

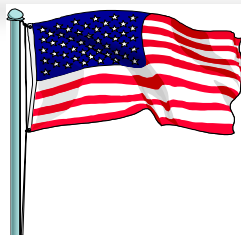


The LCARA Patch

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

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August's meeting is at the Lake County Historical Society

415 Riverside Drive

Painesville Township, Ohio 44077

<http://lakehistorycenter.org/>

Meeting @ 7:30 pm on August 7th

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BACKSCATTER

125 Years Ago: The first wireless transmission using Morse code was demonstrated by Oliver Lodge during a meeting of the British Association at Oxford. A message was transmitted about 150 yards from the old Clarendon Laboratory to the University Museum. However, as he later wrote, the idea did not occur to him at the time that this might be developed into long-distance telegraphy. "Stupidly enough, no attempt was made to apply any but the feeblest power, so as to test how far the disturbance could really be detected. This predated the work of Guglielmo Marconi, who began his experiments two years later in 1896.

59 Years Ago: The first human-made object was recovered from space when a capsule ejected from Discoverer 13 was retrieved after returning from orbit.

40 Years Ago: LCARA's monthly meeting is held at Painesville's AM radio station, WPVL, with a tour conducted by General Manager, Gary Kneisley.

Items for sale by members include a Western Union Model 22 Reperforator, a 12 channel 2 meter FM rig, and a Gonset Gooney Bird 2 meter AM transceiver that "works fine" for only \$15.

38 Years Ago: IBM introduced its personal computer for \$1,600. It was developed in less than a year at IBM's Boca Raton Florida facility by using existing off-the-shelf components and established the dominance of Microsoft's operating system. The IBM PC hardware design became the industry standard for PC compatibles. Its Intel 8080 processor speed was 4.77 MHz, and was available with 16K up to 640K of memory. Data storage choices included 5.25" floppy drives, cassette tape, and eventually hard disks.

35 Years Ago: Fred, K8UET reports we have enough orange Maxwell House Coffee can lids to get a free percolator!

The FCC announces effective January 1, 1985, it will no longer conduct Amateur Radio examinations. The ARRL is still debating whether it will become involved in the VEC program.

The ARRL is now available via computer! MCI Mail users can leave messages to the ARRL for only \$1. Compuserve users can look at the ARRL Letter on the HamNet database for free.

Dayton '84 saw the introduction of Packet radio equipment. The device, called a TNC, or Terminal Node Controller, is offered by both AEA and TAPR.

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Backscatter cont'd.

30 Years Ago: LCARA sets a new Field Day record with 11,674 points! Field Day Chairman Don, WA8TWM reports the K8BL (plus Novice/Tech station N8GAK) effort went smoothly, with only one tower falling during erection.

25 Years Ago: LCARA sets yet another Field Day record, with more than 2700 additional points over the previous high. Bob, K8BL reports happily that for the first time, there are more CW QSO's than phone.

Speaking of Field Day, the Fire Department visits the Lake County Historical Society, our Field Day's operation QTH. Apparently RF can get into alarm systems

20 Years Ago: Jim McAdams, KF8VX was presented with his LCARA DX award by Reno, WT8C for working 120 countries. An endorsement sticker was given to Jim Pyle, AA8OY for 175 countries.

A bill is introduced to Congress to permit state or local governments to pass and enforce laws prohibiting unauthorized Citizen Band equipment. The bill contains provisions specifying possession of a FCC license in any service—including the Amateur Service—would preclude action by state or local government.

15 Years Ago: AMSAT-NA's new Echo satellite (AO-51) will be turned on for general FM repeat use for a trial period of three weeks. With an uplink of 145.920 MHz with CTCSS of 67 Hz, and downlink of 435.300 MHz, it will operate just like a terrestrial FM repeater with a one second kerchunk filter and a ten second hang time.

5 Years Ago: Field Day chairman Jim Pyle, AA8OY reports there were "no casualties other than ... mosquito bites and a tree root which is still claiming one of our base plate stakes.

Joe, N8JKO is reported to be "cleaning out his extended storage cavern ... AKA his basement, and is offering two, working 25-inch televisions sets FREE to a good home.

LCARA Historian

Scott, KO8O



DX Alert, August 2019

GEORGIA, 4L - Peter, G4ENL is now living in Tbilisi for the next few years and plans to be active as 4L/G4ENL. Activity is on various HF bands using SSB.

TANZANIA - 5H. Fabian, DF3XY plans to be QRV as 5H1XY from Zanzibar Island, IOTA AF-032. Activity will be on various HF bands.

THE GAMBIA - C5. Przemek, SP3PS plans to be QRV as C5SP from Sanyang from July 23 to August 5. Activity will be on 20 to 6 meters using SSB and FT8.

SARDINIA -ISO. Richard, OM2TW plans to be QRV as ISO/OM2TW from July 21 to August 3. Activity will be holiday style on 80 to 10 meters using CW, SSB and various digital modes.

VIET NAM - XV. Sven, HB9DXB will be QRV as XV9DXB beginning July 20 and active for two to three weeks. Activity will be on 80, 40, 20 and 15 meters using CW and SSB.

VANUATU - YJ. Geoff, ZL3GA will be QRV as YJ0GA near Efate, IOTA OC-035, from July 21 to August 2. Activity will be on the HF bands using CW, SSB and FT8.

GHANA - 9G. - Over the last couple of days the Ho Technical University club station 9G2HO has been very active. "It is clear they are trying hard but working with some challenges"

ST. KITTS – V4. W5JON, John, will again put V47JA on the air, this time July 19 to August 11. John will be on SSB and FT8, 160-6M, emphasizing 6M FT8.

BERMUDA – VP9. W9HT, Josh, will be on Bermuda as W9HT/VP9 from August 1-6. He will be on 6 meters and HF.

Happy hunting!

Jim, AA8OY

Thanks to ARRL DX and Weekly DX



FIELD DAY RESULTS

All necessary data were received from the station captains, compiled into the correct format for ARRL submission, submitted and accepted.

Thanks to the efforts of several people, we were able to claim 1670 Bonus points for activities in addition to operating and making QSOs,

From the operating front, we were 6A plus a solar powered station and made 1213 CW, 13 Digital, 622 SSB and 7 solar power QSOs. Our total score was 7818. This is down slightly from last year but I must point out poor propagation was again the main reason.

Again, I would like to thank everyone who participated, assisted with the dinner arrangements and supporting activities to make Field Day a successful event.

For next year, we need to review our antenna locations. Any comments or suggestions on how to improve Field Day are always welcome.

Jim, AA8OY

Field Day Chairman

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



Breakfast Date for August 2019



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, August 20th** 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 **August 14th** @ 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)

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.

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

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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@arrl.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. 8/14 1900
VE Testing	Scott, KO8O, at 440-256-0320	Kirtland Library	Sat. 8/3 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

Something fun.....

This is absolutely real time...very cool! (Best viewed on full-size monitor.)

Every day we see planes, sometimes very high, with or without con-trails. Have you ever wondered what plane is flying overhead and where it is going? Airbus A320, 330, Boeing 727, 747 or some other manufacturer. What altitude, what speed, what airline?

Now you can see all this information instantly. You can watch the plane whose vapor trail you can see overhead move across the land and see what the plane is flying over. It is fascinating to see how many aircraft are flying in your area. I can now see why an air traffic controller is one very, very busy person.

A note to help you get more out of your visit to the site. This shows all the aircraft in the air right now. In the left-hand column, there is a box called "planes". The number in the box is the number of aircraft airborne. This view is what the various airport air traffic management people see for planning purposes.

Some additional tricks: Drag the map to take you to the area you want to view. To view your region or town, you can zoom in by tapping with your mouse. When you double click on a airplane, the left screen will show all the related information - airline, plane type, air speed, altitude in real time that is re-calculated every 10 seconds. On some, you can also click on view from the cockpit. A few planes will show as 'blocked', and these are likely military aircraft.

IT WORKS FOR THE WHOLE WORLD

[Live Flight Tracker - Real-Time Flight Tracker Map | Flightradar24](#)

Also: [MarineTraffic: Global Ship Tracking Intelligence | AIS Marine Traffic](#) shows ships anyway in the world.



Live Flight Tracker - Real-Time Flight Tracker Map | Flightradar24

The world's most popular flight tracker. Track planes in real-time on our flight tracker map and get up-to-date ...

MarineTraffic: Global Ship Tracking Intelligence | AIS Marine Traffic

MarineTraffic Live Ships Map. Discover information and vessel positions for vessels around the world. Search the...

MAP that shows the winds across the USA in “real time”

Here's a Map that shows the Winds across the USA in "real time."

Enjoy, Bob K8BL

<http://hint.fm/wind/>

[Wind Map](#)

August 2019

LCARA CALENDAR OF EVENTS



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3 VE Testing 12 (noon) (Kirtland Library)
4	5 ARES NET 7:30 (147.21)	6	7 LCARA Meeting 7:30	8 LCARA Weekly Net 7:00 (147.21)	9	10
11	12 ARES NET 7:30 (147.21)	13	14 LCARA Board Meeting 7:00 (Tri-Point)	15 LCARA Weekly Net 7:00 (147.21)	16	17
18	19 ARES NET 7:30 (147.21)	20 Breakfast 8:00 (Perkins)	21 10 Meter Roundtable 8:30 (28.450)	22 LCARA Weekly Net 7:00 (147.21)	23	24
25 National Park Service Anniv. Garfield 9-3	26 ARES NET 7:30 (147.21)	27	28 10 Meter Roundtable 8:30 (28.450)	29 LCARA Weekly Net 7:00 (147.21)	30	31