

# Waveguide

**W8LAP / r**

146.620 - 100 Hz

442.750 + 123 Hz

**Lapeer County Amateur Radio Association**

Club Founder: Hollis Hayes W8ACD

Edition for **January 2015**

***\*\* The next regular club meeting will be held on Tuesday,  
January 13<sup>th</sup> @ 7:30 pm at Lapeer County EOC\*\****

## **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 emailed to Gordon Miller at [kd8txw@gmail.com](mailto:kd8txw@gmail.com). The deadline for submission is the 20<sup>th</sup> of each month.*

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

**Facebook:** Lapeer County Amateur Radio Association

# *Editorial Section- President*

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## **The President Says:**

Hello fellow LCARA members.

Well the club Christmas dinner was attended by 22 people so I was very happy to see that level of participation. The location, even though it was a second choice, seemed to work out well. I would be interested to hear other opinions at the next club meeting.

We will be starting the monthly club presentations in January. Below is a list of the confirmed presentations and also a few more ideas that need presenters. For some reason it seems difficult to come up with decent ideas so please volunteer any and all ideas you may have or come across.

- [DXpedition report - N8LJ - January](#)
- Sound analysis – KD8TXW
- Usage of LoTW – N8LJ
- Security cameras – KN8Z
- CW decoder project – KD8TXW
- Radio message forms – KB8TAR
- Go box construction – does anybody have a box assembled for show and tell ?  
(multiple club members and examples would be nice)
- 10 tower mistakes - TBD
- Existing videos of 20 minutes or so ?
- Emergency power – TBD
- Equipment review – do you have a new piece of gear and could share your experience with the group ?
- more ideas...??

Also started for 2015 is the list of public service events and dates as shown later in the Waveguide. Please make every effort to support as many of these events as possible.

See you at the January meeting.  
Kevin KB8TAR

## *Editorial Section- VP & Treasurer*

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VP/EC Says:

Well, another year has almost come to an end and with that I'd like to wish everyone a Merry Christmas and a Happy New Year and to say thanks to all for their assistance with all our Public Service and Skywarn Events.

As I write this I realize it is now time for me to get out the new ARES Id's.

I'll be starting with cards for active club members and then others in county with whom I have a record of.

This year the RACES cards also expire but, will be handled out of Lansing with me only doing the record keeping. So if you're RACES certified please make sure I have a copy of your IS 100,200,700 and 800 certificates for my files to ensure you get your new card. I'm being advised the new cards won't be issued until sometime in March, or later as the new state leadership likes to have their signature on them.

Anyway enjoy the holiday season and I'll see you all in January.

Treasurers report:

Greetings to one and all. Also since there are so many of you that I won't see, a very Merry Christmas. I have been dealing as of late with the club insurance policy for liability, and the tower lease. It seems that with the new, be afraid of everything administration at the school system they want to be included as "also covered" on our liability insurance. After looking into that, I found out that maybe that is going to cost us an additional \$50.00 per year on our policy. The jury is still out on that one. I am not in favor of paying more for insurance. Perhaps I can find a way around this, or not. The administration is perfectly willing to extend the tower lease if they are included on our insurance, so it seem that I will have to deal with the insurance agents. Maybe I will have to find new insurance. Who knows??? The club treasury is fine and there were no unexpected bills for this month.

I hope that everyone has a Merry Christmas and we will see you at the Christmas party at LEO'S.

Respectfully

William Miller KD8VP Treasurer

## *Editorial Section- Secretary*

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### Lapeer Radio Club Meeting Minutes 11 Nov 14

The meeting was called to order at 7:30 pm. Nine members and guests were in attendance.

The previous meeting minutes were read and approved without changes. No members were reported to be ill or in the hospital. The Treasurer reported the balances in the clubs' accounts. The treasures' report was approved.

#### Old Business:

The December meeting will be a Christmas get together on Tuesday December 09, 2014 at 6:00 pm. Arrangements have been made at Leo's Coney Island on M-24 in Lapeer. Please contact Kevin KB8TAR [kevinboxey@hotmail.com](mailto:kevinboxey@hotmail.com) and let him know you (and your significant other) will attend.

More discussion was held to attract more members to the Lapeer Radio Club. A list was generated with all Amateur Operators in Lapeer County. E-mailing of the club newsletter to all Lapeer County Amateurs (with an opt out feature) will soon be implemented.

It is desirable to have a link in the Waveguide to a webpage that will be maintained and updated on a regular basis. This will contain timely information of events and presentations scheduled for the club meetings. The intent is to have it password accessible by the club officers and/or designates. Once this is in place, the County Press should be contacted to update the monthly notice with our website information. Will KB8YGA showed a webpage example he created using Word Press. Kevin reported that David (webmaster) can add the link.

Mike KN8Z noticed no want adds this month. None were reported. Gordon (Waveguide editor) asked for guidance of how long to run a want add. Consensus was after a couple of issues, if the seller did not request an extension pull the add.

Gordon would like to add a section in the Waveguide a section of projects members would be willing to share with the membership. Example shared were a CW decoder using Arduino, Equipment usage and reviews, setting up cross band communications with equipment that has this feature. If you have a project to share, contact Gordon.

Continued on next slide

## *Editorial Section- Secretary*

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Kevin is pulling together the meeting presentations for next year. January 2015 presentation will be the "Tonga and Fiji 2014 DXpedition"; February will be "Using LOTW (Logbook of the World)" assuming we have internet access in the EOC meeting room, and more to follow.

The Caro repeater 146.66 (-) 100 Hz tone, has re-located. Please try it out and send signal coverage reports to its trustee.

Meeting Break 8:15 to 8:27 pm

Will KB8YGA attached the EOC antennas to the W8LAP ARES equipment and we now have 2 meter and 440 equipment functioning. The packet radio information will be updated in the Waveguide.

Bill KD8VP renewed the repeater lease with the Lapeer School System. To complete the lease the club had to include the school system as a participant on our liability insurance policy. This is an additional cost of \$50 to the policy. A motion was made and seconded to approve the additional funds for the insurance policy.

Andy (guest) graciously donated a Digital Recorder for Club use. **Thank You Andy!**

The 50/50 was won by Will KB8YGA.

It was asked if anyone has heard from KD8EBY? Tom if you're out there please contact Kevin.

Meeting adjourned 8:55 pm

Respectfully submitted

Lee  
N8LJ

## *Editorial Section- Tech Team*

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Hello W8LAP Supporters:

There have been no issues that involve the trustee administration function, and no system malfunctions.

It's been almost a year and a half since the calamitous lightning incident at our repeater site. Since then, the Tech Team\* have conducted several improvements to reduce the chances of such severe damage. The results if their efforts were shown in a multiple day power outage in Lapeer. W8LAP remained on the air, and didn't miss a beat.

The Tech Team is in the process of attempting to get internet service to the repeater site. You'll get updates as they occur.

\* Lee (N8LJ) and Will (KB8YGA)

This month's Links:

*Season's Greetings*

As the year's end approaches, E-cards will be flying to kith and kin. We Hams have a special means of electronically sending greetings, provided by Gary Pearce (KN4AQ). I've written about Gary's tremendous archives of informative and illuminating videos. He's up to 176 episodes of Amateur Radio Video News, but his most lasting, and memorable, video will be "*A Ham's Night Before Christmas: The Movie*," conceived in 2003.

The below link is to the video, with Gary's notes on its history, and how he ended up using Don Mercz' (WA3AYR) marvelous guitar background.

[http://arvideonews.com/hrn/HRN\\_Special\\_Edition\\_003-A%20Ham%27s%20Night%20Before%20Christmas.html](http://arvideonews.com/hrn/HRN_Special_Edition_003-A%20Ham%27s%20Night%20Before%20Christmas.html)

The same site in TinyURL: <http://tinyurl.com/m2dfyhx>

Merry Christmas and Happy New Year to all,

Mike, KN8Z (kn8z at arrl.net)



# Meeting presentation for January

*Our January club meeting presentation will be the ever popular DXpedition update from Lee, N8LJ.*

*Lee's talks are always well presented and very interesting. Please join the club for a very enjoyable evening.*

## On Samoa



## On Fiji



## January 2015

Sun	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 ARES net 442.750+ 123 Hz PL at 8 pm	2	3
4-ARPSC @ 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	5	6 ARES net 146.620+ 100 Hz PL at 8 pm	7	8 ARES net 442.750+ 123 Hz PL at 8 pm	9	10
11-ARPSC @ 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	12	13 LCARA club meeting 7:30 pm at the EOC	14	15 ARES net 442.750+ 123 Hz PL at 8 pm	16	17
18-ARPSC @ 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	19	20 ARES net 146.620+ 100 Hz PL at 8 pm	21	22 ARES net 442.750+ 123 Hz PL at 8 pm	23	24
25--ARPSC @ 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	26	27 ARES net 146.620+ 100 Hz PL at 8 pm	28	29 ARES net 442.750+ 123 Hz PL at 8 pm	30	31

Also- January 11 is Hazel Park Swap Meet,  
see page 9 for details.





# SIGNAL

146.980 - 600 kHz

444.825 + 5 MHz

## WEXAUKEE AMATEUR RADIO CLUB

*Here is the net schedule for KD8EOA's new club "up north".*

*Maybe he could be caught on the 10 m net mentioned.*

Fall Edition

### Nets

Thursday nights at 8pm on frequency 146.980, except for 1st Thursday of the month (meeting night).



10 meter net on Monday nights at 8pm on 28.310 or 28.305 (if QRM)

## Public Service Event Schedule



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

**Skywarn training - 16 April 2015**

**Memorial Day Op CARE - 22 to 25 May 2015 (TBC)**

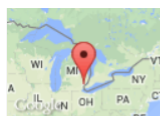
**Big Fish Triathlon - 31 May 2015**

**July 4<sup>th</sup> Op CARE - 02 to 05 July 2015 (TBC)**

**Atwood - 19 July 2015**

**Crim - 22 Aug 2015**

**Labor Day Op CARE - 04 to 07 Sept 2015 (TBC)**



HAMFEST/CONVENTION

**01/11/2015 | Hazel Park ARC Swap**

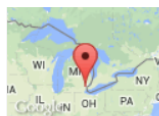
**Location:** Hazel Park, MI

**Type:** ARRL Hamfest

**Sponsor:** Hazel Park Amateur Radio Club

**Website:** <http://hparc.org>

**Learn More**



HAMFEST/CONVENTION

**02/15/2015 | Livonia ARC Swap-N-Shop**

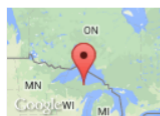
**Location:** Livonia, MI

**Type:** ARRL Hamfest

**Sponsor:** Livonia Amateur Radio Club

**Website:** <http://www.livoniaarc.com/index.php?page=swapshop>

**Learn More**



HAMFEST/CONVENTION

**02/07/2015 | HARA Swap and Shop**

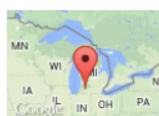
**Location:** Negaunee, MI

**Type:** ARRL Hamfest

**Sponsor:** Hiawatha Amateur Radio Association

**Website:** <http://www.qsl.net/k8lod/>

**Learn More**



HAMFEST/CONVENTION

**03/14/2015 | Michigan Crossroads Hamfest and Radio Swap**

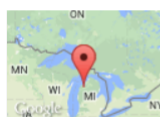
**Location:** Kalamazoo, MI

**Type:** ARRL Hamfest

**Sponsor:** Southern Michigan Amateur Radio Society

**Website:** <http://www.w8df.com/hamfest>

**Learn More**



HAMFEST/CONVENTION

**02/14/2015 | 42nd Annual Amateur Radio Swap & Shop**

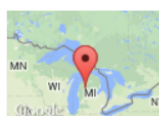
**Location:** Traverse City, MI

**Type:** ARRL Hamfest

**Sponsor:** Cherryland Amateur Radio Club

**Website:** <http://www.cherrylandarc.com>

**Learn More**



HAMFEST/CONVENTION

**05/02/2015 | Cadillac Hamfest**

**Location:** Cadillac, MI

**Type:** ARRL Hamfest

**Sponsor:** Wexaukeee Amateur Radio Club

**Website:** <http://www.wexaukeearc.org/>

**Learn More**

# NWS information

## Mark your calendars

\*\*\* SKYWARN Training for 2015 has been scheduled for Thursday,  
April 16th at the Pix Theatre in downtown Lapeer \*\*\*

### Severe Weather 2014

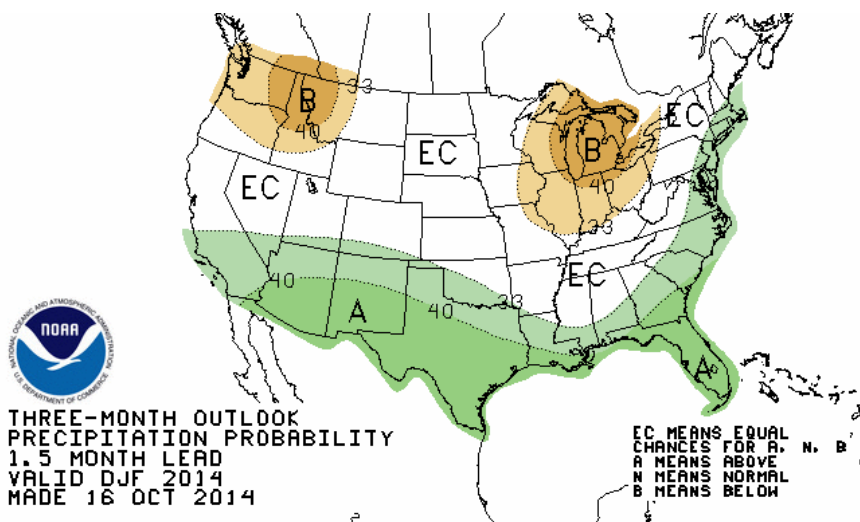
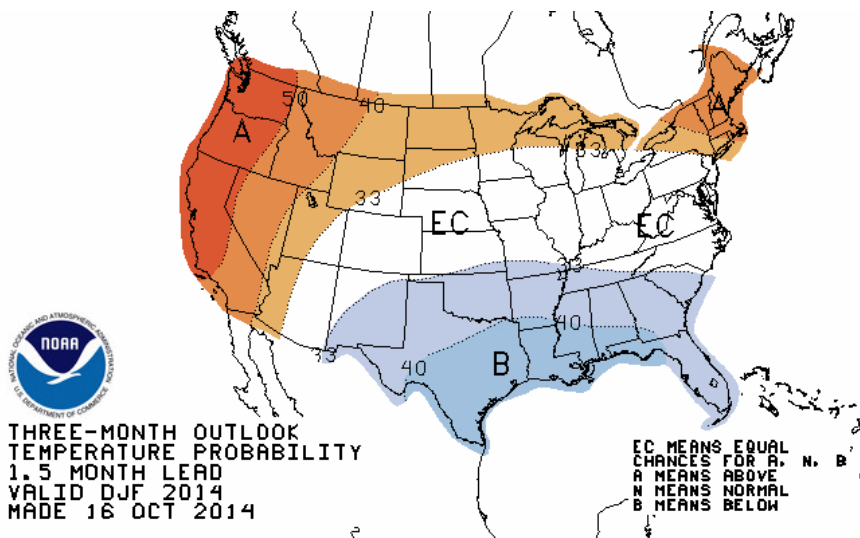
- Number of Severe Weather Days – Near Average
- Number of Distinct Events – Above Average
- 3 Tornadoes...average is 6
  - June 11, EF1 St. Charles
  - August 20, EF0 Macomb/Richmond
  - September 21, EF1 Rochester Hills

#### ■ 51 Significant Events

- 70+ mph, Golf Ball Hail, or EF1+ Tornado
  - April 12
  - July 1 Squall Line
  - July 27 Hail and Wind
  - September 5 Squall Line (400,000 power outages)

#### ■ August 11 Floods

- \$1.8 Billion in Damages
- Over 75,000 homes and businesses damaged



# Winter Safety Tips

## PREPARING FOR A WINTER STORM

### **At home:**

- Keep handy a battery-powered flashlight, National Oceanic and Atmospheric Administration (NOAA) weather radio and portable radio, extra food (canned or dried food is best), can opener, and bottled water (at least 3 gallons per person).
- Make sure each member of the household has a warm coat, gloves, hat and water-resistant boots. Ensure extra blankets and heavy clothes are available.
- Keep on hand items for infant, elderly or disabled family members.
- Keep on hand items for your pets. Animals feel the effects of wind chill. Be sure to have suitable shelter with food and water.
- Be aware of potential fire and carbon monoxide hazards if you plan to use an emergency heating source such as a fireplace, wood stove or space heater. (See Heat Sources Safety page later in this packet for more information.)

### **Outside:**

- Avoid overexertion, such as shoveling heavy snow, pushing a car, or walking in deep snow. Sweating could lead to chill and hypothermia, and abnormally low body temperatures. Cold weather also puts extra strain on the heart, so the elderly and those with heart conditions should be especially cautious when out in the cold.
- Walk carefully on snowy, icy sidewalks.
- Wear loose-fitting, lightweight warm clothing in layers, with a waterproof outer layer. Wear a wool hat and mittens.
- Keep your clothes dry. Change wet socks and clothing quickly to prevent loss of body heat.
- Understand the hazards of wind chill. As wind speed increases, heat is carried away from a person's body more rapidly which could lead to severe hypothermia.

### **Automotive preparedness:**

- Be sure the vehicle is winterized by late fall. This includes having the proper mix of antifreeze and water in the cooling system, topping off the windshield washing solution, and checking the tire treads. Have a mechanic check the belts, hoses, tires, battery, and coolant.
- Keep the fuel tank near full, as low fuel levels can cause condensation to form, degrading fuel quality and possibly causing the fuel line to freeze. Additionally, gas stations may be closed during a severe winter storm, so it is wise to fill up if storm warnings are being broadcasted.
- Your car should always be equipped with emergency supplies. Keep the following items stored in a portable container:
  - A small battery powered radio and extra batteries
  - Flashlight with extra batteries
  - Cellular phone
  - Windshield scraper
  - Jumper cables
  - Fire extinguisher
  - Maps
  - Shovel
  - Blanket and extra clothes
  - Flares
  - Bottled water and non-perishable, high energy foods (granola bars, canned nuts, raisins, hard candy, trail mix, peanut butter and crackers)
  - First aid kit
  - Tire repair kit and pump
  - Tow chain or rope
  - Phone book and phone list
  - De-icer and extra antifreeze
  - "Call Police" or other "Help" sign

*For additional preparedness tips, visit [www.michigan.gov/beprepared](http://www.michigan.gov/beprepared).*

## 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: Lee Dziekan N8LJ

### 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: Gordon Miller KD8TXW  
Net Manager: Tom Oliver KD8EBY  
Testing Coordinator: **Volunteer needed**  
County EC: Tom Oliver KD8EBY  
County AEC: Joe Medved KD8CIL  
County AEC: Kevin Boxey KB8TAR

