

Mich-A-Con RF

Iron Mountain, Michigan

February 2007

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Visit the ARRL's web site
at <http://www.arrl.org>

UP200 Dog Sled Race Adventures: Chatham Michigan Steve KD8CCP

I had such a great time working the UP200 Dog Sled Race in 2006 I made sure I signed up to help out again for 2007. Lou, KG8NK put out a late call that the HAM that usually covers Chatham Michigan on Friday night from 2130 hours could not do it this year. Lou suggested that Bruce, KB8RJV and myself, Steve, KD8CCP change our assignments to cover this important location.

Bruce and I checked into headquarters about 8:00 PM and found out the racers were moving very fast. We jumped into the vehicles and made the road trip to Chatham. Arriving at about 9:15PM we were met by the UP200 Race personal, including Dennis, a fifteen year veteran of dog sled racing. Dennis informed us we had not missed any teams so we set up our vehicles. It was not long before the dogs started zooming thru our checkpoint! It is amazing how fast they seem to go by.

I had taken my two hand held 2-Meter radios with me just for kicks. I know from the previous year when our very own Dennis, K8SWX and I worked the race it is fun to be outside actually helping the dog teams cross the road. I figured I could be monitoring at all times this way and even if I could not hit the repeater Bruce and I could use Simplex as needed.

The night was going fast and the dogs were crossing with out incident until the second to the last team crossed our checkpoint. The team zoomed by and around the corner out of sight when we heard a call for help. Several of the crossing team members ran down the trail to lend assistance. I handed Bruce, KB8RJV one hand held and told him to go 52 Simplex , I took the other with me down the trail.

Dennis from the crossing team met me about half way between the stopped dog sled team and the checkpoint running back towards me. He said we had to get to the radio, a dog had a seizure. I quickly informed him that I had a radio with me and called back to Bruce to inform Headquarters (K8LOD) about our situation.

Dennis and I then made our way down the trail to the team. The dog seemed to be fine now but the owner did not think he wanted to make the dog stay in the race all the way to Wetmore, the dog drop area. Dennis had me relay via Bruce the condition of the dog, and ask what options the dog team had.

Several minutes later the race officials had us relay the answer: The dog had to be "bagged". This meant the owner put the dog in the sled as a passenger. The owner quickly put the dog into the sled and they moved on.

I was now very happy I brought my HT radios.... it saved a lot of running back and forth!

We cleared Chatham about 1:30 AM and arrived back in Negaunee about 2:30 AM. It was a good night for Dogs and Hams!

WORDS FROM THE PRESIDENT

Submitted by :

Tom :W8JWN

You Know You're a Ham if ...

You buy electrical black tape in ten packs.

You've stripped wire with your teeth.

You've told your son that, "One day, all this will be yours", and he doesn't respond.

You'd rather help a buddy put up a new tower than mow the lawn.

You've grabbed the wrong end of a soldering iron.

You start giving out RST reports when you are on the telephone.

The propagation forecast means far more to you than the local weather forecast.

You tell the XYL, when she notices a new rig in the shack, "Why that has been there for years." (Works for me.)

Your watch is set only to UTC.

At night, when you pray, it starts off something like: CQ CQ CQ GOD DE (your call sign).

You ever had to patch your roof after an antenna project.

Ham radio magazines comprise more than 50% of your bathroom library.

You ever put a GPS tracker in the XYL's car, just so you could watch her on APRS.

You ever tapped out HI in Morse on your car horn to another ham.

You ever had an antenna fall down.

Your teenager refuses to ride in your car because it looks like a porcupine.

You know the Latitude and Longitude of your home QTH.

You go into the local Radio Shack store and the clerk asks you where something is!

CLUB EQUIPMENT LIST

TOM MARTIN W8JWN has custody of the following club equipment:

1. Gin pole for Rohn tower sections with 100 feet of rope.
2. Small TV type rotor and control.
3. Dipole antennas for 80,40,20,15 and 10 meters with 50 feet of RG58 coax.
4. Various lengths of string for antennas (not very heavy).
5. RG8X with double shield (100 ft).
6. 3/16 Single Braid Dacron rope (200 ft).
7. 20 meter open stub (nulls 40 and 15 meters).
8. 40 meter shorted stub (nulls 20 and 10 meters).
9. 40 meter shorted stub (nulls 15 meters).
10. 6 PL259 silver connectors.
11. 4 T-adapters for stubs.
12. 4 UG-176 silver sleeves.
13. 3 right-angle connectors.
14. Hygain tri-band beam antenna.
15. G5RV antenna.
16. Club banner.

MIKE BRAY K8DDB has custody of the following club equipment:

17. 40 foot light tower.
18. Lafayette 80 - 10 meter tube type VFO #99-2501 with operating manual.
19. J-38 Morse code straight key.
20. Lambda model LT-2095A-1583 power supply 0 to +32VDC, 2 amp (rack mount).
21. Multi-meter ME-26D/U (old military type) by Sentinel Electronics, Inc.
22. Power supply (partially built - home brew).
23. Duplexer (rack mount - home brew) TX and RX cans- possibly 440 MHz.

Mich-A-Con Amateur radio Club Minutes of the February 13, 2007 Meeting

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

Secretary Report

The minutes of the January 9 meeting were read and approved. (President Martin read the minutes, due to the absence of club secretary Mike Bray, K8DDB.)

Treasurer Report

The report was given by Tom, W8JWN, in the absence of Dennis, K8SWX.

Balances for the end of January:

Checking: \$311.58

Repeater Savings: \$1165.64

Regular savings: \$1605.62

Petty Cash: \$26.00

Repeater Report

Lee, N8LT, informed the group that there wasn't a report at this time on the replacement of the present repeater. There was discussion of fund raising events to obtain money to purchase a new repeater. Approximate cost would be \$1400. The CEDAP grant money program has been closed for the next year.

ARES

Tom, W8JWN, gave ID badges to the ARES members that were present.

All of the equipment for emergency communications has been purchased and located at Rocconi Supply and the Dickinson Co. Sheriff's Office. A lengthy discussion of storage of the equipment and all club equipment was held. It was the conclusion of the group that an enclosed trailer would be the best. Everyone will be looking for a 6 X 12 unit for the club. Tom, W8JWN, will contact Scott Celello to see if there is anything available from the Escanaba surplus auction, or FEMA.

Old Business

No word on the repeater signs on the city limits of Iron Mountain.

New Business

Scott Jarmusch gave a report on the Iron River testing.

For the Good of the Order

Members discussed their current radio related activities. It was good to hear that many were operating on HF.

Adjournment

Randy, KB9ZES, moved to adjourn. Steve, KC8RRY, seconded the motion. The meeting was adjourned at 7:40 PM.

Submitted by Thomas Martin

Attendees Tom Martin, W8JWN---President

Bert Olson, KD8DJN

Scott Jarmusch, KA8TFF

Lee Michaud, N8LT

Mike Boileau, N9NBN---Vice President

Scott Baker, AB9AVX

Steve Johnson, KC8RYY

Bob Uren, KC8TWG

Burt Armbrust, WB8EBS

Randy Zandt, KB9ZES

Gavin Rogers, Guest

Big Mac, the Mackinac Straits Bridge, is celebrating its 50th year of operation in 2007.

From:

ARRL Michigan Section Section Manager:

Dale R. Williams, WA8EFK wa8efk@arrl.org

Marquette - 20 February - For Immediate Release

Michigan amateur radio operators have a once-in-a-lifetime opportunity to participate in a Michigan-based special event that is likely to attract national, possibly world-wide attention. Big Mac, the Mackinac Straits Bridge, is celebrating its 50th year of operation in 2007.

The celebration committee has tentatively accepted a proposal to include an amateur radio special event in the formal celebration program. The amateur community has less than a month to develop enough of an event plan to open discussions with the celebration committee on operating hours, setup and teardown logistics, space and power requirements, on-site staffing, publicity and signage to start working with the committee when the proposal is formally adopted, probably at their 8 March meeting.

Two UP clubs and a Mackinaw-area ARES group have already signed on as provisional sponsors, and the Michigan Section of the ARRL is endorsing the event. The public event is scheduled for July 27-28 at Bridge View Park at the north end of the bridge. There will be parades, fireworks, a banquet, and exhibitors and many public-oriented activities at the park.

National Public Radio will be there as parts of its Story Corps project capturing personal stories and recollections of family encounters with the bridge and its lore. The celebration committee is getting inquiries and offers of participation from all over the country and local motels have already noticed a jump in reservations.

ARRL Section Manager Dale Williams notes that "This is an outstanding opportunity for the amateur community to put on a great event that will be interesting for on-site visitors at the celebration grounds but also to show our pride in one of the very few symbols that is specifically about Michigan that is known world-wide. I want to encourage our clubs and individual members to help out with this event however they can. Even if they can't actually sign up for operating shifts or working the public information desk, help is needed with technical planning, local logistics, ideas for public exhibits, getting QSL cards and tee-shirts printed.

There's a role for everyone interested." Clubs and amateurs interested in getting involved in this unique opportunity should contact John at the Big Mac 50 Special Event Committee by phone

(906 869-6621) or by email: kc8ule@arrl.net.

V.E. TESTING:

03-Mar-2007

Sponsor: Iron River Club

Time: 7:00 PM Central time (After the Club Meeting)

Note: Pre-Registration is Required

Contact: Dan Waters, AA9JG (906)265-4240

Email: dmwaters@ironriver.tv

Location: Iron River Lutheran Church

10-Mar-2007

Sponsor: HIAWATHA ARA

Time: 8:30 AM (Walk-ins allowed)

Contact: RICHARD E SCHWENKE (906)249-3837

Email: N8GBA@CHARTERML.NET

VEC: [ARRL/VEC](#)

Location: MARQUETTE HEALTH DEPT BLDG 184 US 41 E
NEXT TO MI STATE POLICE BLDG NEGAUNEE, MI 49866

14-Apr-2007

Sponsor: HARC/CCRAA

Time: 8:30 AM (Walk-ins allowed)

Contact: GEORGE R THURNER (906)337-2542

Email: W8FWG@ARRL.NET

VEC: [ARRL/VEC](#)

Location: MICHIGAN TECH UNIVERSITY-US HWY 41
WADSWORTH RESIDENCE HALL OPPOSITE CAMPUS RADIO
WMTU ROOM NUMBER G04W HOUGHTON, MI 49931

14-Apr-2007

Sponsor: DELTA COUNTY ARS

Time: 9:00 AM (Walk-ins allowed)

Contact: LYSLE L ELDER (906)789-1543

Email: HAMBONE@UPLOGON.COM

VEC: [ARRL/VEC](#)

Location: BAY DE NOC COMM COLLEGE-ROOM 402E
HEALTH & APPLIED SCIENCES BLDG FROM US2-TURN W TO
DANFORTH RD PARKING LOT "D" ESCANABA, MI 49829

05-May-2007

Sponsor: Mich-A-Con

Time: 9:00AM (Arrive by 8:30)

Contact: Mark J.Lewis N8UKD (906) 774-6589

Email:

VEC: [ARRL/VEC](#)

Location: DICKINSON COUNTY LIBRARY (Conference Room)
IRON MOUNTAIN, MI 49802

Examinees should bring 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), 1 photo ID (usually a drivers license) and 1 other ID (usually a birth certificate or SS card), a calculator if needed (make sure your memories are cleaned out), and the test fee. (2007 fee is \$14). Please have the correct fee as examiners do not carry change.

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>

FCC Universal Licensing System:

<http://wireless.fcc.gov/uls/>

QTH.COM: <http://www.qth.com/>

QRZ.COM: <http://www.qrz.com/>

Ehamnet.com: <http://www.aham.net/>

U.P Ham Directory From The Standing Wave March 2007

The CCRAA will be publishing the U.P. Ham Directory for 2007. Only 100 are being printed this year and the price will be \$5.00 per copy. The directories will be available in late April at the Chassell Shop-N-Swap. Save some postage by having someone pick up your copy. Please order in advance to be assured a copy.

Contact George R. Thurner, W8FWG at w8fwg@arrl.net.

ARRL INVITES COMMENTS ON NEW HF DIGITAL PROTOCOL

From:

The ARRL Letter Vol. 26, No. 08 February 23, 2007

The ARRL is seeking comments from amateurs concerning development of an open-source (non-proprietary) data communications protocol suitable for use by radio amateurs over high-frequency (HF) fading paths.

This is not a Request for Proposals (RFP). An RFP may or not be forthcoming depending on evaluation of the information received. Specifically, the League is asking for comments and information on the following issues:

* **Access Method:** Is Orthogonal Frequency-Division Multiplexing (OFDM) the best candidate technology, or should other competitive technologies be considered?

* **Data Rate and Bandwidth:** What data rates/throughputs are achievable at various bandwidths up to 3 kHz bandwidth?

* **Adaptivity:** What adaptive features should be considered, such as automatic adjustment of transmitter power, modulation waveform and coding, in order to maximize throughput and efficiency in two-way contacts?

* **Robustness:** What is achievable for reliable operation at power levels typical in the Amateur Radio Service and low signal/noise and interference ratios?

* **Error control:** What are the appropriate applications of error control suitable for HF channels? For example, how should Repeat reQuest (ARQ) and Forward Error Control (FEC) be applied to two-way contacts and one-to-many (roundtable and bulletin) transmissions?

* **Activity Detection:** What is an effective method of determining whether a frequency is busy prior to transmission?

* **Operating System:** What operating systems (such as Windows or Linux) are appropriate for Amateur Radio use with this protocol?

* **Hardware:** What practical and affordable hardware platforms are suitable for amateur stations? Consider the use of personal computers with or without sound cards. Provide any information about the need for an additional "box" if needed.

Please provide the following with your response:

- (1) name of respondent,
- (2) respondent's contact information,
- (3) related experience, and
- (4) type of respondent: (individual, partnership, corporation or group).

Do not include proprietary information as part of your response. Post, fax or e-mail your response by 1900 UTC, May 15, 2007, to ARRL Chief Technology Officer Paul Rinaldo, W4RI w4ri@arrl.org, 3545 Chain Bridge Rd -- Suite 209, Fairfax, VA 22030; Fax: 703-934-2079

ARRL COMMITTEE TO FORMALLY STUDY BACKGROUND CHECKS

From:

The ARES E-Letter February 21,
2007

Rick Palm, K1CE, Editor

In another significant ARRL Board action, the organization will study the controversial issue of background checks for Amateur Radio volunteer communicators. Citing the "increasingly-common practice among served agencies of requiring volunteers, including radio amateurs serving the agencies under the auspices of ARRL-sponsored programs, to submit to personal background investigations," and that "some types of background investigations raise valid concerns among the League's volunteers regarding personal privacy and identity theft," the President will appoint a committee to study issues related to background investigations and to recommend a policy on background investigations which addresses the interests of both the League and its volunteers. The Board recognized that the ARRL "must define and safeguard its own organizational interests as well as act in the best interests of individual volunteers serving under ARRL auspices, and should negotiate Memoranda of Understanding

with served agencies based on well-reasoned policy on background investigations. Recommendations will be submitted at the 2008 Annual Meeting, with interim reports supplied to the Executive Committee.

Echo Link News

From:
The Standing Wave
March 2007

SPACE SHUTTLE MISSION STS-117
REBROADCAST
MARCH 15TH 2007

The Ishpeming repeater 444.200 MHz (N8PUM/R) will have the rebroadcast of the Space Shuttle Mission, STS-117 on March 15th 2007. If you are on Echolink (using your computer), you may also listen to the very same broadcast by linking into the *ORLANDO* conference.

STS-117 will deliver a second starboard truss segment and a third set of solar arrays and batteries during the Space Shuttle Programs 21st mission to the International Space Station. Launch time is 6:43 am.

ECHOLINK USED DURING UP200 DOG SLED RACE.

Echolink was a success during the UP200 Sled Dog Race held on February 16th - 18th, 2007. Dave KC8QZG of Newberry put the Newberry Echolink System on the Grand Marie/Munising repeaters (in listen-only mode). Logging into the Echolink *Michigan* conference, hams were capable of monitoring the UP200 Sled Dog Race traffic. When the UP200 Sled Dog Race had concluded, Dave received many excellent comments from hams in the Grand Rapids, Michigan area and other areas on how well we did with handling the race traffic. "We sounded professional." was one of the comments. The UP200 traffic was being broadcast on several 2-Meter repeater systems in the Grand Rapids, Michigan as well as other areas around the country. Good Job People! We made a good impression as Yoopers!

UP Echolink Net Sundays at 7:00 PM Central Time

The UP Echolink Net is held every Sunday at 7:00 PM Central time. Anybody may participate in the net either by checking into the Ishpeming Repeater, 444.200 MHz (N8PUM/R) or via Echolink by logging into the *Michigan* conference. The Net Control is Dave, KC8QZG of Newberry. We are looking forward to hearing from you.

LANDMARK EMERGENCY PLANNING REPORT RELEASED; NATIONAL ARES DATA BASE, MAJOR DISASTER EMERGENCY COORDINATOR AMONG RECOMMENDATIONS

From:

The ARES E-Letter February 21,
2007

Rick Palm, K1CE, Editor

The much-anticipated report of the League's National Emergency Response Planning Committee appointed by President Harrison a year ago was received by the ARRL Board last month, and is available to the ARES community at:

<http://www.arrl.org/announce/reports-2007/january/NERPC-32aa.pdf>

The panel of expert amateur and professional emcomm members worked hard over the last year to provide recommendations to the Board that would improve ARRL's national preparedness.

Committee Chairman and ARRL First Vice President Kay Craigie, N3KN, noted that "these wide-ranging and sometimes challenging recommendations require responsiveness to rapid political and technological changes."

Flagship recommendations include the drafting and population of a National ARES Data Base; the creation of a new "Major Disaster Emergency Coordinator" position for incidents transcending Section boundaries; and the development of course and certification requirements for ARES operators. (Courses would include ARRL's ARECC Level 1, Red Cross combined course in Adult CPR/First Aid Basics, Red Cross Introduction to Disaster Services, FEMA IS-100 (Introduction to

Incident Command System), FEMA IS-200 (ICS for Single Resource and Initial Action Incidents) and FEMA IS-700 (National Incident Management System)).

The report is 29 pages long and contains in-depth rationales for the recommendations summarized above, as well as a plethora of additional related recommendations and information.

Readers are urged to read the report and comment to the editor. Future issues will feature the opinions of ARES members and others as the Headquarters staff and appropriate standing committee members work to implement the committee's recommendations.

The report represents the most comprehensive study and slate of action items in the matter of ARRL emergency communications planning and programs in the modern history of the League.

Revised ARRL Band Chart available:

From:

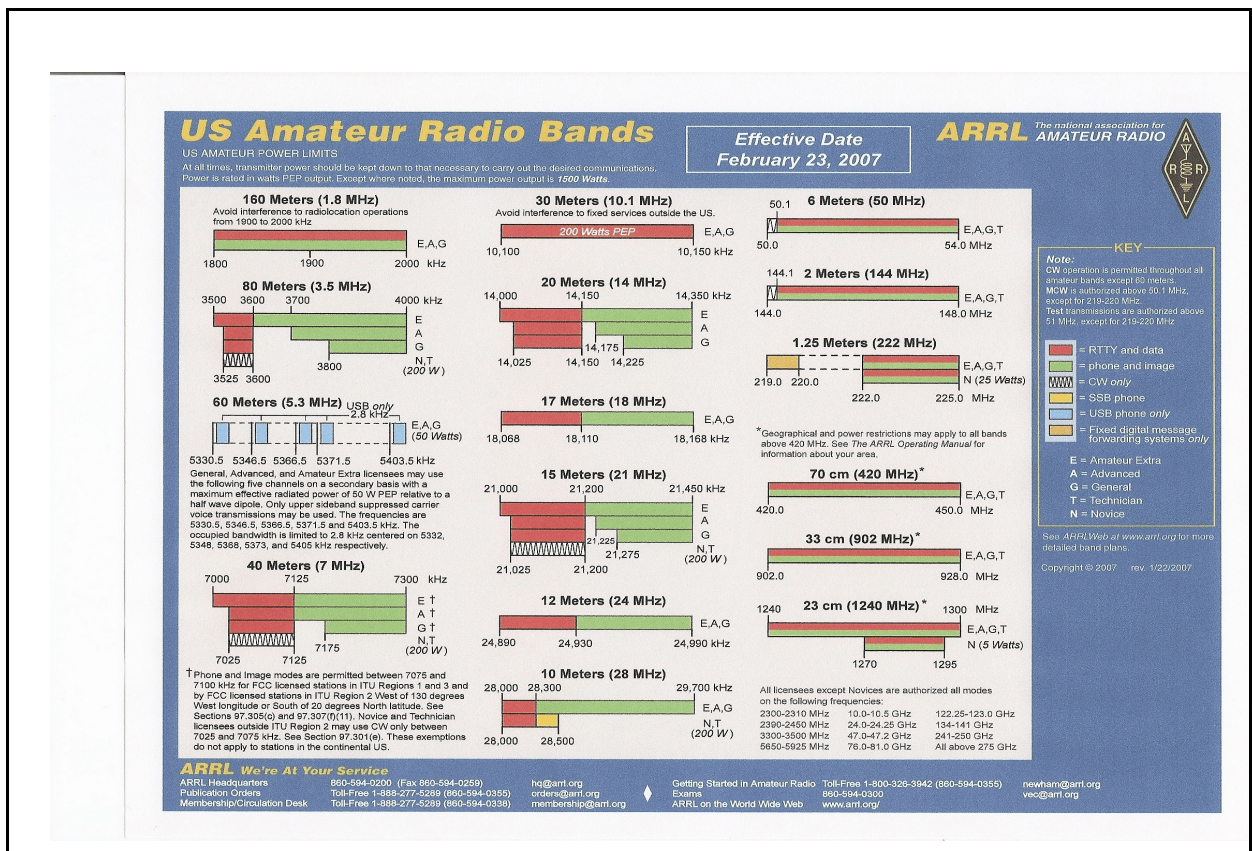
The ARRL Letter Vol. 26, No. 08 February 23, 2007

A new ARRL band chart reflecting all recent changes to the FCC Amateur Radio Service rules as of February 23, 2007, now is available for downloading on the ARRL Web site in either black and white or color versions .

<http://www.arrl.org/FandES/field/regulations/bands.html>

Created by ARRL Senior Technical Illustrator, Dave Pingree, N1NAS, the attractive new chart represents a major change from earlier designs. This is the same chart featured in the eight-page "Welcome" tear-out section in March QST (following page 48). The entire QST tearout also is available for downloading in PDF format

<http://www.arrl.org/HFWelcome/Welcome.pdf>



WRC-07 CONFERENCE PREPARATORY MEETING UNDER WAY IN GENEVA

From:

The ARRL Letter Vol. 26, No. 08 February 23,
2007

Some 800 delegates representing 97 countries are attending the second session of the International Telecommunication Union (ITU) Radiocommunication Sector (ITU-R) Conference Preparatory Meeting (CPM-07) in Geneva. A major step along the way to World Radiocommunication Conference 2007 (WRC-07), CPM-07 convened February 19 and will continue until March 2. Representing Amateur Radio are International Amateur Radio Union (IARU)

President Larry Price, W4RA, and Technical Representative Ken Pulfer, VE3PU. Other Amateur Radio representatives are part of national delegations. CPM-07 will finalize the technical report that will guide the work of delegates attending WRC-07 October 22 through November 1.

Drafting the CPM Report has occupied several ITU-R working parties for the past three years. No final decisions will be made at the CPM.

CPM-07 addresses 27 separate agenda items with a view to formulating the technical, operational and regulatory information on which WRC-07 will base its decisions. The resulting CPM Report provides background information on each WRC-07 agenda item, various methods of addressing the agenda items and the advantages and disadvantages of each.

The first session of the Preparatory meeting, held immediately following WRC-03, organized the necessary conference preparatory studies for WRC-07. Most study groups wrapped up their work last fall.

WRC-07 agenda items of interest to Amateur Radio involve allocations in the 4-10 MHz range, a possible secondary allocation to the amateur service at 136 kHz, the modification of footnotes to the Table of Frequency Allocations, and the selection of agenda items for future WRCs.

WRC-07 agenda item 1.13 will review allocations to all services between 4 and 10 MHz, excluding allocations from 7.0 to 7.2 MHz, which were settled to the advantage of Amateur Radio during WRC-03. Starting in

March 2009, radio amateurs will enjoy a worldwide 200 kHz segment on 40 meters.

WRC-07 agenda item 1.15 will consider establishing a secondary Amateur Radio Service allocation in the band 135.7 to 137.8 kHz. While CPM Report text describing a method to provide this allocation appeared to be finalized by February 22, it's no guarantee that WRC-07 will actually make the LF allocation.

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>PI 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.

SKYWARN SPOTTER

TRAINING:

FROM:
THE STANDING WAVE
MARCH 2007

The annual Skywarn Spotter training will be held at the Hiawatha club's May monthly meeting in Negaunee Michigan. The meeting is scheduled for May 3rd, 2007 and please note that the meeting will start at 7:00 PM versus the usual 7:30 PM.

Mich-A-Con ARC Activities for MARCH 2007

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

**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

MICH-A-CON RF

MICH-A-CON ARC
C/O STEPHEN SKAUGE
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 were 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 MARCH is on Tuesday the 13th at 6:30 PM in the Grace United Methodist Church, 721 Norway Street Norway Michigan. (Upstairs in the room next to the sanctuary.)

