

Mich-A-Con RF

Iron Mountain, Michigan

April 27, 2012

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Storm Spotter Presentation Scheduled for May 1st

from an email sent by:

Matt Zika

Warning Coordination Meteorologist
National Weather Service Marquette

All,

Just a heads up about a weather (storm spotter) presentation scheduled in Iron Mountain this spring. If it has been several years since you have been to one of our presentations, we encourage you to attend this year. Feel free to share with your friends.

We will be in Iron Mountain on Tuesday, May 1st, in Fornetti Hall at Bay College West at 6:30 PM CDT. See below or attached for details.

For the complete Spring presentation schedule visit... www.weather.gov/mqt

OR

Find us on Facebook at:

<http://www.facebook.com/US.NationalWeatherService.Marquette>

We hope to see some of you in a few weeks.
(Details on next page)

Weather Storm Spotter Presentation Scheduled

As seen in recent years, America is becoming increasingly vulnerable to weather events. Significant weather threats exist even here in Upper Michigan from winter storms to wind storms to severe thunderstorms. Each year, the National Weather Service in Marquette presents Severe Weather Storm Spotter Training Presentations across the Upper Peninsula of Michigan. The purpose is to get communities involved in reporting important weather information to the National Weather Service. This in turn leads to better warnings which keep residents across the U.P. safe. The presentations are free, open to the public, and no advance registration is required.

This year's National Weather Service talk lasts about 1 1/2 hours. Some of the topics that will be covered include, the public's role in building a Weather-Ready Nation, social media's role in weather reporting, a recap of last year's storms, basic radar and cloud interpretation, weather safety, etc.

There will be a class in Iron Mountain on Tuesday, May 1st, in Fornatti Hall at Bay College West at 6:30 PM CDT. .

A calendar of additional scheduled talks can be found on the National Weather Service Marquette website at www.weather.gov/mqt or find us on Facebook. Additional information is also available by calling the National Weather Service at (906)-475-5212.

Matt Zika
Warning Coordination Meteorologist
National Weather Service Marquette
906-475-5782 ext. 726



Club Patches are available from:

Burt Armbrust WB8EBS

693 Cliff St

Quinnesec, Mi 49876

The patches are 3 inches in diameter and sell for \$3 each.

If ordering by mail please include a SASE along with your payment.

Storm Spotter Training: Very Important for all of us, even in The U.P.

**By:
Steve, KD8CCP**

Here is an article we ran in the July 2010 edition of the Mich-A-Con RF newsletter. I added the picture (Map) listed showing the details of where the tornados touched down. People often say we do not have severe weather here in the U.P., this is just one example of the fact that we do get the type of storms that require storm spotters. This spring the extreme fire dangers are also reminders of how important Storm Spotters are, if you have not attended a recent Storm Spotter Presentation please consider taking the time to participate this year!

Two EF0 Tornadoes Confirmed in Dickinson County

from:

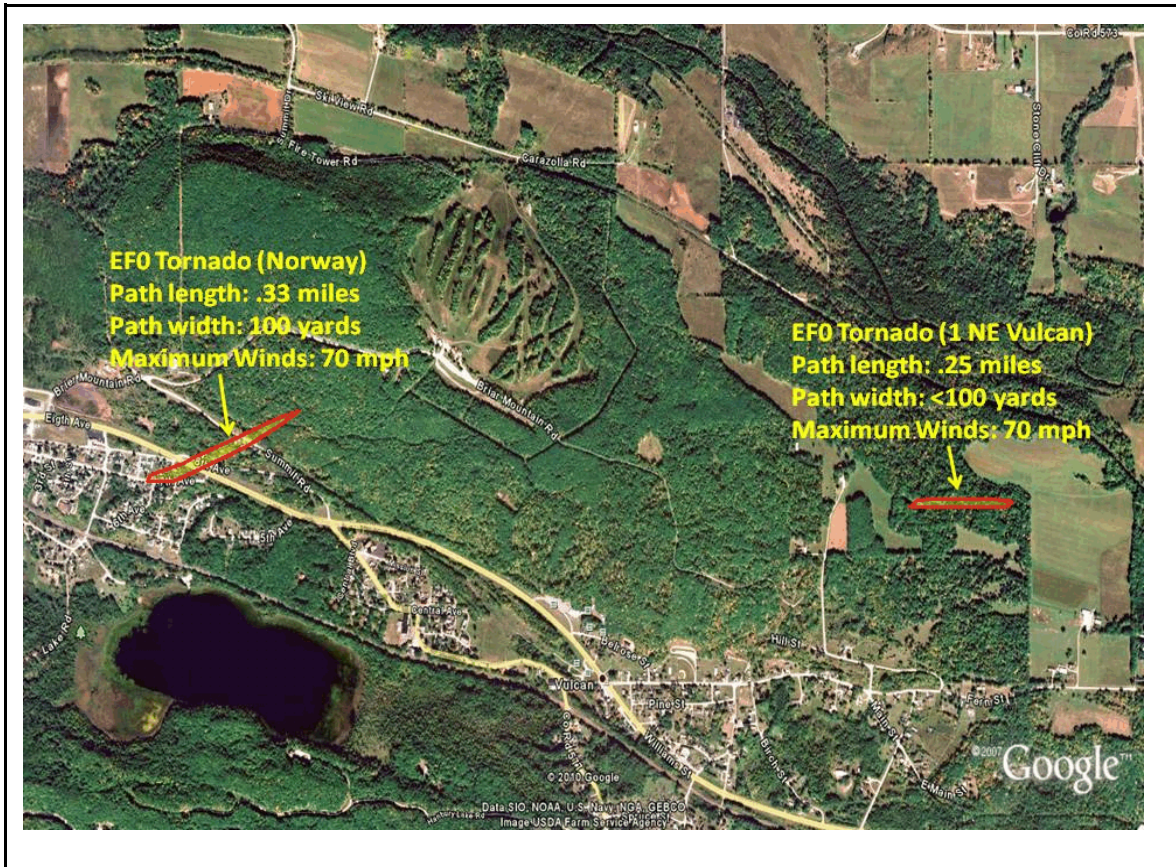
National Weather Service Weather Forecast Office (<http://www.crh.noaa.gov>)

Thunderstorms that moved across Upper Michigan on Tuesday evening, July 27th (sic 2010) produced two tornadoes in Dickinson County.

The National Weather Service in Marquette conducted a ground survey of storm damage and analyzed aerial photographs provided by the Michigan DNRE. The result of the analysis and survey indicated that the storm damage in the eastern sections of Norway and one mile northeast of Vulcan was caused by tornadoes. Here is the [map](http://www.crh.noaa.gov/images/mqt/2010Jul27_Images/norway_vulcan_track.jpg) of the approximate track of the two tornadoes. http://www.crh.noaa.gov/images/mqt/2010Jul27_Images/norway_vulcan_track.jpg
The same parent supercell thunderstorm produced both tornadoes.

The first tornado touched down at 8:34 PM CDT on Tuesday, July 27th (sic 2010) along 7th Avenue in the eastern sections of Norway. The tornado crossed US2 as it moved east northeastward towards Norway Mountain. The tornado was on the ground for about a third of a mile (.33 miles) and had an average width of about 100 yards. The maximum wind speeds were estimated at 70 mph, which made it an EF0 tornado on the Enhanced Fujita scale. Several trees were knocked down or snapped off from the tornado. Some minor damage also occurred to structures from falling trees and tree limbs.

The second tornado touched down around 8:40 PM CDT in a wooded area about one mile northeast of Vulcan. This tornado was on the ground for about a quarter (.25) mile and had a width of less than 100 yards. Numerous trees were uprooted and snapped off from this tornado. The maximum wind speeds were estimated were estimated at 70 mph, which also makes it an EF0 tornado on the Enhanced Fujita Scale.



Map of the EF0 Tornado touch downs on July 27th 2010, source: <http://www.crh.noaa.gov>

Attention All Radio Amateurs:

The ARRL is gathering information to be used in responding to an FCC Public Notice seeking comment on the uses and capabilities of Amateur Radio Service communications in emergencies and disaster relief.

If you have already responded to an earlier ARRL request by filling out one or both of the forms that are available at <http://www.arrl.org/ccr-study-information>, thank you! Your assistance is greatly appreciated. If not, and if you have ever been affected by Home Owner's Association or deed restrictions, please use those forms or take this very brief survey to help the ARRL prepare its response.

Please complete this questionnaire by clicking on the following link, and you will be redirected to an online survey hosted by Zoomerang. This survey will close on Monday, May 14th. Complete Survey Now>

Or, copy the following web address into your browser: <http://www.zoomerang.com/Survey/WEB22FJ7YK LXKC/>

Thanks for your assistance and support.

Sincerely,

The ARRL Emergency Communications Advisory Committee (ECAC)

Mich-A-Con ARC Activities for May 2012

| Sun | Mon | Tue | Wed | Thur | Fri | Sat |
|-----|-----|------------------------------------|-----|-------------------|-----|-----------------|
| | | 1 Storm Spotter Presentation | 2 | 3 ARES | 4 | 5 |
| 6 | 7 | 8 Meeting | 9 | 10 ARES | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 ARES | 18 | 19 BREAKFAST |
| 20 | 21 | 22 | 23 | 24 ARES | 25 | 26 |
| 27 | 28 | 28 | 28 | 28 <u>ARES</u> | | |
| | | | | | | |

Club Activities:

ARES Nets are conducted at 6:30 PM Central Time every Thursday on our 2-meter repeater (146.850 MHz.)

Meeting: The Mich-A-Con Club meets the second Tuesday of the month at the Dickinson County Library at 7:00 PM. Visitors and Prospective Members are always welcome.

Our Saturday Morning Breakfast is held on the 3rd Saturday of every month at 9:00 AM at the Holiday Kitchen Restaurant on Stephenson Ave (US-2) in Iron Mountain.

Club Repeaters:

The club maintains two repeaters, which are located on Pine Mountain (Elevation 1650 ft) in Iron Mountain, with tower and facilities provided by the Wisconsin Electric Power Co.

The range of the 2 meter repeater is about 40 miles under normal conditions, depending upon terrain. The 440 MHz repeater has a range of about 25 miles.

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

Repeater Specifications:

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

V.E. TESTING:

5/05 Iron Mountain: 9:30am central time, Dickinson County Library(conference room), contact Mark J. Lewis N8UKD, Fairmount St. Kingsford, Mi 49802. Examinees must be pre-registered. (906-776-1553).

6/09 Marquette: 8:30am eastern time, (arrive by 8:00am) Marquette County Health Dept. Bldg,U.S. 41 just east of the Michigan State Police Post. You must pre-register by Tuesday preceding the test date. Contact Rich Schwenke, N8GBA at 906 249-3837 e-mail: n8gba@chartermi.net or Greg KI8AF 906 225-1594 ki8af@arrl.net.

10/13 Hancock: 8:30am eastern time, The Zion Lutheran Church, 400 Ingot St Hancock, Mi. Go north on hwy 41 (Quincy Hill) near the lookout. Turn left on Ingot up about one block. The church is on the left hand side of the street. This is a barrier free entrance for the handicapped Contact Glenn Ekdahl, WA8QNF at (906) 482-7743 or email: wa8qnf@arrl.net if you have questions. You can now take a Hamexam "Anytime". Contact Glenn, WA8QNF at (906)482-7743 for details.

7/14 Gladstone: Sponsor: Delta County Amateur Radio Society Time:10:00 AM (Walk-ins welcome) Contact: Dave Palmgren N8DP, (906) 428-2271, n8dp@dcars.org Vec: ARRL/VECLocation: Gladstone City Hall Main Meeting Room 1100 Delta Ave Gladstone, Mi. 49837.

Please arrive one-half hour early for test sessions to give time to process applications. Testing applicants should bring the following items with them: Two pieces of I.D. one being a photo I.D., Original license and one clear copy of their license if applicable, Completed form 605 (one will be provided if you don't have one), pencils, calculator and the test fee of \$15.00. Please have the correct fee as examiners do not carry change. Please contact the individual(s) listed to confirm date(s), location(s), etc. Note: If you have been assigned a FRN from the FCC you must use it on all forms rather than your SSN

Please remit dues to :
Burt Armbrust WB8EBS
693

Name: _____
Address: _____
City, State, Zip _____

Please make check payable to Mich-A-Con ARC
Annual dues for Full Membership - Single \$20 __ * Family \$30 __
Repeater Only \$10 __**

If family membership, please list additional names and call signs: _____
City, State, Zip _____
Call Sign: _____
Email Address: _____
Phone: _____
ARRL Member? Yes ___ No ___

The Superior A's Looking for Help from Amateur Radio Operators

**from an email sent by:
Paul Racine, KB0p**

I am looking for help from the radio operators from the CCRAA (Houghton club) and the Mich-A-Con (Iron Mountain club), to provide radio coverage during a 3-day event in June 2012.

The Superior A's (affiliated with MAFCA, Model A Ford Club of America) approached the HARA (Hiawatha Amateur Radio Association, Marquette) to solicit our help for radio communications for the upcoming event in June, for the 2012 International MAFCA Convention.

Since this event will be centralized out of Ishpeming and reaching out to Iron Mountain and Alberta/ Pequaming, I am emailing you to ask for help from members of your club.

<http://www.superiorclub.com>

<http://www.mafca.com>

Details

The Superior A's will sponsor the MAFCA event in the U.P. this summer. During the week of June 18-22, 2012, the 2012 International MAFCA Convention is coming to the central U.P. This event will host over 250 Ford Model A car. The Model A's will tour, in groups, from Ishpeming to Iron Mountain, and from Ishpeming to Alberta and then to Pequaming:

Tuesday and Wednesday, June 19, 20

7:00 (EST) AM -to- early afternoon

Cars touring from Ishpeming (Country Village) to Alberta, then off to Pequaming.

Thursday, June 21

7:00 AM (EST) -to- early afternoon

Cars touring from Ishpeming (Country Village) to Iron Mountain (Cornish Pump).

Our Role (as radio operators)

We will set up "net control" at the start of the Model A tour, at the Country Village in Ishpeming.

(Tuesday, Wednesday) We will set up radio check points at strategic locations along the route from Ishpeming to Alberta, and Alberta to Pequaming, using 2 Meters communication.

(Thursday) We will set up radio check points at strategic locations along the route from Ishpeming to Iron Mountain, using 2 Meter communications.

The cars will leave Ishpeming in manageable sized groups (about 20 cars each) at fixed intervals.

Each group of Model A's will be identified either by numbers, letters, or colors.

We as radio amateurs are to report back to Headquarters as each group passes the radio check points (report time, group identifier, and how many cars in the group). A bag lunch will be provided to the volunteers, by the Superior A's.

Our challenge (as radio operators)

We will use linked repeaters to provide 2 Meter radio communications. We must setup radio check points along the route. We will provide centralized communications with the aid of linked 2 Meter repeaters.

Tuesday and Wednesday (Ishpeming to Alberta and Pequaming)

Headquarters in Ishpeming will utilize the 147.270 Repeater (the "27" repeater in Marquette County, HARA).

The 27 repeater will be linked to the 146.820, KB0P repeater (Champion), which will provide coverage almost to Convington Junction.

We must set up a temporary repeater frequency in L'anse and we will link this repeater back to the 27 using Echolink. We must find a L'anse ham that is willing to volunteer their 2 Meter base station, preferable a ham with broadband Internet at the home. **I will then make an Echolink interface for their specific model radio to provided the radio link from Alberta to Pequaming.

Thursday (Ishpeming to Iron Mountain)

Headquarters in Ishpeming will utilize the 147.270 repeater (the 27 repeater in Marquette County, HARA).

The 27 repeater will be linked to the 146.820, KB0P repeater (Champion), which will provide strong coverage almost to Republic.

I will temporarily link the 147.090, KG8ZL repeater (the 09 repeater in Republic, CUPRA, solar powered repeater) to the 27, which will provide coverage on most of M95 to Sagola.

I will temporarily link the 146.850, WA8FXQ repeater (the 85 repeater in Iron Mountain) to the 27, which will provide coverage from Sagola to Iron Mountain.

Please contact me. I am looking forward to hearing from you.

Thank you,
Paul Racine, KB0p
kb0p@kb0p.com
(906) 362-5446 (cell)

Mich-A-Con Amateur Radio Club Minutes of the April 10th, 2012 Meeting

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

Secretary Report

The minutes of the March 13th meeting were read and approved.

Treasurer Report

Membership Dues Received: \$20.00

Balances as of April 8th, 2012:

Checking - \$ 37.04

Regular Savings - \$2,877.39 of which \$ 1,809.64 is in the Trailer Fund.

Repeater Savings - \$1,174.84

Petty Cash - \$14.00

President Tom Martin has \$88.00 remaining from the purchase of the club's radio.

We now have 30 paid members out of 45 total.

Repeater Report

Still noisy but otherwise working fine. Probably something loose. Rob Thomas will be asked to climb the tower to do some maintenance. Burt got an email from the Marquette club asking to link our 2 meter repeater to theirs.

Volunteers will be requested and details will be discussed at the May meeting.

ARES

The net has been meeting regularly every Thursday at 6:30pm on 146.850 repeater with good turn-outs. Jim Rye said that he went to an ARES meeting in Harvey two weeks ago.

Old Business

Skip Caswell and Dave Thomas and others will get together some time this summer to tune the antenna at the courthouse.

President Tom Martin and Treasurer Burt Armbrust Sr. met at the storage van on March 21st and stored all the equipment recently purchased. Burt ran the generator for 25 min. and ran 3 electric heaters to test it and reports that it runs good and is working fine. Test results are:
Oil-OK

| NO LOAD | | LOADED | | |
|-------------|-----------|--------|-------|-------|
| Start up | Warm up | 1320W | 1000W | 1500W |
| 125V | 5 Minutes | | | |
| 85V/88Digit | 100V+/_ | 126V | 122V | 115V |
| 30 Cyc | 40 Cyc | 60Cyc | 60Cyc | 60Cyc |

5 Min.--3.8?KW Slowly dropped to 113V 60Cyc Air temp low 70s

Removed 1500W of load--Voltage rose to 129 - 126V

Removed all load--stabilized at 108V@40Cyc

Shut fuel line off and ran the fuel out of it. We should run this test twice/yr. Burt donated a few small tools for the generator that he will store with it.

Paul Schultz, KD8KUF reported on the air powered PVC tennis ball / antenna launcher he built and donated one to the club and one to Rob Thomas for his tower climbing for the club. The launcher is stored in the club's van in a tool box along with all the supplies needed and is available for any club member to use. Paul has a jig available for use to easily cut the ends in the end caps for anyone that wants to make their own. Plans can be found at www.antennalaunchers.com/csv19

Terry reported that Florence Utilities will install telephone poles at the fairgrounds for Field Day use and will donate the use of their bucket truck however the bucket truck can't be used because there's no way to secure the antenna without drilling holes in the fiberglass bucket. The use of Lofholm Lumber's bucket lift will be requested for the beam antenna. The club will have access to the flagpole and there's also a large tree available for antenna installation. Terry Moriarity will install a tower. Terry and Dave Thomas will visit the site and plan the layout.

Terry Moriarity will be field day chairman. Dana Bey, Burton Armbrust Sr. and Tom Heyboer are co-chairs for Field Day.

Picnic: Marcouliers will give us a deal on brats, buns, beans, chips and pop. If there's anything else you want then you'll have to bring it yourself.

President Tom discussed building a 40 meter quad antenna for Field Day or putting up the 40 meter loop. Dave Thomas has a Cushcraft beam antenna with 40 meter kit and it works excellent. Tom suggested that the club purchase a kit like his for our Cushcraft A3S tribander antenna.

Skip brought in an old amp and Cobra CB radio for sale for a cash donation to the club.

President Tom emailed the frequency allocations in a large font to Herb Palow so that he could read it as Herb previously requested.

New Business

President Tom Martin reported that he got an email today from KA9FOX at gth.com warning about a scam about ham radio gear for sale. The scammer sends a check for an amount significantly higher than the item being purchased and requests a Western Union wire for the difference. The check is then found to be bogus. Skip recommends asking the seller to send the item COD. Terry recommends PayPal to avoid a scam.

For Sale: Like new Palstar rotary tuner AT1KP for \$275.⁰⁰ Jim Rye, W8IFI, (906)875-3582 or email jimrye@up.net

Adjournment

The meeting was adjourned at 7:50 p.m.

For the Good of the Order

Attendees reported on their recent activities. Art Costa, KD8GLO has had success with JT65-HF digital software. For more information and to get the software free just do a Google search.

Submitted by Paul Schultz

Attendees

Tom Martin, W8JWN - President
Burton Armbrust Sr., WB8EBS - Treasurer
Scott Jarmusch, KA8TFF - Vice President
Paul Schultz, KD8KUF - Secretary
Dana Bey, KD8POR
Joe Ferris, KC9TQR
Tom Heyboer, KC8TH
Art Costa, KD8GLO
Joe Ferris, KC9TQR
Joe Komblevicz, KB8ETK
Jim Rye, W8IFI
Dave Thomas, KG9Y
Jim Riverside, K8ABS
Skip Caswell, KE9L
Terry Moriarity, K9TRY

Words from the President

Tom, W8JWN

With propagation on the higher bands poor for CW and RTTY and Dxpeditons completed, I needed to try something new to ease the ham radio doldrums. Thanks to Art Costa's (KD8GLO) report at the last meeting and the May issue of QST, I have found a new mode. JT65 has become a very popular digital mode. Similar to PSK31, operation doesn't require much power, or big antennas. Hams have been successful running 5 watts and using dipole antennas. It is a perfect mode for hams located in "ham unfriendly" subdivisions, condos, mobile-home parks, etc.

JT65 signals, very musical tones, can be found on all bands 160-10 meters. Since April 16th, I have made many USA contacts and 31 countries, including Japan and South Africa, on 14.076, 18.102, and 21.076. I run 10-15 watts to the 4- element SteppIR. In the evening 3.576 and 7.076 are popular. Unfortunately, QRN can wipe out the low power JT65 signal.

JT65 operation is SLOW. It takes at least 5 minutes to make a contact. A typical example of a contact sequence is as follows: SV4FFL calls CQ."CQ SV4FFL KM19" I answer him with "SV4FFL W8JWN EN55" He returns with "W8JWN SV4FFL R-11" This is an acknowledgement of my call, my grid square, and my signal report. A -11 is a decent report on JT65. A -2 to -3 is an excellent report. I send "SV4FFL W8JWN R -14". He replies, "W8JWN SV4FFL 73" I send, "SV4FLL W8JWN 73". I could also send a text message," TU DE W8JWN"instead of the 73 macro.

Each transmission is roughly 47 seconds on odd and even minutes.

There's plenty of time to run to the kitchen and get a cup of coffee, check e-mail, or fill out QSL cards. This is definitely a no stress operation!

All you need is a radio, computer, and sound card interface. Whatever you use on PSK and RTTY should work fine.

I use the JT65-HF program by Joe Large (W6CQZ). It can be found at http://sourceforge.net/projects/jt65-hf/files/setup-JT65-HF-1093.exe/download?use_mirror=hivelocity

ARRL-Sponsored Hamvention® Forums

From the ARRL website: www.arrl.org

Are you going to Dayton this year? Here is a list of the ARRL sponsored forums:

A complete list of Hamvention forums can be found at <http://hamvention.org>.

FRIDAY May 18

9:15 a.m. - 10:45 a.m. - Room 2

ARRL Presents: The Doctor is IN

Presenter: Joel Hallas, W1ZR, ARRL Technical Editor

QST magazine's popular column, "The Doctor is IN," offers readers short, insightful answers to a variety of technical questions. Bring your questions to this session — technical ones are best — and The Doctor will do his best to answer them on the spot!

12:15 p.m. - 1:45 p.m. - Room 3

Ham Radio and the Law: Getting It Up and Keeping It Up

Moderator: Jim O'Connell, W9WU, ARRL Volunteer Counsel

Speakers:

- Fred Hopengarten, K1VR, Author: Antenna Zoning for the Radio Amateur

- Dale Schwartz, K4ROZ, ARRL Volunteer Counsel

- Cliff Ahrens, K0CA, ARRL Midwest Division Director and Chair of the ARRL Amateur Radio Legal Defense and Assistance Committee

A discussion by Amateur Radio attorneys on legal issues of interest to hams: how to avoid restrictive covenants, how to present your case for a tower permit, and information on the latest court rulings on RFI, PRB-1 and towers. Updates on the ARRL's Amateur Radio Legal Defense and Assistance Committee.

2:30 p.m. - 3:30 p.m. - Room 5

ARRL Presents: The DIY Magic of Amateur Radio

Moderator: Allen Pitts, W1AGP, ARRL Media and Public Relations Manager

ARRL's latest media campaign represents the innovative, imaginative and fun ways we "hams" use radio technology in new and creative ways. This presentation from

ARRL's national Public Relations Committee (PRC) will provide an overview of how this campaign is being used to reach out to the growing DIY (do-it-yourself) community of makers, creators, hackers and innovators. The session will also include an update on other ARRL projects and resources that help promote the Amateur Radio Service.

2:30 p.m. - 3:45 p.m. - Room 2

ARRL Presents: Radios from Galena to GaAs and SDR

Presenter: Martin Ewing, AA6E, ARRL Technical Advisor

It's a perpetual complaint: no one builds their own gear anymore (QST,1916!). Building a SoftRock Software Defined Radio kit is good, but understanding it is better. We present a low-math approach to understanding SDR and an evolution of radio designs from the 1930s to the present day.

3:45 p.m. - 4:45 p.m. - Room 5

ARRL Presents: Getting started in PIC Microcontroller Programming

Presenter: Mark Spencer, WA8SME, ARRL Education and Technology Program Director

An introduction to programming microcontrollers, including examples of projects that you can build for your shack based on the power of embedded controllers (microcontrollers). Mark Spencer, WA8SME is author of the publication, ARRL's PIC Programming for Beginners.

SATURDAY May 19

10:30 a.m. - 11:45 a.m. - Room 3

ARRL Presents: Ham Radio in Hollywood

Presenter: John Amodeo, NN6JA

ARRL welcomes John Amodeo, NN6JA to Hamvention. John, a working TV producer living in Los Angeles, knows that the media has not always been kind to Amateur Radio. The portrayal of Amateur Radio in the media is often inaccurate, sometimes ridiculous -- and occasionally mean. Join John, NN6JA as he discusses why we as hams should care about how the media portrays ham radio and ham radio operators. John is the producer of such TV hits as Arrested Development, Sports Night, Samantha Who?, Titus and the current hit ABC comedy Last Man Standing.

12:00 p.m. - 1:00 p.m. - Room 3

The Lighter Side of RTTY (part of the RTTY Forum)

Presenter: Khrystyne Keane, K1SFA, ARRL News Editor

In the 3.5 years that Khrystyne Keane, K1SFA, has been involved with RTTY contesting, she has set two world records, won six #1 Worlds and placed #1 USA 10 times (not counting her time as part of the K1TTT multi/multi team). In the 2012 RTTY WPX Contest, she broke the #1 North American record set by T15N in 2003. Join Khrystyne as she delves in to the lighter side of RTTY contesting and discusses in a fun and delightful way how you can become a better RTTY operator.

1:15 p.m. to 2:15 p.m. - Room 3

ARRL Member Forum

Moderator: Jim Weaver, K8JE, ARRL Director--Great Lakes Division

ARRL is the largest national Amateur Radio association in the world. The organization has over 157,000 members worldwide, publishes the popular monthly journal QST, and coordinates an extensive all-volunteer field organization. Hear from local and national ARRL officials on key areas of membership interest. Find out how ARRL supports dozens of ways to get involved and get on the air. Members and prospective members are all welcome!

2:30 p.m. to 3:30 p.m. - Room 3

ARES Forum (Amateur Radio Emergency Service)

Moderator: Jack Sovik, KB8WPZ, ARRL Public Information Coordinator (Ohio)

Speakers will include Mike Corey, K11U, ARRL Emergency Preparedness Manager.

THANK YOU

ARRL expresses its gratitude to the 2012 Dayton Hamvention® Committee, Dayton Amateur Radio Association, and all the volunteers that contributed to the success of ARRL EXPO 2012 in Dayton, Ohio.

Upcoming Event

October 12-14, 2012 - Santa Clara, California, ARRL National Convention hosted by Pacificon. www.pacificon.org and www.arrl.org/expo

Got an idea for next time? Please contact the office of the ARRL EXPO Coordinator, email: expo@arrl.org.

Club Meetings:

The Mich-A-Con Amateur Radio Club meets on the second Tuesday of the month in the Dickinson County Library at 7:00 PM. Visitors and prospective members are always welcome!

The URL for the Mich-A-Con ARC web site is:
<http://www.qsl.net/ka1ddb/>

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

The ARRL DX Bulletin on the Upcoming Activities page is updated each Thursday and the contests section is updated on a monthly basis.

Club Officers:

President:
Tom Martin, W8JWN
(906) 774-5463
tmartin@chartermi.net

Vice President:
Scott Jarmusch KA8TFF
s_jarmusch@yahoo.com

Secretary:
Paul Schultz KA8TFF
(906) 774-8900
pauls@schultzequipment.com

Treasurer:
Burt Armbrust WB8EBS
(906) 774-8383 retary:
Paul Schultz KD8
wb8ebs@yahoo.com

Reminders:

Club dues for the year 2012 were payable on January 1st. Please use the Membership Application

-
Renewal form when paying your dues. Checks should be made payable to : Mich-A-Con Arc and sent to our Treasurer, Burt Armbrust WB8EBS at the address listed on the form. Thank-you for supporting your club!

The Next Mich-A-Con Meeting will be held on Tue May 8th, 2012. It will be held in the Dickinson County Library at 7 PM

MICH-A-CON RF

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