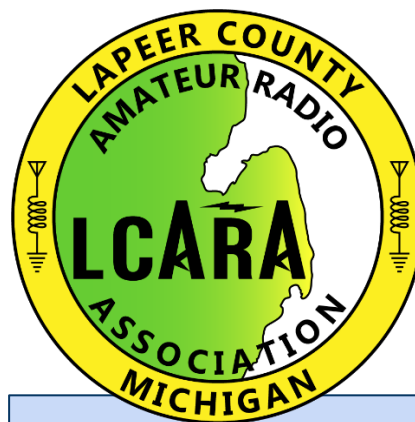


# The Waveguide

Lapeer County Amateur Radio Association

PO Box 12, Hadley MI 48440-0012  
<http://www.w8lap.com> | [gso@w8lap.com](mailto:gso@w8lap.com)



## July 2018

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#### W8LAP Repeaters

**2 Meter: 146.620 MHz**

-600 kHz offset / Analog FM - 100 Hz PL Tone

**70 cm: 442.750 MHz**

+5.00 MHz offset / Digital FM - D-STAR module B

#### Club Meeting

Second Tuesday of each month  
**Lapeer EOC Conference Room**  
**(Basement of Dispatch Center)**  
**2332 West Genesee Street**  
**Lapeer, MI 48446**

#### ARES Team Meetings

Third Wednesday of each month  
**Lapeer EOC Conference Room**  
**(Basement of Dispatch Center)**  
**2332 West Genesee Street**  
**Lapeer, MI 48446**

#### Regular Nets

Tuesdays, 8pm, 2 Meter Repeater  
*All amateur operators are welcome to check in. Controlled net, two-rounds. No net on club meeting nights.*

#### **Support W8LAP and LCARA!**

PayPal donations may be sent to [treasurer@w8lap.com](mailto:treasurer@w8lap.com)  
*Thank you for your continued support of Amateur Radio in our community!*



The latest edition of the Waveguide each month - delivered directly to your inbox!

Visit <http://www.w8lap.com/subscribe>

# Reports & Editorials

## President's Report

Hello LCARA Supporters!

This summer is a big one for Lapeer County Amateur Radio. You'll read more about these in other articles here, and to come, so here are a few summaries.

### D-STAR

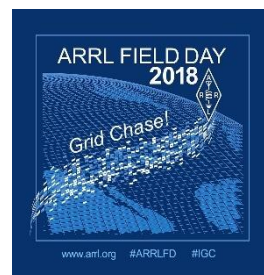
D-STAR has arrived in Lapeer County. The digital and repeater teams have been hard at work prepping the site to install the Icom UHF repeater. The D-STAR repeater is digital-only and will replace the existing repeater. The rationale for this is covered extensively in prior meeting minutes. The VHF repeater will remain analog and there are no plans to change that; your analog rigs will work on VHF for a long time to come.



If you haven't registered elsewhere for D-STAR, see the website <http://w8lap.com/dstar> for instructions. It's free, helps the club, and gets you ready to talk on D-STAR. We may even be scheduling some workshops to help members get up to speed on this new addition to the county.

### Field Day

Field Day was another success this year; over fifteen members participated and visited the Field Day Radio Barn, and we had more wire in the air than the past two years. Two new antennas were erected and tested with AB8XL's spectrum analyzer (what a cool tool!); my own scratch-built NVIS antenna, and a donated Butternut HF-6 antenna. Both antennas worked well!



We did get some feedback that Field Day could have been more publicized. We'll take that into consideration for next year and look to get the word out earlier. As the club's activity is certainly on an upswing, we want to be sure you have a chance to participate in these fun events.

## Upcoming Events

The summer and fall are both relaxed and exciting. The **July** meeting will have a discussion about D-STAR and a Recap of Field Day. The **August** meeting starts early (6:00pm) for the Picnic in the Park at Cramton Park in Lapeer, usually at the pavilion on the south side of the river. August is also when officer nominations are due for the 2018-2019 fiscal year. **September** we'll be voting on new officers, and in **October** those officers will be installed.

Again, my thanks to the volunteer operators working hard at bringing new technologies and opportunities to the club.

73,

Gerret, KD8YUK



Field Day 2018 – Some photos in the Waveguide – All available online!

LAPEER COUNTY AMATEUR RADIO ASSOCIATION  
CLUB PICNIC – AUGUST 14, 2018 @ 6:00PM

Crampton Park – City of Lapeer  
Bring a dish to pass and  
Any amateur radio gear you want to show off!

## Photos from Field Day 2018

The full album can be viewed online – visit: <https://www.facebook.com/groups/W&LAP/>



## Treasurer's Report

2018	Date	Lapeer County Amateur Radio Association June 2018 Financial Report Lakestone Bank		
		cash on hand - carry over	\$20.00	
Received	6/12/2018	50/50 Raffle - 46 Tickets sold	\$23.00	\$43.00
Received	6/12/2018	Coffee Donations	\$4.00	\$47.00
Received	6/24/2018	Field Day Donations	\$103.61	\$150.61
Paid	6/23/2018	Porta-john	-\$80.00	\$70.61
	6/12/2018	<b>Total Cash on Hand Balance:</b>		<b>\$70.61</b>
		<b>Checking Account balance June 2018</b>		<b>\$1,698.26</b>
Paid	5/31/2018	DTE - Auto Pay	-\$27.99	\$1,670.27
Paid	5/31/2018	Icom America - D-STAR Controller & Software	\$826.74	\$843.53
Received	6/5/2018	Donations via PayPal	\$200.00	\$1,043.53
Check #				
470	6/14/2018	Chance KE8EXY - Wi-Fi Equipment	\$100.00	\$943.53
Received	6/16/2018	Donations via PayPal	\$120.75	\$1,064.28
Received	6/28/2018	Membership dues - K8KZB & WA8MY	\$20.00	\$1,084.28
Paid	6/29/2018	DTE - Auto Pay	-\$24.88	\$1,059.40
		<b>Checking Account Balance:</b>		<b>\$1,059.40</b>
		<b>Lakestone Bank Certificate of Deposit</b>		
	4/17/2018	balance - June 2018		<b>\$5,851.39</b>
		This is a 2 year certificate started in January 2017, changes quarterly with earned interest		
<b>Balance of all funds:</b>				<b>\$6,910.79</b>
Respectfully Submitted by: PAUL ZUHLKE, AB8XL				

## Notes From the Desk of the Secretary

### Lapeer County Amateur Radio Association- Meeting Minutes - June 12, 2018

No Report Submitted

## EC/RO Report

Hello fellow LCARA members.

First, I would like to thank Mr. and Mrs. KD8YUK for hosting field day again this year. I know events at the house are loaded with work both before and after the event is through. I think we had more real estate used up this time with the antenna farm than in previous years.

Field day itself went wet - I mean well, although I don't know our final point total or total number of contacts. Once again, we were unable to make contact with the station in Hawaii although we could hear him well enough somewhere around midnight. A few of us tried PSK31 but the results were a little disappointing and contacts seemed to be difficult to finish due to the conditions on 20 meters.

On to business, there will be no ARES meeting for the month of July. I urge all ARES members to use this time to catch up on their equipment preparations.

As a side note the 13 colonies event is coming the week of July 4th. This is a rather fun event and a certificate is possible if the station in the UK will cooperate. Please see the website below for all of the details.

<http://www.13colonies.net/>

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### [13 Colonies Special Event](#)

2018 Event Dates / July 1 (9AM EST) to July 7 (Midnight EST) (July 1, 2018-1300 UTC to July 8, 2018-0400 UTC) The 13 Colonies Special Event enlisted one dedicated SSB/CW QRP operator for each state for the 2014 event and beyond.

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73 for now,

Kevin KB8TAR

EC / RO Lapeer County

## Web, Media, & D-Star Admin Report

Exciting times for LCARA and amateur radio!

We have many new ways to communicate about this great hobby, share ideas and projects with hams all over the world. Please familiarize yourself with the online resources available for you to use. The LCARA website (<http://w8lap.com>) has been completely updated to provide quick access to club information, our repeater system details, D-Star registration, online membership applications, and much more!



<http://w8lap.com> – LCARA Home Page

<http://w8lap.com/join> - Join or Renew your membership online

<http://w8lap.com/subscribe> - Subscribe to the Waveguide and received it via e-mail

<http://w8lap.com/waveguide> - Download the latest newsletter or read from our archives

<http://w8lap.com/donate> - Make a donation to help support LCARA

<http://w8lap.com/nets> - Schedule of weekly W8LAP nets

<http://w8lap.com/dstar> - D-STAR information, online resources, and registration

<https://www.facebook.com/W8LAP> - LCARA's Official Facebook page

<https://www.facebook.com/groups/W8LAP> - Discussion group with almost 100 members

<https://twitter.com/w8lap> - LCARA's Official Twitter account

From the D-STAR admin side of the desk – we've already successfully added 15 new D-STAR users to the W8LAP gateway! The repeater is scheduled to be installed by the repeater technical team over the next couple of weeks. We're looking forward to utilizing the UHF repeater and its new capabilities! Remember to register – <http://w8lap.com/dstar>

73,  
Scott  
N8XP

# Club Items

## Call for Presentations

Club meeting night is more interesting with presentations! If you have a topic you'd like to learn more about, or present, please contact any member of the board. The audience is easy to work with, and we can provide a projector. If you know someone who would be willing to present, put us in touch with them.

## Heard on the Wire

Random articles of interest found around the internet! If you find an interesting article you would like to share with the club – send an e-mail to [newsletter@w8lap.com](mailto:newsletter@w8lap.com) – thank you!



**2018 CMARC HAMFEST**

Holt Christian Church  
2424 Washington Rd. - Lansing, MI 48911  
(Between Holt and Willoughby Rds)

**Saturday, July 28, 2018 - 8 am - 1pm**  
(GPS Coordinates: N 42.652051 W -84.566214)

• Talk-in: 145.390 PL 100.0 • Handicap Accessible • Food & Drinks • Convenient Restrooms

The Central Michigan Amateur Radio Club is Pleased to Sponsor Our Annual Outdoor Hamfest.

Browse the wares of our featured vendors.  
Sell unneeded gear for extra cash!  
Find that perfect addition for your rig or shack.

**FLEA MARKET!**  
Featured Vendors:  
RF Adapter Guy  
Tennadyne Antennas

**VE TESTING!**  
Sponsored by the  
Ingham County VE Group  
11 am. Technician, General, & Extra  
Exams Walk-ins Welcome

**HF G.O.T.A. Station!**  
(Get On The Air)

**DELICIOUS FOOD!**  
Choose from Pulled Pork, Burgers, and Brats!

**ADMISSION:**  
Adults: \$5 • 15 & Under Free

**VENDORS/SELLERS:**  
\$10 per person (includes 1 trunk space)  
Additional spaces are \$10  
Vendor Set-up: 6am – 8am

**DOOR PRIZES!**  
Grand Prize will be a  $\mu$ Bitx Kit!  
Other prizes include products from:  
The ARRL, DX Engineering, Elecraft  
ICOM, The Wireman, MFJ Enterprises,  
RT Systems, CQ Magazine, Farcircuits,  
Palomar Engineers, Hamtest Online,  
Comet Antenna, Skillman Productions,  
and more!

Due to venue policy, no smoking is allowed on the premises  
For more information, contact Clyde, KB8PT, at 517-927-3801  
<http://www.centralmiarc.com>




**2nd Annual**

**GREAT LAKES HAMCON**

**MICHIGAN**  
INTERNATIONAL SPEEDWAY

**October 6 - 7, 2018**  
"It's gonna be great!"



LCARA  
LAPEER COUNTY  
AMATEUR RADIO  
ASSOCIATION  
MICHIGAN

Thank you!  
from W8LAP

The Lapeer County Amateur Radio Association wishes to thank the following generous donors who made possible the Icom D-STAR Digital UHF Repeater:

JSE Repair - <https://www.jse-repair.com/>  
Kevin - KB8TAR  
Dan - KC1BUD  
Mike - KN8Z  
Paul - AB8XL  
Terry - KZ8TDP  
Chance - KE8EXY  
Raymond - KB8ILD  
Scott – N8XP

These hams have kindly contributed to the implementation of the new D-STAR repeater which promotes amateur radio in Lapeer County and throughout the region.

Support from donors improves the quality of the Lapeer County amateur radio hobby for all those around you. We thank them for their support!

Sincere Thank you,  
The LCARA Membership



# Calendar of Events

# - External Event (not LCARA-sponsored)

A - ARES Team Event

## July 2018

- 07/10, 7:30pm - Club Meeting

## August 2018

- 08/14, 6:00pm - Picnic in the Park
  - Officer Nominations Due for 2018-2019
- 08/15, 7:00pm - ARES Training @EOC
- 08/25, Early Morning, Crim Festival of Races Amateur Radio Support

## September 2018

- 09/11, 7:30pm - Club Meeting
  - 2019 Officer Elections
- 09/19, 7:00pm - ARES Training @EOC

## October 2018

- 10/09, 7:30pm - Club Meeting
- 10/17, 7:00pm - ARES Training @EOC

## November 2018

- 11/04, 2:00am - Daylight Savings Time
- 11/13, 7:30pm - Club Meeting
- 11/17, 9:00am - ARES Exercise, 145.010, use home station
- 11/22, all day – Thanksgiving

## December 2018

- 12/11, 6:30pm - Club Holiday Dinner
- 12/19, 7:00pm - ARES Training @EOC

## Upcoming Michigan Section Hamfests and Swaps

With summer approaching, here is an update of the currently registered ARRL hamfests in the Great Lakes Division through the end of the year.

For more information – visit <http://www.arrl.org/hamfests-and-conventions-calendar>

7/8/18	20/9 Radio Club Tailgate and Hamfest	Austintown, OH
7/21/18	GARS Germantown Hamfest	Germantown, OH
7/21/18	NOARS Fest	Elyria, OH
7/21/18	Gladwin	Gladwin, MI
7/22/18	Van Wert	Van Wert, OH
7/28/18	Big Sandy Hamfest	Louisa, KY
7/28/18	CMARC Outdoor Hamfest	Lansing
7/29/18	Portage Hamfair	Ravenna, OH
8/4/18	Columbus Hamfest	Columbus, OH
8/4/18	UP Hamfest	Escanaba, MI
8/11/18	Central Kentucky	Lexington, KY
8/12/18	Cuyahoga Falls Tailgate Swap	Stow, OH
8/12/18	Seaway Trunk Swap	Port Huron, MI
9/8/18	Grand Rapids GRAHamfest	Wyoming, MI
9/8/18	Greater Louisville Hamfest	Sheperdsville, KY
9/9/18	Findlay	Findlay, OH
9/16/18	Central Kentucky Hamfest	Richmond, KY
9/16/18	Adrian	Adrian, MI
9/22/18	OHKYIN ARS Hamfest	Cincinnati, OH
9/23/18	Cleveland Hamfest	Berea, OH
9/29/18	Paintsville Hamfest	Paintsville, KY
10/6/18	Vette City	Bowling Green, KY
10/8/18	Michigan State Convention/GL HamCon	Brooklyn, MI
10/10/18	Microwave Update	Fairborn, OH
10/13/18	Cave Run Hamfest	Moorehead, KY
10/20/18	Muskegon Color Tour	Muskegon, MI
10/22/18	Kalamazoo	Kalamazoo, MI
10/27/18	Hazard	Hazard, KY
10/28/18	USECA	Madison Hts, MI
12/2/18	Lanse Creuse	Madison Hts, MI

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# LIFE IS SIMPLE



# Officers & Committees

## LCARA Officers (2017-2018)

President	Gerrett Peters, KD8YUK
Vice-President	Kevin Boxey, KB8TAR
Treasurer	Paul Zuhlke, AB8XL
Secretary	Lee Dziekan, N8LJ

## Amateur Radio Emergency Services

Lapeer County Emergency Coordinator	Kevin Boxey, KB8TAR
Assistant EC – Skywarn	Tom Oliver, KD8EBY
Assistant EC – Skywarn	Paul Zuhlke, AB8XL
Assistant EC – FLDIGI	Scott Nicholes, N8XP

## Repeater Technical Team

Repeater Trustee	Mike Zedan, KN8Z
	Lee Dziekan, N8LJ
	Will Stanton, KB8YGA

## Media

Waveguide Newsletter Editor, Webmaster, Social Media	Scott Nicholes, N8XP
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# LCARA Membership Application

Lapeer County Amateur Radio Association

Call Sign:	Name:
License Class: <input type="checkbox"/> Technician <input type="checkbox"/> General <input type="checkbox"/> Extra    Other:	
Address:	
City:	
State + Postal Code:	Phone Number:
Email Address:	
ARRL Member (Y/N):	ARES Member (Y/N):
RACES Member (Y/N) and Card #:	SKYWARN Member (Y/N) and Number:

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**