

Waveguide

W8LAP / r

146.620 - 100 Hz

442.750 + 123 Hz

Lapeer County Amateur Radio Association

Club Founder: Hollis Hayes W8ACD

Edition for **November 2013**

*****The next regular club meeting will be held on
Tuesday, November 12th, 2013 @ 7:30 pm*****

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 everyone. There are a number of items in the Waveguide that you should catch. First, the Christmas party has been scheduled for December 10th. I would like to keep a list of people planning on attending so we will have a sign-up sheet at the November meeting. If you don't make the November meeting please send an email so that we can keep a fairly accurate list for the restaurant.

Second, the correct linked system information is included later in the Waveguide along with the website. Please take a look at the information since we most likely will discuss linking our repeater at the next meeting.

Third, we need net control operators. The few that are supporting the nets now will quickly burn out if we don't get some help. Please see the information later in the newsletter.

See you at the November meeting.
Kevin KB8TAR

The Treasurer Says:

Greetings to one and all. I want to remind everyone that we have started our new fiscal year and that it is time to renew your membership. Dues are still only \$12.00. Thanks to the generous help out at operation care, we are still able to run our club and not have to increase the dues like so many other clubs have done. Praise to those who volunteer.

There were no unusual bills this month. Just the electric and telephone bills. Speaking of telephone bills, there was a suggestion at the last meeting that the Repeater Group would investigate a legal alternative to the telephone line to control the repeaters. Hallelujah!!! That will drop about \$500 from our club cost. You go guys!!

Once again I remind you to renew your membership.
Have a great fall and get that antenna work finished.
Respectfully
William Miller KD8VP

The Secretary Says:

The meeting was called to order at 7:30 with a Pledge of Allegiance to the flag and introduction to members and guest. The minutes were read by Flo, KC8CAB. The minutes were accepted by Lee, N8LJ. The treasurer's report was read by Bill, KD8VP. It was accepted by Dave, K8DLW. The trustee report was given by Mike, KN8Z. The new meeting: The Christmas party will be at Teds. We will spend our own money for the dinner. The break was from 8:15 to 8:25. The presentation was given by Will, KB8YGA. 50/50 was won by Mike, KD8OTZ. Meeting closed at 8:50.

Flo KC8CAB

Editorial Section

The Trustee Says:

Hello all:

Items concerning W8LAP, between September 25 and October 23, were all related to the repeater site and environs. The Repeater Team spent thirty five man-at the site, and a lesser number performing individual tasks. Activity included:

- Installing a PC for programming the 2 meter controller on-site.
- Examining and altering current programming to eliminate superfluous messages.
- Updating message timing.
- Adding additional announcements for nets.
- Purchasing and installing material for winter operating.
- Fabricating hardware for controlling environmental conditions in the mounting cabinets.
- Finishing installation of the remaining ground item.
- Replacing deteriorated interior 120 Volt lines.
- Determining the reason that the North Branch link was inoperative.
- Relocating interior hardware and associated wiring to improve ease of movement within the repeater shack.
- Removing the Yaesu backup transceiver to determine serviceability.

After checking the 220 MHz North Branch link radio (see above), the Repeater Team discovered a previously undetected result of the July lightning event. The transceiver functioned as expected in transmitting and receiving voice. This radio also has circuitry that communicates with the 2 meter controller. The team discovered damage in this circuit that failed to signal the 2 meter controller when link activity was present. Currently, the Team is determining whether the circuits should be repaired, or the radio should be replaced.

Site of the Month: <http://k0bg.com/>


If you have considered operating mobile on any band you work, you will do well to peruse this site. Alan, (K0BG) has constructed a masterful compendium that details every aspect of mobile radio installation. These range through noise issues, antenna efficiency, cables, wiring, and antenna shoot outs. The site is very well presented, and is as well written as any paper book on the subject. Additionally, there are many visuals that accompany the text. Moreover, I, and many other readers, have noticed no "old wives tales," or other types of misinformation that creeps into some Ham-written sites. In fact, much of Alan's material is derived from observed situations, after decades of mobile installing and operating. If you read through this site, your knowledge of the subject will dramatically increase.

73,

Mike, KN8Z

2013 2013 2013 2013 2013 2013 2013 2013 2013

November						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 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 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	11	12 LCARA club meeting 7:30 pm at the EOC	13	14 ARES net 442.750+ 123 Hz PL at 8 pm	15	16 -T&C -GCRC license test Baker College, rm 5-103 9:30 am
17 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 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 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	25	26 ARES net 146.620+ 100 Hz PL at 8 pm	27	28 	29	30
Phases of the moon: 3: ● 10: ◐ 17: ○ 25: ◐						
Holidays and Observances: 11: Veterans Day, 28: Thanksgiving Day						

December						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	2	3 ARES net 146.620+ 100 Hz PL at 8 pm	4	5 ARES net 442.750+ 123 Hz PL at 8 pm	6	7
8 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	9	10  LCARA Xmas dinner 5:00 pm at Ted's	11	12 ARES net 442.750+ 123 Hz PL at 8 pm	13	14
15 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	16	17 ARES net 146.620+ 100 Hz PL at 8 pm	18	19 ARES net 442.750+ 123 Hz PL at 8 pm	20	21 -T&C
22	23	24	25 	26 ARES net 442.750+ 123 Hz PL at 8 pm	27	28
29 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	30	31 ARES net 146.620+ 100 Hz PL at 8 pm				
Phases of the moon: 2: ● 9: ◐ 17: ○ 25: ◐						
Holidays and Observances: 24: Christmas Eve, 25: Christmas Day, 31: New Year's Eve						

2013 2013 2013 2013 2013 2013 2013 2013 2013

Below is the list of related websites from Will's (KB8YGA) presentation at the October meeting.

<http://hsmm-mesh.org/applications-for-the-mesh.html>

<http://l-com.com>

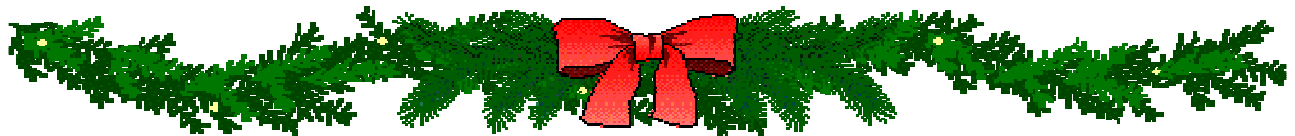
http://en.wikipedia.org/wiki/High-speed_multimedia_radio

<http://www.n8xym.com/2013/04/raspberry-pi-uhf-dvap-dstar-hotspot.html>

<http://hsmm-mesh.org/hsmm-mesh-forums/view-postlist/forum-18-how-we-used-hsmm-mesh/topic-469-shiawasse-amateur-radio-association--2013-fd-mesh.html>

<https://github.com/urlgrey/hsmm-pi>

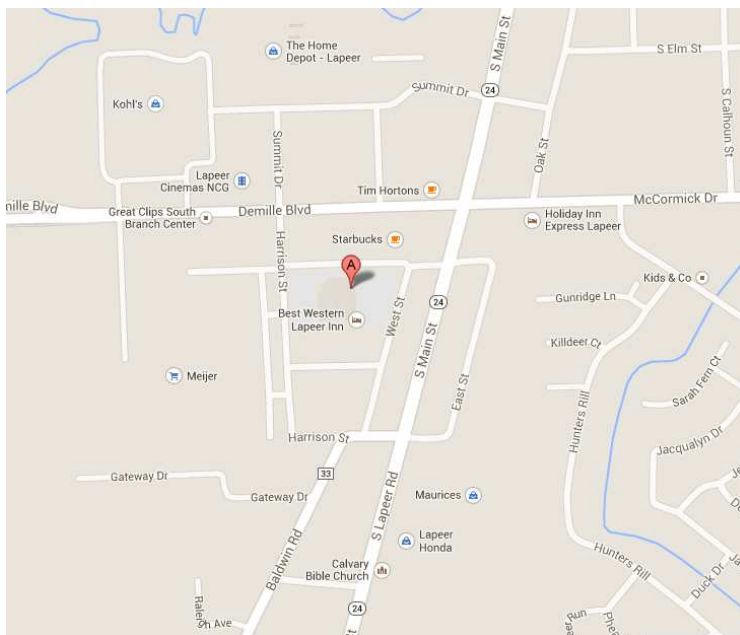
<http://whatcomradio.wordpress.com/2013/04/10/more-mesh-fun/>



Ted's Sports Pub & Grill

770 West St, Lapeer MI 48446

(810) 667-0006



We have secured the banquet room at Ted's again this year for the club Christmas dinner.

Date: 10 Dec 2013

Time: 6:00 pm

Join your fellow club members for a relaxing holiday dinner.

Topic for discussion

A discussion took place at the October club meeting about the possibility of linking our repeater with an existing linked system. Below is the linked system under discussion. Please take a look and bring your comments to the November meeting concerning this important decision.

Repeater	Output	Input	Tone	Callsign	Network	Status
Dansville	444.5750	449.5750	107.2	N80BU	CMEN1	UP
Detroit	442.1750	447.1750	123.0	KC8LTS	CMEN1	UP
Fenton	442.3500	447.3500	107.2	W8FSM	CMEN1	UP
Frankenmuth	444.0250	449.0250	100.0	KB8SWR	CMEN1	UP
Lansing	147.2800	147.8800	107.2	KB8LCY	CMEN1	UP
Lansing	443.0000	448.0000	107.2	KD8JFI	CMEN1	UP
Fenton	927.5375	902.5375	131.8	N8VDS	CMEN1	UP
Chelsea	443.5750	448.5750	100.0	WD8IEL		UP
Waterloo	443.5750	448.5750	250.3	WD8IEL		DOWN
Mt. Clemens	443.6250	448.6250	151.4	KC8UMP	CMEN1	UP
Wheeler	442.6500	447.6500	100.0	W8QPO	CMEN1	UP
Holly	224.6200	223.0200	100.0	W8FSM	CMEN2	UP
Detroit	224.3600	222.7600	103.5	KC8LTS	CMEN2	UP
Holly	927.2625	902.2625	131.8	W8FSM	CMEN2	UP
Detroit	927.6625	902.6625	131.8	KC8LTS	CMEN2	UP
Riverview	927.4875	902.4875	131.8	KC8LTS	CMEN2	UP
Lansing	224.8200	223.2200	100.0	W8FSM	CMEN2	DOWN
Lansing	927.5500	902.5500	131.8	KB8FUN	CMEN1	UP
Detroit	147.3300	147.9300	293NAC	KC8LTS	Standalone	UP
Mt. Clemens	927.2500	902.2500	131.8	W8FSM	CMEN2	UP
Dansville	910.250Mhz	439.250	ATV	N80BU	CMEN ATV	UP
Dansville	927.5255	902.5255	131.8	KB8FUN	Standalone	UP
Durand	145.2900	144.6900	100.0	N8IES	Standalone	UP
Durand	224.8600	223.2600	100.0	N8IES	Standalone	DOWN
Durand	442.6250	447.6250	100.0	N8IES	Standalone	UP
Fenton	927.6875	902.6875	131.8	W8FSM	Standalone	UP
Fenton	443.2000	448.2000	151.4	KC8YGT	Standalone	UP
Fenton	443.9250	448.9250	CC1	W8FSM	CMEN5	UP
Mt. Clemens	443.9500	448.9500	CC1	KD8EYF	CMEN5	UP
Dansville	444.7000	449.7000	CC1	N80BU	CMEN5	UP
Lansing	442.7250	447.7250	CC1	KB8SXX	CMEN5	UP
Oshtemo	444.0750	449.0750	CC1	KB8CRR	CMEN5	UP



<http://cmen.us/>



The Southeast Asia Story by John Chester Lunsford XV5AC / W4EVG

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The Southeast Asia Story
by John Chester Lunsford
XV5AC/W4EVG

I am by trade a Electronics/Communication Specialist and have been since 1955. I have always loved Radios and Electronics for as long as I can remember. I probably screwed up more Radios in my childhood than I fixed, but I had no fear of replacing tubes or looking for burned resistors or shorted capacitors. I saw several Ham stations after WWII and they fascinated me. I loved to hear the Hams talk to each other and dreamed of someday being able to operate my own station not knowing that I would be one of the most famous Amateurs in the world for a short time during my life.

If you would like to read the remainder of this story go to:

<http://hamgallery.com/gallery/S/xv5ac.htm>

Courtesy of N8LJ

EOC update

The radio equipment has been installed in the EOC. In attendance were KD8EBY, N8LJ, KB8TAR and not pictured is KB8YGA (since he is taking the photo), There is a little work that remains - the coaxes need to be lengthened and hooked up before it will be on the air.



	<i>EOC site</i>	<i>Repeater site</i>
<i>Mycall</i>	W8LAP-1	W8LAP-2
<i>PBBS</i>	W8LAP-3	W8LAP-4
<i>Node</i>	EOC44	LCARA

For those of you that run packet.....
The repeater site designation was updated
due to the upcoming addition of the EOC
packet station.



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*

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Stuff for Sale

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MFJ-945E tuner for sale, \$80. Contact Dick at KC8VHA@GMAIL.COM

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



Here is an interesting video on YouTube courtesy of K8DLW

<http://www.youtube.com/watch?v=9L6TWJuRC7I>

Weekly nets

We are in need of more net control operators, currently there are only 2-3 members supporting our net schedule. The net preamble has been included below. We are inviting anyone to give net control a try for either of our nets. Currently there is no schedule so please jump in. With the preamble it is easy and fun. Give it a try.

Lapeer County ARES Net Preamble

Calling all amateurs to the **Tuesday / Thursday** Lapeer County ARES net (unkey and pause).

Good evening and welcome to the **Tuesday / Thursday** Lapeer County ARES net. This net meets every **Tuesday / Thursday** night at 8:00 pm local time on the W8LAP repeater, located 3 miles east of Lapeer, Michigan. This repeater is owned and operated by the Lapeer County Amateur Radio Association and the repeater trustee is Mike Zedan, KN8Z. The repeater is accessible with a 100 Hz tone.

The purposes of this net are to promote good fellowship among amateur radio operators and to provide training for ARES net activations. Questions are always welcome. This is a directed net and all licensed amateurs are invited and encouraged to participate.

My name is XX, call sign XX and I will be your net control operator for this session. We will now begin with a series of standbys. When checking into the net, please give your call sign and name clearly.

- At this time are there any **emergency** or **priority** check-ins for the net? If so, please call now.
- Any **mobile** or **portable** stations wishing to check into the net, please call now.
- Any stations with **announcements** for the net, please call now.
- **General** check-ins for the net, please call now.

Note that the above order is listed in the priority that the stations should be recognized by net control.

Net control recognizes **(list all call signs that checked into the net)**.

Now begin the rotation of checked in stations.

Every 10 minutes take a standby for additional check-ins and ID yourself.

After the last round is completed:

Are there any new check-ins for the net?

If nothing is heard:

Is there any further business or re-checks for the net?

If nothing is heard:

Hearing nothing, this will now conclude the net for date. The net is now closed at time PM after XX minutes. We had XX check-ins and XX re-checks. I would like to thank everyone for their participation and wish everyone a good evening. I will now return the repeater to normal amateur use.

73, this is call sign.

From the latest NWS publication

Weather Reporting

As a reminder, the following conditions should be reported to the NWS if possible:

Snow

- When the first inch has fallen, then each additional two inches.
- Storm total snowfall.
- 12-hour snowfall amounts around 8 AM and 8 PM.

Rain – Amounts of one inch or greater within a 24-hour period.

Ice

- Freezing rain or sleet starts to fall.
- Ice is having an impact on travel.
- Ice is beginning to damage trees and bring down power lines.
- Try to estimate the ice to the nearest quarter of an inch.

High Winds

- Wind gusts of 40 MPH or greater
- Any damage caused by strong winds (examples: trees or tree branches blown down, damage to roofs or siding).

Dense Fog – Visibilities of a quarter mile or less or when fog is impacting travel.

Flooding

- Any flooding that covers roads or threatens property.
- Ice jams.

The following are the primary means by which to report winter weather:

Facebook - www.facebook.com/US.NationalWeatherService.Detroit.gov

This is also a great way to send us your weather pictures!

Twitter - @NWSDetroit or <https://twitter.com/NWSDetroit>

Packet Radio - (K8DTX-5, 145.76 MHz)

Spotter reports received via packet radio are printed out in the NWS office.

Internet - <http://espotter.weather.gov>

E-mail - nwslidtx@noaa.gov (NOTE: e-mail reports are not viewed instantaneously and are best used to send or report post storm pictures or damage reports).

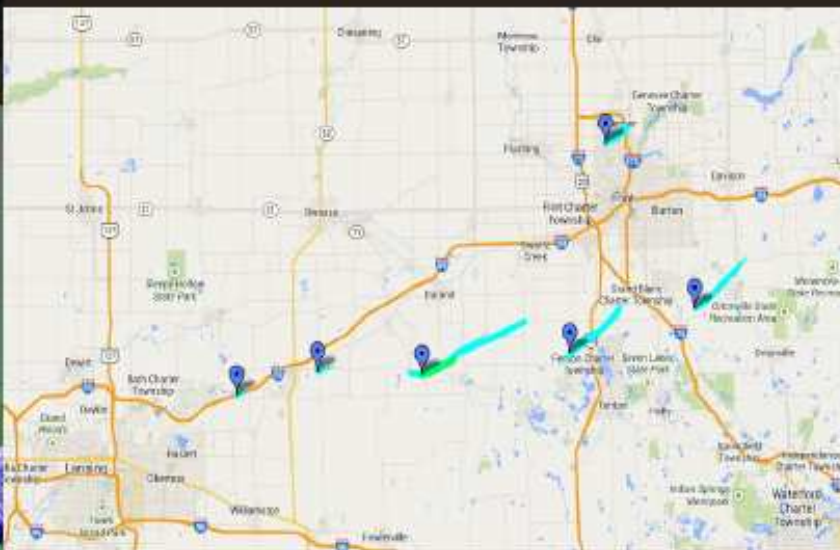


On a final note, there may still be a few of you interested in the CoCoRaHS program (Community Collaborative Rain, Hail, and Snow network). This program is separate from the NWS spotter network. Reports from this program are shared among the NWS and other government agencies, media and educational institutions. Participants in this program report their 24-hour rain and/or snow reports every morning around 7 AM on a website. For more information, please visit <http://www.cocorahs.org> or contact Rachel.Kulik@noaa.gov.

From the latest NWS publication

May 28, 2013 Tornado Outbreak

Southeast Michigan averages about 6 tornadoes per year, however in 2013, that number was met in one day. On May 28, peak daytime heating led to a high amount of instability and a nearby warm front aided in storm development and wind shear. Severe thunderstorms developed as a result and spawned 6 tornadoes, along with several reports of downed or uprooted trees and significant damage to homes and local businesses. Shiawassee and Genesee counties were the hardest hit, with three NWS Survey Teams sent out to assess the damage and assign EF ratings. The EF ratings of the tornadoes ranged from EF₀ to EF₂.



(Above image shows locations and tracks of the 6 tornadoes on May 28)

More information, including storm tracks and damage photos can be found at:

http://www.crh.noaa.gov/news/display_cmsstory.php?wfo=dtx&storyid=94975&source=2

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

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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 PIO: Dan Bain KC1BUD
County AEC: Joe Medved KD8CIL
County AEC: Kevin Boxey KB8TAR

