

MICH-A-CON RF

Iron Mountain, MI

JANUARY

Meeting Reminder: **Second Wednesday of Month**

Which is **January 14, 2015** at 7:00 PM at Dickinson Library.

Please be there and support the cause of Amateur Radio.

In this Newsletter:

<i>Meeting Reminder</i>	– Page 1
<i>Words from President</i>	– Page 1
<i>Note from Editor</i>	– Page 2
<i>Meeting Minutes</i>	– Page 3
<i>ARRL Michigan News</i>	– Page 5
<i>Dales Words</i>	Page 8
<i>Veteran's Day Picture</i>	Page 10
<i>Field of Beams</i>	Page 11
<i>News</i>	Page 12
<i>Dx Code of Conduct</i>	..Page 12
<i>Call to Action</i>Page 13
<i>Classified</i>	Page 15
<i>Hamfest Info</i>	Page 17
<i>Links/Stuff</i>	– Page 18
<i>At the Club</i>	– Page 19
<i>Membership</i>	Page 20
<i>Membership Form</i>	– Page 21

Words from the President

The new year has gotten off to a very, very cold start! These -37 chill factor temperatures could drive one to either drink, or to a much warmer climate. HI!

This past weekend, January 3-4, I kept warm by operating in the ARRL RTTY Roundup. The shack was quite toasty, with two amplifiers running. I actually operated in short sleeves for a few hours.

Conditions weren't the best on but 10 meters was open for the entire weekend. I had 93 contacts on 10. The most in a contest in many years.

Ten is a strange band. Today, January 8, the A was 38 and the K was 3. SFI was 137. I saw ZL1ALZ in New Zealand spotted on CW at 28.010 on the cluster. I gave him a call using 100 watts and he came back to me on the first call. This was at 2:47 p.m.! With an A that high, I didn't think I could hear anything that far away on 10. Usually, our path is only to South America, or the Caribbean.

Another oddity in the RTTY test was working Nunavut, a territory of Canada. It broke off from the Northwest Territories in 1999. This contact gave me a needed multiplier. The only two I missed in Canada were the Yukon and Northwest Territories.

My equipment and antennas worked great during the contest. I had no RFI issues in the computer and N1MM Logger+ was flawless.

The only negative during the contest was that I didn't get to work the whole 24 hours. I had to go to a funeral visitation on Sunday afternoon. So, I only had 22.5 hours. I will find out later if this made a big difference in my ranking in the Great Lakes Division.

Big DX coming to our area in the weeks ahead! Iran(EP6T)and Navassa Island (K1N) will be on the air around January 16th. I need Iran on the low bands and K1N on everything but 20 SSB. I last worked them in 1992. It will be fairly easy to work Navassa. It is 2,034 miles south of Iron Mountain in the Caribbean.

Good luck to all and 73,
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 see my contacts for the other UP Amateur Radio Clubs. Provides a way of sharing info, classifieds, ham fests, etc.

***Merry Christmas
Happy Holidays
Happy New Year***

MICH-A-CON AMATEUR RADIO CLUB***MINUTES OF DECEMBER 10, 2014 MEETING***

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

Secretary Report

Minutes of the November 12th meeting were read and approved.

Treasurer Report

Balances as of December 9, 2014:

Checking - \$17.68

Regular Savings - \$ 1,739.05 of which \$ 1,455.25 is in the Trailer Fund.

Repeater Savings - \$ 233.49

Petty Cash - \$ 62.00

Repeater Report

The two-meter repeater is back on the new antenna after Skip Caswell and Bob Meyers did some work on it.

Gary Schafer reported that there is about 20 dB of noise on the repeater, all the time. He will know more after using his spectrum analyzer. The noise is a little lower on the old antenna.

According to Bob Meyers, we may relocate the antenna on the tower in the spring.

Bob Meyers also reported that the paperwork for repeater coordination has been sent in.

The 440 MHz repeater works better to the east. Bob Meyers has talked to Escanaba and Negaunee on it. As a result, it was agreed that the 440 and two-meter repeaters be linked.

Old Business

We have not checked, yet, with Mountain Motors to see if they have a trailer suitable for making an antenna trailer.

Tom Martin has received a letter from a ham who is interested in the club's National receiver, if it is repairable. Bob Meyers stated that the ham, from Three Lakes, donated our current two-meter repeater to the club. It was agreed that we will give him the radio.

President Tom Martin reported that he received requests for 13 QSL cards and 5 certificates from our Veterans Day special event. The requests are down compared to past years. The K8V call has been renewed for November 7 through 11, 2015. If there is enough interest we will do it again. We will need someone to take charge of it as Tom will not be participating.

More information about the Yaesu repeater offer, discussed at the November meeting, was made available. The price is \$599 for a \$1,800 repeater. It is both analog and digital and would be able to replace our two-meter repeater. A motion that we apply for the Yaesu repeater was approved unanimously.

New Business

There was discussion of activities the club might engage in during the coming year. We are especially looking for something that could be done before Field Day. Suggestions included:

- Getting a club table at the Negaunee Swapfest (February 7).
- A club social gathering (March).
- A Foxhunt. (April).
- Activating a lighthouse (August). This is still being investigated. Bob Meyers suggested perhaps lighthouses in the Keweenaw could be considered.

Burt Armbrust and Dave Thomas attended the Dickinson County Emergency Planning Meeting. They reported that the American Red Cross is closing many offices. At this point, the closest office is in Marquette.

The Emergency Communications Center at the Dickinson County Sheriff's office was also discussed.

The 50-50 drawing was won by Gary Schafer, who donated his winnings back to the club. The club treasury gained \$78.

Adjournment

The meeting was adjourned at 7:40 p.m.

For the Good of the Order

Attendees reported on their recent activities.

Submitted by Joe Ferris

Attendees

Tom Martin, WAJWN - President
Scott Jarmusch, KA8TFF - Vice President
Burton Armbrust Sr., WB8EBS - Treasurer
Joe Ferris, KC9TQR - Secretary
Terry Moriarity, K9TRY
David Thomas, KG9Y
Sam Holmes, N8ATS
Gary Schafer, K4FMX
Barry Perron, KC9NFT
Tim Miller, N8TUM
Skip Caswell, KE9L
Bill Bertoldi, KB8SBP
Jim Riverside, K8ABS
Bill Grabowski, KD8VTT
Debbie Grabowski, KD8VTS
Bob Meyers, WA8FXQ
Tom Heyboer, KC8TH
Joyce Williams, Visitor

ARRL MICHIGAN SECTION NEWS

Greetings to the Hams of Michigan: (from December)

At the Holiday Season, our thoughts turn to our families, friends and neighbors and focus on the good things in life and our individual and collective wishes for the coming year to be better for everyone than the previous year. We also think of those less fortunate than we are and do what we can to help provide for them.

Our thoughts also turn to those brave men and women who risk their lives to protect our country in the military forces and the police and fire departments in our communities. I would like to pass along best wishes for the holiday season from Diane and me to you and your families. My thanks go to the Michigan family of volunteers who work so hard for amateur radio in Michigan.

A special thanks to the Section Staff for their tireless efforts as well. I look forward to 2015.

Reflections

I think back to last December when we were thinking of what 2014 was going to be like in terms of amateur radio. We were moderately excited about the opportunities to make contact with W1AW portable stations in all 50 states as part of the ARRL Centennial Celebration. I, for one, did not fathom what an impact the Centennial would have on me. I have been a ham since 1978 and I have never spent so many hours in front of my radio as I have in 2014! And I say confidently that there are a lot of hams around the state and country that probably could say the same.

The Centennial QSO Party is absolutely the greatest idea and operating event that has ever been thought of in the ham radio world. If you take a look at the statistics available on the Centennial QSO Party website (<http://www.arrl.org/centennial-qso-party>), you will see the tremendous efforts that have been put forth by stations all over the world in an effort to work W1AW/xx in all 50 states and a large number of US territories as well as making contacts with individual operators.

The number of ARRL volunteers and staff members that have logged innumerable hours to be there for contacts by others is tremendous. Don't forget the once in a lifetime opportunity that was present for many individuals to actually operate as W1AW/xx from their home and club stations in order to provide contacts for other hams!

Of course, our amateur radio thoughts of 2015 center on the question of "what can we do to top this?" I don't have that answer, but I suspect time will prove that there is nothing in our lifetime that can compare with the Centennial Celebration of 2014. I do hope that the ARRL bicentennial celebration of 2114 will be even better!

PRB-1 Update

As this is being written, the Legislative calendar has but 3 days left:

December 16, 17 and 18. As it often seems to be, our bill, while very important to the ham radio community, is somewhat of a small blip on the radar of the legislature. As we know, the legislative slate is wiped clean at the end of the term and everyone has to start over.

Our Senate Bill 0493 has successfully passed unanimously in the Senate Energy & Technology Committee, the Senate floor and the House Energy & Technology Committee and the final hurdle is to be given its second and third reading on the House floor and to pass a vote before the House.

From there, the next stop would be the Governor's desk for his consideration. In recent months we have requested that the hams of Michigan support our efforts in various letter writing campaigns. You have responded in true Michigan ham fashion and we have inundated our legislators with letters. Because our bill is just a radar blip, this is how we get attention focused on our bill and our successes thus far are the direct result of your willingness to help. I thank you for that.

While our team is staying in touch with our legislative partners and adjusting strategy as required, we are pretty much just along for the ride at this point and are at the mercy of the House of Representatives. Our PRB-1 team has

done everything that we can to make this happen. Watch for various updates via email and on the Michigan Section portion of the ARRL website.

News From Around the Section

The last ARRL “Red Badge Day” on the air activity will take place on New Year's Eve, Wednesday, December 31. ARRL officers, elected officials such as Directors and Section Managers, as well as Headquarters staffers and volunteers, and other members of the ARRL family will take to the air en masse for one last opportunity to give out those valuable points. Contacts with wearers of the red badges can be worth as much as 300 points for working ARRL President Kay Craigie, N3KN. Many of the 200 or so holders of red badges will be on the air along with other ARRL appointees, VEs, and members.

Be sure to set aside some operating time for this last opportunity to enhance your Centennial QSO Party point totals. See you on the bands!

I am pleased to announce the appointment of Mark Shaw, K8ED from West Bloomfield, Mi to be our new Section Traffic Manager.

All net reports, Station Activity Reports (SAR), Public Service Honor Rolls (PSHR), Brass Pounder’s League (BPL) and any other reports that are sent by radiogram go to Mark.

FSD-212’s will continue to go to WB8RCR via reports@ares-mi.org.

Anything not sent by radiogram can be sent via reports@ares-mi.org.

Please welcome Mark to his new position and give him your cooperation.

2015 Club Elections Results

Oakland County Amateur Radio Society 2015 Officers:

President: Joe Miller KJ8O, Treasurer: John Eldred N8FNN, Secretary: Scott Craig N2OPQ.

Holland ARC 2015 Officers:

President: Tom Bosscher K8TB, Vice President: Bryan Leenheer, KD8LDX, Treasurer: Phil VanHuis K8PVH, Secretary: Phil, Malburg, KD8TEW.

Branch County ARC 2015 Officers:

President: Roy McCloud, KA8VSH, Secy/Treasurer: Ted Hadfield, KU8F, Board of Directors: Butch Hedges, KD8NKJ, Justin Lopshire, KD8JEL, Jim King, KC8UGV.

Arrow Communications Association 2015 Officers:

President: Jack Spence, N8PMG, Secretary: Mary Anne Stoner Nugent, W8VWY, Treasurer: Harvey Baus, KB8MUP, Technical Coordinator: Jay Nugent, WB8TKL, Public Service Officer: Jim Lommel, WD8RWI, Activities Coordinator: John Wasciuk, WA8TON.

Thank you for accepting the call to serve. Amateur radio clubs are truly the lifeblood of amateur radio.

Hospitality Acknowledgements

Nov 25 Chelsea ARC Meeting

Dec 7 L’Anse Creuse Hamfest

It was a pleasure to attend your event and I thank you for the hospitality you have shown me.

Section Staff Travel Plans

Jan 11, 2015 Hazel Park Hamfest – WB8R

Feb 2-5, 2015 MSP Interop Conference Traverse City – WB8R, etal

Feb 7, 2015 HARA Swap, Negaunee – WB8R

Feb 14, 2015 Traverse City Hamfest – WB8R

Feb 15, 2015 Livonia ARC Hamfest - WB8TKL

Mar 14, 2015 Crossroads Hamfest (new location in Kazoo) – WB8R

Michigan Section Traffic/ARPS Net (All times Local)

MACS - MI Amateur Communications System 3.952 1000 Daily

UPN – Upper Peninsula Net 3.921 1700 Daily; Noon Sunday

MIARPSC – MI Amateur Radio Public Service Corps 3.932 1700 Sunday

QMN – The Michigan Net 3.563 1830 and 2200 Daily

MITN – MI Traffic Net 3.952 1900 Daily

MIDTN – MI Digital Traffic Net 3.583 (Olivia 8/500) in waterfall 2000 Tues, Thurs, Sat

MIADS – MI ARES D-Star Net. Reflector 24A Mon 2000

D8EN - District 8 Emergency Net 3.909 Wed 2100

GLETN – Great Lakes Emergency and Traffic Net 3.932 2000 Daily

MVTN – MI VHF Traffic Net IRA Link System 2100 Mon, Wed, Fri, Sun

NLEUP - Northern Lower Eastern UP Net 146.64- 18:30 Daily

SEMTN – SE MI Traffic Net 146.76- 2215 Daily

TMMTN – Thumb Mid-Michigan Traffic Net 147.30+ 2130 Mon - Sat

More information is available at <http://nts-mi.org/>. Come join us on our traffic and public service nets.

Amateur Radio Public Service Corps (ARPSC) Activities

Station Activity Reports (SAR) for November, 2014: WB9JSR 345, K8ED 277, WB8WKQ 261, N8FVM 194, K8LJG 157, K8RDN 122, WB8TQZ 112, KB8RCR 111, WD8USA 75, KC8BW 50, WB8RCR 38, WB8H 32, N8OSL 31, WN8QGV 9, WB8R 9.

Total SAR reported: 1823

BPL for November, 2014: None

Public Service Honor Roll (PSHR) for November, 2014: WB8R 204, WB8RCR 198, N8FVM 160, N8OSL 153, WD8USA 150, K8RDN 135, KB8RCR 120, WB9JSR 110, WB8TQZ 100, WB8WKQ 100, K8ED 90, KC8BW 90, KC8YVF 77, WB8H 72, KD8LSM 14, WN8QGV 14, KD8WEG 4.

Net traffic for November, 2014: The Michigan Net 158, Michigan Amateur Communications System 122, Michigan Traffic Net 102, Michigan VHF Traffic Net 62, Upper Peninsula Net 45, Southeastern Michigan Traffic Net 45, Michigan Digital Traffic Net 44, Great Lakes Emergency and Traffic Net 36, Michigan Amateur Radio Public Service Corps 16, Motor City Radio Club 2 Meter Net 8, District 3 Digital Training net 7, Genesee County ARPSC Traffic and Training Net 6, Saginaw County ARES Net 4, District 3 ARPSC Net 3, Red Cross Net of Greater Grand Rapids 1, Bay Area Regional Traffic System 1, District 5 Hospital Net 0, Branch County Emergency Net 0, District 8 ARES Net 0, Chelsea ARC Net 0.

Total net traffic reported: 660

Volunteer Service Dollar Values: ARES: \$152,720; NTS: \$44,493;

Total contribution for December, 2014: \$197,213.

If you are reporting monthly, you can see your PSHR eligibility status at <http://www.nts-mi.org/>. The full details are at: <http://www.arri.org/public-service-honor-roll>. This award recognizes the efforts of hams that are active in public service. Those reporting accumulate points for checking into nets, volunteering, holding Section appointment(s) and handling message traffic.

EC's can see their reports of Form FSD-212 here: http://ares-mi.org/ec_his.php If you send your report to WB8RCR and don't see it noted there, send a note to John to tell him your report has gone missing. EC's: Be sure to share your FSD 212 with your District EC, your ARES/RACES members and with your county's Emergency Manager and others in your jurisdiction who need to know what you and your ARES/RACES group are contributing to your community each month.

We are seeing a definite trend for EC's to not submit their FSD 212 reports. Of late, the typical reporting response from the EC's in Michigan is around 25% and falling. As an EC, part of your responsibility is to report the activity of those hams in your county. We know that the FSD 212 reporting spreadsheet is not a favorite with the EC's around the state, but for now it is what we have to work with. An online form is on the way and we ask your patience while it is being developed.

Reporting activity is incredibly important. By not reporting the monthly activity of your team, you are denying them the credit and recognition they deserve for their efforts. We routinely ask our folks to spend their own time and money to train, prepare and participate in a number of potential events and then we are not willing to recognize those efforts by filling out a simple form once a month. Not reporting gives everyone the impression that your program does not exist and hence, reliability and willingness to provide service when needed is questionable.

Leadership requires seeing the big picture and acting accordingly. If you have difficulty knowing how to report and how to complete the FSD 212 form, assistance is as close as your District EC or your Section EC. If you don't know who these folks are, you can locate them here: <http://ares-mi.org/ECcontact.php>. They stand ready to help you.

Until next time,

73,

Larry, WB8R

Section Manager, ARRL Michigan Section, wb8r@arrl.org

Dales Words for November 2014

Happy New Year Everyone!

And, it was a Happy Old Year as well. 2014 brought the 100th Anniversary of the ARRL and along with it THE outstanding operating event of the past century. Now the individual logs are uploading to Logbook of the World and scores will all be recalculated for the Centennial QSO Party. Remember, the log deadline is January 15 at 2359 Z.

There were several key events that bear mentioning from our historic 2014:

- We experienced a change in the guard at the Division level in July as long time Director, Jim Weaver, K8JE retired and Vice Director Dale Williams assumed that role. Tom Delaney W8WTD moved up to fill Dale's unexpired term. Tom was then elected to the Vice Director position in the fall election cycle.
- Michigan secured the passage through the State House and Senate of PRB-1 that includes establishment of an advisory committee to provide accurate information concerning amateur antenna needs to local governmental regulating bodies as required. It now awaits the Governor's signature.
- 2014 also saw the Ohio PRB-1 Law standing its own ground and winning an appeal at the 6th Appellate District Court. The town of Swanton once again loses its case.
- Michigan also created a five-person Technical Specialist HF Digital team from around the state to collectively create a common PowerPoint® program to provide programs and instruction for club meetings, hamfests, and other activities to encourage the use of HF sound card modes for pleasure and EmComm purposes.
- 2014 also marked the return of the Greater Louisville Hamfest as the Kentucky State Convention (Sept. 6, 2014). The convention featured a visit by Great Lakes Division Vice Director Tom Delaney, W8WTD, and an awards luncheon after the hamfest. Kudos to the hamfest organization for their hard work to make the return of the ARRL state convention a reality!
- In Ohio, Section Manager Frank Piper retired and Scott Yonally N8SY became the new SM. A new Affiliated Clubs Coordinator, Sandy Mackey, N8YS and a new Official Observer Coordinator, John Perone, W8RXX stepped in as well. Complimenting these changes was a course change in the Ohio ARES program with the appointment of a new Section Emergency Coordinator, Stan Broadway N8BHL.
- Michigan SM Larry Camp WB8R appointed Gordon Baldwin, W8CT as the Section Youth Coordinator. Kentucky has also shown continued support for the ARRL, with a seven percent increase in League membership from April 2007 to Nov. 2014. Thanks to all the many volunteers who donate their time and talents, for they are the reason for the continued success of ARRL programs in the Kentucky section. Ohio also said hello to a newly appointed Affiliated Clubs Coordinator - John Myers, KD8MQ
- Michigan hams conducted another very successful annual Section Family Outing in the woods of northern Michigan.
- Kentucky Hamfest attendance in 2014 stayed steady, with several section hamfests seeing an uptick in attendance. In 2014, we welcomed a brand-new hamfest -- the Letcher County Amateur Radio Club in Whitesburg held their first hamfest.

- After a multi-year experiment with one individual serving as SEC and STM, Michigan returned to a conventional format with the appointment of Mark Shaw, K8ED as STM.
- In August, the Ohio Section had its conference along with the always-successful Columbus Hamfest where the top newsletters in Ohio were acknowledged in the ARRL Ohio Section Newsletter Contest. They also celebrated the newest inductee of the Allan Severson Award Frank Piper, KI8GW. Jackie Piper, KC8ESO received the Section Manager's "Special Appreciation" award.
- Much work has been done on building a D-Star repeater network with grant funding in the SW corner of Michigan.
- Ohio got to cheer as one of its own, Jay Slough, K4ZLE was the winner of the April QST® Cover Plaque award for his article "A 10 Meter Moxon Antenna."
- Vice Director Tom Delaney W8WTD and your Director were able to attend a number of the Division's hamfests throughout the past year. Our sincere thanks to all of these hamfest teams who extended such warm hospitality to us during our visits. We hope to include visits to even more swaps in 2015:

Adrian, MI	Elyria, OH	MI Crossroads, MI
Bowling Green, KY	Findlay, OH	Monroe, MI
Chelsea, MI	Grand Rapids, MI	OKYIN, OH
Cleveland, OH	Hazel Park, MI	Portage, OH
Columbus, OH	Louisville, KY	Richmond, KY
Dayton, OH	Mansfield, OH	Toledo, OH

Now as we move into 2015, Vice Director Delaney and I prepare for the Annual ARRL Board meeting in mid January. Our visits to club meetings and conversations with many of you at hamfests around the Division have provided us with suggestions for consideration at committee meetings and the Board itself. It is always a pleasure to hear from you with your thoughts and ideas to improve all that we do in Amateur Radio.

To all: Thanks for your contribution to ARRL and ham radio during 2014. Now let us go on and make this New Year even better and strive to show the great works of ham radio to the world.

73,

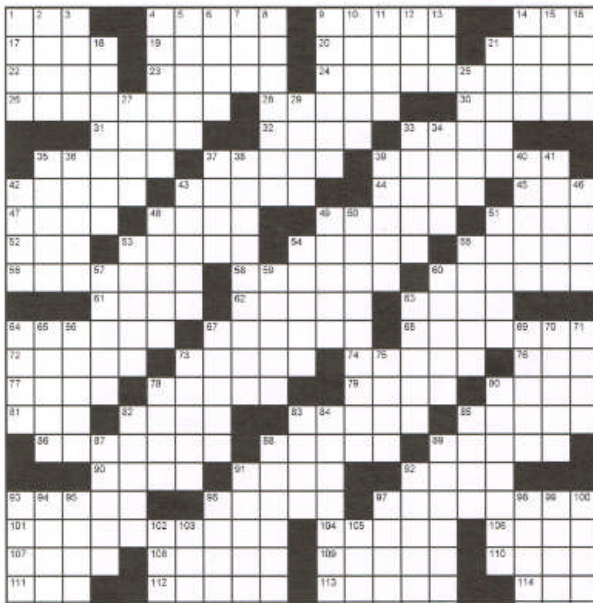
Dale Williams WA8EFK
 Director
 Great Lakes Division

Pictures from Veteran's Day (Reflections)



Used with Permission from Chris Codella, W2PA:

Field of Beams



Across

- 1. UHF units
- 4. Writes glowingly, about a new rig, say
- 9. Radiosport, for short
- 14. Elemental do nothing, on a computer, to a coder
- 17. Missing a DXCC entity
- 19. Peoria prefix, possibly
- 20. Peru prefix, possibly
- 21. In real time
- 22. EU ham org.
- 23. Location, operating /mm
- 24. Describes 26, 64, 68, and 101 across, and 8, 50, and 89 down.
- 26. 2000
- 28. Nows older partner
- 30. Might be taken before a one or after a nine
- 31. News opposite
- 32. Feathers prep
- 33. Digital mode
- 35. Dot type
- 37. KH6 dipole supports?
- 39. Caught illegally, or cooked what you caught
- 42. Angles
- 43. Hay bunches
- 44. Mascara site
- 45. Type of screw or bolt
- 47. New England hams
- 48. Temporary cover
- 49. UA nobility, once
- 51. Bucket
- 52. AGC between slow and fast, on some rigs
- 53. Top scorer list limit
- 54. G elevators
- 55. QC px.
- 56. Home for parts
- 58. Hands on hips
- 60. Newington station
- 61. Mobile ham tracker
- 62. Zagreb ID starter

- 63. Big knob label
- 64. 2010
- 67. Ornaments
- 68. 2002
- 72. In the ether
- 73. PA transistor heat removers
- 74. Bhutan prefix
- 76. Wireless beverage?
- 77. Es
- 78. Church ends
- 79. F-land river bank
- 80. Blog entry
- 81. QR followers
- 82. Floor PTT; ___ switch
- 83. Setting
- 85. 9H-land
- 86. Short contests
- 88. 9N1MM
- 89. Post-holiday mail, say
- 90. YV0 island
- 91. TZ-land
- 92. HV flashovers
- 93. B+ place
- 96. JX last name
- 97. One-word advice in "The Graduate"
- 101. 2014
- 104. Lid (in the non-ham world, maybe)
- 106. Molecule part
- 107. Course numbers
- 108. Seas on the moon
- 109. S2 martial art
- 110. Work an "insurance" QSO?
- 111. With "waves" propagated signals (slang)
- 112. "Who am I ___?"
- 113. Highly praise
- 114. Stor.

Down

- 1. Earth conn. pts.
- 2. Make well
- 3. Tune into, with "beat"
- 4. 9X neighborhood
- 5. Pros opposites
- 6. DXpedition prerequisite, sometimes
- 7. Benz ender. Graph ender, too.
- 8. 1990
- 9. Stalks on an antenna farm
- 10. Works for pay
- 11. Lids after having a few?
- 12. Packet radio ckt.
- 13. WAE SSB mo.
- 14. FB
- 15. K, spoken
- 16. CE, CO, or CX cash

- 18. Battery measure
- 21. Tired, wired antenna?
- 25. Elemental memory circuit
- 27. Like deer, but bigger
- 29. Probable solvers of this puzzle
- 33. Surf sounds
- 34. Former (and part of current) UA news org.
- 35. Contester's emotion when lightning hits tower at T minus 1 minute
- 36. Small change
- 37. Component
- 38. Bahrain beginning, phonetically
- 39. Philosophy 101 subject
- 40. Carry away, in a way
- 41. Cross-needle meter maker
- 42. Freebie
- 43. 40, 20, and The Beatles
- 46. What old rigs do
- 48. ___ firma
- 49. 555 function
- 50. 1996
- 51. Prison-related
- 53. Endangered animal resembling a swine
- 54. B, C, and S, for example, in classic radio
- 55. Nfld. px.
- 57. Desert sight
- 59. Hints partner
- 60. Plano prefix, possibly
- 63. Namibia, or an odd engine
- 64. 1 down connectors
- 65. GHz, for example
- 66. Awoke
- 67. CW style variations
- 69. Ring shaped reef, eg, 8Q7
- 70. Bird abodes
- 71. Info, eg, sent via PSK31
- 73. Cluster items
- 75. OH op.
- 78. CW
- 80. Matcher maker
- 82. Nigeria prefix
- 83. Single op?
- 84. 1950s radio paint style
- 85. SSB inp. devices
- 87. Numbers to watch during the contest
- 88. SOS of SSB
- 89. 2006
- 91. Craze
- 92. Even if, briefly
- 93. NPN complements
- 94. Grid resistor function
- 95. Not straight
- 96. Elser-Mathes Cup QSO target
- 97. Short shot
- 98. Thing in a catalog, say
- 99. Morse, for example
- 100. 1A-land (abbrev.)
- 102. Prime time
- 103. XW ham
- 105. W6 airport, briefly

News



The following is referenced from <http://www.dx-code.org>

DX Code Of Conduct

- I will listen, and listen, and then listen again before calling.
- I will only call if I can copy the DX station properly.
- I will not trust the DX cluster and will be sure of the DX station's call sign before calling.
- I will not interfere with the DX station nor anyone calling and will never tune up on the DX frequency or in the QSX slot.
- I will wait for the DX station to end a contact before I call.
- I will always send my full call sign.
- I will call and then listen for a reasonable interval. I will not call continuously.
- I will not transmit when the DX operator calls another call sign, not mine.
- I will not transmit when the DX operator queries a call sign not like mine.
- I will not transmit when the DX station requests geographic areas other than mine.
- When the DX operator calls me, I will not repeat my call sign unless I think he has copied it incorrectly.
- I will be thankful if and when I do make a contact.
- I will respect my fellow hams and conduct myself so as to earn their respect.

Elaborated:

#1 I will listen, and listen and then listen again before calling.

This seems so obvious but it is the most vital thing to do. Careful listening rather than rushing to transmit will get the DX into your log. You must listen to find out whether the DX is working split and if so, where is he listening? Then you need to listen to the calling stations in order to determine what the DX station is doing. For example, he may be working gradually up or down the pile-up frequency range – and you need to find the best spot to call. And it may be time to ask yourself: "Do I really need to work this bit of DX, right now? Can I wait a while for the pile-up to subside?"

#2 I will only call if I can copy the DX station properly.

You also need to listen carefully to determine how well you can hear the DX station to be sure you will hear his reply to your call and to avoid causing interference by transmitting at the wrong time. It is extremely frustrating for a DX station to return a call to a station that is unable to hear him, thereby causing incessant QRM.

#3 I will not trust the Cluster and will be sure of the DX station's callsign before calling.

Cluster spots often show the wrong call sign. Before you log a station, you should hear the station's callsign on the air – don't trust spotting networks. The DX operator should send his call sign at regular intervals. Unfortunately, not all operators do this!

#4 I will not interfere with the DX station or anyone calling and will never tune up on the DX frequency or in the QSX slot.

Sadly, this covers a multitude of operators, employing poor operating practices. We are frequently afflicted with "Policemen," people who repeatedly jump in to tell callers that "the DX is listening up" – often adding a gratuitous insult. The rule is quite simple: never, ever transmit on the DX frequency for any purpose whatsoever. I will pay attention to the operator's instructions if he is operating "split" so as to stay in his preferred bandwidth.

#5 I will wait for the DX station to end a contact before calling.

If you transmit before a QSO is over, you are likely to interfere with the exchange of information, lengthening the QSO and slowing the process. It may seem clever to "nip in" as the previous contact is ending but many DX stations don't like it, as such operating may break the pattern of the operator, which is what helps everyone to know when to transmit.

#6 I will always send my full call sign.

This is essential for CW and SSB, because incomplete calls lead to an extra transmission, slowing the operator's progress with the pileup. If the operator is responding to partial call signs, it may appear that you should call with only several letters. Generally, this is not the case. **Always use your full call sign.**

#7 I will call and then listen for a reasonable interval. I will not call continuously.

Continuous calling is selfish and arrogant. With a computer or memory keyer, it is easy to send continuously. Unfortunately, it prevents you from listening and knowing what is taking place. In addition, it raises the QRM floor greatly, making life difficult for the DX station and everyone else.

#8 I will not transmit when the DX operator calls another callsign, not mine.

Perhaps this is intuitively obvious, but it is a common occurrence. If it is clear that the station is not calling you, **do not transmit.**

#9 I will not transmit when the DX Operator queries a call sign, not like mine.

In life outside amateur radio it would simply be considered rude to answer when someone else is asked a question! How do you know if the station is calling you? Perhaps the DX operator has a partial version of your call. Is it me? "The timing is right!" Yes, the timing may seem right, but it may also be "right" for many other stations. If the DX is actually calling you and hears nothing, he will call you again. Then you can call. **Only one letter from your call sign is NOT enough, however.** Calling when not being addressed raises the floor level of QRM and slows progress dramatically.

#10 I will not transmit when the DX operator requests geographic areas other than mine.

You must recognise and accept that when an operator is calling for a specific geographic area (e.g. NA for North America, AS for Asia), you must not call until the operator's instructions change. Even if his choice appears incorrect, you must follow his instructions. The DX operator is in control. Here's an important point: If a DX operator is working, some area, perhaps North America , and he fails to say so between QSOs, do not begin calling immediately. Call only when it is clear that the operator's instructions have changed. To do otherwise is impolite and simply slows the process.

#11 When the DX operator calls me, I will not repeat my callsign unless I think he has copied it incorrectly.

If you repeat your call sign, the DX station may think that he has your call sign wrong. He might then listen very carefully – again – thus slowing the process. A DX operator will generally log what he has if you say nothing further.

#12 I will be thankful if and when I do make a contact.

There should certainly be a pride of accomplishment when you get a QSO with a guy in a far-away entity. But before you start basking in the glow of accomplishment, think about the help you received from your partners, perhaps Mr. Icom, Mr. Alpha, and Mr. Force 12. If your ego still feels a need to take ALL the credit, try again. But this time turn off your amplifier and connect your rig barefoot to a dipole. If you get through the pile up this time, then YOU, as the operator, can take more of the credit.

You should also acknowledge that you would not have had the contact without the skill of the operator at the other end who undoubtedly made sacrifices to be there for you. So be thankful for all this help you received.

#13 I will respect my fellow hams and conduct myself so as to earn their respect.

Respect is about behaving well toward others. DXing is very competitive. If you operate otherwise, you may acquire a bad reputation. DXing will be the most fun for everyone if we all behave with politeness, mutual respect and even a bit of humility!

ARRL Call to Action

January 2, 2015

Greetings to the Hams of Michigan:

I just received word that at 1008 this morning (January 2, 2015), Michigan Senate Bill 0493 (PRB-1) was presented to Governor Snyder for his consideration.

He has 14 days to act upon the bill, and we are hopeful that it will be sooner rather than later. By law he must sign the bill, veto the bill, or ignore the bill (pocket veto). In any event, sometime in the next 2 weeks we will have our answer.

Please continue to contact the Governor's Office of Constituent Relations by email and by telephone per the following instructions:

Our message is simple: "I respectfully encourage Governor Snyder to sign Senate Bill 493."

This message needs to be sent via email at:

<https://sombgovweb.state.mi.us/GovRelations/ShareOpinion.aspx>

This web site will take you a form to be filled out. Easy to do and painless. No need to compose your comments. For the bill category, use "Unknown" and simply use the provided verbiage.

By telephone at 517-335-7858, simply tell the person answering the phone (or leave a message if calling after hours) "this is (your name) and I am a resident of (your city, town, village, or township) and I respectfully encourage Governor Snyder to sign Senate Bill 0493."

After contacting the Governor's Office, please send a note to wa8qje@arrl.net and wb8r@arrl.org advising us that you made contact with them.

I will provide additional information as it becomes available.

Until next time,
73,
Larry, WB8R

ARRL Michigan Section
Section Manager: Larry Camp, WB8R
wb8r@arrl.org

CLASSIFIED

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)

K8DDB Items For Sale

Prices as of September 8, 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:

- 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
Ten Tec Station
 - o Corsair II Model 561 Transceiver, Model 263 Remote VFO and Model 961 Power Supply/Speaker (including manuals)
Asking \$299
 - o Centurion Model 422 Linear Amp (matches above station) – Tubes have very few hours on them. (includes manual)
Asking \$990
- Viking 6n2 Transmitter
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


Test Equipment:

- 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
- Sencore Handy “75” Resistor/Capacitor Substitution Box
With set of test probes
- Asking \$9

UP Hamfest Information

Feb 7 - HARA, Negaunee, MI - WB8R
No other information at this time.

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.qsl.net/ka1ddb	QRZ.COM: http://www.urz.com/
Tropospheric Ducting Forecasts: http://www.d/infocentre.com/tropo.html	Ehamnet.com: http://www.eham.net/
 http://www.dx-code.org	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

.....

Newsletter Editor:

Tom Heyboer, KC8TH

(906) 779-0481

Heyboer.Tom@gmail.com

We're on the Web!

See us at:

<http://www.qsl.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.

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	n8wqq@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	kb9avx@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	cattrxcavator@hotmail.com
KC9ZBC	DOLATOWSKI	SCOTT	GOODMAN	715-633-1006	kc9zbc@live.com
KC8CKX	FAULKNER	JAMES	FOSTER CITY		jchearit@yahoo.com
KC9TQR	FERRIS	JOE	FLORENCE	517-589-4386	jrferris@borderlandnet.net
N9MBG	FRY	EDWARD	PEMBINE	906-221-7307	efry@centrylink.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@centrylink.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	meyersh@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	jimrye@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@arl.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'BRIEN	JACK	NORWAY	906-396-3316	jobrion@sbcglobal.net
KD8DJK	SCHUTTE	JOE	VULCAN	906-563-8273	dschutte@uplogon.com

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.