

Waveguide

W8LAP / r

146.620 - 100 Hz
442.750 + 123 Hz

Lapeer County Amateur Radio Association

Club Founder: Hollis Hayes W8ACD

Edition for **February 2013**

*****The next regular club meeting will be held on
Tuesday, February 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 all. I had the opportunity to give a presentation on amateur radio to the Young Marines group here in Lapeer in January. The age spread was quite large, all the way from 8 to 18 years old. The age gap presented a bit of a challenge. The kids sat and listened and then asked questions for 20 minutes. The commander said the length of the question period meant they were interested. So I guess it was a success.

We have permission now to install a station back into the basement of the EOC. We procured an equipment cabinet from an MSP location in Lansing a while ago now and the radios are going to be installed into it. It is not a perfect situation but it will provide a secure way to mount the gear and store it.

Do any of you know about the digital modes on HF? Or I guess the question is more related to the program Fldigi. It turns out to be quite complicated and confusing at least to me. Any direction someone could offer would be greatly appreciated. That's all for now.

See you at the February meeting.

Kevin KB8TAR

The Trustee Says:

The 70 cm repeater has been acting up when run for a period of time, such as, the Thursday 440 net. Bill graciously checked it out late last year and found a poor power connection which he fixed and it seemed to solve the problem. The 440 repeater started acting up again in the last few weeks and I finally got it to act up while I was in the shack on the 19th. It seems that the issue was again the dropping of voltage when the Master II radio was run for a more than just a short transmission. I have had this problem with some Molex (telephone style plugs) on some YAESU radios which caused the radios to shut down as soon as you try to transmit (which draws significantly more power than receive). In the case of the 440 repeater, the problem appears to be the connection to the back of the Master II radio and not the connection to the Power Pole connectors to the Power Pole connector strip. I didn't have a new connector for the power cord to the Master II. However, the connector pins were cleaned and coated with silicon dielectric grease and this seemed to cure the problem for now.

Both the 2 meter and 70 cm repeaters were checked and seem to be working ok. The heater in the shack was set to 55 degrees Fahrenheit and the thermostat is keeping the temperature just under 50 degrees.

Joe KD8CIL

Editorial Section

The Treasurer Says:

Greetings to one and all. As I write this on the 22nd of January that started out at minus 3 degrees, I sure wish that I had put that new tri-bander up on the tower back in December when the weather was balmy. Oh well that too will wait for better weather. I at least have my dipole to work off of. I let old timers disease catch me off guard back in December and missed the Christmas gathering at the local restaurant. What a shame, I hear it went very well. Also it didn't cost the club a dime.

Anyway, I digressed for a moment. I am here to let you know about the treasury of LCARA, not to whine about the weather. The treasury for the months of December and January were very uneventful. Other than the usual electric and phone bills for the repeater, there were no bills and we only took in dues for one member. That is typical for this time of year. Paid up membership is down for this time of year, and I encourage all of you to pay your dues to further the cause. Toward the end of February and the beginning of March I will have to pay the two insurance payments for the year. That is a big \$400 hit on the treasury. So please think about paying those dues. With that said, I wish you all a Happy New Year. Stay warm and come and say HI at the February meeting back in the 911 basement.




Respectfully,
William Miller KD8VP Treasurer




The Secretary Says:

The meeting was called to order at 7:30 with the Pledge of Allegiance to the Flag and introduction of members and guest. There was no hospital report. Kevin, KB8TAR is adding service events for the year. The November minutes was read by Flo, KC8CAB. The minutes were accepted by Jamie, KC8PMW and seconded by Dan, KC1BUD. There were no minutes for December as we had a Christmas party. The Treasurers report was given by Bill, KD8VP. The report was accepted by Tom, KD8EOA and seconded by Dan, KC1BUD. Joe, KD8CIL checked the connections on the antenna. They were ok. EC report was given by Tom, KD8EBY. Another D3 exercise is January 19th. No Vice President report. Old business: Will talk to Boy Scout troop 214 on helping on Operation Care. There will be no Skywarn Class this year. New business: Kevin, KB8TAR will be giving a presentation on Ham radio to the Young Marines on January 22 at 6 p.m. Break was from 8:00 to 8:15. A presentation on A Go Box was shown. 50/50 was won by Dan, KC8BUD. A motion was made by Jamie, KC8PMW and seconded by both Tom, KD8EOA and Dan, KC1BUD to close the meeting at 8:25.

Flo KC8CAB

2013 2013 2013 2013 2013 2013 2013 2013 2013

February						
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	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 SWAP - Livonia, MI	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 - NTS message training 8-12 noon at EOC
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  DXpedition Belize	28  DXpedition Belize ARES net 442.750+ 123 Hz PL at 8 pm		
Phases of the moon: 3:☉ 10:☿ 17:☽ 25:☽						
Holidays and Observances: 14: Valentine's Day, 18: Presidents' Day						

March						
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  DXpedition Belize	5  DXpedition Belize ARES net 146.620+ 100 Hz PL at 8 pm	6	7 ARES net 442.750+ 123 Hz PL at 8 pm	8	9
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31 -ARPSC @ 5:00 pm on 3.932 -D3 net 145.31+ 131.8 Hz PL at 6:30 pm						
Phases of the moon: 4:☉ 11:☿ 19:☽ 27:☽						
Holidays and Observances: 31: Easter Sunday						

2013 2013 2013 2013 2013 2013 2013 2013 2013

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



NET CONTROL SCHEDULE

KD8EBY - 29 Jan 2013
KD8EOA - 05 Feb 2013
MEETING - 12 Feb 2013
KB8TAR - 19 Feb 2013
KD8EBY - 26 Feb 2013



2013 Community Service Calendar



Memorial Day Op CARE - 24-27 May 2013 (TBC)
Big Fish Triathlon - 08 June 2013
July 4th Op CARE - 3-7 July 2013 (TBC)
Otter Lake Triathlon - 14 July 2013
Crim 10 mile race - 24 Aug 2013
Labor Day Op CARE - 30 Aug-02 Sept 2013

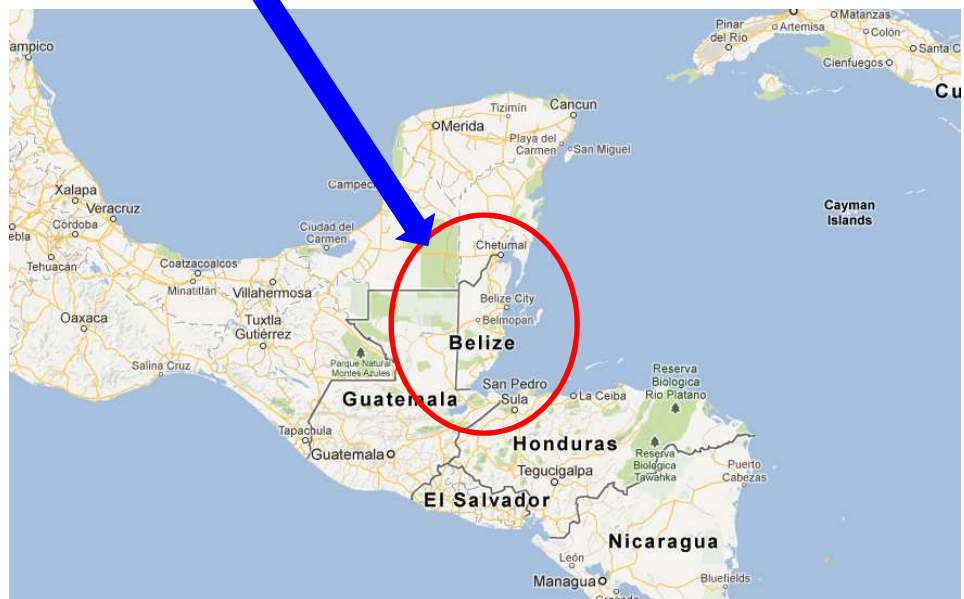
*Please keep these dates open in your calendar
(* * outside county help requested)*

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

Tom KD8EOA



DXpedition to Belize



Belize V31 Operators N8LJ, AC8W, and KB8TXZ plan to be QRV as V31LJ, V31AC, and V31VJ from February 27 through March 5, 2013.

This will include a multi-single entry into the ARRL DX SSB contest.

Activity will be on 160m to 6m using CW RTTY and SSB.

QSL V31LJ via K8ESQ

QSL V31AC and V31VJ via KB8TXZ.

You may use this information for ARRL, Daily DX and other publications.

Sincerely,
Lee Dziekan V31LJ
N8LJ

Swap schedule

Jan 27 - TUSCO ARC Hamfest, Strasburg, OH
 Feb 2 - HARA Swap and Shop, Negaunee, MI - WB8R
 Feb 3 - Winter Hamfest, Elyria, OH
 Feb 3 - NOARS Hamfest, Lorain, WA8EFK, KI8GW, OH Cabinet
 Feb 9 - 39th Annual Swap & Shop, Traverse City, MI
 Feb 17 - Mansfield Winter Hamfest, Mansfield, OH -- WA8EFK, OH Cabinet
 Feb 17 - Livonia 42nd Annual Swap & Shop, Livonia, MI -- WB8R
 Mar 2 - Cave City Hamfest, Cave City, KY - KY4Z
 Mar 16 - 2013 Crossroads Hamfest, Marshall, MI -- WB8R
 Mar 17 - TMRA Radio/Computer/Electronics Hamfest, Perrysburg, OH
 Mar 23 - MOVARC Ham Fest, Gallipolis, OH - OH Cabinet
 Apr 6 - ITARC Ham-Fest, Elizabethtown, KY - KY4Z
 Apr 13 - Cuyahoga Falls Hamfest, Cuyahoga Falls, OH
 Apr 28 - Athens Hamfest, Athens, OH - K8JE, KI8GW
 Jul 27 - CMARC Trunk Sales, Lansing, MI - WB8R
 Jul 28 - Portage Hamfair, Randolph, OH - WA8EFK, KI8GW
 Sep 8 - Findlay Hamfest, Findlay, OH - WA8EFK, KI8GW
 Sep 21 - Central KY Hamfest, Richmond, KY - KY4Z
 Oct 5 - Straits Area Hamfest, Petoskey, MI
 Oct 5 - Vette City Hamfest, Bowling Green, KY - KY4Z
 Oct 19 - Muskegon Color Tour Hamfest, Muskegon, MI - K8JE, WB8R
 Oct 20 - Kalamazoo Hamfest, Kalamazoo, MI - K8JE, WB8R

NTS training scheduled

We have scheduled 3 Saturday dates at the EOC for some NTS message handling training. All you will need is a pen to write with as the materials will be passed out. It should be good practice for anyone interested in emergency communications. I hope to see you there.

23 February from 8 am - 12 noon
 23 March from 8 am - 12 noon
 20 April from 8 am - 12 noon

Kevin KB8TAR



The American Radio Relay League
 RADIOGRAM

Via Amateur Radio

Number	Precedence	HX	Station of Origin	Check	Place of Origin	Time Filed	Date
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To:

This Radio Message was received at:

Amateur Station _____ Date _____
 Name _____
 Street Address _____
 City, State, Zip _____

Telephone Number:

REC'D	From	Date	Time	SENT	To	Date	Time
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A licensed Amateur Radio operator, whose address is shown above, handled this message free of charge. As such messages are handled solely for the pleasure of operating, a "Ham" Operator can accept no compensation. A return message may be filed with the "Ham" delivering this message to you. Further information on Amateur Radio may be obtained from ARRL Headquarters, 225, Main Street, Newington, CT 06111.

The American Radio Relay League, Inc. is the National Membership Society of licensed radio amateurs and the publisher of QST Magazine. One of its functions is promotion of public service communication among Amateur Operators. To that end, The League has organized the National Traffic System for daily nationwide message handling.

Training Announcement

Ham in a Day – February 10th 2013 (HIAD)

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

February 10th 2013

13:00 – 18:00 Study Sessions

18:00 – 20:00 Testing Session

Cost

\$30.00 (includes FCC test fee)

Registration

<http://yrm.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.

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

KENT COUNTY SEARCH AND RESCUE: GROUND SEARCH AND RESCUE TRAINING

Ground Search and Rescue Operations

Saturday April 27th, 2013 9:00AM - 2200

Sunday April 28th, 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

Wilderness Search & Rescue Search Manager Course (SARM)

Sponsored by: Kent County Search and Rescue
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 February 17th 9:00 AM – 5:00 PM
Search Management Class Session 2: Sunday February 18th 9:00 AM – 5:00 PM

Location:

Kent County Sheriffs Department EOC Room
701 Ball Ave NE 49503

Cost:

\$80.00

RSVP @ <http://vrm.cc/kcsarmfeb2013>

Other important information provided with registration confirmation

\$\$\$

Stuff for Sale

\$\$\$

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



Livonia Amateur Radio Club

Talk-in
145.35 with 100 PL
or 146.52 Simplex

42nd

GREAT
VENDOR
ACCESS

ANNUAL

SWAP-N-SHOP

Buy and Sell Amateur Radio
Gear, Computers, or
Electronic Test Equipment



Civic Park Senior Center
15218 Farmington Rd.
Livonia, MI

(SE corner of Farmington
Rd. and 5 Mile Rd.)

Livonia ARC
P.O. Box 51532
Livonia, MI 48151-0532
www.livoniaarc.com

Call (734) 941-5043

or e-mail us at k8uns@arrl.net

Sunday, February 17, 2013 8:00am - 12:00pm



*Lots of Tables
(8' tables for \$16 each
if paid in advance or
\$20.00 if available and
paid at the door)

*Door Prizes

*Food Concession

*Tickets \$5.00

Static electricity may be key to predicting earthquakes

A rise in static electricity below the ground could be a reliable indicator that an earthquake is imminent, say scientists who are now launching an experiment to predict quakes well in time to save thousands of lives.

Tom Bleier, a satellite engineer with QuakeFinder, has spent millions of dollars putting specialist measuring equipment - magnetometers - along fault lines in California, Peru, Taiwan, and Greece, the 'Daily Mail' reported.

The instruments are sensitive enough to detect magnetic pulses from electrical discharges up to 16 kilometres away, which could give people enough time to get to safety before a quake strikes. Scientists' theory is that, when an earthquake looms, activity below ground goes through a 'strange change', producing intense electrical currents.

"These currents are huge," Bleier said at a meeting of the American Geophysical Union (AGU) in San Francisco. "They're on the order of 100,000 amperes for a magnitude 6 earthquake and a million amperes for a magnitude 7. It's almost like lightning, underground," Bleier added. "In a typical day along the San Andreas fault, you might see ten pulses per day. The fault is always moving, grinding, snapping, and crackling," he told National Geographic News. Before a large earthquake, that background level of static-electricity discharges should rise sharply, Bleier said.

He claims he has seen this prior to half dozen magnitude 5 and 6 earthquakes whose precursors he's been able to monitor. "It goes up to maybe 150 or 200 pulses a day," he said. The number of pulses, he added, seems to surge about two weeks before the earthquake then drop back to background level until shortly before the fault slips.

There are hitches to the project, though - magnetic pulses could be caused by a lot of other things, ranging from random events within the Earth to lightning, solar flares, and electrical interference from highway equipment. Charged particles from deep below the earth migrate to the surface and impair the accuracy of the equipment, so special ion sensors have been added to the equipment.

The ion count can also be magnified by wet weather, so humidity sensors have also been added to rule out the possibility of false alarms. Starting this month, the team will start making forecasts. Other scientists are contributing laboratory analysis to support the magnetic field theory. Robert Dahlgren, an electrical engineer at the Search for Extra-terrestrial Intelligence Institute, squeezed rocks under high pressures to see if they produce electrical currents. He confirmed they indeed produce pressure-dependent current and voltage signals. But he found no discharges from rocks soaked in the type of brine found at earthquake epicenter depths, presumably because the salty brine short circuits the current.

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: Joe Medved KD8CIL
Repeater Assistants: KC1BUD, KD8EBY, KD8EOA
Skywarn Coordinator: Tom Oliver KD8EBY
Swap & Shop Chairpersons: Bill Miller KD8VP & Dan Bain KC1BUD
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

