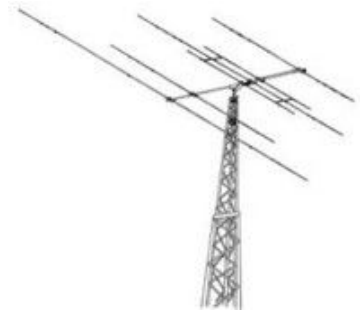


The Waveguide

Lapeer County Amateur Radio Association

P0 Box 12, Hadley MI 48440-0012

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



July 2017

Headlines

- LCARA Field Day 2017
- Operation CARE Fundraiser Retires
- July Presentation - "Voice of Victory"
- August Picnic and Packet Radio
- Officer Nominations



Kevin Boxey, KB8TAR operates Field Day - in the Field!

W8LAP Repeaters

2 Meter: 146.620 -100 Hz PL Tone

70 CM: 442.750 +123 Hz PL Tone

Next Club Meeting

Tuesday, July 11, 7:30pm
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.)

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.

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Reports & Editorials

The President's Corner

June was an eventful month! The club hosted Field Day again this year, and the club earned 820 points as submitted to the ARRL. Seventeen club members and visitors participated, 235 QSOs as we operated holiday style. Some were high-tech, some were field-tech, some were solar, and some from the bed of a truck. It was a great event, and if you weren't able to make this year, it's not too early to block your afternoon (or weekend, it's up to you) for next year - the last full weekend in June. It looks to be June 23-24, 2018. Go on, I'll wait.

Those taillights headed east on I-69 are Operation CARE's. After a long period of struggling to deliver a solid event on those rare and popular holiday weekends, LCARA is hanging up its drink coolers. There's more detail on the reasons later in this issue of the Waveguide, and more to come in the next month or few regarding how we'll continue to raise funds for the club. If you have radio-related ideas, bring them forward.

Our **July** presentation will be a video from Lee, N8LJ on the "Voice of Victory" - Hallicrafters radios used in World War II. In **August**, at our "Picnic in the Park" event, we'll have a member-driven look into Packet Radio, both traditional and with "Raspberry Pi".

Finally - Note that Officer Nominations are DUE at our August Meeting (the picnic). If you have a nomination, please submit them.

73,

Gerret, KD8YUK

Notes From the Desk of the Secretary

Lapeer County Amateur Radio Association

Meeting Minutes from June 13, 2017

The meeting was called to order at 7:30 pm by President Gerret KB8YUK. There were 13 members present.

Hospital Report: Gordon KD8TXW, Mike KD8OTZ, & Bill KD8VP. Please keep these members in your thoughts and prayers.

- The May 2017 Meeting Minutes were approved as published in the Wave-Guide by the membership present.
- There was no Treasurer's report.

Memorial Day Operation Care (OpCARE) Report

- Donation contributions were about \$176.00
- The Op Care operation hours were constrained due to lack of volunteers.
- If the Association does not volunteer & support Op Care, our only fundraiser will be terminated. The membership dues are not enough to support the fiscal needs of the Association.

The new amateur radio band plans have been released. See ARRL website for details.

The State of Michigan proclaimed Amateur Radio week June 19-25th.

Repeater Trustee report: All is OK

EOC Report:

- Big Fish Triathlon communications went very well.
- There is a new P25 repeater (with analogue capability) 147.32 Mhz with 100 Hz located on the Channel 19 tower near Clio with the antenna at the 530 ft level.
- ARES team meeting at the EOC at 7:00 pm June 21.
- The CRIM race is coming up. Please volunteer for communication duty at <http://www.gcared.org> then click menu, events

The W8LAP Field Day will be held at Gerret's QTH June 24 & 25. Plan on a fun operating event and camaraderie with fellow amateurs.

Meeting adjourned 8:15 pm.

Respectfully submitted,
Lee, N8LJ

Treasurer's Report

Greetings to one and all.

Not much to tell you about the treasury. We had no outlay except for electricity for the repeater this month, and the only income was from the Operation Care donations. That said I can tell you that all is well and the major bills for the year are paid. So until next time or the next meetings I bid you 73.

Hope to see you at the meeting.

Respectfully,
Bill Miller, KD8VP, Treasurer

Emergency Coordinator Report

Hello fellow LCARA members.

First, I would like to thank all of the operators that participated in supporting the Big Fish Triathlon this year. We had a very nice group with 12 participants. So a special thank you to KD8EBY, KD8YUK, N8OSL, KC8PMW, AB8XL, AE8RN, KE8FHE, KD8ZXT, KD8ZXV, KC8VHA, and KB8YGA. Our efforts are appreciated. I was able to speak directly with the owner of the race organization early that morning and he indicated that some of the other supporting amateur radio groups had fallen away. In addition, later in the morning we were being asked directly by the organizers for position updates on the last rider. Fortunately there were no major issues this year.

I would like to extend another thanks to KB8YGA for helping give a FLMSG presentation to the GCARES group in Genesee County in June.

For those of you that did not participate in Field Day this year you missed some impressive equipment setups. I had high hopes for working digital this year but the PSK31 frequency was extremely crowded. In addition my antenna wasn't playing perfectly on 20 m and as a result I was only able to make one digital contact. The phone part of the bands were much more productive. The lesson learned this year is to work on more comfortable sleeping arrangements.

There is no ARES meeting in July but we will resume meetings on August 16th at 7:00 pm in the EOC.

I hope to see you there.

Kevin KB8TAR

EC / RO Lapeer County

Club Items

ARRL Field Day Roundup 2017 - June 24-25

This is Whiskey Eight Lima Alpha Papa, we are Four Alpha in Mike India. These words were spoken hundreds of times this year as LCARA hosted Field Day again at Gerret, KD8YUK's home in Metamora Township. Turnout was good, the weather was moderate, and the 20 meter band was hopping, amongst others. The club had a strong showing again this year, with some stalwart operators staying overnight (one in a tent, and three in cars).



A sheltered operating area; notice the flagged guy lines and coax run.



L to R: Ray, KB8ILD; Ray Senior, N8LRF; Gerret, KD8YUK; Tom KE8AGM



Ray, KB8ILD operating on 20 meters as Ray Senior, N8LRF looks on.



Will, KB8YGA brought out this dual-tower setup (that's him there by the back of the truck).



A man and his quiet generator. Kevin, KB8TAR operated out under a shady tree all day and long into the night (and it got COLD out there!)



Will, KB8YGA's setup is very compact, fitting neatly into this audio rack case.



Another view of the operating stations, with (l to r) Gerret, KD8YUK; Ray Senior, N8LRF; and Ray KB8ILD running the bands.



There was lots of activity outside as well, with Mike KE8FHE setting up this push-up aluminum antenna using a custom-fabricated tripod mount. (l to r): Roger, KC8EPQ; Mike, KE8FHE, Mike's son (no call)

LCARA Field Day Score (As Submitted)

The logs and forms and paperwork are submitted! The total score should be **820**, based on the following:

Total QSO score:	470
Bonus Points:	350
Total:	820 Points

QSO Breakdown:

- 80 Meter - 60 QSOs
- 40 Meter - 77 QSOs
- 20 Meter - 59 QSOs, one of which was digital
- 15 Meter - 23 QSOs
- 10 Meter - 13 QSOs

Bonus Points Breakdown:

- Media Publicity (attempted) - 100 Points
- W1AW Field Day Message (copied) - 100 Points
- Natural Power QSOs completed - 100 Points
- Submitted Entry Online at b4h.net - 50 Points

Operation CARE Retires

After many years of continuous operation and distinguished contribution to the Lapeer community, particularly eastbound I-69 travelers on the three major summer holidays, the Lapeer County Amateur Radio Association is no longer able to support the staffing requirements for the Operation CARE event. As such, LCARA's participation in the Operation CARE event for Independence Day weekend of 2017, Labor Day weekend of 2017, and future Operation CARE events is cancelled.

LCARA is fortunate to have a dedicated group of highly-skilled amateur radio enthusiasts. As Michigan continues the long recovery from the effects of the “Great Recession”, (and the perennial challenge of recruiting new members), it has come into sharper focus that the club does not currently have enough members to deliver the high-quality event support that Operation CARE (and its beneficiaries, the traveling public) deserves.

As this chapter in the club's history comes to a close, LCARA will do what the resilient and

resourceful members of this hobby have always done when faced with change. We will innovate, we will explore new ideas, and we will challenge the status quo.

It is with that spirit that the club looks forward to conducting new activities and opportunities for public service that meet the needs of our members, our community, and the club's ability to provide a quality experience to both. Tell us, too, about your ideas for fundraisers and fun radio-related activities for our club.

Sincerely,

Gerret Peters, KD8YUK
President, Lapeer County Amateur Radio Association
Email: kd8yuk@gmail.com, Twitter: @kd8yuk

Heard on the Wire

News and information related to Amateur Radio and associated pursuits, submitted by LCARA friends and supporters.

Amateur Radio Mesh Network Brought into Mix as Volunteers Assist in South African Fire Disaster (06/13/17)

<http://www.arrl.org/news/amateur-radio-mesh-network-brought-into-mix-as-volunteers-assist-in-south-african-fire-disaster>

A brief news item on how amateur radio provided support during a disaster using mesh networks, something receiving a fair amount of discussion in emergency communication circles.

Maker Share

<https://makershare.com/>

From Make Magazine comes Maker Share, a “show and tell” hub for makers to share their projects. You can register as a maker on MakerShare.com, set up a profile and begin adding projects to your portfolio - consider your portfolio as something that reflects your interests. Here’s one radio-related example - a crystal radio set from a discarded television:

<https://makershare.com/projects/crystal-radio> .

Radio Volunteers as Key Component of Public Safety

<http://www.govtech.com/em/disaster/Radio-Volunteers-a-Key-Component-of-Public-Safety.html>

Emergency Management article on amateur radio operators contributing to the Cascadia Rising disaster drill in Washington state.

Amateur Radio Emergency Service (ARES)

<http://www.arrl.org/ares-annual-monthly-reports>

If you've ever wondered whether ARES is active, check out these figures from the national ARES HQ Monthly Report for May 2017.

Total # ARES Members reporting this month	22,844
Number of active ARES Nets	2,929
Training & Exercises	4,117 events 36,498 person-hours
Public Service Events	525 events 15,997 person hours
Emergency Activations	346 activations 4,255 person hours
SKYWARN Operations	116 operations 2,026 person hours
Total Volunteer Value (@\$19/hour)	\$1,116,544

Calendar of Events

- External Event (not LCARA-sponsored)

A - ARES Team Event

Also see:

- Weekly net schedule on page 1.
- Michigan Hamfests and Swaps immediately following the Calendar of Events.

July 2017

- 07/11, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation: Voice of Victory, World War II and the Hallicrafters SCR 299 go-kit
- Note: There is **no ARES meeting planned for July.**
- 07/18-28, **K2BSA - National Scout Jamboree - On the Air**
 - The Boy Scouts of America station K2BSA will be on the air during the 2017 National Scout Jamboree, July 18 to July 28, from the Summit Bechtel Scout Reserve in West Virginia. The K2BSA operation will demonstrate Amateur Radio to several thousand Scouts and fulfill the Radio merit badge requirement for QSOs.
 - Full details available at: <https://www.k2bsa.net/jamboree-live/>

August 2017

- 08/08, 6:30pm - Club **Picnic**, Cramton Park, Lapeer MI
 - Presentation - The many faces of Packet Radio, presented by members Kevin, KB8TAR; Ray, KB8ILD; Scott AE8RN; Will KB8YGA
 - Officer Nominations Due
- 08/21, 1400-2200UTC (10am-8pm EDT) - **Solar Eclipse QSO Party!**
 - Help mankind understand how solar eclipses affect radio wave propagation
 - To generate observations of propagation by the Reverse Beacon Network (RBN – <http://www.reversebeacon.net/>), PSKReporter (<https://pskreporter.info/>), WSPRNet (<http://www.wsprnet.org>), and event logs before, during, and after the eclipse on the amateur bands for the purpose of ionospheric sounding.
 - Full details at <http://hamsci.org/seqp>

September 2017

- 09/12, 7:30pm - Club Meeting, Lapeer EOC
 - Presentation TBD
- 09/15-16, W9DXCC DX Convention and Banquet, Schaumburg, Illinois
 - See events further on in this issue of the Waveguide for more information, or visit <http://w9dxcc.com/>

October 2017

- # 10/7-10/8, Great Lakes Hamcon, Michigan International Speedway, Brooklyn,MI
 - More Details: <http://www.glhamcon.org>
 - Flyer: <http://glhamcon.org/Flyer012717.pdf>
- 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 Michigan Section Hamfests and Swaps

Source: http://www.arrl.org/hamfests/search/page:1/Location.section_id:MI.rpt?format=html

GMARC Summer Trunk Swap

Start Date: 07/22/2017

End Date: 07/22/2017

Location: Packard Proving Grounds
49965 Van Dyke Avenue

Shelby Township, MI

Website: <http://www.gmarc.org>

Sponsor: General Motors Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 443.075 (PL 123)

Public Contact: Bobby Corr , N8CY

45601 Fox Lane West, Apt. 106 Shelby Township, MI 48317
Phone: 248-346-2733
Email: N8CY@arrl.net

HARRISON HAMFEST

Start Date: 07/22/2017
End Date: 07/22/2017
Location: Harrison City Park
905 West Spruce Street
Harrison, MI 48625
Sponsor: Gladwin Area Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 147.200 (PL 103.5)
Public Contact: John Hensley, W8CSX
5125 Pickering Road Gladwin, MI 48624
Phone: 734-679-0385
Email: johnhensley1940@gmail.com

CMARC "Outdoor" Hamfest

Start Date: 07/29/2017
End Date: 07/29/2017
Location: Holt Christian Church
2424 Washington Road
Lansing, MI 48901
Website:
<http://www.centralmiarc.com/outdoorhamfest.php>
Sponsor: Central Michigan Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 145.390 (PL 100)
Public Contact: Clyde Tompkins, K8CPT
1801 North Hagadorn Road, Apt. 214 East Lansing, MI 48823
Phone: 517-927-3801
Email: clde48837@hotmail.com

UP Hamfest 2017

Start Date: 08/05/2017
End Date: 08/05/2017
Location: Bay de Noc Community College
2001 North Lincoln Road
Escanaba, MI 49829
Website: <http://dcars.org>
Sponsor: Delta County Amateur Radio Society
Type: ARRL Hamfest
Talk-In: 147.15 (PL 100)
Public Contact: John Anderson, WD8RTH
PO Box 295 Wells, MI 49894
Phone: 906-399-4490
Email: wd8rth@charter.net

Midland ARC Hamfest

Start Date: 08/12/2017
End Date: 08/12/2017
Location: Salvation Army Building
330 Waldo Avenue
Midland, MI 48640
Website: <http://www.w8kea.org>
Sponsor: Midland Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 147.000+
Public Contact: Keith Johnson, KB8SOE
PO Box 1049 Midland, MI 48641
Phone: 989-488-4337
Email: kb8soe@arrl.net

Seaway Trunk Swap

Start Date: 08/13/2017
End Date: 08/13/2017
Location: Great Lakes Maritime Center
5 Water Street
Port Huron, MI 48060
Website: <http://qsl.net/ke8bit/>
Sponsor: Eastern Michigan Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 146.800 (PL 100)
Public Contact: Stan Arnett II, AC8W
801 Range Road Marysville, MI 48040
Phone: 810-364-6674
Email: ac8w@arrl.net

Alpena SWAP 2017

Start Date: 08/19/2017
End Date: 08/19/2017
Location: Alpena Mall
2370 South State Street
Alpena, MI 49707
Website: <http://ThunderBayARC.org>
Sponsor: Thunder Bay Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 146.76 (PL 88.5)
Public Contact: Dick Wiitala, W1UP
1405 South First Avenue Alpena, MI 49707
Phone: 989-358-6621
Email: w1up@arrl.net

GRAHamfest

Start Date: 09/09/2017
End Date: 09/09/2017

Location: The Home School Building
5625 Burlingame SW
Wyoming, MI 49509
Website: <http://w8dc.org>
Sponsor: Grand Rapids Amateur Radio Association
Type: ARRL Hamfest
Talk-In: 147.26 (PL 94.8)
Public Contact: Rich Douglas , KC8NKA
3903 Oriole Avenue SW Wyoming, MI 49509
Phone: 616-531-6218
Email: kc8nka@sbcglobal.net

Adrian Hamfest

Start Date: 09/17/2017
End Date: 09/17/2017
Location: Lenawee County Airport
2651 West Cadmus Road
Adrian, MI 49221
Website: <http://www.w8tqe.com/>
Sponsor: Adrian Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 145.37 (PL 85.4)
Public Contact: Mark Hinkleman , NU8Z
108 East Kilbuck Street Tecumseh, MI 49286
Phone: 517-423-5906
Email: cqnu8z@comcast.net

GMARC Fall Trunk Swap

Start Date: 09/23/2017
End Date: 09/23/2017
Location: Packard Proving Grounds
49965 Van Dyke Avenue
Shelby Township, MI
Website: <http://www.gmarc.org>
Sponsor: General Motors Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 443.075 (PL 123)
Public Contact: Bobby Corr , N8CY
45601 Fox Lane West, Apt. 106 Shelby Township, MI 48317
Phone: 248-346-2733
Email: N8CY@arrl.net

Great Lakes Division Convention

Start Date: 10/07/2017
End Date: 10/08/2017
Location: Michigan International Speedway
12626 US Highway 12
Brooklyn, MI 49230
Website: <http://GLHamCon.org>

Sponsor: Great Lakes Amateur Radio Association
Type: ARRL Convention
Talk-In: 146.55
Public Contact: Glen Ohlemacher , K8GO
830 Kings Park Road Monroe, MI 48161
Phone: 734-731-0901
Email: info@GLHamCon.org

Muskegon Color Tour Hamfest

Start Date: 10/21/2017
End Date: 10/21/2017
Location: Fellowship Reformed Church
4200 East Apple Avenue
Muskegon, MI 49440
Website: <http://mcecs.net/>
Sponsor: Muskegon County Emergency
Communication Services, Inc.
Type: ARRL Hamfest
Talk-In: 146.82 (PL 94.8)
Public Contact: James Duram , K8COP
PO Box 386 Fruitport, MI 49415
Phone: 231-638-7010
Email: k8cop@arrl.net

2017 Kalamazoo Hamfest and Amateur Radio Swap and Shop

Start Date: 10/22/2017
End Date: 10/22/2017
Location: Kalamazoo County Expo Center
2900 Lake Street
Kalamazoo, MI 49001
Website: <http://www.kalamazoohamfest.com>
Sponsor: Southwest Michigan Amateur Radio Team &
Kalamazoo Amateur Radio Club
Type: ARRL Hamfest
Talk-In: 147.04 (PL 94.8)
Public Contact: Don Batts , WE8UPJ
PO Box 19523 167 North Drake Road Richland, MI 49083
Phone: 269-205-3560
Email: info@KalamazooHamfest.com

USECA Hamfest/Swap & Shop

Start Date: 10/29/2017
End Date: 10/29/2017
Location: United Food & Commercial Workers Hall
876 Horace Brown Drive
Madison Heights, MI 48071
Website: <http://www.usecaarc.com>

Sponsor: Utica-Shelby Emergency Communication Assn

Type: ARRL Hamfest

Talk-In: 147.18 (PL 100)

Public Contact: Ken Coughlin , N8KC

53762 Kristin Court Shelby Township, MI 48316

Phone: 248-652-1187

Email: manitoumagic@aol.com

LCARC Swap/Hamfest

Start Date: 12/03/2017

End Date: 12/03/2017

Location: Madison Place

876 Horace Brown Drive

Madison Heights, MI 48071

Website: <http://www.n8lc.org>

Sponsor: L'Anse Creuse Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 147.08 (PL 100)

Public Contact: Dale McGorman , K8RO

2855 Norton Lawn Rochester Hills, MI 48307

Phone: 248-563-4497

Email: k8ro@arrl.net

1st Annual GMARC Swap & Shop

Start Date: 04/29/2018

End Date: 04/29/2018

Location: UFCW Local 876 Union Hall

876 Horace Brown Drive

Madison Heights, MI 48071

Website: <http://www.gmarc.org/SwapInfo>

Sponsor: General Motors Amateur Radio Club

Type: ARRL Hamfest

Talk-In: 443.075 (PL 123)

Public Contact: Mike Carelli , W8MJC

1853 Willowood Drive Rochester Hills, MI 48307

Phone: 248-835-9545

Email: Swap@gmarc.org

Officers & Committees

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

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