. Use the beacon default parameters in the lower part of the window. Click on OK. Shut down the program.

Set your radio to 144.39. Connect or turn on your tnc. Startup the UIView program. The program will change some of the parameters in the tnc but will remember the parameters and put them back in when you shut down the program. The first operation is your position will be beacons and you will see your call on the map. Then over the next hour or two, you will see a lot of other calls that are heard in your area.

The USA map is too large for local positions. I have maps of several areas in the Minnesota, Wisconsin, and Michigan area. Send me a note and I can e-mail the maps and they are easily placed in the UIView/maps directory.
Give APRS a try and be prepared for another mode of emergency communications.
Jerry, NOMR
Omr@arrrl.net

Mich-A-Con Membership Dues

STEVE
KD8CCP

Where did the year go? It seems like only yesterday I went to my first field day, helped with the dog sled races and started my first antenna project. This past year I even had the opportunity to run the local ARES net on occasion. I also took the FEMA ICS 100 and 700 courses and Weather Spotter Training too. It truly was a great year to be a member of Mich-A-Con. I feel I have just scratched the surface of amateur radio it has so many different ways to participate it truly is a life long hobby. The Mich-A-Con club will always be a big part of this hobby for me.

We also need each and every Ham out there to be a part of the group. The year ahead promises to be a big year in Amateur Radio with huge FCC changes in bands and now code requirement elimination your input and help is vital to the club.

Now is the time to get your Mich-A-Con Cub Dues mailed in for 2007. This newsletter has the Membership Application/Renewal form. Please take the time out of your busy holiday schedule and mail your form and payment to the club Treasurer, Dennis Beurjey, K8SWX.

Tahquamenon Country Sled Dog Race

Date: January 6th 2007

From an email by:

Greg, KI8AF

Hi Gang,

I just received the info below from David and am forwarding to club members and other hams around the community. If you can help out with the Tahquamenon Country Sled Dog Race in anyway please get a hold of David via phone or email as listed below.

Merry Christmas and Happy New Year to all,
73,

Greg
KI8AF

Hello all,

This is David D. Dake (KC8QZG) from Newberry and I have volunteered to be the Ham Radio Coordinator for the Tahquamenon Country Sled Dog Race this year. I have been in contact with Marv Dewitt (KC8MLD) who has been the coordinator but he decided to step down from that duty after years of meritorious service. I can't thank Marv enough for all he did coordinating us hams over the years. That was no small feat and he definitely deserves some sort of a medal. He e-mailed me all the information he has accumulated over the years and that will definitely make my job easier.

This year's event will be held on Jan 6, 2007 at the Rainbow Lodge located north of Newberry and the races will start at 9:30AM instead of 9:00AM. The purpose of this e-mail is to find out who will be able to help this year so please get back to me as soon as possible, one way or the other, so I can plan accordingly.

Marv sent me a list of who helped last year and what their position was. I will try to put people in the same positions as last year. If you want a different position, please let me know. But again, please get back to me as soon as possible so I can get things organized. January 6th will be here before you know it. I can be reached by phone at 800-272-7805 (work), 906-235-7894 (cell) or 906-293-2917 (home) or by e-mail at daved@forestinsurancecenter.com.

Thanks in advance for your quick response to this e-mail.

73

David D. Dake, KC8QZG

Mich-A-Con Amateur Radio Club Minutes of the December 12, 2006 Meeting.

The meeting was called to order by President Tom Martin, W8JWN at 6:30 PM.

Secretary Report:

The minutes of the November 10th meeting were read and approved.

Treasurer Report:

Balances for end of November:

Checking: \$91.18

Repeater Savings: \$1163.86

Regular Savings: \$1605.62

Petty Cash: \$25.63

Debits from checking: WE Energies \$17.87; SBC \$23.26

Repeater Report:

Lee, N8LT, reported that line noise is present on the 444.850 repeater. The repeater is producing full output. Lee and Mike, K8DDB, replaced the coax with hardline on the lower portion of the feed line from the new antenna into the repeater building. Steve, KD8CCP, reported that he has been unable to get an answer from MDOT on the placing of repeater signs on US2 entering Iron Mountain.

Old Business:

ARES:

The SET will not be conducted this year. Dennis plans to conduct an SET next year at the regularly scheduled time.

The EC meeting on December 9th was well attended, with about 40 people from Michigan District 8, northern Wisconsin, Michigan's SEC and even a representative from Canada in attendance.

Emergency Generator:

The Dickinson County Board of Commissioners approved the expenditure of \$2200 for an emergency generator and associated equipment for the Dickinson County ARES/RACES group. See new business for a listing of requested associated equipment.

New Business:

Election of officers was conducted. Nominations were made, seconded and voted upon with those in attendance voting unanimously for the following candidates:

President – Tom Martin, W8JWN

Vice President – Mike Boileau, N9NBN

Secretary – Mike Bray, K8DDB

Treasurer – Dennis Beurjey, K8SWX

In addition to a Honda 3800SX generator with wheel kit and electric start, the club requests that the following

equipment be purchased with the \$2200 allocated by
Scott Celello, Dickinson County Sheriff's Department's
Emergency Services Coordinator:

Battery maintainer
Rack mount line conditioner with AC line

meter

Emergency lights – 2 stands w/one 300 watt
light per stand

Two 80 foot 12 gauge extension cords
One Isobar surge protector
Astron DC power supply RS35M
RigRunner 4008/C DC power strip
Lock box
5 gallon gas can
2 qts synthetic oil.
Container of Stabil gasoline stabilizer

For the Good of the Order:
Members discussed their current radio related
activities.

Adjournment:
The meeting was adjourned at 8:22 PM.

Submitted by: Mike Bray

Attendees:

Mike Bray, K8DDB – Secretary
Mike Boileau, N9NBN – Vice President
Scott Jarmusch, KA8TFF
Dennis Beurjey, K8SWX - Treasurer
Lee Michaud, N8LT
Tom Martin, W8JWN - President
Burton Armbrust, WB8EBS
Steve Skauge, KD8CCP
Bob Uren, KC8TWG

On the Lighter Side:

Did you hear about the two
antennas that got married?

The wedding wasn't much
but the reception was great.

100 YEARS OF VOICE OVER RADIO

From:

The IARU E-Letter and The International
Amateur Radio Union.

IARU E-Letter for December 2006

December 2006 marks the 100th anniversary of what is generally regarded as the first transmission of voice over radio, achieved by Canadian experimenter Reginald A. Fessenden. The Fessenden station, located at Brant Rock, Massachusetts, USA, is said to have operated on a frequency of about 88 kHz using an alternator with a maximum power output of about 300 watts. A century ago, radio -- then called wireless -- was amazing the world. A century later, radio -- once again being called wireless -- is still amazing the world in new ways. Surely Fessenden, who later in life was an active radio amateur from his station VP9F in Bermuda, would marvel at the progress that continues to be made in digital voice and other technologies that could hardly have been imagined in 1906. What new breakthroughs will 2007 bring? Until next month (and next year), Sincere 73,
David Sumner, K1ZZ Secretary, IARU

GeneSat-1 set to launch December 11th

from:

The ARRL Letter Vol. 25, No. 48 December 8, 2006

A satellite carrying an Amateur Radio telemetry downlink on 70 cm is set to launch Monday, December 11, from Wallops Island, Virginia. A collaboration of NASA Ames Research Center, industry and local universities, the GeneSat-1 CubeSat <http://www.crestnrp.org/genesat1/> will transmit AX.25 1200 bps FM/AFSK telemetry on 437.075 MHz.

The satellite will carry an experiment to gauge the effects of space radiation and reduced gravity on bacteria. To foster interest within the amateur community and to support Amateur Radio and space technology outreach to secondary and higher education student groups, the GeneSat University Mission Ops Team is sponsoring a contest <http://www.crestnrp.org/genesat1/ahc.html>.

The Grand Prize will permit the winner to choose a college or university to receive a satellite tracking station. It will go to the station logging 12 or more data packets each from the greatest number of satellite passes during the experiment.

The First Contact Prize will recognize the station submitting the first packet after transmissions initiate. The first 20 stations to post packets will receive mission pins and a certificate of recognition; and anyone submitting at least one packet gets an electronic GeneSat-1 QSL card.

Additional information on GeneSat-1 and other CubeSats is on the Amateur Radio Information and Support for CubeSats Web site <http://showcase.netins.net/web/wallops/CubeSat.htm>. Rocket launches from the Wallops Flight Facility are available live via the Web <http://www.wff.nasa.gov/webcast/>, starting approximately 30 minutes before launch.

**Mich-A-Con Amateur Radio Club
Membership Application/Renewal Form**

Please remit dues to:
Dennis Beurjey K8SWX
612 Balsam Street
Kingsford, Mi 49802

Name: _____
Address: _____
City, State, Zip: _____
Call Sign: _____
Email Address: _____
Phone: _____
ARRL Member? Yes ___ No ___

Annual dues are due in January. Please make checks payable to Mich-A-Con ARC
Annual dues are 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 or \$2.50 per month for a Family membership.

**If you are an occasional or seasonal user of the repeater, please consider our Repeater-Only-Membership

Exam Schedule:

City: Iron Mountain
Location: Dickinson County Library
Room: Conference Room
Time: 9:30 AM Central Time
Contact: Mark Lewis, N8UKD
Telephone: (906) 774-6598

Exam Date: Feb 3rd, 2007
Exam Date: May 5th, 2007

Bring two (2) pencils, a pen for the official paperwork, the originals AND copies of any previous credit that you have earned (Certificates of Successful Completion or current license), one (1) photo ID (usually a driver's license), one (1) other ID. (Usually a birth certificate or Social Security Card.) Bring a calculator if needed. (Make sure your memories are cleaned out.) Remember to bring the test fee of \$14 (2006) too!

Repeaters:

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

Identifier: WA8FXQ/R IMT

<u>Output</u>	<u>Offset</u>	<u>PL Tone</u>
146.850 MHz	Minus	-----
444.850 MHz	Plus	100

Both repeaters have an auto patch with a toll restriction. The auto patch on the 2-meter repeater can be used with permission. The 440 auto patch is for club use only.

An ARES/RACES net is held on the 146.850 repeater every Thursday at 6:30 PM. Dennis, K8SWX is the net manager.
The UP 2-Meter Social Net is held on Sundays at 7:00 PM on the 146.850 repeater.

FCC to Drop Morse Testing for All Amateur License Classes

From ARRL Headquarters Newington CT
December 16, 2006

In an historic move, the FCC has acted to drop the Morse code requirement for all Amateur Radio license classes. The Commission adopted a Report and Order (R&O) in WT Docket 05-235. In a break from typical practice, the FCC only issued a public notice at or about the close of business and not the actual Report and Order, so some details -- including the effective date of the R&O -- remain uncertain. The public notice is located at http://hraunfoss.fcc.gov/edocs_public

BPL, AN OBSERVATION & THE REASON

from:

WEAVER'S WORDS MON DEC 11TH 2006

Jim Weaver, K8JE

I thought you'd be interested to know that more power companies have dropped plans for developing BPL systems than are announcing plans for new systems. I am aware of the following companies that have terminated on-going operations or cancelled plans to develop systems: PPL Electric, United Illuminating, Southern Maryland Electric, Idaho Power and Rochester Power. Why, then, is ARRL pursuing a court battle to force FCC to justify its recent ruling on BPL? Isn't BPL going to die a natural death as it is? The answer to the last question is yes. BPL can be expected to fade away from most locations, at least, because it offers very little to consumers and to providers. The only people who really benefit from it are the ones who sell the equipment to power companies. So, why spend thousands upon thousands of dollars to continue to fight it? The reason is that the FCC ruling does more than effect BPL. Said in only a little overly simplistic manner, this ruling sets the precedent that non-licensed systems that merely unintentionally radiate radio waves take precedence over services that are licensed to function by intentionally radiating radio waves. This means that any future system that comes along and "incidentally" radiates and causes interference to any licensed service has the upper hand over the licensed service with which it interferes. As a result, the bad FCC ruling that was made with BPL as the cause behind the ruling will continue to exist to haunt us and other licensed services long after BPL disappears.

ARRL MEMBERS' DONATIONS VITAL TO SUCCESS OF BPL COURT APPEAL The ARRL Letter Vol. 25, No. 48 December 8, 2006

ARRL CEO David Sumner, K1ZZ, is urging League members to turn their outrage at the FCC's unreasonably favorable treatment of unlicensed BPL systems into generous donations to the 2007 ARRL Spectrum Defense Campaign.

The ARRL is suing the Commission in the US District Court of Appeals -- DC Circuit on the ground the FCC concocted rules to -- in Sumner's words -- "accommodate a polluter of the radio spectrum" at the expense of the licensed users it's supposed to protect. "

The BPL rules adopted in 2004 were bad enough," Sumner stressed in an appeal for member contributions to the Spectrum Defense Campaign to help cover the considerable expense of the court appeal. " The rules adopted in 2006 are intolerable. Never before has an unintentional emitter been given a free pass to interfere with licensed radio services." The ARRL's suit will focus in part on a new FCC rule aimed directly at mobile stations in all radio services, including public safety systems, that the Commission slipped into its August 2006 Memorandum Opinion and Order (MO&O) that dealt with various petitions, including one from ARRL, to reconsider portions of the October 2004 BPL Report and Order (R&O) establishing rules governing BPL systems.

The new rule, §15.611(c)(1)(iii), provides that BPL operators only have to reduce emission levels below established FCC permissible limits by 20 dB below 30 MHz and by 10 dB above 30 MHz -- even if that's insufficient to resolve harmful interference complaints. "This isn't just a proposal. It's a rule that is now in effect," Sumner points out in his letter. "With one stroke, the rights of FCC licensees have been subordinated to those of spectrum polluters!"

The League further maintains that the FCC erred in declining to adjust the 40 dB per decade "extrapolation factor" applied to emission measurements performed at distances from power lines other than those specified in Part 15. The existing Part 15 rule causes test results to underestimate actual field strength, the ARRL has asserted, arguing that a figure closer to 20 dB per decade is appropriate.

Sumner says the FCC simply didn't listen. "Without even attempting to address this evidence, the FCC simply concluded: 'No new information has been submitted that would provide a convincing argument (Cont next page....)

(.....Cont from prev page)

for modifying this requirement at this time," he said. "Information was submitted; the FCC ignored it." Sumner says that determining the outcome you want and adjusting the facts accordingly doesn't constitute reasoned decision-making, as the League will demonstrate in court. "We will show that the FCC did not come to a reasoned decision in developing its BPL rules," he said.

Highlighting the extreme importance of the League's BPL lawsuit, Sumner warns that even if BPL should disappear tomorrow, "the FCC's preference for unlicensed, unintentional emitters over the interests of its licensees will remain on the books." "Bad rules left unchallenged will lead to even worse rules later," he said. Sumner reviews the League's history of BPL dealing with the FCC in his "It Seems to Us . . ." editorial, "Pretending to Sleep" on page 9 of October QST. <http://www.arrl.org/news/features/2006/10/01/1/>

ARRL Chief Development Officer Mary Hobart, K1MMH, says that while ARRL 2007 Spectrum Defense Fund donors have been quite generous, there's still some distance to go before the campaign reaches its goal of \$250,000 by year's end. "The League has your back," Hobart tells ARRL members. "This lawsuit is an important and very expensive proposition, undertaken only after careful consideration by the ARRL Board of Directors. We try to make every dollar count, and in this instance, they will count." While the spotlight this fall is focusing on the BPL court appeal, the League still needs to be in a position to support its ongoing spectrum defense efforts, she added. "The best thing members can do is contribute. This is a case where the ARRL is putting its money where its mouth is, and member support is critical." Hobart stressed that reaching the campaign's goal by December 31 is paramount. "It's been a good financial year for many people," she said, "and we hope those who have benefitted from the economic upswing will opt to be as generous as they can."

Links

ARRL WEB PAGE: <http://www.arrl.org>
ARRL MICHIGAN: <http://www.arrl.mi.org>
US REPEATERS: <http://www.usrepeaters.com>
MICH-A-CON : <http://www.qsl.net/ka1ddb>
Tropospheric Ducting Forecasts:
<http://www.dxinfocentre.com/tropo.html>

UP 200 SLED DOG RACE

With the UP 200 Sled Dog Race less than 2 months away, it is time to start organizing Radio Operators that are willing to volunteer for the race once again. Our assistance is vital for the Dog sled Race to be successful. This year the number of entrants has been increased, but there will be very little changes where we will have our operators positioned. If you are still willing to help and would be willing to work the same checkpoint as last year, please let us know. **WE NEED YOUR HELP!**

Please call or email us if you are willing to help again this year:

Sheree Gembolis KD8EDS
sgembolis@charter.net

906 485-5442

Lou Gembolis KG8NK
lgembolis@chartermi.net



Field Day 2006 Tom W8JWN on the Air

Mich-A-Con ARC Activities for JANUARY 2007

<u>SUN</u>	<u>MON</u>	<u>TUE</u>	<u>WED</u>	<u>THUR</u>	<u>FRI</u>	<u>SAT</u>
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u> <u>ARES</u>	<u>5</u>	<u>6</u>
<u>7</u> <u>UPSN</u>	<u>8</u>	<u>9</u> <u>MEETING</u>	<u>10</u>	<u>11</u> <u>ARES</u>	<u>12</u>	<u>13</u>
<u>14</u> <u>UPSN</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u> <u>ARES</u>	<u>19</u>	<u>20</u> <u>BREAKFAST</u>
<u>21</u> <u>UPSN</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u> <u>ARES</u>	<u>26</u>	<u>27</u>
<u>28</u> <u>UPSN</u>	<u>29</u>	<u>30</u>	<u>31</u>	— —		

From the HARA WEB SITE

Hiawatha Amateur Radio Association

Swap and Shop

February 3, 2007

If you didn't make the 2006 Swap and Shop here is a little of what you missed. Just like the previous events, every table, forty of them, sold out well in advance with a waiting list of potential sellers wanting tables. There was a couple of commercial vendors there, plus we had over 50 door prizes with several of them being worth over \$100 each. Sorry you missed it, so:

DON'T MISS THE YEAR 2007 EVENT. Plans are in the works to make it bigger and better than last year. The Hiawatha Amateur Radio Association prides itself on making this Swap and Shop the best in the U.P. Each year we attempt to out do the previous year and this year is no exception. Mark your calendar now and we'll see you there.

This year's event as usual will take place at the Negaunee Township Hall, midway between Negaunee and Marquette on highway M-35. From the intersection of highways U.S. 41 and M-35, go south on M-35 approximately one (1) mile and you'll be there. For the folks coming from the south and on M-35, just keep on a comin', you won't miss the place. (see map below)

The talk in frequency will be the 147.27+ repeater with a 100 Hz PL Tone, using the K8LOD callsign.

Doors will open at 9:00am and the event is scheduled to end at 3:00pm. Admission is only \$4.00. There will be plenty of door prizes and as always the raffle drawing (need not be present to win any of the raffle prizes). Raffle tickets are \$1.00 a piece or 6 for \$5.00, so bring an extra five spot along. Many tables have already been sold and is usually a sell out, so if you want a table give Bruce, WB8NJP at 906 486-6400 or Bob, N8PKN at 906 226-9782 a call. Bob can also be reached via email at n8pkn@aol.com. Tables are \$6.00. There's no need to bring a lunch or go out to eat as there will be plenty of food, treats, coffee and sodas available at the refreshment stand. Lots of ham gear on the club table this year, hope to see you there.

MICH-A-CON RF

Mich-A-Con ARC
c/o Stephen Skaug
945 Woodward Ave Apt 5
Kingsford, Mi. 49802-4438

Club Meetings:

The Mich-A-Con Amateur Radio Club meets on the second Tuesday of the month at 6:30 PM in the Grace United Methodist Church (upstairs in the room next to the sanctuary), 721 Norway Street in Norway, Michigan. 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:
Mike Boileau N9NBN
(715) 251-3137
n9nbn@uplogon.com

Secretary:
Mike Bray, K8DDB
(906) 563-7020
mikebray@chartermi.net

Treasurer:
Dennis Beurjey, K8SWX
(906) 771-1996
dbeurjey@msn.com

Reminders:

Club dues for the year 2007 are payable in January. Please use the Membership Application/Renewal form in this newsletter when paying your dues. Checks should be made payable to Mich-A-Con Arc and sent to our Treasurer, Dennis Beurjey, K8SWX, at the address listed on the form. Thank-you for supporting your club!

The monthly meeting for January is on Tuesday the 9th at 6:30 PM in the Grace United Methodist Church, 721 Norway Street Norway Michigan. (Upstairs in the room next to the sanctuary.)

