

Waveguide

W8LAP / r

146.620 - 100 Hz

442.750 + 123 Hz

Lapeer County Amateur Radio Association

Club Founder: Hollis Hayes W8ACD

Edition for **August 2014**

***** The next regular club meeting will be held on Tuesday,
August 12th, 2014 @ 6:00 pm at Cramton Park West*****

ARES Net

Every Tuesday at 8:00 pm on 146.620 - with 100 Hz PL

(except club meeting nights)

Thursday Night Net

Every Thursday at 8:00 pm on 442.750 + with 123 Hz PL

Meetings

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

Newsletter

Items for the newsletter may be called in to the editor at 810-793-4986 or emailed to kevinboxey@hotmail.com. The deadline for submission is the 20th of each month.

Website: <http://www.w8lap.com>

Facebook: Lapeer County Amateur Radio Association

Editorial Section

The President Says:

Hello all. There seems to be a lot going on this month.

First, don't miss the fact that our August club meeting will be outside at Cramton Park in the west pavilion. Unfortunately, due to Lapeer Days, there will not be any tables present. Make sure to bring your own chair and whatever table arrangement you may need. So please join your fellow club members in August at the park and hang out or bring your portable setup for fun.

Second, we will be having an officer shakeup this year and new people will be required in several positions. As I stated last month I am willing to do either the president or Waveguide editor but not both in the future. Right at this moment it looks like we will need a new editor. Also, new people will be required for the VP and secretary positions. Both of these positions do not require a great deal of your time so please consider serving your club at one of them.

Third, there was a suggestion at the July club meeting (I think by N8LJ) to have a series of planned meeting programs pre-scheduled for the first 6 months of 2015. The idea being to use this program schedule as part of the planned mailing to all Lapeer County hams on the books. I think this is an excellent idea and would now like suggestions from the club for program ideas. I am looking for specific ideas only. Meaning an individual presenter's name or a specific video for instance, my time to search through websites is limited.

I hope to see you at the park.
Kevin KB8TAR

The VP / EC Says:

Can't believe we're already into August, boy this years moving by fast. Our last Op. Care begins Aug. 31st so, please go to w8lap.com and sign up for a time slot.

Due to my new work schedule I'll be unable to attend any club meetings so effective at the end of this year I'll be stepping down as VP although I intend on remaining an active member of our group. I also intend on continuing on with the sections I've been involved with, ie. Ares/Races/Skywarn/op. care.

73 all, see ya somewhere down the road. TOM

Editorial Section

The Treasurer Says:

Greetings to one and all. It seems that we have finally gotten our summer. It goes from rainy and cold to hot and humid over night. I guess that's Michigan. So far this summer I haven't even done any antenna work, I must be waiting for bad weather to make it happen.

Thanks to the hard work of our repeater trustees' the DTMF controller has been installed and is functioning. Therefore I told AT&T what they could do with their phone line. It will take an extra month for the financial end of things to settle up, but whoopee we are out from under their thumb.

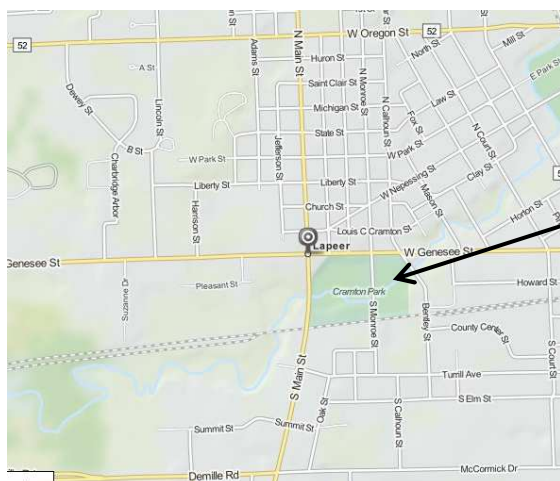
The treasury is in good shape, and other than the usual bills for phone and electric the only other outlay was for the cost of the DTMF controller. The cost of the controller has been in limbo waiting to see if it was going to do the job.

All is well. I hope you enjoy your summer. I will see you at the August outdoor club meeting.

Respectfully submitted,
William Miller KD8VP Treasurer

The Secretary Says

The meeting was called to order at 7:30 with the Pledge of Allegiance to the Flag. I had knee replacement surgery on May 20th. I am back. Tom's, KD8EBY wife is sick. The secretary report was read by Flo, KC8CAB. It was accepted by Lee, N8LJ and seconded by Bill, KD8VP. The treasurers report was read by Bill, KD8VP. The report was accepted by Dick, KC8VHA and seconded by Jamie, KC8PMW. Mike, KN8Z wants to be able to shut down the repeater when necessary. New Business: President: Kevin, KB8TAR. Vice President Tom, KD8EBY. Treasurer: Bill, KD8VP. Secretary: . Trustee: Mike, KN8Z. Gordon, KD8TXW will get the Lapeer County Hams to help get more people to the meetings. Break was from 8:21 to 8:27. Lee, N8LJ gave a presentation on Valley Camp in the Soo. 50/50 was won by Will, KB8YGA. Meeting was closed at 9:05 by Jamie. KC8PMW.



*The August club meeting
will be held here in the
west pavilion.*

Editorial Section

The Trustee Says:

Hello W8LAP Supporters:

There have been no issues that involve the trustee administration function.

The DTMF* decoder and control relays for both transceivers tested OK in all trials, and are functioning full time.

* Dual Tone Multi-Frequency signaling. These are the tones heard when pressing numbers on a telephone number pad.

This month's Sites:

Lightning (Part Two)

Last month's topic was personal lightning detection. This month the topic is world-wide studies, and where Michigan fits.

NASA has conducted lightning studies for several decades. The first link is to an explanation of the effects of lightning on the human body. It also includes a map of states that have the highest lightning-induced casualties. Notice that Michigan is among the high group:

http://science1.nasa.gov/science-news/science-at-nasa/1999/essd18jun99_1/

Next is a map of world-wide lightning density. Michigan is high, but notice central Africa:

<http://geology.com/articles/lightning-map.shtml>

Surprisingly, the Sun not only affects HF propagation, but can also influence lightning:

<http://blogs.voanews.com/science-world/2014/06/02/study-sun-plays-role-in-lightning-strikes/>

Lightning (Part One - Corrected)

Transposing from this editor to the Waveguide program failed again last month. Here are Part One's links in original form:

Link to Muskegon woman's event: <http://wkzo.com/news/articles/2014/jun/19/muskegon-county-woman-struck-by-lightning/>

Weather Underground with strike data: <http://www.wunderground.com/radar/radblast.asp?ID=DTX>

StrikeStar strike map: <http://www.strikestarus.com/>

Electronic Goldmine detector kit: <http://www.goldmine-elec-products.com/prodinfo.asp?number=C6924>

Franklin lightning detector chip: <http://www.ams.com/eng/Products/Lightning-Sensor/Franklin-Lightning-Sensor/AS3935>

Using detector chip:

<http://www.rs-online.com/designspark/electronics/blog/detecting-lightning-with-an-arduino>

Detector board: <https://www.tindie.com/products/TAUTIC/as3935-lightning-sensor-board/>





Detector Arduino code: <https://github.com/raivisr/AS3935-Arduino-Library>



Amazon listing of Acu Rite detector: http://www.amazon.com/s/ref=nb_sb_ss_c_0_18?url=search-alias%3Daps&field-keywords=lightning+detector&prefix=lightning+detector%2Celectronics%2C238&rh=i%3Aaps%2C%3Alightning+detecto

73 All,

Mike, KN8Z (kn8z at arrl.net)

2014 2014 2014 2014 2014 2014 2014 2014 2014

August						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2 LTZ test 1:00 pm
3 SWAP - PT HURON -ARPSA @ 5:00 pm on 3.932 LSB -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	4	5 ARES net 146.620+ 100 Hz PL at 8 pm	6	7 ARES net 442.750+ 123 Hz PL at 8 pm	8	9
10 -ARPSA @ 5:00 pm on 3.932 LSB -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	11	12 LCARA club meeting 6:00 pm at Cranston Park	13	14 ARES net 442.750+ 123 Hz PL at 8 pm	15	16 -T&C
17 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	18	19 ARES net 146.620+ 100 Hz PL at 8 pm	20	21 ARES net 442.750+ 123 Hz PL at 8 pm	22	23 
24 -ARPSA @ 5:00 pm on 3.932 LSB -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	25	26 ARES net 146.620+ 100 Hz PL at 8 pm	27	28 ARES net 442.750+ 123 Hz PL at 8 pm	29 	30 
31 						
Phases of the moon: 3:☉ 10:☽ 17:☽ 25:☉						

September						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 	2 ARES net 146.620+ 100 Hz PL at 8 pm	3	4 ARES net 442.750+ 123 Hz PL at 8 pm	5	6 LTZ test 1:00 pm
7 -ARPSA @ 5:00 pm on 3.932 LSB -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	8	9 LCARA club meeting 7:30 pm at the EOC	10	11 ARES net 442.750+ 123 Hz PL at 8 pm	12	13 
14 -ARPSA @ 5:00 pm on 3.932 LSB -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	15	16 ARES net 146.620+ 100 Hz PL at 8 pm	17	18 ARES net 442.750+ 123 Hz PL at 8 pm	19	20 -T&C
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28 -ARPSA @ 5:00 pm on 3.932 LSB -D3 net 145.31+ 131.8 Hz PL at 6:30 pm - D3 HF digital net 3.583 USB at 8:00 pm	29	30 ARES net 146.620+ 100 Hz PL at 8 pm				
Phases of the moon: 2:☉ 8:☽ 15:☽ 24:☉						
Holidays and Observances: 1: Labor Day						

2014 2014 2014 2014 2014 2014 2014 2014 2014

Event Announcement

7th Annual Family

Pledge to Prepare



Preparedness Day

Saturday, September 13, 2014

9:00am until 1:00pm

Rain or Shine!

Where: The Old Court House Lawn
Downtown Lapeer

Learn to:



Specialty
Training



Fun Stuff
for Kids



Make a Family Preparedness Plan
Build an Emergency Supply Kit
Have fun and play games!



Emergency Vehicles



Hosted by:

Lapeer County Office of Emergency Management
and

Lapeer County CERT Team

2332 W. Genesee Street, Lapeer, MI 48446 810-667-0242

Hands on
demonstrations



Lots of
information



Disaster Kit
Items



Be ready for the next emergency or
disaster that strikes your community!

Event Announcement



International Lighthouse Lightship Weekend

AN ANNUAL AMATEUR RADIO WEEKEND EVENT.
FOUNDED IN 1995 BY TWO MEMBERS OF THE AYR AMATEUR RADIO GROUP, (AARG), SCOTLAND,
AND HELD ON THE THIRD FULL WEEKEND IN AUGUST.

This year - 16-17 August 2014 - Duration 48 hours from 0001 UTC 16.8.2014



*Don't forget to join your fellow hams on
the LCARA nets*

- **Tuesday** night at 8:00 pm on 146.620 -
with 100 Hz PL

and

- **Thursday** night at 8:00 pm on 442.750
+ with 123 Hz PL



Public Service Event Schedule

***** please keep these dates open in your calendar *****

Crim 10 mile race (Genesee) - 23 Aug 2014

Labor Day Op CARE - 29 Aug to 01 Sept 2014



Hamfest information



HAMFEST/CONVENTION
08/02/2014 | UP Hamfest 2014
 Location: Escanaba, MI
 Type: ARRL Hamfest
 Sponsor: Delta County Amateur Radio Society
 Website: <http://www.dcars.org>
[Learn More](#)



HAMFEST/CONVENTION
10/18/2014 | Muskegon Color Tour Hamfest
 Location: Muskegon, MI
 Type: ARRL Hamfest
 Sponsor: Muskegon County Emergency Communication Services
 Website: <http://www.muskegoncolortourhamfest.com>
[Learn More](#)



HAMFEST/CONVENTION
08/03/2014 | Seaway Trunk Swap
 Location: Port Huron, MI
 Type: ARRL Hamfest
 Sponsor: Eastern Michigan Amateur Radio Club
[Learn More](#)



HAMFEST/CONVENTION
10/19/2014 | Kalamazoo HamFest 2014
 Location: Kalamazoo, MI
 Type: ARRL Hamfest
 Sponsor: Kalamazoo Amateur Radio Club & Southwest Michigan Amateur Radio Team
 Website: <http://kalamazooohamfest.com/>
[Learn More](#)



HAMFEST/CONVENTION
09/13/2014 | GRAHamfest
 Location: Wyoming, MI
 Type: ARRL Hamfest
 Sponsor: Grand Rapids Amateur Radio Association
 Website: <http://www.w8dc.org>
[Learn More](#)



HAMFEST/CONVENTION
10/26/2014 | USECA Hamfest
 Location: Madison Heights, MI
 Type: ARRL Hamfest
 Sponsor: USECA Amateur Radio Club
 Website: <http://www.usecaarc.com>
[Learn More](#)



HAMFEST/CONVENTION
09/14/2014 | Adrian Hamfest
 Location: Adrian, MI
 Type: ARRL Hamfest
 Sponsor: Adrian Amateur Radio Club
 Website: <http://www.w8tqe.com/>
[Learn More](#)



HAMFEST/CONVENTION
12/07/2014 | LCARC Hamfest/Swap
 Location: Harrison Township, MI
 Type: ARRL Hamfest
 Sponsor: L'Anse Creuse Amateur Radio Club
 Website: <http://www.qsl.net/n8lcl/>
[Learn More](#)

2014 LAPEER COUNTY TORNADO SIREN TEST SCHEDULE

If your community does not have a siren, or you cannot hear a siren, you may want to purchase a NOAA All Hazard Weather Radio.



If your community has a tornado siren, below are the dates that it will be tested:

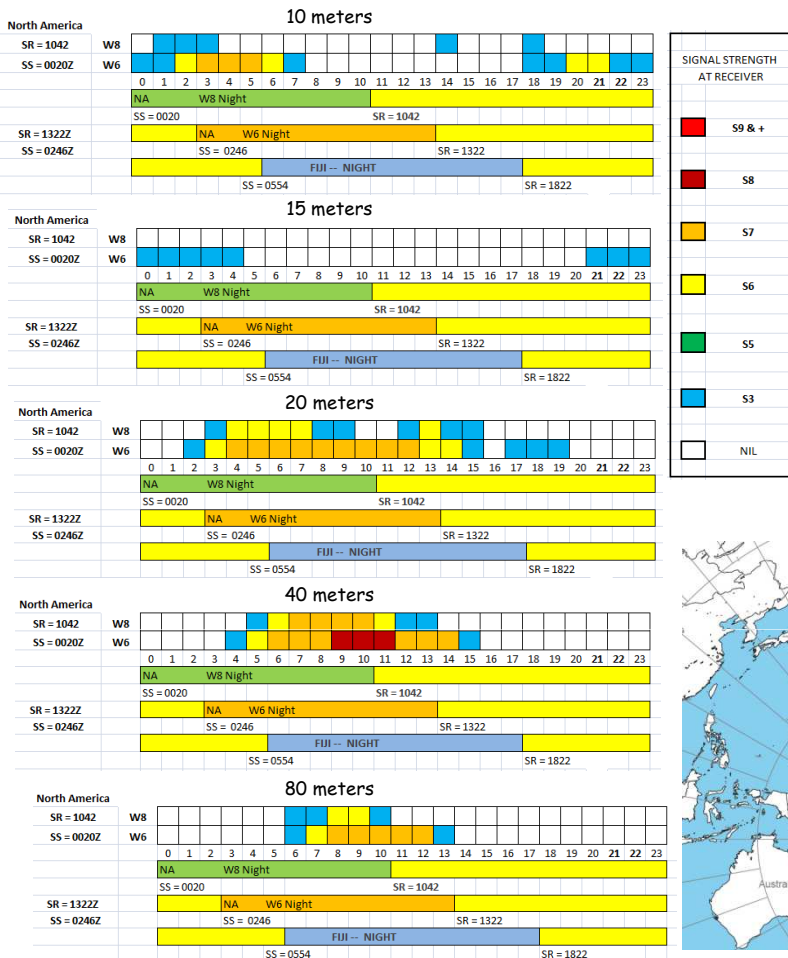
- Saturday, April 5th
- Saturday, May 3rd
- Saturday, June 7th
- Saturday, July 5th
- Saturday, August 2nd
- Saturday, September 6th
- Saturday, October 4th

All Tests Will Be Held At 1:00PM

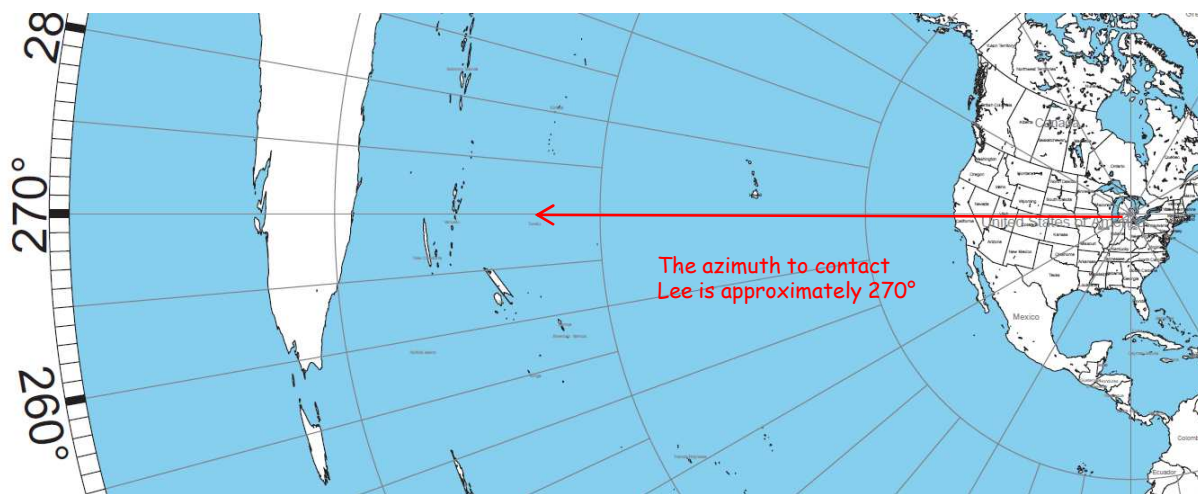
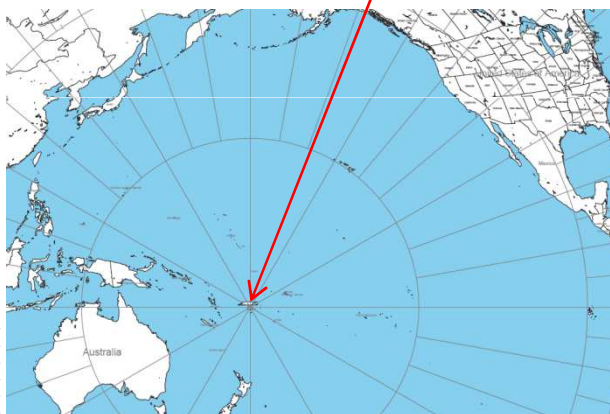
 Should inclement weather be present at the time of testing, the test will be cancelled. If you have any questions, please contact your local fire department.

N8LJ DXpedition

Hi Guys,
 Attached are some propagation charts for A3 and 3D2. We'll be there and hopefully operational between Aug 15 and Sept 1st.
 No penalties for dupes....QSL via the best QSL manager K8ESQ.
 Hope to work you.
 73 Lee
 A35LT 3D2LJ



Lee is somewhere around here...



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Stuff for Sale

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- *ICOM 706 MK II G, never been used mobile, separation kit still in box, extra power cord, connectors, fuses, manuals, and boxes. \$695*
- *CUSHCRAFT R-8 vertical antenna, 8 band (6,10,12,15,17,20,30,40 meters) with tilt over base & guy kit, used. \$275*
- *40 meter ham stick rotatable dipole, never used. \$45*
- *Two on the glass 2 meter antennas, used. New installation kits installed for both. Both for \$50.*
- *MAHA model MH-C801D battery charger, eight cell, one hour charger, new. \$45*

I have used the 706 MK II G very little, never even put a frequency into the memory. Call Gary KA8RGT at 810-245-2480.

If you have something to sell please send an email with the details to kevinboxey@hotmail.com to be included in the Waveguide listing.

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

Lapeer County Amateur Radio Association

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

Officers

President: Kevin Boxey KB8TAR, 810-793-4986
Vice President: Tom Oliver KD8EBY, 810-247-3227
Treasurer: Bill Miller KD8VP, 810-797-5329
Secretary: Flo Haack KC8CAB, 810-793-2606

Committees and Appointees

Club Call Trustee W8LAP: Mike Zedan KN8Z
Repeater technical team: Lee N8LJ & Will KB8YGA
Skywarn Coordinator: Tom Oliver KD8EBY
Meeting Refreshments: Bill Miller KD8VP
Newsletter Editor: Kevin Boxey KB8TAR
Net Manager: Tom Oliver KD8EBY
Testing Coordinator: **Volunteer needed**
County EC: Tom Oliver KD8EBY
County AEC: Joe Medved KD8CIL
County AEC: Kevin Boxey KB8TAR



WWW.ARRL.ORG