

The Waveguide

Lapeer County Amateur Radio Association

PO Box 12, Hadley MI 48440-0012

<http://www.w8lap.com> | gso@w8lap.com



May 2017

Officers

President	Gerret Peters	KD8YUK
Vice President	Kevin Boxey	KB8TAR
Treasurer	William (Bill) Miller	KD8VP
Secretary	Lee Dziekan	N8LJ

Committees & Appointments

Club Call Trustee: Mike Zedan, KN8Z

Repeater Technical Team:

- Mike Zedan, KN8Z (Trustee)
- Lee Dziekan, N8LJ
- Will Stanton, KB8YGA

Meeting Refreshments: Bill Miller, KD8VP

Newsletter Editor: Daniel Peters, KE8CFI

Webmaster: David Erskine, KD8GXW

County EC*: Kevin Boxey, KB8TAR

- **SkyWarn AEC:** Tom Oliver, KD8EBY

Operation CARE: Tom Oliver, KD8EBY

- Mike Dzwilewski, KE8FHE

*Emergency Coordinator. AEC: Assistant EC

W8LAP Repeaters

2 Meter: 146.620 -100 Hz PL Tone

70 CM: 442.750 +123 Hz PL Tone

Next Club Meeting

Tuesday, May 9, 7:30pm

Meeting Location

Lapeer County EOC / Dispatch

2332 West Genesee Street

Lapeer, MI 48446

ARES Team Meetings

Third Wednesday of each month (See the club calendar section for specifics.)

ARES Nets

Tuesdays, 8pm, 2 Meter Repeater

All amateur operators are welcome to check in!

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Editorials

The President's Corner

May already! Our traveling hams are returning from warmer climates, Hamvention is just a few short weeks away, along with Memorial Day's Operation CARE volunteer opportunity. Just around the corner into June we'll have Field Day. The club is going to set up at my barn again this year, have some relaxing operation and camaraderie.

Thanks to **Mike Dzwilewski, KE8FHE** for offering to step up as the coordinator for Operation CARE as **Tom Oliver, KD8EBY** prepares to step down from his long tenure as captain of the event.

Under **Kevin Boxey, KB8TAR**'s leadership, the ARES (Amateur Radio Emergency Service) team had the opportunity to participate in the Lapeer County Simulated Emergency Test (SET). This was a full turnout event, and although we weren't directly involved with the first responders, we did interact with multiple agencies, including the Red Cross and the Lapeer County CERT team. This kind of interchange and exercise is exciting, and although I hope we are never needed in our emergency capacity, the team is making strong and steady progress in its capabilities.

Notes From the Desk of the Secretary

Lapeer County Amateur Radio Association
April 2017
Meeting Minutes

The meeting was called to order at 7:29 pm by President Gerret, KD8YUK. There were 21 members and guests present.

The presentation of the evening was a comparison of the competing FM digital voice technologies, Fusion, D-Star, and DMR, by Zak N8ZAK, as recorded by Will KB8YGA at the Toledo Mobile Radio Association (TMRA) Swap Seminar.

Hospital Report: Mike, KD8OTZ is on the mend

Secretary's Report: Approved by the membership present as reported in the Waveguide.

Treasurer's Report: Liability and Equipment Insurance bills paid. Report was approved by the membership present as read by our Treasurer Bill KD8VP.

Repeater Trustee Report: Mike KN8Z reports there may have been a power glitch that that triggered battery operation of the repeater for a time. The team is looking for a feasible

Internet connection. Scott N8VDU will check the Maple Grove School to see if it's possible for them to allow us a WiFi connection.

EOC Report: ARES team meeting Wednesday April 19th. Simulated Emergency Test (SET) practice session April 20th please participate using go kits and portable antenna set-ups. County SET scheduled for April 27.

General Announcements: Michigan QSO Party April 20th . Apr 22-23rd Michigan State Police 100th anniversary. Contact the state EOC on or about 3930, 7230, 14230 kHz. QSL's available. Hamvention in Xenia, Ohio May 19, 20, 21. The Arrow Club from Ann Arbor offering bus transportation.

Don't forget Operation CARE our Association's fundraiser will be active Memorial Day Weekend. Plan now to sign up for a time slot to participate. (<http://www.w8lap.com>)

Old Business: LCARA will sponsor and act as Liaison for the two State Parks in Lapeer County.

New Business: none

The 50/50 was won by Chris, KC8TWL. Meeting adjourned 9:00 pm.

Respectfully Submitted

Lee, N8LJ

Emergency Coordinator Report

Hello fellow LCARA members.

Well our Skywarn class this year was cancelled due to bad weather. It seems like this should be funny somehow, but I for one was looking forward to it. Maybe some of you caught the training in Genesee County or another of our neighbors.

The ARES group participated in the Lapeer County SET this year held on April 29th. The scenario was a tornado went through the Metamora-Hadley Recreation Area and caused all kinds of havoc. Some of the local school kids were involved by being the "victims". We were all freezing and these poor souls had to lay out on the ground until they were rescued. ARES was tasked with setting up a communication link between the county's COM bus and the location where the Red Cross was set up. Even though the professional responders did not have us pass any messages we were successful in functional phone and FLDIGI communication with no problem. I look forward to seeing some of the photos collected.

Remember to sign up Operation CARE for this coming Memorial Day.
Also as a reminder there will NOT be an ARES meeting in May.

See you at the club meeting.
Kevin KB8TAR

Portable Station
operated by Will,
KB8YGA and Mark,
KE8BYG
*Cold, windy, thankfully
no rain.*





Dual-ham station (Lee, N8LJ pictured, and Gerret, KD8YUK behind the camera. The served agency was kind and offered the hams shelter, hot coffee, and flush toilets. We're pretty sure they're not going to live it down any time soon.

Lapeer County
Communications Van
Kevin, KB8TAR spent time here
as the liaison to the served
agencies.



Lee, N8LJ copying digital-mode Radiogram using a netbook computer and the free FL-DIGI software. Note the hot cup of Tim Hortons coffee near to hand. The EmComm operator must remain alert at all times!

Club Items

Heard on the Wire

Solar Tracker Using Arduino and Raspberry PI 3

Contributed by Gerret, KD8YUK

<http://www.instructables.com/id/Solar-Tracker-Using-Arduino-and-Raspberry-Pi-3/>

Solar energy is the cleanest form of renewable energy which can be used to satisfy the growing need for energy while supporting sustainable development.

However, the use of solar energy can face certain problems. One such problem is that the position of the sun throughout the day varies. We can solve this problem by creating a solar tracker. A solar tracker is a device which tracks the position of the sun and alters the position of the solar panel to maximize the power output of the system.

ARRL Notice - New MF and LF Bands Not Yet Available

Contributed via Email from ARRL

ZCZC AG13

QST de W1AW

ARRL Bulletin 13 ARLB013

From ARRL Headquarters

Newington CT May 5, 2017

To all radio amateurs

SB QST ARL ARLB013

ARLB013 Important Notice - New MF and LF Bands are Not Yet Available to Use!

The new 630-meter and 2200-meter bands are not yet available for Amateur Radio use. The effective date of the recent FCC Report and Order (R&O) granting these allocations has not yet been determined, and until the start date has been set, it is not legal under an Amateur Radio license to transmit on either band.

The R&O can be found on the web in PDF format at,

https://apps.fcc.gov/edocs_public/attachmatch/FCC-17-33A1.pdf

The fact that the new rules contain a new information-collection requirement - notification of operation to the United Telecoms Council (UTC) - complicates the matter of determining

an effective date. According to the FCC R&O, the Office of Management and Budget (under the Paperwork Reduction Act) must first approve the information-collection requirements in Part 97.303(g)(2), which must be in place before radio amateurs can use the new bands.

Once that happens, the FCC will publish a notice in The Federal Register "announcing such approval and the relevant effective date."

ARRL will announce the UTC notification procedures and the effective date to use these new bands as soon as these are known.

NNNN

/EX

Calendar of Events

- External Event (not LCARA-sponsored)

A - ARES Team Event

Also see schedule of weekly nets on page 1.

May 2017

- 05/09, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation: A Photo Tour of the State Emergency Operations Center
- 05/20, Hamvention
 - ARROW Bus Trip (see below for more information and link to flyer)
- 05/19-21, Hamvention, Xenia OH
- 05/26-29, 8am-8pm, **Operation C.A.R.E.**
 - Rest Area I-69E, just past Wilder Road
 - 4-hour shift
 - Register to volunteer at <http://www.w8lap.com>

June 2017

- 06/13, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD
- 06/24-25, ARRL Field Day - LCARA will participate from KD8YUK's QTH again
 - More to come!

July 2017

- 07/xx - Dates TBD, 8am-8pm, **Operation C.A.R.E.**

- Rest Area I-69E, just past Wilder Road
- 4-hour shifts
- 07/11, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD

August 2017

- 08/08, 6:30pm - Club **Picnic**, Cramton Park, Lapeer MI
 - Presentation TBD
 - Officer Nominations Due

September 2017

- 09/01-04, 8am-8pm, Operation C.A.R.E.
 - Rest Area I-69E, just past Wilder Road
 - 4-hour shifts
- 09/12, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD

October 2017

- # 10/7-10/8, Great Lakes Hamcon, Michigan International Speedway, Brooklyn,MI
 - [Link to flyer](#)
- 10/10, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD

November 2017

- 11/14, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD

December 2017

- 12/12, 6:30pm - Club Holiday Dinner
 - Date + Location Tentative (same as club meeting)

Upcoming Hamfests

Excerpted from Dale's Tales for May 2017 (Dale Williams, WA8EFK, ARRL Director, Great Lakes Division)

May 13 - Ashland Hamfest - Ashland, KY

May 19, 20 & 21 - Dayton Hamvention - Xenia, OH

Jun 3 - IRA Hamfest - Hudsonville, MI

Jun 3 - Fulton County - Tedrow, OH

Jun 3 - Princeton Hamfest - Princeton, KY

Jun 4 - Chelsea Hamfest - Chelsea, MI

Jun 10 - Luce County - Newberry, MI

Jun 10 - Union County - Marysville, OH

Jun 17 - Milford Hamfest - Milford, OH

Jun 18 - Monroe Hamfest - Monroe, MI

Jun 24 & 25 - FIELD DAY

Jul 8 - GARS Hamfest - Germantown, OH

Jul 9 - 20/9 Tailgate - Austintown, OH

Jul 16 - Van Wert Hamfest - Van Wert, OH

Jul 22 - Harrison Hamfest - Harrison, MI

Jul 22 - GMARC Tailgate - Shelby Twp, MI

Jul 22 - Big Sandy Hamfest - Louisa, KY

Jul 29 - CMARC Outdoor Hamfest - Lansing, MI

Jul 30 - Portage Hamfest - Ravenna, OH

ARROW Hamvention Bus Trip

- Tickets are \$55 before April 1st and tickets go up in price to \$65 after April 1st
- Saturday May 20th, 2017
- Depart from the park-and-ride lot beside Ann Arbor Pioneer High School
- 4:00 a.m. arriving in Xenia around 8:00 a.m.
- [Link to website](#) for more information

LCARA Membership Application

Lapeer County Amateur Radio Association

Call Sign: License Class:	Name:
Address:	
City:	
State:	Postal Code:
Email Address:	
ARRL Member (Y/N):	ARES Member (Y/N):
RACES Member (Y/N) and Card #:	SKYWARN Member (Y/N) and Number:
Social Media Handles:	

L.C.A.R.A. Memberships are due annually on October 1st.

- **\$12** - Individual Membership
- **\$20** - Family Membership
- **\$4** - Associate Membership

Membership forms may be turned in to the Treasurer at a monthly meeting, or mailed to the club address:

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Hadley, MI 48440-0012