

The Waveguide



Lapeer County Amateur Radio Association

PO Box 12, Hadley MI 48440-0012
<http://www.w8lap.com> | qso@w8lap.com

MARCH 2017

Officers			W8LAP Repeaters
President	Gerret Peters	KD8YUK	2 Meter: 146.620 -100 Hz PL Tone 70 CM: 442.750 +123 Hz PL Tone
Vice President	Kevin Boxey	KB8TAR	Next Club Meeting Tuesday, March 14, 7:30pm
Treasurer	William (Bill) Miller	KD8VP	Meeting Location Lapeer County EOC / Dispatch 2332 West Genesee Street Lapeer, MI 48446
Secretary	Lee Dziekan	N8LJ	ARES Team Meetings Third Wednesday of each month (See the club calendar section for specifics.)
Committees & Appointments			ARES Nets Tuesdays, 8pm, 2 Meter Repeater <i>All amateur operators are welcome to check in!</i>
Club Call Trustee: Mike Zedan, KN8Z			
Repeater Technical Team:			
<ul style="list-style-type: none">• 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			
<ul style="list-style-type: none">• SkyWarn AEC: Tom Oliver, KD8EBY			
Operation CARE: Tom Oliver, KD8EBY			
Seeking New Coordinator			
*Emergency Coordinator. AEC: Assistant EC			

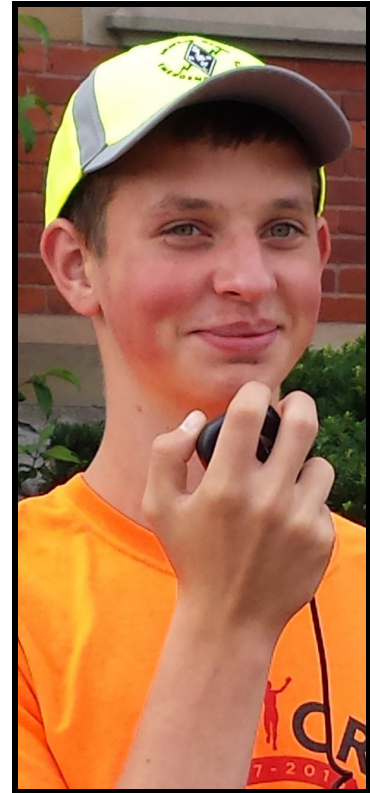
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Editorials

The President's Corner

Regular club meeting attendees may recognize the young gentleman to the right, as **Daniel, KE8CFI**, our youngest current member (at least, as far as I'm aware.) That's not all. Daniel also volunteered to take on editorial duties for the Waveguide, and this month's issue is the first to cross his publishing desk. I hope you'll join me in thanking him for his service to the club. KE8CFI is looking for interesting articles, content, and photographs to publish here in the Waveguide, which you are encouraged to send to editor@w8lap.com, thanks! Thank you, Daniel!



On to other business. The weather is starting to warm up, and that means people will emerge from their winter hibernations (at least, I will), and many will **head out into our state parks!** In 2019, Michigan State Parks will reach their 100th anniversary, and in partnership with the Michigan DNR, a special three-year radio event is beginning this April: **Michigan State Parks on the Air (MSPOTA)**. If you're interested in more detail, faster, the organizing group has both a Facebook group (<https://www.facebook.com/groups/MSPOTA/>) and a website. LCARA may be sponsoring the two state parks in Lapeer County (Ortonville and Metamora-Hadley), and we'll be discussing that during our March meeting. See the Club Items section for more info!

See you soon,

Gerret, KD8YUK

Notes From the Desk of the Secretary

- The meeting was opened with the pledge as led by KD8YUK.
- Introductions of the members assembled.
- Meeting minutes for the January 2017 meeting as shown in the Waveguide.
- Motion to approve the minutes as reported was approved KE8CFI and seconded by KE8FHE. Motion carried.
- The treasurer's report was given by KD8VP.
- Repeater trustee report was given by KN8Z. Everything is running well.
- Please see the full report in the Waveguide.

- The EC report was given by KB8TAR. The February ARES meeting will be held tomorrow night, 15 February at 7:00 pm. Skywarn for Lapeer County is scheduled for 20 April at 7:00 pm in the Pix Theater.
- Old business
 - The member survey KD8YUK is complete and the results are in and are listed in the Waveguide
 - Highest license class is extra at 40% of club membership.
 - 40% of club members are general class licensee holders.
 - Dozens of different topics are of interest to the members with EmComm, dx, and antennas being strongly represented.
 - Field Day is at KD8YUK's house again this year on June 24-25.
 - The new Waveguide editor is Daniel, KE8CFI. Thank you Daniel!
 - The club is recruiting for the 2018 Op CARE coordinator – Tom KD8EBY will train the new coordinator in 2017.
- New business
 - Field Day activities will need help with grill operation. A potluck dinner will be held on Saturday of FD weekend.
- Adjourn business meeting by KD8YUK.
- The club watched the video “AT&T Archives_ Similarities of Wave Behavior”

Emergency Coordinator Report

Hello fellow LCARA members.

The ARES calendar was busy this past February:

- We conducted 3 Tuesday night nets.
- At our monthly meeting on the 15th we learned about basic navigation and the UTM coordinate system.
- We visited the new MI SEOC facility in Dimondale on the 18th and had quite a tour.

Some of us attended a presentation on farm safety for first responders.

The new SEOC is an extremely impressive facility and it seems they have thought of every contingency. To borrow the state's phrase, "it is designed to be the last building standing in Michigan". I'm sure we will have a club meeting presentation on our adventures in the near future.

March will be another busy month. Of course we have our usual Tuesday night nets planned and we have an exercise scheduled for the 11th. Messages will be passed one way or the other. At our monthly meeting on March 15th we will hopefully be learning to integrate our

new knowledge of the UTM system with our GPS units and how we might apply these tools to ARES and SAR events. In addition, I will be attending a Public Officials Conference in Bay City at the end of March.

I hope this activity sounds interesting to you. The ARES team meets on the 3rd Wednesday of every month at 7:00 pm in the EOC - same place as the club meetings. We could really use your particular expertise in whatever area it lies.

73 for now.

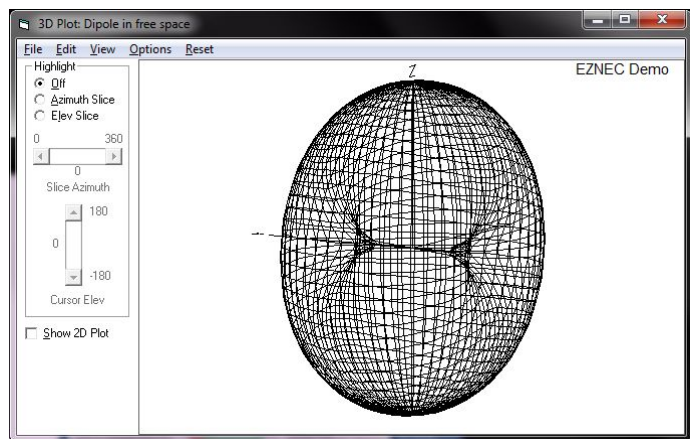
Kevin, KB8TAR
EC / RO Lapeer County

Club Items

March Presentation - Antenna Modeling Using EZNEC Software

Join us for a presentation by Gordon Miller, KD8TXW, as he walks through how to model several different antennas using the popular EZNEC Software.

Learn more about EZNEC here:
<https://www.eznec.com/>



In Memoriam / Silent Key

The club was just recently made aware of Jim's passing; please accept our apologies for the much-belated news.

James (Jim) Boyer, KD8YX



Mr. James Boyer, age 79, of Hastings passed away peacefully Wednesday, July 20th, 2016 peacefully at Thornapple Manor Hastings.

James was a licensed HAM radio operator, call letters KD8YX. He began learning how to use the HAM radio while in the Army, and continued to advance until he was fully licensed. His skills with the radio allowed him to talk to other operators all over the world.

Source: <http://www.danielsfuneralhome.net> (search past services)

Heard on the Wire

A selection of news items and interesting finds submitted by LCARA supporters. Contribute by sending your own finds to qso@w8lap.com.

Ethics and Operational Procedures for the Radio Amateur

An English take on good operating practices.

Contributed by Gordon Miller, KD8TXW

<http://thersgb.org/publications/iaru/ethics/ethics-and-operational-procedures-for-the-radio-amateur.pdf>

Basics of PIN diodes and their use in RF switch applications

https://www.youtube.com/watch?v=XpYsCM_Wf50

Contributed by Gordon Miller, KD8TXW

Michigan QSO Party

A short paper on about the QSO party on April 15th

<http://www.miqp.org/Download%20Files/MiQP%20For%20First-Timers.pdf>

<http://www.miqp.org/Download%20Files/MiQP%20Flyer.pdf>

The announcement for the QSO.

Contributed by Lee Dziekan, N8LJ

Teardown Tuesday: Baofeng Amateur Radio Transceiver

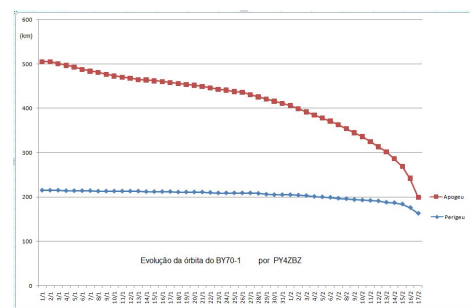
<https://www.allaboutcircuits.com/news/teardown-tuesday-baofeng-amateur-radio-transceiver/>

Contributed by Gerret Peters, KD8YUK

Chinese Cubesat BY70-1 Crashes to Earth

"The Chinese cube satellite BY70-1 failed to orbit correctly and returned to Earth in a permanent fashion on February 18, 2017 at 00:19 UTC +/- 3 minutes near 11 degrees South, 159 degrees West." (ARES team - what's that in UTM? -KD8YUK)

Contributed by Mike Bowman, KD8OTZ



Michigan State Parks on the Air

Begins April 2017. Two parks in Lapeer County are on the list for 2017 - Ortonville and Metamora-Hadly.

- 100+ Michigan State Parks & Associated Areas for 3 years of fun
- Parks activated in steps; approx 1/3 in each of 3 years
- One featured park in each region of the state will be active on a continuous basis throughout the event. The remainder will be active on a rotational basis over the 3 years
- Park access primarily in temperate months
- Winter access available in select parks
- Many parks to have Activator Kits staged to help promote the connection on-site between the park and amateur radio
- Most parks to provide park-specific QSL cards for chasers by SASE
- Opportunities exist for club sponsorship of parks
- Website to be available for information
- Activator Log Uploads, Chaser Leader Board, Awards Program, Honor Roll



Calendar of Events

- External Event (not LCARA-sponsored)

A - ARES Team Event

Also see schedule of weekly nets on page 1.

March 2017

March begins on a Wednesday, so the club meeting and ARES meetings are in the same week.

- 03/11, Lapeer ARES Exercise
 - Presentation TBD
- 03/14, 7:30pm - Club Meeting, Lapeer EOC
- A 03/15, 7:00pm - ARES Training, Lapeer EOC
- # 03/25, 10:00am-12:00pm - Skywarn Training, Genesee County

April 2017

- # Michigan State Parks on the Air begins
 - See information in this Waveguide for more details
- 04/11, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD
- A 04/19, 7:00pm - ARES Training, Lapeer EOC
- # 04/20, 7pm-8:30pm - Lapeer County SkyWarn / Tornado Class
Lapeer Pix Theater (downtown) No registration necessary. Additional Information about the SkyWarn class here:
https://www.meted.ucar.edu/training_course.php?id=23
- # 04/22-23, Michigan State Police 100th Anniversary Special Event

May 2017

- 05/09, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD
- 05/26-29, 8am-8pm, Operation C.A.R.E.
 - Rest Area I-69E, just past Wilder Road
 - 4-hour shifts

June 2017

- 06/13, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD
- 06/24-25, ARRL Field Day - LCARA will participate
 - Much 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

A tip of the microphone to Kevin, KB8TAR for passing this list along.

3/4/17 Cave City Cave City, KY

3/11/17 Lowell ARC Lowell, MI

3/18/17 Crossroads Kalamazoo, MI
3/18/17 MOVARC Gallipolis, OH
4/8/17 Cuyahoga Falls Cuyahoga Falls, OH
4/29/17 Jackson County Jackson, OH
4/30/17 Athens Athens, OH
5/6/17 Cadillac Cadillac, MI
4/22/17 Chassell Hamfest Chassell, MI

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:

Lapeer County Amateur Radio Association

P.O. Box 12

Hadley, MI 48440-0012