

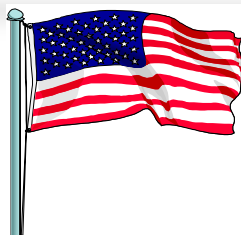


## The LCARA Patch

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

### LCARA Officers

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

### Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
Contest	Reno Tonsi	WT8C
DX	Jim Pyle	AA8OY
Field Day Chairperson	Jim Pyle	AA8OY
Program Director	Joe Koskovics	N8JKO
Historical Society	Bob Mekinda	K8QXO
History	Scott Farnham	KO8O
Publicity	Vance Roth	KA8YHZ
Communications	N8IJG, K8LPC &	W9LAC
Sunshine	Connie Tonsi	KB8ZZW
Trustee, N8BC	Bob Liddy	K8BL
Web Master LCARA	Bill Wihebrink	N8IJG



### May's meeting is at the Lake County Historical Society

415 Riverside Drive  
Painesville Township, Ohio 44077  
<http://lakehistorycenter.org/>

Meeting @ 7:30 pm on June 5<sup>th</sup>

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## Minutes from May 1, 2019 Meeting

### Board Members Present:

- KB8BKE – Ed - President
- K8LPC – Larry - Vice President
- W8QL – Rick - Secretary
- N8JKO –Joe - Director at Large

### Meeting Minutes:

- Ed – KB8BKE opened the regular club meeting at 7:30 PM with the pledge of Allegiance and a round of introductions. There were 21 members present.
- The one guest present was Scott Yonally.
- The presentation this evening was a Power Point Slideshow by Bill – N8IJG on SDR – Software Defined Radio. SDR is basically a computer-based radio scanner that uses a USB interface to a computer. The heart of the receiver is a dongle style tuner TV that plugs directly into the USB port of a computer. No internet connection is needed as the dongle has an antenna/RF input to receive wide spectrum radio signals from 500 Khz to upwards of 1.75 Ghz. The free software is open sourced and generally supports any one of a number dongle style interface tuners. It is important to match the software to the proper hardware while noting the features of specific software offerings. There is ability to configure the software for user preferences. Prices vary for the receivers from a few dollars to several hundred dollars. It was briefly noted that there are units capable of both transmitting and receiving. One system, “RTL-SDR”, was noted to be inexpensive and easy to program system for starting in SDR.
- The Patch was discussed with no changes or corrections needed.
- There was no correspondence
- The treasury was noted to be in good shape.
- Jim - AA8OY then gave an update talk on the upcoming Field Day event for 2019. Items to be addressed included the need to develop a new Saturday dinner. The steak dinner will come to an end after many years of a great banquet provided by Don Kocsis – WA8TWM. All thanked Don for his wonderful support to Field Day with the dinner. It will most likely be a semi-catered event with LCARA personnel helping with other food items. It was asked by Jim for people to propose what they would like. Bob – K8BL will copy the annual Field Day Bulletin. Mike – WB8ZGH will check out all of the generators for proper operation. Jim noted we are short on Field Day stations. He sent around the Field Day sign-up sheet. We would like to operate 5A.
- Jim – AA8OY gave the DX report noting many new great DX opportunities.
- Mike - WB8ZGH noted public service information about the 10 and 20 mile Drop Runs from Chardon to the Headlands Beach. Future public service opportunities will be Sunday in June bicycle ride on June 9, 2019 and the ½ marathon out of the Farm Park on June 16, 2019.

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Meeting minutes cont'd.

- Bob – K8QXO noted that we have a new managing director at the LCHS – Amy Capo (sp). There also may be an opportunity to move and expand the Radio Room to another room next to the existing radio room.
- Bill – N8IJG noted that all repeaters and support systems are up and running. He also noted that the ability of a nice, new feature of live streaming video on Youtube on just the first Thursday night net from his shack.
- It was noted that the National Parks on the Air will commence on July 6, 2019.
- Evan – W8LSQ noted that Larry WB8PHI gave a great presentation on antennas to GARA at a recent club meeting.
- Ed – KB8BKE noted that a Swap and Shop page has been added to the LCARA Website
- Bob – K8BL mentioned there were free QST's at tables at the rear tables in the club meeting room.
- Joe – N8JKO requested that we put any ham radio related news or articles on the club's Facebook page.
- Larry – K8LPC requested that we put items for sale on the website.
- No Sunshine Report
- The 50/50 raffle was held with a cash award.
- A motion was made to adjourn and was unanimously accepted by all.

Meeting adjourned 9:15 PM

Rick – W8QL

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### May Attendance

Ed, KB8BKE; Paul, KE8PP; Larry, WB8PHI; Melody, KB8QIB; Mike, WB8ZGH; Tom, N8UAZ; Bob, W2THU; Bill, W8IJG; Rick, W8QL; Bill, W8BBL; Bob, K8QXO; Neal, NF1X; Evan, W8LSQ; Joe, N8JKO; Bob, K8BL; Andy; Jeff, KC8LAR; Bob, N8KBX; Larry, K8LPC, Sally, N1BCF; Pete, W1BKZ

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

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From the corner office of the Vice President, Larry K8LPC

Greetings Everyone ☺

June is here and with a little luck I may be able to turn my boiler off. May was chilly for sure; but get ready for June.

May was a quiet month from a public service standpoint, but we've got plenty going on for this month. We'll start off June with Our VE testing group on June 1<sup>st</sup> at the Kirtland library, we have our monthly meeting on June 5<sup>th</sup>. On Sunday June 9<sup>th</sup> we have a big public service event, the Cleveland Touring Club "Sunday in June" Bike Ride which will be out of Century Village in Burton with our communications team directing operations from our communications trailer. On Sunday June 16<sup>th</sup>, we have the Lake Health Systems "Hill Yeah" run which will start and end at the Lake Farm Park; we will have our communications trailer at Penitentiary Glen Park. Mike WB8ZGH is looking for helpers, so if you have a few hours to help out, please contact Mike, our President Ed KB8BKE or myself and we'll find a job for you.

On June 22<sup>nd</sup> and 23<sup>rd</sup> we will have our "Field Day" at the Lake County Historical Society. Jim AA8OY is also looking for helpers to assist our Station Captains with fellow operators and people to assist with set-up and tear down. Please contact Jim AA8OY, Ed KB8BKE or myself for more detailed information. If you have some time to share, it will be another good time for sure and greatly appreciated. If you like those "Zombie" shows, just visit us around 4AM on Sunday ha ha., and don't forget that Mardi Gras in Fairport Harbor is soon to follow on July 3<sup>rd</sup>, so I'd ask each of you to check your calendars and see if you have some time to share with us.

If anyone has equipment that they would like to sell / swap or give away, please send me an e-mail. I will get the information to Melody KB8QIB so she may add it to our newsletter, let's help to stimulate the economy or at least make some room in our radio rooms. The same applies to "Wants", if you are looking for some gear, please let me know. Posting in our newsletter brings the information to a large audience. If you sell anything, please let me know so that Melody can keep the list current.

Our weekly nets continue, every Monday, we have the Lake County ARES Net time at 7:30PM; we have the LCARA Weekly Net on Thursdays at 7PM. These Nets are on our 147.21 repeater which requires a PI tone of 110.9. On Wednesdays we have our 10 meter roundtable on 28.450 at 8:30 PM. Please take some time to visit us on any or all of our Nets, we will be glad to have you, these are also posted on ARES Connect.

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

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### **Corner of the Vice President cont'd.**

Our next VE session will be on June 1<sup>st</sup> at the Kirtland Public Library beginning at noon. Please arrive a few minutes to get your paperwork in order before the testing session begins.

The next LCARA Board meeting will be at the Tri-Point Facility on Wednesday June 12<sup>th</sup> in the Board room at 7PM.

Our next breakfast gathering will be on Tuesday June 18<sup>st</sup> at the Perkins in Painesville. Come join us about 8 AM for good food and fellowship.

I'm looking forward to seeing everyone at the Lake County Historical Society on Wednesday June 5<sup>st</sup> at 7:30 PM, bring a friend ☺

***73 de Larry Caskey K8LPC***

***LCARA Vice President***

***K8LPC@ARRL.NET***



## BACKSCATTER

**123 Years Ago:** The first radio patent was issued to Guglielmo Marconi for wireless telegraphy apparatus.

The initial road test of the first Ford car was delayed an hour because the car was wider than the door of the shed in which Henry Ford built it. The problem was resolved with an ax, and he made the first successful test run on a nighttime drive through the streets of Detroit.

**42 Years Ago:** The first personal computer, the Apple II, went on sale. The invention of Steve Wozniak and Steve Jobs, it used a 6502 microprocessor, and had the ability to do Hi-res and Lo-res color graphics, sound, and had a joystick input and cassette tape I/O, plus eight expansion slots for adding peripherals. The clock speed was 1MHz, and with Apple's Language Card installed, memory size was 64kB. The Apple II was one of three personal computers introduced in 1977, and despite its higher price, it quickly pulled ahead of the TRS-80 and the Commodore Pet.

If you're wondering about the Apple I: It was an earlier computer that was not much more than a board. One had to supply the keyboard, monitor and case.

**40 Years Ago:** Less than a month after the .81/.21 tower fell in a storm, it's back up using new Rohn 25G, guyed four ways, at two levels. The 4-bay dipole antenna is repaired, and except for the use of RG-8 feedline instead of the usual Heliex, all is well.

Plans for the first LCARA field day are underway. A site in Thompson is secured, and a 10kw generator lined up. Those interested should contact Larry, WB8PHI.

Amateur gear for sale in a recent catalog includes Gonset, Hallicrafters, Galaxy and Heathkit.

**35 Years Ago:** Radio Officer Rusty, WA8HAR, describes good and bad reasons for "ker-chunking". Now once again, what is a ker-chunk?

Rumors abound of a Dxpedition to the Spratley Islands, to operate as 1S2CK.

**30 Years Ago:** Due to interference caused by an increasing number of RF neighbors in the Penthouse Suite, the Club considers moving the .21 input to a remote site. With the other inputs working through the Motorola voter at the main site, the move would be relatively simple.

In QRM es QRN es QSB de K8BL, Bob discusses the use of "73" vs "73's". Since 73 means Best Regards, 73's must mean Best Regards. Bob questions whether such perfectionism is important.



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Backscatter cont'd.

**25 Years Ago:** In another QRM es QRN es QSB de K8BL, Bob describes Dayton '94 as wet, cold, soggy and windy on the outside, and warm, muggy and dense on the inside. No wonder it was moved to May!

**20 Years Ago:** Top Ten reasons not to miss Field Day: Good food, it's free, nice view, anyone can operate, a chance to play with towers and beams, Dick Wilson needs help on 20, nothing else to do, and finally, in #1 place, you'll see people you haven't seen since last Field Day.

The ARRL Executive Committee plans to recommend a change not to the Association's name, but for it to be used in conjunction with the tag line "The National Association for Amateur Radio."

Jim and Cathie are planning a summer vacation/Dxpedition to St. Lucia. Look for J6/KF8VX and J6/KG8QL on all bands, SSB and RTTY.

**15 Years Ago:** Field Day chairman Jim, AA8OY declares "We need operators!!!"

**10 Years Ago:** The June LCARA meeting is held at Penitentiary Glen Park, with the program by Joe Phillips, K8QOE, ARRL's Ohio Section Manager.

Mike, WB8ZGH reports the EOC's repeater antenna has been knocked down by a contractor.

**5 Years Ago:** Joe, N8JKO after his first visit to the Dayton Hamvention, determines that it "falls somewhere between the 'Swallows return to Capistrano' (and) the 'Buzzards Return to Hinckley'".

LCARA Historian

Scott, KO8O



## **DX Alert, June 2019**

**5W – Samoa** - The Uruguay DX Club two station operation will be from Taufua Beach, Upolu Island in early June. They will be signing 5W0H from June 1-10. They plan to be QRV on CW and SSB on 80 through 6 meters.

**JD1/O – Ogasawara & JD1/M - Minami Torishima** - Japanese "CQ Ham Radio" magazine reports JF7MTO is on Ioto Island, part of Ogasawara, JF7MTO/JD1, staying until the end of the year. His work will sometimes take him to Minami Torishima.

**6Y - Jamaica** - June 26 to 28 JJ2RCJ, Kan, will be operating as 6Y3Y from the QTH of 6Y5WJ. Kan will be on FT8 on 80-10 meters. In fact he is planning to operate on two adjacent bands at the same time.

**E51/s - South Cook Islands** - E51SEA/ZL2SEA, is in Rarotonga to the end of November and plans to operate on 40, 20 and 15 SSB.

**JW – Svalbard** - JW2PG from Bear Island, operator Erling will start in June and go into November.

**E3 - Eritrea** - By E21EIC, Champ - E31A - The FGC Radio Team will be active from Eritrea until 3 Jun 2019.

**EL - Liberia**,. Dickson, EL2DT has been QRV on 20 meters using CW around 1830z.

**FR – Reunion Island**- Thomas, F4HPX is QRV as FR/F4HPX from Saint Denis until June 5. Activity is holiday style on 40, 20 and 15 meters using SSB, FT8 and some CW.

**SV – Greece** - Laci, HA0HW will be QRV as SW8WW from Thassos Island, IOTA EU-174, until June 5. Activity will be on 40 to 6 meters using mainly CW, with some SSB, RTTY and PSK.

**XU – Cambodia** - Franco, IU0CRW is QRV as XU7AKP while in Siem Reap. Activity is on 80 to 10 meters using CW and SSB.

**Happy hunting!**

**Jim, AA8OY**

**Thanks to ARRL DX and Weekly DX**



## Field Day 2019 Station Details

We plan to operate 6A

The confirmed stations are listed below:

75/15 SSB

Captain: KB8BKE

Location: LCARA Trailer

Antenna: KB8BKE

Radio: KB8BKE

Computer: KB8BKE

40 SSB

Captain: K8LPC

Location: LCHS

Antenna: K8LPC

Radio: K8LPC

Computer: K8LPC

20 SSB

Captains: KG8IU & N8IR

Location: On site building TBD

Antenna: LCARA Tower with tribander

Radio: KG8IU

Computer: KG8IU

40 CW

Captain: K8BL

Location: Barn

Antenna: K8BL

Radio: K8BL

Computer: K8BL

20/80 CW

Captain: AA8OY

Location: Barn

Antenna: LCARA Tower with tribander & dipole (K8BL)

Radio: AA8OY

Computer: AA8OY

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### **Field Day 2019 Station Details cont'd.**

Digital

Captain: W8QL

Location: LCHS

Antenna: Dipole

Radio: W8QL

Computer: W8QL

No input has been received regarding a VHF station so far.

We are finalizing dinner arrangements. We have had a volunteer, Andy Fortier, offer to cook hamburgers, brats and hot dogs. Thanks, Andy. The side dishes will be catered as well as welcoming member-supplied dishes and desserts. There will be a \$10-\$15 charge to offset the expenses for the all you can eat dinner. It's important that you let Ed Kopcek know if you will be attending dinner and/or lunch on Sunday so sufficient quantities of food can be ordered . Let Ed know your plans by June 14 at the latest

Setup is scheduled for Friday afternoon, June 21 around 2:00 pm. Help is always appreciated.

Any further updates will posted

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.

## 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](mailto:scottfarnham@roadrunner.com)



## Breakfast Date for June 2019



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, June 18<sup>th</sup>** 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 **June 12<sup>th</sup>** @ 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.**

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### 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](mailto: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.



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For Sale or Swap cont'd.

### KA8VLA

MFG	Model	Device	QTY	Price
VHF Engineering	RPT-144	Repeater	1	
Wacom	WP-735-1	Duplexer	4	
Decibel Products	DB-4001	Duplexer	1	
Scom	7K	Controller	1	
Heathkit		Linear AMP	1	
		Receiver	1	
		Cabinet	1	

System is set up for 145.33

The system was up and functional until it was shut down, I can't remember when we shut it down, maybe ten years ago.

I would take \$1000 for the system as is, if we need to break down the components I would need to be contacted and discuss.

The controller has the autopatch function as well as voice.

I can be contacted via email [pum1@roadrunner.com](mailto:pum1@roadrunner.com)

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### Events Contact Info.

Event	Contact	Location	Date
ARES	WB8ZGH <a href="mailto:mgoffos@ymail.com">mgoffos@ymail.com</a>	147.210 MHz	Mondays 1930
Two Meter Net	Bill N8IJG <a href="mailto:n8ijg@arrl.net">n8ijg@arrl.net</a>	147.210 MHz	Thursdays 1900
Ten Meter Roundtable	WB8ZGH <a href="mailto:mgoffos@ymail.com">mgoffos@ymail.com</a>	28.450 MHz	Wednesdays 2030
LCARA Board Meeting	Tri-Point Board Room	Tri-Point Medical	Wed. 5/8 1900
VE Testing	Scott, KO8O, at 440-256-0320	Kirtland Library	Sat. 6/1 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](http://www.lcara.org)

**To receive the Patch via email in PDF format** Send an e-mail to [lcara\\_patch-subscribe@yahoogroups.com](mailto:lcara_patch-subscribe@yahoogroups.com)

***The Lake County Amateur RADIO ASSOCIATION***

## LCARA 2019 Future Events

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

# June 2019

## LCARA MONTHLY CALENDAR



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 VE Testing (Kirtland Library) 12:00p
2	3 ARES Net 7:30 (147.21)	4	5 LCARA Meeting (LCHS) 7:30	6 LCARA Weekly Net 7:00 (147.21)	7	8
9 Sunday-in-June Bike Ride Burton 5:30 – 4:00	10 ARES Net 7:30 (147.21)	11	12 LCARA Board Meeting (Tri- Point) 7:00	13 LCARA Weekly Net 7:00 (147.21)	14	15
16 Lake Health Hill – Half Marathon 7:00–2:00	17 ARES Net 7:30 (147.21)	18 Breakfast 8:00 (Perkins)	19	20 LCARA Weekly Net 7:00 (147.21)	21 Field Day Set-up 2:00 – 6:00	22 Field Day 2:00 – 00:00
23 Field Day 00:00 – 3:00	24 ARES Net 7:30 (147.21)	25	26	27 LCARA Weekly Net 7:00 (147.21)	28	29
30						