

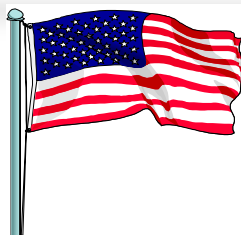


The LCARA Patch

10 METER ROUNDTABLE

WEDNESDAY NIGHT @ 2030 HRS

28.450 MHz



LCARA TWO METER NET

THURSDAY EVENING @ 1900 HRS

LCARA WEBSITE

LCARA.ORG

The *PATCH*

Published by the Lake County Amateur Radio Association

P.O. Box 868

Painesville, OH 44077-0868

The Patch Staff

Editor: Melody Leasko, KB8QIB

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Ed Kopcak	KB8BKE	President
Larry Caskey	K8LPC	Vice-President
Rick White	W8QL	Secretary
Ed Kopcak	KB8BKE	Treasurer
Joe Koskovics	N8JKO	Director at Large

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Contest	Reno Tonsi	WT8C
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Publicity	Vance Roth	KA8YHZ
Communications	N8IJG, K8LPC &	W9LAC
Sunshine	Connie Tonsi	KB8ZZW
Trustee, N8BC	Bob Liddy	K8BL
Web Master LCARA	Bill Wihebrink	N8IJG



December's meeting is at Tri-Point Medical Center

Physicians Pavilion (Lower Level)
7590 Auburn Rd., Concord, OH 44077
Meeting @ 7:30 pm on December 4th

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A Message from the President

Greetings Fellow Travelers,

As this year draws to a close, we take stock of the past and look forward with anticipation of the year to come. With the busy holidays upon us, it is family and friends who remind us of the truly important things in life, and even though they probably drive you nuts at times, we cherish them regardless. It is my hope that you have found being a member of LCARA to be an enjoyable and worthwhile experience and made some new friends or acquaintances. I know I have. I consider it a privilege to serve as your president.

...a few items of interest...

This past Thursday, November the 28th, Bill Wehibrink hosted the club's 2 meter net for the last time. Bill has served as net control for lo these many years and is "passing the baton", taking a well-deserved break from net control duties. Thank you, Bill for all the dedication, time and effort. Well Done! (If anyone is interested in trying your hand and getting your NCS on, contact myself or Bill and we'll get you all the details)

Our vice-president Larry is taking on indefinite leave of absence for personal reasons. That combined with Rick's deciding to be a snow-bird (must be nice) means we are in need of some assistance on the Board. I promise it would not be as arduous an undertaking as you might envision, and you may find it to be exciting! If interested see me at a meeting or contact me directly.

I mentioned this topic at the last meeting. After hearing from members, the dues will remain \$20/single and \$30/family. You can as always pay at the meetings or by mail. Please take this time to update your contact information if it has changed. Use the application form available on our website. Rosters are also available upon request.

...our remaining club activities for the year...

We have finished the relocation of our radio room at LCHS and will hold a grand opening of sorts concurrent with their annual "Home for the Holiday's " event on December 6th, 7th, and 8th. We will be on hand to demonstrate the equipment and answer visitor's questions. If you can spare an hour or two to help let myself or Bob Mekinda know. Hours are from 11-4 each day.

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From the President cont'd.

Our club Holiday dinner is December 13th. Information can be found in the calendars on our club website (www.lcara.org) or Groups.io (lcarapatch@groups.io) page. I need to have a head count by the 9th. Hope to see you there!

As the meeting night for January of 2020 will fall on New Years Day it will likely be cancelled. We will be deciding whether or not to reschedule it to another day later in the month at the membership meeting in December.

Finally, thank you all for your continued support of our club and may I wish you all the very best of the best for the Holidays and for the year to come.

Tnx. & '73

-ed

Addition

Reno has suffered a setback w /pneumonia was hospitalized briefly and Carla (Tom Donelan kd8sjg) was released from nursing home. Both are receiving visiting nurse after care at home and welcome get well wishes and phone calls.

Minutes from November 6, 2019 Meeting

Board Members Present:

- KB8BKE – Ed – President
- K8LPC – Larry - Vice President (and acting Secretary)
- N8JKO-Joe-Director at Large

Meeting Minutes:

- The meeting was called to order at 7:30 PM by Ed – KB8BKE. The meeting began with the Pledge of Allegiance.
- The presentation this month was from Jeff Covelli WA8SAJ, who gave us an excellent presentation on Drake radios as well as others of the era. Jeff's presentation also included a raffle for a Drake Manual. The presentation was followed by a Q & A session.
- The presentation ended at 8:35 PM.
- There was a short recess; the regular portion of the meeting began at 8:45 PM.
- The monthly meeting continued with a round of introductions.
- There were no additions or corrections to the Patch.
- There was no correspondence.
- Treasurer report: Ed-KB8BKE stated that the Treasury is in good shape.
- No board meeting report
- No ARRL report.
- Jim – AA8OY gave a very detailed DX report.
- Public Service Report: Ed-KB8BKE stated that there were 750 participants in The Northern Ohio Marathon.
- Bob-K8QXO stated that LCARA is in the process of moving our "Radio Room" to a larger room at the end of the hallway at the LCHS. Help would be appreciated, contact Ed-KB8BKE or Bob-K8QXO. Bob stated that the LCHS would like to have the "Radio Room" staffed for their "Home for the Holidays" event which occurs over several days. Please see Bob-K8QXO for details.
- Sunshine report: Connie KB8ZZN reports that all is well.
 1. There was one SK report from Larry-K8LPC. Dick WA8TPP passed on November 4th. While Dick was not a LCARA member, he was a popular mentor in the Amateur Radio Community as well a member of the Board Directors for the Northern Ohio Repeater Management Association, as well as a good friend to many.
- Communication Team: Ed-KB8BKE stated that all of the repeaters and remote sites were in service and fully operational as well as the website.
- 2 meter Net: Ed-KB8BKE stated that the LCARA Thursday net continues at 7:00 PM on the 147.21 repeater.
 1. 2 meter ARES Net: THE ARES net continues each Monday at 7:30 PM on the 147.21 repeater.
 2. 10 meter Net: Mike-WB8ZGH stated that 10 meter roundtable continues each Wednesday at 8:30 PM on 28.450.
- Swap and Sell: None
- Old Business: None.
- Ed-KB8BKE stated that the LCARA Christmas dinner will be held on Friday December 13th at the St John Vianney Party Center, and noted that the cost had to be raised to \$30 per person. Meet and greet as well as those bringing appetizers are welcome beginning at 5:30 PM with dinner being served at 6:30.
- Ed-KB8BKE stated that the dues for LCARA membership will go up from \$20 to \$25 for the calendar year beginning in 2021.

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Meeting minutes cont'd.

- Ed-KB8BKE stated that elections for Board members will occur at the December meeting, and noted we are still taking ballots for the "Ham of the Year". The award will take place at the January meeting.
- Joe-N8JKO stated that we are looking for a presenter for the summer picnic, noting that he will reserve one of the two pavilions we used for the last picnic in Perry.
- Larry-K8LPC noted that we are looking for Net Control Stations for our ARES net on Monday evenings.
- Larry-K8LPC noted that we have 6 paid members to date.
- Jim-AA8OY won the 50-50 raffle.
- There were 22 members and guests at the meeting which included: Ed-KB8BKE, Bill-N8IJG, Melody-KB8QIB, Larry-WB8PHI, Donna-W8DMP, Paul-W8PJW, Brian-KE8NAG, Dale-KG6WGO, Cal-W8BZP, Jeff-WA8SAJ, Ken-K8JYG, Bob-K8QXO, Joe-N8JKO, Neal-NF1X, Evan W8LSQ, Don WA8TWM, Larry-K8LPC, Andy, Jeff-KC8LAR, Reno WT8C, Connie KB8ZZW and Sally N1BCF.

Meeting adjourned at 9:16 PM

Larry – K8LPC

November Attendance

Ed-KB8BKE, Bill-N8IJG, Melody-KB8QIB, Larry-WB8PHI, Donna-W8DMP, Paul-W8PJW, Brian-KE8NAG, Dale-KG6WGO, Cal-W8BZP, Jeff-WA8SAJ, Ken-K8JYG, Bob-K8QXO, Joe-N8JKO, Neal-NF1X, Evan W8LSQ, Don WA8TWM, Larry-K8LPC, Andy, Jeff-KC8LAR, Reno WT8C, Connie KB8ZZW and Sally N1BCF.



Sunshine Report

By Connie, KB8ZZW

Nothing to report.

BACKSCATTER

142 Years Ago: Thomas Edison demonstrated the first sound recording, reciting “Mary had a Little Lamb” at his Menlo Park Laboratory, making the first surviving recording of the human voice.

62 Yeaers Ago: The first full-scale atomic electric generating station in the U.S. began operation in Shippingport, PA. The plant reached full power 21 days later, generating 60 megawatts. It was designed by the Westinghouse Electric Corporation in cooperation with the Division of Naval Reactors of the Atomic Energy Commission, and was retired in 1982.

50 Years Ago: The internet is born. ARPANET grew to four nodes when ARPA, the Department of Defense's Advanced Research Projects Agency, connected computer network nodes at four universities: the University of California, Los Angeles, the Stanford Research Institute in Menlo Park, Calif., U.C. Santa Barbara, and the University of Utah. Initial test login characters had been sent from a ULCA computer to a computer at Stanford, which had been permanently connected through early routers, small packet-switching computers then called Interface Message Processors.

40 Years Ago: The amateur population declines by more than 2000 in September, with Novices leading with a decline of 1693. The total US amateur count is now 362,356

CB magazine announces a nine month Novice training program, to start in the January issue. The editor, WB6NOA, Gordon West, says that students will be quizzed at the end of each month with “FCC type questions”.

Newsletter editor Mike, WD8IVL, asks for more articles, requesting they be written in English “or a language which translates easily to it”.

35 Years Ago: Newsletter editor Gary, KC8GN, accepts a job on the West Side! Jim Thistlewood, KD8SW, steps up to fill his shoes.

The FCC releases a Notice of Proposed Rule Making, implementing amateur access to 10.100-10.150 MHz, and 24.890-24.990 MHz. Existing government fixed operations precludes access to 10.100-10.150 for another five years.

30 Years Ago: Dr. Deviation, aka Rusty, WA8HAR, warns of an outbreak of unsoldered braids on PL259 connectors, and urges radio ops to practice “safe solder”. The braid should always be folded back, tinned, the connector screwed on, and then soldered. Failure to do so may result in symptoms that may not be recognizable for months, or even years afterwards.

Backscatter cont'd.

LCARA announces a Special Events station to celebrate the 150th anniversary of Lake County. The Historical Society agrees to provide operators with a summary of Lake county history for use on the air.

The Mentor input, located at Mentor fire station #5, is now on the air.

25 Years Ago: LCARA's crack Field Day team takes top honors in the 9A class, and places #4 nationally in all classes.

After 15 years of publication, the GO List goes QRT.

20 Years Ago: License restructuring has moved to the front burner at the FCC, with a Report and Order expected within a month or two. The final form is unknown, but a year earlier the FCC had proposed elimination of Novice and Tech Plus licenses, leaving only four classes – Tech, General, Advanced and Extra. The role of code is unknown.

15 Years Ago: Bharathi, VU2RBI has received permissions to activate the Andaman Islands for the first time in 17 years. Calls will be VU4NRO AND VU4RBI.

Field Day results are announced, with LCARA placing 4th in 7A nationally. We were the top scoring station in Ohio for all classes, and 3rd highest in the 8th call area.

10 Years Ago: LCARA is tops in Ohio Field Day results. Of 41 6A stations nationally, we were 1st in Ohio, and 7th nationally!

5 Years Ago: LCARA places in the top 3% nationally of all Field Day stations in the 100 watt class.

Vance KA8YHZ, describes his bicycle mobile operation assisting the Lake Health Marathon.

LCARA Historian

Scott, KO8O



DX Alert, December 2019

VP5 – Turks and Caicos - VP5/WA2TTI, Jerry, will be on Providenciales Island, NA-002, December 2-7, operating on the HF bands.

C6 – Bahamas - A group of operators are QRV as C6AGU from Wood Cay Island, IOTA NA-001, until December 9. Activity is on the HF bands with a focus on 160 and 80 meters.

YB - Indonesia - Burkhard, DL3KZA is QRV as YB9/DL3KZA from Sumbawa and Lombok Island, IOTA OC-150, until December 2. Activity is on the HF bands using SSB and FT8.

XW – Laos - 3W3B, Bruce, will have his XW4XR callsign on from Laos December 4-16, CW, FT8 and FT4 on 60-6M.

5V – Togo - KB9IJI, Andy, has been working as a missionary in Mango since 2016 and expects to remain here for the foreseeable future. It has taken three years to obtain carte de séjour (residence permit). "Since I'm the first long-term applicant, they granted me special permission to legally operate [as 5V/KB9IJI] until the application is approved, hopefully before the end of the year".

6O – Somalia - 6O1OO, operated Ali, aka EP3CQ, goes back to Somalia December 4. He plans to have his Somalia station on the air December 4-19 and then again for four weeks starting January 7.

7Q – Malawi - Starting November 18th DK2WV, Karl, will be back in Karonga for about three weeks. In his spare time he plans to be QRV on 40 through 10 meters. He will be operating as 7Q7W.

C5 – The Gambia - ON7YK, Andre, is on the air with the C5YK callsign. He plans to be there until early March. He likes digital modes, particularly FT8, SSB, and "some CW." He has been on 60-10 meters.

V4 – St. Kitts and Nevis - W5JON, John, is heading back to his Calypso Bay QTH and plans to be active again as V47JA from December 10-19. He'll be QRV on SSB and FT8 on 1.8 through 50 MHz.

Happy hunting!

Jim, AA8OY
Thanks to ARRL DX and Weekly DX



Field Day Results 2019

Field Day 2019 is in the books and 3,113 stations submitted logs with more than 1.1 million QSOs. Conditions were miserable but everyone faced them. N8BC ranked 62nd overall putting us in the top 2% of all entries. In class 6A, N8BC placed 6th which had 37 entries. Ohio had the most entries, 143, of any section. In 6A, Ohio, we were 2nd of 4 but also placed 4th of 122 in the low power class for the entire state. Perhaps Field Day 2020, which will be June 27 and 28, will see some improved propagation.

Jim, AA8OY

OHDEN Has Some Changes To Tell You About

(from Gary, NJ8BB & Eldon, W5UHQ)

Due to the continued long skip being experienced on 80 meters during the Ohio Digital Emergency Net (OHDEN) training sessions @2145 local time each Tuesday; OHDEN will temporarily go to **Sunday afternoons at 3:00 - 4:00PM.**

Training will remain on the prime frequency of 3584.5KHz USB +1500 Hz.

Tests show that this time has much better propagation throughout the state and should allow the best propagation currently possible on 80 meter band. We are currently having to use a North Carolina station for NCS relays later in the evening.

Anything beyond local ground wave and this long skip point have not been reliable during this time of year, time of day, and sunspot cycle for the past three years.

At the same time, W5UHQ is going to start an experimental Olivia / FT8 net on 1805.000 USB +1500 Hz during the normal time slot of 21:45 – 22:45 on Tuesdays.

The objective of the 160 meter net will be to perform signal reports and check for traffic quality circuits on 160 meters from county to county and county to SEOC. Hopefully we can get more stations active on this frequency and as many county control stations as possible to try out their capability. Tests thus far have been great from border to border. I currently have six different stations that have checked into that test frequency. There will be no change to our standard mission call up frequencies at this time. Using alternate times and frequencies is already in our SOP. The Ohio Technical Specialist team will be available to assist ECs in putting up at least a compromise antenna for that band.

These changes be in effect from Jan 15 until March 12 (start of daylight savings time). These changes should allow all members interested in improving the 160 meter readiness of this critical statewide connection under all conditions of solar impacted propagation.

The *PATCH*, Published by the Lake County Amateur Radio Association

VE Testing in Lake County

Exams are held every other month.

The Lake County Amateur Radio Association will be holding its **2019** Amateur Radio license exams at **the Kirtland Library**, 9267 Chillicothe Road, on the following dates:



Saturday, February 2

Saturday, April 6

Saturday, June 1

Saturday, August 3

Saturday, October 5

Saturday, December 7



This bi-monthly schedule is the first Saturday of every even-numbered month (e.g., February being the second month, etc.), and will be held at the Kirtland Library, 1.7 miles south of I-90 on Route 306 (Chillicothe Rd). The library is on the left, just beyond the Marathon gas station. The tests will start at **12 noon**. Please arrive a few minutes earlier.

To register, you will need the NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, be sure it is the Sept 2017 version or later. You can find it by Googling "NCVEC quick-form 605" and clicking on the url for a pdf of the form.

Be sure to bring **the original and a copy of both your license and any CSCEs you may have to the exam**. The cost is \$15.00, and if you wish to pay by check, it should be made out to the ARRL/VEC. Identification with your picture is also necessary, such as a driver's license. If you have any questions, please contact Scott Farnham, KO8O, at (440)256-0320, or scottfarnham@roadrunner.com



HAM EXAMS

IN LAKE COUNTY

EVERY OTHER MONTH

The Lake County Amateur Radio Association will be holding its **2020** Amateur Radio license exams at **the Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 1

Saturday, August 1

Saturday, April 4

Saturday, October 3

Saturday, June 6

Saturday, December 5

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Breakfast Date for December 2019



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, December 17th** at 8:00 a.m. Breakfast orders start being taken at 8:30 a.m. This group averages 15-20 people from all counties, and it provides a great opportunity to meet other Hams, sell and trade your spare equipment. This is not a club event. Please encourage any Hams or non-Hams to bring your significant other, or a friend, to breakfast. It is a fun gathering.

LCARA Board Meeting

The LCARA Board meeting will be at the Tri-Point facility on **December 11th** @ 7:00 p.m., in the Tri-Point Board room.

To find the Board room, simply continue waling past the regular meeting rooms down the hallway. The Board room is located on the left from the main elevators.

All members are invited.

The *PATCH*, Published by the Lake County Amateur Radio Association

For Sale or Swap

Equipment for Sale: by Bill, N8IJG (call 440.943.1703)

MFJ 8268 Digital SWR/Wattmeter/Freq Readout	\$140.00
Icom IC-756 Pro 3 Transceiver	\$1300.00
Icom IC-275H 2 meter All Mode Transceiver	\$600.00
Swan 350C w/117XC PS	\$300.00
Icom IC-275H 2 meter All Mode Transceiver	\$600.00
Swan 350C w/117XC PS	\$300.00

Equipment for Sale: by Evan Liechty, W8LSQ (ELIECHTY@windstream.net)

Icom 718, like new, original box, will demo	\$450.00
Kenwood TS950 SD 150 watts, internal power supply, dual receivers, auto antenna tuner, all of the filters, like new condition, will demo	\$475.00
Yaesu FT901 DE, 180 watts, comes with Turner desk mike with Heil HC 5 cartridge, like new, will demo	

Mike, KD8JDL is in the process of disposing of radio tubes from his father's store. If members could e-mail him with requests and he has the tube, there will be no charge.

Check the LCARA website Swap/Sell/Trade page for equipment from the Bricker's estate.

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Events Contact Info.

Event	Contact	Location	Date
ARES	WB8ZGH mgoffos@ymail.com	147.210 MHz	Mondays 1930
Two Meter Net	Bill N8IJG n8ijg@arrrl.net	147.210 MHz	Thursdays 1900
Ten Meter Roundtable	WB8ZGH mgoffos@ymail.com	28.450 MHz	Wednesdays 2030
LCARA Board Meeting	Tri-Point Board Room	Tri-Point Medical	Wed. 12/11 1900
VE Testing	Scott, KO8O, at 440-256-0320	Kirtland Library	Sat. 12/7 12:00

LCARA Net Information

Lake County ARES Net

The **Net is Every Monday at 7:30 pm** on the 147.210 repeater. This net is open to all licensed operators; you do not need to be a member. This net is provided for operators to verify the proper operation of their equipment and verify their stations capabilities in the event of an emergency. Here is your perfect chance to be Net Control or Alternate Net Control. Step forward, no experience is necessary, everyone will help you.

Lake County Two Meter Net

The 2 Meter Net runs weekly. Come join your fellow hams on Thursday's at 7:00 pm on 147.210 MHz. this is an informal net where the group can discuss any subject for the good of the group, great time to ask those questions, especially from the new operators. List your items related to ham radio that you want to sell or swap and any sunshine announcements to pass on.

N8IJG brings us the ARRL News when available. Bill is always looking for Alternate Net Control Operators. Please check in.

Ten Meter Roundtable

The 10 meter Roundtable meets on Wednesday's at 8:30 pm on 28.450 MHz. This is an informal roundtable where the group can chat about anything that comes to mind and even correct some of the world's problems.

You don't need to be a LCARA member, just have at least a Tech ticket and some 10 meter gear. The Roundtable is a good chance to meet old and maybe some new friends this is a "Round Table" anyone can start it off on 10 meters. Any Questions contact WB8ZGH.

Ohio Emergency Preparedness Nets, Columbus EOC

Ohio Emergency Preparedness Net, W8SGT, is on every Tuesday at 7:15 pm. Try 3.902 MHz, tune up and down the band and check in! Follow on Twitter (hashtag W8SGT) for frequency information on the 80 meter band.

Ohio Digital Emergency Net

Ohio Digital Emergency Net is held on Tuesdays at 8:00 pm (0100 UTC).

OHDEN meets on 3585 KHz +/- USB <http://ohden.org/>

This net is looking for all Ohio Counties to check-in. Learn as you go.

Modes: OLIVIA 8/500/PSK31 alternate, with MT63 1K for bulletins.

Frequency: 3585 KHz, 7072 KHz alternate.

MT63 2K on VHF/UHF with PSK as an alternate (Assigned locally)

The Amateurs Code

By Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE..... never knowingly operating in such a way as to lessen the pleasure of others.

LOYAL..... offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE..... with knowledge abreast of science, a well built and efficient station, and operation beyond reproach.

FRIENDLY..... with slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED..... Radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC..... with station and skill always ready for service to country and community.

LCARA was organized for the purpose of furthering Amateur Radio by increasing the technical knowledge and operating proficiency of radio amateurs through continuing education, public service and acting as a vehicle of communication by, between and with the members of the association. LCARA is an incorporated association chartered under the laws of the State of Ohio and is an exempt organization under section 501 (C) (3) of the Internal Revenue Code. Contributions to LCARA are fully deductible from Federal Income Tax. Regular and Senior Dues are \$20.00 per year, Students \$10.00. Items may be reprinted by other non-profit publications without prior permission providing credit is given to the original source and The LCARA Patch. Articles from members are welcome.

Voice Repeaters N8BC

147.210 with a .600 MHz+ offset PL tone of 110.9 Hz.

224.500 with a 1.6MHz.-offset, PL tone of 141.3 Hz.

444.650 With a 5.0MHz. +offset, PL tone of 131.8 Hz.

(Repeater & N8BC trustee, Bob Liddy, K8BL)



Web site: www.lcara.org

To receive the Patch via email in PDF format Send an e-mail to lcara_patch-subscribe@yahoogroups.com

The Lake County Amateur RADIO ASSOCIATION

LCARA 2019 Future Events

LCARA 2019			
DATE	EVENT	TIME	TRAILER
JUNE			
9	Sunday-in-June Bike-Ride Burton	0530—1600	Y
16	Lake Health Hill – Yeah! Half Marathon	0700—1400	Y
21	Field Day Set-up	1400—1800	N
22	Field Day	1400—0000	Y
23	Field Day	0000—1500	Y
JULY			
3	Mardi-Gras Parade	1500—2100	?
6	Civil War Era Music Garfield	0900—1600	Y
28	LCARA Picnic Lakeview Shelter Perry	1000—1500	
AUGUST			
25	National Park Service Anniversary Garfield	0900—1500	Y
SEPTEMBER			
7	OSPOTA	0800—1500	Y
14	Touch-a-Truck	0800—1500	Y
28	National Public Lands Garfield	0900—1500	Y
OCTOBER			
?	S.E.T. Exercise		
6	Lake Health Northern Ohio Marathon	0600—1600	Y
DECEMBER			
5	Home for the Holidays LCHS	0900—1600	N
6	Home for the Holidays LCHS	0900—1600	N
7	Home for the Holidays LCHS	0900—1600	N
8	Home for the Holidays LCHS	0900—1600	N

December 2019

LCARA CALENDAR OF EVENTS



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 ARES NET 7:30 (147.21)	3	4 LCARA Club Meeting 7:30	5 LCARA Meeting Net 7:00 (147.21)	6	7 VE Testing Kirtland Library (noon)
8	9 ARES NET 7:30 (147.21)	10	11 LCARA Board Meeting 7:00 (Tri-Point)	12 LCARA Meeting Net 7:00 (147.21)	13 LCARA Holiday Dinner 5:30 – 9:30	14
15	16 ARES NET 7:30 (147.21)	17 Breakfast 8:00 (Perkins)	18 10 Meter Roundtable 8:30 (28.450)	19 LCARA Meeting Net 7:00 (147.21)	20	21
22	23 ARES NET 7:30 (147.21)	24	25 <i>CHRISTMAS</i>	26 LCARA Meeting Net 7:00 (147.21)	27	28
29	30 ARES NET 7:30 (147.21)	31				