



# Waveguide

**W8LAP / r**

146.620 - 100 Hz

442.750 + 123 Hz

**Lapeer County Amateur Radio Association**

Club Founder: Hollis Hayes W8ACD

Edition for **September 2013**

***\*\*The next regular club meeting will be held on  
Tuesday, September 10th, 2013 @ 6:00 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](mailto:kevinboxey@hotmail.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*

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### The Trustee Says:

Since being assigned as the club call trustee, a great deal has occurred, relative to the primary use of the club call - W8LAP. This use is in the Club's repeaters on 146, and 442 MHz

A repeater tech team was formed, shortly after the repeater site went down, in July, caused by high energy entering the repeater shack from nearby lightning events. This destroyed the main exterior disconnect and telephone connection boxes. Internally, the charger for the backup battery, 2 meter packet radio, PolyPhaser surge suppressor, and several pieces of electrical and telephone hardware were also ruined. All except the packet radio have been replaced.

Additionally, the 2 meter repeater controller required repair (several failed integrated circuits) at the CATAuto facility in Florida.

The tech team determined that a contributing cause of damage was an unequal distribution of energy, between the shack ground and Edison neutral. Measures to reduce this at the next high energy event are in place. The power fusing philosophy was also reviewed, and changes made, to reduce the amount of unwanted energy entering the shack.

The tech team has met at the repeater shack weekly, since July, to work on the above items, and discuss engineering updates to shack hardware.

One item that persists is the 2 meter controller changing states in passing incoming signals to the output. The team sets the proper codes for normal operation, and the controller performs as it should for several days. Without warning, the controller becomes unresponsive to incoming signals. The team determined that certain processor codes were changing. We haven't determined whether these changes are spontaneous, or operator-induced, but are narrowing the possibilities. In the process of determining the sporadic changes, we found an issue with the sub-audible (PL) decoder on the input side. Checks of the PL are being conducted this week (August 19).

We are always looking for tech team members. If you would like to participate, or just learn more about how your repeaters work, contact me at kn8z (at)arrl.net, and I'll put you on the mailing list.

Several members have contributed a great deal to bringing the repeaters back on line. Steve (Insert call), for replacing the destroyed disconnect in short order, and Bill (KD8VP) for ordering parts and material, making tactical phone calls, paying bills, and handling the extra paperwork. Furthermore, the efforts of Will (KB8YGA), and Lee (N8LJ) are invaluable in getting the repeaters back to normal operating, and steering toward improvements.

73,

Mike, KN8Z

### The Secretary Says:

Our August meeting was held in the park. Do not forget that September is the nomination of officers and elections. Just a reminder that it is dues time in October for next year.

Flo KC8CAB

## *Editorial Section*

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### The President Says:

Hello everyone,

Well we were supposed to nominate next year's officers at the August meeting but since we were outside having fun I completely forgot. So, the first item of business at the September meeting will be nominating and voting on the 2013-2014 officers.

Next, due to home QTH relocation, we have lost valued members of the club. Tom (KD8EOA) and Sandy Adams have moved to the Petoskey area. Tom and Sandy put in many hours at Operation CARE and also Tom routinely was net control for the Thursday night 440 net. Tom was on the net August 20<sup>th</sup> on his way out of town and expressed gratitude for all of the comments for them during the net. So we wish Tom and Sandy all the best.

So, as a result of Tom moving away we are now in desperate need for more net control operators. It is simple and easy to do and if you miss one the world does not stop turning. Please assist the club in maintaining a consistent net schedule and improve your operating skills at the same time.

We have 2 presentations coming up in September and October. Lee, N8LJ is going to tell us about one of his adventures at the September meeting and Will, KB8YGA will enlighten us on 2.4 GHz communication using Linksys routers. Both of these presentations are great examples of club members sharing their knowledge and experience with the other members. So please raise your hand and give a talk at a club meeting on your area of expertise.

I thought we could try something different during one of the 440 nets each month and turn it into a packet net. For those of you that already know packet this could be done by everyone on the net in the "unconnected" state where text is typed and sent in real time. Everyone on the air can see everyone else's transmission - just like voice I suppose. Anyway, look for the schedule in the Waveguide calendar.

OK that's enough for now. See you at the meeting in September.

Kevin KB8TAR

### The Treasurer Says:

Hello to one and all. I am seeing signs of fall approaching very fast. Are you already for winter? Have all your antenna work done? Well I don't either. I don't know where the summer has gone, or why it went so fast. Oh well that's life.

As some of you are aware the repeater shack took a lightning strike back in July that took the repeater down for a short while. Thanks to the fast work of our new repeater trustee, Mike Zedan, Lee Dziekan, and Will Stanton, it was only down for a minimal time. But we did incur some expenses, in the neighborhood of \$256.00. Only about quarter of those expenses were covered by our insurance policy, and we do have a \$50.00 deductible, so it was decided, at least for now that we won't turn in a claim. But that is what our treasury is for, operating expenses.

That said, the treasury is still in good shape, for now. However, Operation Care for Labor Day is coming up fast. So Please sign up to help out, so that the donations we receive from keeping it open longer will bolster our coffers.

Thank You one and all.

Respectfully,

William Miller KD8VP Treasurer

2013 2013 2013 2013 2013 2013 2013 2013 2013

September						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 	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 LTZ test 1:00 pm
8 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	9	10 LCARA club meeting 7:30 pm at the EOC	11	12 Packet net on 145.03 MHz at 8:00 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 -GCRC license test Baker College, rm S-103 9:30 am
22 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm	23	24 ARES net 146.620+ 100 Hz PL at 8 pm	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					
Phases of the moon: 5: ● 12: ◐ 19: ○ 26: ◑						
Holidays and Observances: 2: Labor Day						

October						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 ARES net 146.620+ 100 Hz PL at 8 pm	2	3 ARES net 442.750+ 123 Hz PL at 8 pm	4	5 LTZ test 1:00 pm
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Phases of the moon: 4: ● 11: ◐ 18: ○ 26: ◑						
Holidays and Observances: 14: Columbus Day (Most regions), 31: Halloween						

2013 2013 2013 2013 2013 2013 2013 2013 2013

## *Swap schedule*

Sep 8 - Findlay Hamfest, Findlay, OH - WA8EFK, KI8GW  
 Sep 21 - Central KY Hamfest, Richmond, KY - KY4Z  
 Sep 22 - Cleveland Hamfest & Computer Show, Berea, OH - **\*\***(QSL CHECKING) - K8JE, KI8GW  
 Oct 5 - Straits Area Hamfest, Petoskey, MI  
 Oct 5 - Vette City Hamfest, Bowling Green, KY - KY4Z - **\*\***(QSL CHECKING) - KY4Z  
 Oct 6 - USECA Hamfest, Madison Heights, MI  
 Oct 19 - Muskegon Color Tour Hamfest, Muskegon, MI - K8JE, WB8R  
 Oct 20 - Kalamazoo Hamfest, Kalamazoo, MI - K8JE, WB8R  
 Dec 8 - LCARC Hamfest/Swap, Harrison Twp., MI



### 2013 Community Service Calendar

Labor Day Op CARE - 30 Aug-02 Sept 2013

*Please keep these dates open in your calendar  
 (\*\* outside county help requested)*



*Don't forget to join your fellow hams on the **Tuesday** night net at 8:00 pm on 146.620 - with 100 Hz PL*



## 2013 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 6<sup>th</sup>  
 Saturday, May 4<sup>th</sup>  
 Saturday, June 1<sup>st</sup>  
 Saturday, July 6<sup>th</sup>  
 Saturday, August 3<sup>rd</sup>  
 Saturday, September 7<sup>th</sup>  
 Saturday, October 5<sup>th</sup>

**All Tests Will Be Held At 1:00PM**

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*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.*  
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## Stuff for Sale

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MFJ-945E tuner for sale, \$80. Contact Dick at [KC8VHA@GMAIL.COM](mailto:KC8VHA@GMAIL.COM)

ICOM IC-7000 SN#0502663 with Simplex power supply & SM 20 desk mic, original instruction manual. Owned since new. \$850.00  
W8NCJ 810-441-3601

*If you have something to sell please send an email with the details to [kevinboxey@hotmail.com](mailto:kevinboxey@hotmail.com) to be included in the Waveguide listing*



*Please join your fellow hams on the **Thursday** night net at 8:00 pm on 442.750 + with 123 Hz PL*



**Operation**  
**C A R E**  
combined accident reduction effort

*Please sign up for your Labor Day Operation CARE shift as soon as possible!*

## *Training announcement*

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### **KENT COUNTY SEARCH AND RESCUE: GROUND SEARCH AND RESCUE TRAINING**

#### **Ground Search and Rescue Operations**

Saturday September 21st, 2013 9:00AM - 2200

Sunday September 22nd, 2013 9:00AM -1600ish

**\*\* (Times are subject to change with instructor availability) \*\***

Cost: \$30.00 per Person – Checks Payable to KCEST

**\*\*\*\*2012 Curriculum\*\*\*\***

Topics Include:

Intro to Land Navigation

Search Equipment

Search Techniques

Night Search Techniques

Course Meets or Exceeds NFPA & NIMS requirements for Wilderness SAR

Pre Requisite Incident Command System (FEMA IS-100 & IS-200)

Location:

Kent County, MI

**\*\* You will need to attend all days/times for certification**

**\*\* There will be a limit of 30 participants in the GSAR operations training**

**\*\* Must be in reasonably good physical shape for field operations part**

To sign up:

<http://vrm.cc/saro>

# *Training announcement*

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The following trainings are being hosted by Kent County Search and Rescue and are open to the public:

Fortune bay expedition team's instructors are highly trained and very capable in all aspects of outdoor skills courses. Many FBET members are also members of Kent County Search and Rescue and several are nationally certified Search and Rescue Technicians and Evaluators. You will not be disappointed to take a course from FBET.

**(These courses are open to the public. You do NOT have to be affiliated with a Search and Rescue group to take the course.)**

Kent County Search and Rescue members should register through KCVRM or through [training@kentcountysar.org](mailto:training@kentcountysar.org). All Public participants should use the following links:

For more information please visit:

<http://www.kentcountysar.org/training-classes>

[http://www.fortunebay.org/?page\\_id=20](http://www.fortunebay.org/?page_id=20)

09/14/2013	<a href="#">Technical Rope Rescue (TSAR1-TSAR3)</a>
10/19/2013	<a href="#">Land Navigation and Orienteering (LN1-LN3)</a>
10/19/2013	<a href="#">Night Land Navigation Evaluation (LN4)</a>
10/20/2013	<a href="#">Survival and Improvisation (SS1-SS2)</a>
11/09/2013	<a href="#">Outdoor and SAR Leadership (LEAD1)</a>

## *Training announcement*

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### **Ham in a Day – October 6th 2013 (HIAD)**

#### **Technician Only**

Sponsored by: Kent County Radio Amateur Civil Emergency Service

#### **Description**

No technical knowledge or Morse code requirements are needed. This class is for anyone who would like to obtain their technician level amateur radio license. More than 1000 people have taken this class and passed! The class consists guided study sessions and hourly breaks followed by the FCC testing session.

\*\*This class uses memory retention.

People who have concentration issues or a learning disability may not do well in this type of class.

#### **Dates & Times**

October 6th 2013

13:00 – 18:00 Study Sessions - Tech

18:00 – 20:00 Testing Session

#### **Cost**

\$40.00 (includes FCC test fee)

#### **Registration**

<http://vrm.cc/hiad>

Bring a legal photo ID such as a Drivers License or Passport

If no legal photo ID is available then bring 2 pieces of photo ID.

No Walkin's You must RSVP!

Anyone 16 years old or younger must have a parent or legal guardian present for the entire session.

#### **Location**

Kent County Sheriffs Department EOC Room

701 Ball Ave NE, Grand Rapids, MI 49503

#### **Questions**

hiad@kcest.org

## *Training announcement*

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### **Wilderness Search & Rescue Search Manager Course (SARM)**

Sponsored by: Kent County Search and Rescue  
[www.kentcountysar.org](http://www.kentcountysar.org)

Presented by: Anthony Marzano,  
Emergency Management Director  
Brunswick County, North Carolina

Topics Include:

Search Management  
Resource Management  
Incident Command Issues  
Search Planning

Course Meets or Exceeds NFPA & NIMS requirements for Wilderness SAR

Dates / Times / Pre-Requirements:

Pre Requisite Search and Rescue Initial Operations Lecture or NASAR ST3:  
(Information will be available if you need the course upon confirmed registration)  
Should also have understanding of Incident Command System (FEMA IS-100 & IS-200)

Search Management Class Session 1: Saturday November 9th 9:00 AM – 5:00 PM  
Search Management Class Session 2: Sunday November 10th 9:00 AM – 5:00 PM

Location:

Kent County Sheriffs Department EOC Room  
701 Ball Ave NE 49503

To Register: <http://vrm.cc/kcsarm>

## 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

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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: Joe Medved KD8CIL  
Repeater Assistants: KC1BUD, KD8EBY  
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

