

W8LAP/r

146.620 - 100Hz
442.750 + 110Hz

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WAVEGUIDE

Lapeer County Amateur Radio Association

April

Published Monthly by the Lapeer County Amateur Radio Association

2008

*The next regular meeting will be held on
Tuesday, April 8 —7:30 p.m.
at the Lapeer County Central Dispatch Center (911)
2332 W. Genesee Street in the basement.*

The Treas Sez:

Hello to everyone, it looks like spring is almost here. As I set here typing this report and looking out the window, I feel like I should be outside putting up and antenna or something. Trouble is our editor/ task master has decided that I should get my report in so he can produce our great news letter. Since he does such a fine job on the news, I feel obligated to do what he asks of me.

March 2008 has been a highly typical month, with only the phone and electric for the repeater being of any consequence to the paid out. With some Dues paid and the fifty fifty raffle donation making up the received. These kind of months make my job easy.

Thanks and 73 Bill Miller KD8VP

The Trustee Sez:

Whow everyone, we are back on the New Controller band wagon again. Perry Gwinn KG8ID, has made the club an offer that we would be foolish to turn down. It seems that Perry and his helpers are going to switch to a different Computer Automation Technology (CAT) controller due to the fact that they are very interested in having a better weather station on the air in conjunction with their 440 repeater. The CAT 1000B they are presently using (and the one we have been admiring) does not present the

weather information gathered as well as the controller they are going to be using. So Perry has offered to sell the CAT 1000B to our club at a reduced price, which includes his expertise. All the board and a few other interested members have all agreed that we should do it. So we will, just as soon as Perry gets back to me about when.

This new controller has a lot of capabilities, many the same as our present controller, and will take some time to hook up and get running, so please be patient.

Thank you and 73 Bill Miller KD8VP

The Secretary Sez:

Meeting was called to order at 7:35P.M. by Bob, N8NE with the pledge of allegiance to the flag and introduction of members and guest. Bill, KD8VP gave both the January and February treasurers reports. They were accepted by Dave KD8DLW and secondrd by Treasa KC8PEZ. Tea and Crumpets was held on Sat. 15. Skywarn is to be held on April 3. 2008 in Imlay City High School at 7 P.M.

Howard Stewart, K8FSY wife passed away. The Swap for 2008 will be held on August 17. No one in the hospital. New Business. Rob, N8PSP is going to have ham classes for home schooled students in September 2008 to April 2009. A motion was made to help with support for the classes for Rob, by Mike KN8Z and seconded by Eric KD8DEV. Treasa KC8PEZ said anyone going to College

or plans to go to College to apply for Ham Scholarships; May 1st is the deadline. Hans W8HFM has Ham

magazines to give away. 50/50 was won by Brayden, Rob N8PSP son. Meeting was adjourned at 8:35P.M.

From the mailbag:

2008 MICHIGAN QSO PARTY

Attention Michigan Amateurs!!!!

It's that time of year again! It's time to gear it up and get ready for the 2008 Michigan QSO Party.

The MiQP has something to offer for everyone and there is no shortage of reasons for joining in on the fun on April 19th, 2008.

Last year was a good year for the MiQP. Activity was up and we hope to do even better this year.

We hope to see an increase in activity within the traditional amateur radio clubs in Michigan. I think that most clubs are looking for special activities and the MiQP has some features that should be considered in filling this need.

This type of event is what it's all about. It is a group activity that can be a source enjoyment before, during and after the event! This year we will have the traditional categories such as Single-Operator, Multi-Operator and Mobile. But in addition to these, we are adding a new

"Emergencies Operation Center" EOC category. This will provide an opportunity to brush up your clubs emergency operation skills and provide great training (and fun). This would also be a great opportunity to expose some of your newer members to emergency communications operations, but in a less formal environment.

As you can see from the rules listed below, this is only a 12 hour event. Please consider getting on the air for the whole thing, or any portion of the 12 hour period. You can operate from home, portable, mobile or at the clubs EOC. With the support of mobile and portable stations, we plan on having activity in all 83 counties.

Last but not least, we ask those of you that have participated in the MIQP to please help us get the word out and encourage other Michigan hams and radio clubs to participate and join the fun. See <http://www.miqp.org> for more details and the rules, !

Date /Time: Michigan QSO Party, sponsored by the Mad River Radio Club, from 1600Z April 19th t until 0400Z April 20th. Stations may operate the full 12 hours. (12 noon to 12 midnight local Michigan time on April 20th)

Modes and Categories: Phone and CW on 80/40/20/15/10 meters. Single-op, multi-op, mobile and Emergencies Operations Center (EOC) categories. Single-op entries are categorized by output power, QRP (5W or less), Low Power (100W or less), and High Power (greater than 100W)

Multipliers: Work stations once per band and mode. Work other states and Michigan Stations. MI to MI QSO's are allowed. Work portables and mobiles again as they change counties, state or province.

Exchange: Exchange QSO number and location (county for MI stations, state/province or "DX" for others).

Scoring: One point per phone QSO, two points per CW QSO. Count multipliers once per mode. Multipliers are MI counties for all entries, plus states & provinces for MI entries only. Final score is total QSO points times total multipliers.

Freqs: Suggested frequencies: CW-3545, 7045, 14045, 21045, 28045; Phone-3800, 7200, 14250, 21300, 28450.

Log Submittal: Mail logs no later than 30 days after the contest to: Mad River Radio Club, c/o Dave Pruett, 2727 Harris Road, Ypsilanti, MI 48198 or via e-mail to logs@miqp.org

More Information: For complete rules, along with free logging software, log and summary sheets, see <http://www.miqp.org>

And If you get in the Michigan QSO Party and need help submitting your logs, contact Hank K8DD for help preparing the log and getting them submitted.

Upcoming Swaps...And Events...

April 19/20, 2008— Michigan QSO Party is April 19, 1200 EDST to 2400 EDST (16Z Saturday April 19 until 04Z Sunday April 20) Details at <http://www.miqp.org>

April 19, 2008—Milford ARC Swap and Shop 8:00 am, Milford High School, 2380 Milford Road, Highland MI T.I. 145.490-PL 67 hz 146.52

April 26, 2008—Michigan Antique Radio, <http://www.michiganantiqueradio.org>

Volunteer Exam Session

The next ARRL Volunteer Exam (VE) session will be April 12, 2008 at 10:00 a.m. in the 2nd floor meeting room at the Port Huron Branch of the St. Clair County Library, 210 McMorrin Blvd, Port Huron, MI.

Pre-registration NOT NECESSARY for all sessions during 2008!

Bring picture ID, the original and a copy of your present license and the original of any Certificate of Successful Completion (CSC) you may hold. The current fee is \$14.00. For further information call Bob Herbert, K8WMW, at 982-1561

Dates for 2008 include:

Apr 12, May 10, Jun 14, Jul 12
Aug 9, Sep 13, Oct 11, Nov 08, Dec 13

For further information call Bob Herbert, K8WMW, at 982-1561

No Electronics Magazines? Think Again.

Many old-time ham radio operators grew up with magazines such as Popular Electronics, Electronics Illustrated, and Radio- Electronics. Sadly, these magazines are gone now, but there are still electronics magazines out there that can help you keep up with what's going on in electronics. These magazines are written for practicing electronics engineers, so many of the articles will not be relevant to amateur radio or written in such a way to be nearly incomprehensible to electronics hobbyists, but you can't beat the price. They're free!

The magazines I'm referring to electronics engineering trade magazines. These magazines are sent out free to electronics engineers and others working in the industry, and are supported by the advertisers. You're not an electronics engineer? Don't worry. If you e-mail me, I'll tell you how you can qualify.

Let me give you an example of the good stuff you can find in these trade magazines. In the December 2007 issue of High Frequency Electronics (www.highfrequencyelectronics.com), there is an article titled, "Quartz Crystal Basics." Written by an engineer for a manufacturer of crystals, crystal oscillators, and crystal filters, this article describes how crystals are made and gives some tips on designing your own crystal oscillators.

Also in this issue is the article, "Power Combiners, Impedance Transformers, and Directional Couplers." This is the first of a series of articles to discuss these circuits. Amateurs frequently use transmission line impedance transformers (think baluns) to match an antenna system to the 50-ohm output of a transceiver.

The new products section includes items on RF parts and test equipment, as well as book reviews. You probably will not be purchasing the new Boonton 9103 7.5 GHz Portable Spectrum Analyzer (\$11,000 and up), but you might be interested in the book RF Circuit Design (\$41 at Amazon).

As you can see, there's plenty of useful and interesting information in these trade magazines. In addition to High Frequency Electronics, you may also want to check out:

- RF Design (www.rfdesign.com)
- Microwaves and RF (www.mwrf.com)
- EE Times (www.eetimes.com)
- EDN (www.edn.com)
- Test&Measurement World (www.tmworld.com, I used to write for this magazine)

If you don't care to sign up for the print version of the magazine, you can always visit their websites and sign up for their e-mail newsletters. These newsletters will keep you informed of new articles and product information on the websites. You can then choose which ones you want to read.

When he's not trying to get free subscriptions to electronics magazines, Dan blogs about ham radio (www.kb6nu.com), teach others about ham radio, and is working to set up an amateur radio station at the Hands-On Museum (www.aahom.org) in Ann Arbor, MI. You can e-mail him at cwgeek@kb6nu.com.

Lapeer County Amateur Radio Association

P.O. Box 12
Hadley, MI 48440-0012

Officers

President, Bob Beswetherick, N8NE . 810-653-3856 Vice-Pres., Chris Azelton, KC8TWL..810-245-0073
Secretary, Flo Haack KC8CAB 810-793-2606 Treasurer, Bill Miller, KD8VP.....810-797-5329

Committees & Appointees.

Club Founder.....Hollis Hayes, W8ACD Club Call TrusteeW8LAP.....Bill Miller, KD8VP
Club Historian.....Charlie Whipp, KC8JBK VE Coordinator.....Al Wilson, N8NPR
Skywarn Coordinator.....Pete Headrick KB8RSG Swap & Shop Chairperson.....Bill Miller, KD8VP
Field Day Chairman.....Bill Miller, KD8VP Meeting Refreshments.....Bill Miller, KD8VP
Two Meter Net Mgr.....Charlie Whipp, KC8JBK Newsletter Editor.....Hank Kohl, K8DD
Public Information Officer.....**It could be you!**

ARES Repeater Nets

Monday at 9:00 PM on 146.620-
Thursday at 9:00 PM on 442.750+
Mon—Sat at 9:30 PM on 147.300+

Meetings

LCARA meetings are held on the second Tuesday of each month in the Lapeer County Central Dispatch Center (911), 2332 W. Genesee St, Lapeer MI at 7:30 p.m. local time.

Board of Directors' monthly meetings are held on the first Tuesday of each month at Tim Horton's at 7:30PM (Check on the W8LAP repeaters).

Newsletter

Items for the newsletter may be called to the Editor at 810-721-0708, sent by Mail (Box 88, Attica, MI 48412), or as an ASCII or Word file to k8dd@arrl.net The deadline for submissions is the 20th of each month.

This area is for the article that you were going to write!

For Sale For Sale For Sale For Sale:

FOR SALE:

Contact Arpad, WY8M at: wy8m@arrl.net

Kenwood MC-57DM -- Kenwood's DTMF full-feature microphone, up/down buttons, lock, new in box with manual; \$60-

M2 VHF/UHF Antenna Package Deal – You get the M2 6M HO loop, 2M HO loop, 432 HO loop, two threaded extension masts to separate the three, a 5' mast with clamp, all related hardware (no coax), and all three loop antenna manuals; all for \$200-

Kenwood UT-20 1.2GHz -- Kenwood's 1.2GHz module for the TS-2000 series radio; \$450-

Diamond X6000A -- Tri-band base antenna, covers 2M-440-1.2G, with manual; \$150-

Diamond MX3000N -- Triplexer for 2M-440-1.2G; \$60-

Kenwood VS-3 -- Kenwood's speech board, announces various radio info; \$30-

Kenwood DRU-3A -- Kenwood's HF radio digital voice recorder option; \$100-

Kenwood ARCP-2000 -- software controller for the TS-2000 series radios; \$60-

TenTec Argonaut V 516 -- Model 516F-TCXO is TenTecs latest radio, 100 memories, does all HF bands including 60M, CW/SSB/AM/FM, general coverage rx, IF DSP filtering with Pass-Band and Bandwidth adjustable 200-3000Hz with 6000Hz on AM (no filters to buy!), TCXO for freq stability, SWR/S/Watt meter, band scanning and memory scanning, built-in cw keyer, cooling fan, manual, TenTec microphone, more info and pics at: <http://radio.tentec.com/Amateur/Transceivers/TT516>; \$695-

Kenwood TR-2500 -- 2M HT, 5W, LCD digital display, hi/lo power switch, no battery but has cigarette lighter plug battery-pack by-pass adapter, PL encode board inside, manual, rubber duck; \$35-

Philips Trench MOS FET – BUK9508 55A N-channel enhancement mode FET transistors, 55 Vds at 125 A (Id), TO220AB case, have 30 of them in an anti-static sleeve, eBay sells for \$2.55 apiece; Buy the whole sleeve for \$30.

TrippLite PR-40 – DC power supply, 13.8VDC, 40A, no meters, ¼" lugs on back; \$100.

Power Supply – switching PS, 12-15 VDC, 16A, works, you wire it up; \$20.

Optimus 33-3021 – Uni-Directional Microphone, black, on/off switch, cord; \$20.

ElectroVoice 634A – microphone, short cable; \$5.

Archer Video Selector – Radio Shack Cat# 15-1261, has 7 F-connectors on the back, couple switched up front; \$5.

Archer Special Effects Switcher -- Radio Shack Cat# 15-1274, 110V; \$5.

Heathkit Assembly Manual HX-10 – good condition, appears complete; \$10.

Heathkit Manual Deluxe SWL Receiver GR-54 – poor condition, may be complete; \$5.

Heathkit 1984 catalog – good condition; \$5.

Micronta Power Supply -- Radio Shack Cat# 22-124, 12VDC, 2.5A, manual; \$10.

Realistic WX Radio -- Radio Shack Cat# 12-156, pocket weather radio, built-in telescopic antenna; \$10.

BUD Filter LF-601 – variable low-pass filter, SO-239 PL-type connectors, 5 adjusters; \$20.

Meissner 15-7510 – "Wave Trap" (filter), 6Mc to 13Mc, for ladderline; \$10.

Optimus AM/FM -- Radio Shack Cat# 12-794, pocket radio, works; \$5.

Adaptor – RCA-style to PL style (SO-239), have a few; \$1.

Dummy Load – "twin tower" dual massive ceramic resistors, looks like 50+W easy; \$15.

NEC Computer Monitor – model XV17+, 17" color, works; \$50.

1N3085 – huge 100V 150A recovery diodes, have one left; \$10/each.

CB Antenna – about 26" long, base loaded, base load is tunable w/2 adjustment rings, 3/8" style mount; \$5.

Cell Phone Mobile Power Cord – for cell phone with 4.8V battery, DC coaxial plug on phone end; \$5.

Wall Warts – various voltages, email with needs; \$2 to \$5.

Duckies – UHF duck about 6" with BNC, \$5; dual band 2M/440 "Icom" style about 6" with BNC,

\$15; 11 Meter black rubber duck with right angle PL259, \$5.

K-40 10/11M Whip – 4' fiberglass, black, tunable, substitute for original K-40 stainless whip & base load, no mount or coax just the antenna; \$5.

K40 -- 10/11M base-loaded antenna with SS whip, no base for it just antenna; \$5.

Regency CB-501 -- 40 ch CB radio, with mic, "as is"; \$5.

All larger items are LOCAL PICK-UP ONLY! Shipping is extra.

Contact Arpad, WY8M at: wy8m@arrl.net

I want to buy your old ham/electronic/tube gear. I'm particularly looking for the Heathkit Mohawk that I built and sold to Dave Burch four decades ago.

Contact Mike, AA8K, at: stepsisters@comcast.net or 810-987-8873

For Sale

HW-8 Handbook—covers HW-7, 8 & 9 \$15

COM port boards, ISA, 2 ports \$3.00 ea

From the estate of N8CQA:

Central Electronics 10B \$130

Central Electronics 20A \$130

One VFO's for above \$75 ea

30M two transistor transmitter in a Hershey cocoa can \$15

All offers will be listened to!

Contact Hank K8DD at k8dd@k8dd.com or 810-721-0708

**Be Radio-Active
Participate**

The NCDXF/IARU International HF Beacon Project

This article was originally printed about 10 years ago after I first learned about this important resource. It has been updated with current information and is being run again for all of the new hams that are enjoying their new hobby on the HF bands. The NCDXF/IARU Beacons are a network of 18 HF beacons that allow a radio operator to determine band conditions to various parts of the world by simply listening to a short wave receiver. It was created through a combination of efforts of the Northern California DX Foundation (NCDXF) and The International Amateur Radio Union (IARU). It's a great tool for determining maximum usable frequency (MUF), and the minimum power required for operation. Each beacon uses a Kenwood TS-50 Transceiver and a Cushcraft R5 vertical. So, it's an omni-directional signal. There is no gain! The signals are transmitted in Morse code at 22 wpm. For those that can't copy Morse code, there is a way to know what you're listening to which I'll discuss a bit later in this article. First, the call sign of the beacon is given followed by four long dashes. Each transmission is 10 seconds long. Each beacon transmits the 10 second message on each of five bands (14.100, 18,110, 21.150, 24.930, & 28.200). For example, a beacon in Australia might transmit on 14.100 MHz at 00:00 seconds, and then a beacon in Japan would transmit at 00:10 seconds, and so on around the world. To determine maximum usable frequency for good propagation, start at 28 MHz and listen. It takes 3 minutes for all of the 18 beacons in the world to transmit, so if you don't hear anything, move down to the next band (24.930 MHz) and so on. It surprised me to find that certain parts of the world might be open on 20 meters while others were coming in on 15 meters. The four long CW dashes have a purpose also. Each long dash represents a different power level. The power

levels are 100 watts, 10 watts, 1 watt and 100 milliwatts. Most of the time, you'll only be able to hear a few beacons. This is typical of world wide propagation, as not all areas are open at the same time. Band conditions have been poor lately, but should be picking up as we enter the new sunspot cycle. On the morning that I wrote this article, I only heard a few beacons on 14.100 Mhz. More information on the world wide beacon system can be found at the following NCDXF/IARU website. <http://www.ncdxf.org/beacon.htm>

For those that cringe at the thought of trying to copy 22 wpm cw, there are software programs that are available that will help you know which beacon is transmitting at which time. For most of these programs, you will need to precisely set your computer clock so that the software is accurate on each beacon. I used the UTC time bulletin on WWV (10.000 MHz) to do this and it worked great. The following website offers a list of many such programs that are currently available (i.e.-some are free downloads and some come with a fee).

<http://www.ncdxf.org/Beacon/BeaconPrograms.html#W32>

I used the following free software program that was downloaded off of this site and it worked great. <http://www.taborsoft.com/btw/>

Here is a world map with a list of locations for each of these beacons. Many thanks to the Northern California DX Foundation and the IARU for this valuable propagation tool. Bill N8NRG
NCDXF/IARU Beacon Locations

Slot	DX Entity	Call	Location	Latitude	Longitude	Grid Sq
1	United Nations	4U1UN	New York City	40° 45' N	73° 58' W	FN3Øas
2	Canada	VE8AT	Eureka, Nunavut	79° 59' N	85° 57' W	EQ79ax
3	United States	W6WX	Mt. Umunhum	37° 09' N	121° 54' W	CM97bd
4	Hawaii	KH6WO	Laie	21° 38' N	157° 55' W	BL11ap
5	New Zealand	ZL6B	Masterton	41° 03' S	175° 36' E	RE78tw
6	Australia	VK6RBP	Rolystone	32° 06' S	116° 03' E	OF87av
7	Japan	JA2IGY	Mt. Asama	34° 27' N	136° 47' E	PM84jk
8	Russia	RR9O	Novosibirsk	54° 59' N	82° 54' E	NO14kx
9	Hong Kong	VR2B	Hong Kong	22° 16' N	114° 09' E	OL72bg
10	Sri Lanka	4S7B	Colombo	6° 6' N	80° 13' E	NJ06cc
11	South Africa	ZS6DN	Pretoria	25° 54' S	28° 16' E	KG44dc
12	Kenya	5Z4B	Kiambu	1° 01' S	37° 03' E	KI88mx
13	Israel	4X6TU	Tel Aviv	32° 03' N	34° 46' E	KM72jb
14	Finland	OH2B	Lohja	60° 19' N	24° 50' E	KP2Ø
15	Madeira	CS3B	Santo da Serra	32° 43' N	16° 48' W	IM12or
16	Argentina	LU4AA	Buenos Aires	34° 37' S	58° 21' W	GFØ5tj
17	Peru	OA4B	Lima	12° 04' S	76° 57' W	FH17mw
18	Venezuela	YV5B	Caracas	10° 25' N	66° 51' W	FK6Ønj

From the The ARRL Letter Vol. 27, No. 12 March 28, 2008

==> ARRL EXPO REVING UP FOR THE 2008 DAYTON HAMVENTION

ARRL EXPO Coordinator Katie Breen, W1KRB, tells that plans for the ARRL EXPO <<http://www.arrrl.org/expo>> at this year's Dayton Hamvention <<http://www.hamvention.org>> are coming together nicely. "Our current focus is on the new look and feel of our space. In past Hamventions, Forum Room 5 was located adjacent to the ARRL space. It is now moving to the Silver Arena, giving us more room and the opportunity to spread out a bit and do more creative things inside the EXPO."

Breen said that the ARRL EXPO team is looking at expanding the Field Services area to accommodate more programs and activities, including a larger meet-and-greet area for members to visit with ARRL President Joel Harrison, W5ZN, as well as the many other League officials and staff who will be on hand to answer any questions.

"The Field Services area will boast a large interactive display devoted to Logbook of the World

<<http://www.arrl.org/lotw>> for real time demonstrations, as well as a question-and-answer session with ARRL Web and Software Development Manager and LoTW developer Jon Bloom, KE3Z," Breen added.

Personnel from the ARRL DXCC Branch will be on hand to check DX cards and applications for all ARRL awards; JARL personnel will check cards and applications for JARL awards. All cards, including old cards, cards from deleted countries and cards for 160 meters, will be eligible for checking. Applications will be limited to 120 cards; more cards will be checked as time and volunteer Card Checkers are available. See the DXCC Web site <<http://www.arrl.org/awards/dxcc>> for the latest program information and current forms.

The ARRL Bookstore and Membership area will continue to buzz with activity, particularly with all of the new publications and products being offered this year. QST Editor Steve Ford, WB8IMY, will be on hand to sign your new copy of "ARRL's VHF Digital Handbook." QST

Contributing Editor and author of the popular QST column "Hands-On Radio" H. Ward Silver, N0AX, will also be available to sign copies of his latest book, "ARRL's Hands-on Radio Experiments." The new desktop and pocket-sized versions of the "ARRL Repeater Directory" are sure to be a hit with their new handy indexing tabs on the cover, easier-to-read listings and "Key to Repeater Notes" located right up front.

Visit the Dayton Hamvention Web site <<http://www.hamvention.org/hv2008/tickets/tickets.html>> to buy tickets at the discounted rate. Hotel rooms are filling up, so don't think twice -- if you've always wanted to attend Hamvention and have never had the chance, make this year your year to go. Hotels in the Dayton area can be found at the Dayton Montgomery County Convention and Visitors Bureau Web site <<http://www.daytoncvb.com/accommodations/>>. Keep updated with ARRL EXPO activities on the ARRL Web site <<http://www.arrl.org/expo>>.

And now One way to find where the DX is operating!

Dx Packet Cluster

The **WA8DX** Spider Packet Cluster node is available on **144.970**. At present **WA8DX** is receiving DX info via K8SMC in Jackson or N8NM in Waterford.

This is a tool you can use to build your DXCC total, see where people are working stations on both HF and VHF, and even pass messages.

Use your TNC to connect in the command mode and use **C WA8DX** as the command. Once connected you will get a welcome screen that asks for info. You should start to see DX spots right away.

You can also connect via the internet. Telnet to **wa8dx.servebeer.com** port **7300**

Although you can stay connected indefinitely, if you decide to disconnect, type **b** or **bye** and you will be logged out.

You can view an online version of a users manual at: www.wd1l.net/DXSpider/usermanual_en.html

Remember...DX Is!

N2CQ QRP CONTEST CALENDAR

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LZOCC 40m CW Sprint ... QRP Category  
Apr 5, 0000z to 0400z

Rules: <http://www.linkove.com/lzocc40/>

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QRP ARCI Spring QSO Party (CW)QRP Contest!!!

Apr 5, 1200z to Apr 6, 2359z
Rules: <http://www.qrparci.org>

SP DX Contest (CW/SSB) ... QRP Category
Apr 5, 1500z to Apr 6, 1500z
Rules: http://www.spdxcontest.info/reg/spdxc_g.pdf

EA RTTY Contest
Apr 5, 1600z to Apr 6, 1600z
Rules: <http://www.sk3bg.se/contest/pdf/eartty.pdf>

Missouri QSO Party (ALL) Apr 5, 1800z to Apr 6, 0500z Apr 6, 1800z to Apr 6, 2400z
Rules: <http://www.gsl.net/w0ma/contests.htm>

Adventure Radio Spartan Sprint (CW) ... QRP Event!
EDT: Apr 7, 9 PM to 11 PM (First Monday each month)
UTC: Apr 8, 0100z to 0300z Info: <http://arsqrp.pbwiki.com:80/Spartan+Sprints>

UBA Spring Sprint (80m SSB) ... QRP Entries Noted
Apr 13, 0600z to 1000z
Rules: http://www.uba.be/hf_contests/rules_en.html#

SKCC Sprint (Straight Key CW) ... QRP Awards
Apr 9, 0000z to 0200z
Rules: <http://skccgroup.com/sprint/sprint-rules.htm>

NAQCC Straight Key/Bug Sprint (CW) *** QRP Contest ***
EDT: Apr 8, 8:30 PM to 10:30 PM
UTC: Apr 9, 0030Z to 0230Z
Rules: <http://www.arm-tek.net/~yoel/contests.html>

PSK Flavors Contest ... QRP Category
Apr 12, 12:00 to 18:00 YOUR LOCAL TIME
Rules: <http://www.podxs070.com/>

Georgia QSO Party (CW/SSB) ... QRP Category
Apr 12, 1800z to Apr 13, 0359z
Apr 13, 1400z to Apr 13, 2359z Rules: <http://gqp.contesting.com>

SKCC Weekend Sprint (Straight Key CW) ... QRP Category
Apr 13, 0000z to 0000z
Rules: <http://www.iglou.com/sonic/skcc/wknd-sprint-rules.html>

The HOLYLAND DX CONTEST (CW/SSB) ... QRP Category
Apr 19, 0000z to 2359z
Rules: <http://www.iarc.org/>

TARA Skirmish Digital Prefix Contest ... QRP Category
Apr 19, 0000z to 2359z
Rules: http://www.n2ty.org/seasons/tara_seasons.html

Michigan QSO Party (CW/SSB) ... QRP Category
Apr 19, 1600z to Apr 20, 0400z
Rules: <http://www.miqp.org/>

EA-QRP Contest (CW) ... QRP Contest!
Apr 19, 1700z to 2000z (10, 15 & 20 Mtrs)
Apr 19, 2000z to 2300z (80 Mtrs)
Apr 20, 0700z to 1100z (40 Mtrs)
Apr 20, 1100z to 1300z (10, 15 & 20 Mtrs)
Rules: http://www.eaqrp.com/concurso/test_eaqrp_cw-en.htm

Ontario QSO Party (CW/SSB) ... QRP Category
Apr 19, 1800z to Apr 20, 0500z
Apr 20, 1200z to Apr 20, 1800z
Rules: <http://cco.ve3xd.com/oqp/>

RUN FOR THE BACON (CW) *** QRP CONTEST ***
EDT: Apr 20, 9 PM to 11 PM
UTC: Apr 21, 0100z 0300z
Rules: <http://fpgrp.net:80/fpqrprun.php>

MQFD Monthly Sprint (CW/PH/Digital) *** QRP Contest ***
Apr 26, 1800z to 2200z
Rules: <http://w2agn.net/mqfdsprint.html>

SP DX RTTY Contest
Apr 26, 1200z to Apr 27, 1200z
Rules: <http://www.pkrvg.org/zbior.html>

Florida QSO Party (CW/Phone) ...QRP Category
Apr 26, 1600z to Apr 27, 0159z and
Apr 27, 1200z to 2159z
Rules: <http://www.floridagsoparty.org/>

Nebraska QSO Party (CW/SSB/Digital) ... QRP Category
Apr 26, 1700z to Apr 27, 1700z
Rules: <http://www.qsl.net/hdxa/neqso/index.htm>

FISTS/EUCW CW QRS Contest (CW) ... QRP Category
Apr 28, 0001z to May 2, 2359z
Rules: <http://www.agcw.org/?Contests>

Helvetia Contest (CW/SSB) (Swiss) ...QRP Category
Apr 26, 1300z to Apr 27, 1259z
Rules: http://www.uska.ch/e_index.htm

QRP To The Field (CW) ...QRP Contest!!
Apr 26, 1500z to Apr 27,0300z Rules: <http://www.zianet.com/QRP>

QRP BARBERSHOP QUARTET CONTEST (CW QRP)... QRP Contest!
Apr 30, 9PM to 11PM EDT Rules: http://www.io.com/~n5fc/barbershop_contest.htm

Thanks to SM3CER, WA7BNM, N0AX(ARRL), N2APB, WB3AAL and others for assistance in compiling this calendar.

If you wish to subscribe to the Calendar,
send an e-mail to N2CQ@ARRL.Net
Please forward the contest info you sponsor to N2CQ@ARRL.NET and
we will post it and give it more publicity.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,
newsletter, e-mail list or other media as you choose. (Include a credit to the source of this material of course.)

72 de

Ken Newman - N2CQ
N2CQ QRP Contest Calendar Links:
<http://www.n3epa.org/Pages/Contest/contest.htm>
<http://www.amqrp.org/contesting/contesting.html>

2008 Skywarn Class

(a.k.a. Tornado)



They DO happen HERE



Hadley 2007



SPONSORED BY:

*Lapeer County Office of Emergency Mgmt Lapeer County
Amateur Radio Association
National Weather Service*

**IMLAY CITY
HIGH SCHOOL
AUDITORIUM**

1001 Norlin Drive, Imlay City

NOTE NEW LOCATION



**Thursday
April 3, 2008**

at

7:00 P.M.



FREE

**and Open
to the Public**



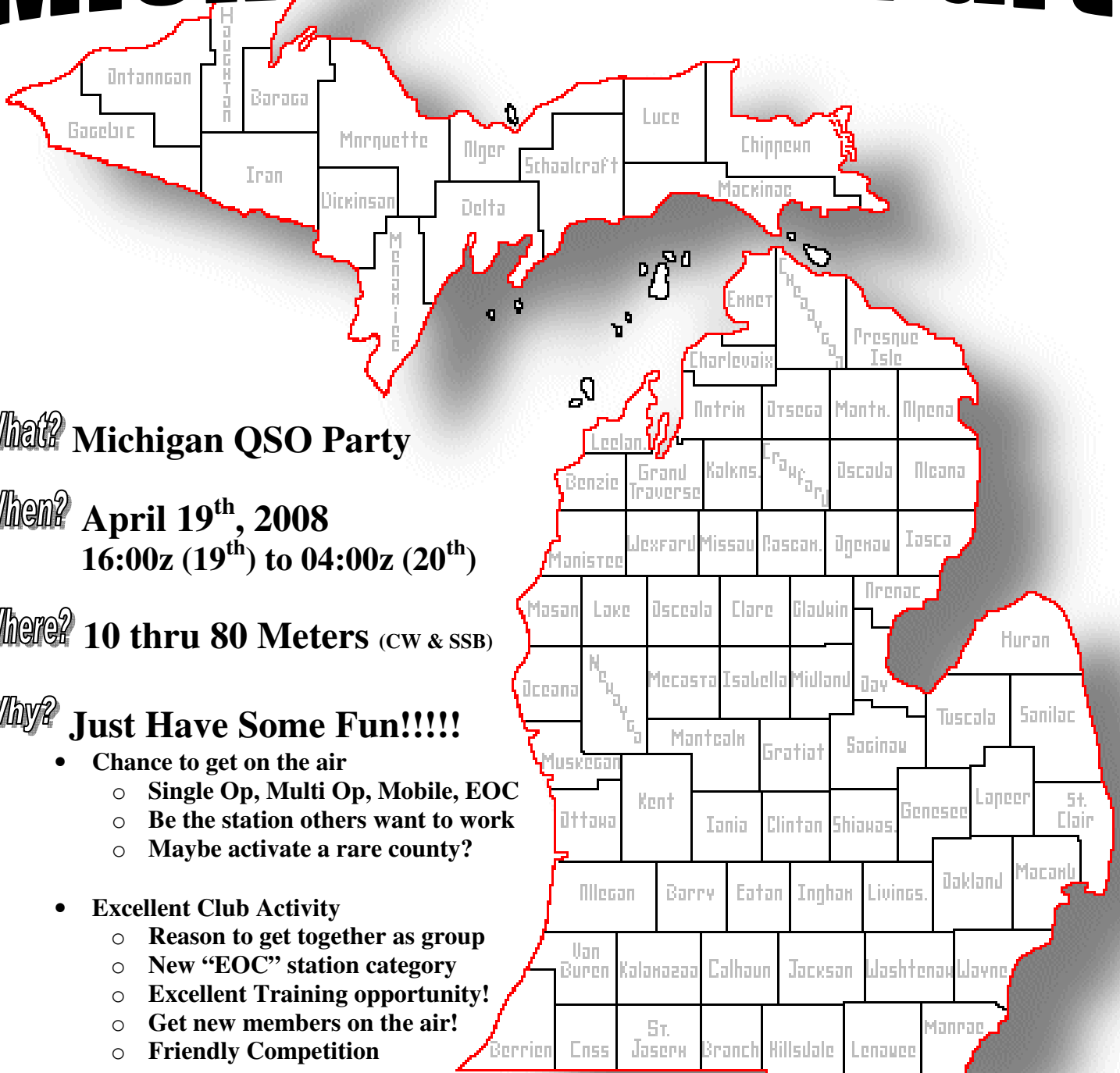
**Pre-Registration
Required:**

www.lapeercountyemd.org

Skywarn Training

- Skywarn spotter training sessions are held to train individuals on how to accurately observe such weather phenomena as wall clouds, funnel clouds, tornadoes, shelf clouds associated with squall lines, and clouds that resemble funnel clouds and tornadoes but really aren't.
- In addition, topics covered during Skywarn training are:
 - the role of the spotter, the NWS and emergency services;
 - a recap of significant weather events during 2007;
 - the necessary atmospheric conditions for thunderstorm development;
 - tornado classifications;
 - severe weather safety tips;
 - severe weather terms used in National Weather Service products;
 - what to report to the National Weather Service; and,
 - how to report information to the National Weather Service.
- Skywarn training presentations usually last around two hours, with a scheduled break included.
- Skywarn spotters are essential to the National Weather Service, law enforcement and fire officials, and emergency managers. Among other things, spotters:
 - provide valuable information on the severity of thunderstorms;
 - allow downstream communities to understand the severity of thunderstorms moving toward them; and,
 - allow the National Weather Service to gather information which helps verify the warnings it issues.
- Those who volunteer to be Skywarn spotters offer a valuable service. At a minimum, it is asked that Skywarn volunteers review procedures by attending a Skywarn spotter training session every two years.
- Spotter training is open to members of the general public, law enforcement, fire officials, and amateur radio operators, among others. We look forward to your participation in Skywarn!

2008 Michigan QSO Party



What? Michigan QSO Party

When? April 19th, 2008
16:00z (19th) to 04:00z (20th)

Where? 10 thru 80 Meters (CW & SSB)

Why? Just Have Some Fun!!!!

- Chance to get on the air
 - Single Op, Multi Op, Mobile, EOC
 - Be the station others want to work
 - Maybe activate a rare county?
- Excellent Club Activity
 - Reason to get together as group
 - New “EOC” station category
 - Excellent Training opportunity!
 - Get new members on the air!
 - Friendly Competition

Let's all help make Michigan “radio-active” on the 19th of April!!!!

Rules & More Info: <http://www.miqp.org/>

Sponsored By: The Mad River Radio Club

L.C.A.R.A. MEMBERSHIP APPLICATION

PLEASE PRINT:

CALL SIGN: _____ NAME: _____

ADDRESS: _____

CITY ,STATE, AND ZIP: _____

PHONE : _____ LICENSE CLASS: _____

SKYWARN NO.: _____ RACES NO: _____

ARES MEMBER YES___ NO___ E-MAIL ADD.: _____

ARE YOU AN A.R.R.L. MEMBER: YES__ NO__

L.C.A.R.A. MEMBERSHIP IS \$12.00 PER YEAR, RENEWABLE EACH YEAR ON **OCTOBER. 1ST.** FAMILY MEMBERSHIP \$20.00. ASSOCIATE MEMBERSHIP \$4.00. IF YOU WISH AN AUTODIAL NUMBER FOR THE REPEATER THERE IS AN ADDITIONAL \$3.00 CHARGE. Financing available.

Lapeer County Amateur Radio Association

P.O. Box 12

Hadley, MI 48440-0012