



The LCARA Patch



10 METER ROUNDTABLE
WEDNESDAY @ 20:30 HRS
28.450 MHz

www.lcara.org
<https://groups.io/g/lcarapatch>
<https://www.facebook.com/groups/LCARAofOhio/>

LCARA TWO METER NET
THURSDAY @ 19:00 HRS
147.210/R - PL 110.9



LCARA Board

President	KB8BKE	Ed Kopcak
Vice President	KE8HJL	Tom Revolinsky
Secretary	KE8HJL	Tom Revolinsky
Treasurer	KB8BKE	Ed Kopcak
Director-at-Large	N8JKO	Joe Koskovics

Patch Staff

Editor: KB8BKE
DX: AA8OY
History: KO8O
Sunshine: Vacant

Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
Contest	Bob Liddy	K8BL
DX	Jim Pyle	AA8OY
Field Day Chair	Jim Pyle	AA8OY
History	Scott Farnham	KO8O
LCHS Liaison	Bob Mekinda	K8QXO
N8BC Trustee	Bob Liddy	K8BL
Planning	Tim WA8ZWO, Nate W1OLE	
Program Director	Joe Koskovics	N8JKO
Publicity	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Open	

***Our next club Meeting: September 6th, 2023
@ Lake County History Society***

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Message from the President

Greetings fellow travelers,

Our next club meeting will be held on September 6th, at the Lake County Historical Society. We will be also be having our rescheduled annual picnic, prior to the meeting, starting at 5:00pm.

We will provide the burgers, hot dogs, Italian sausages and beverages. Please bring a side dish or dessert to share if you can. The meeting will also be online via Zoom. Our guest speaker will be Scott Yonnaly (N8SY).

. It's been a rough past few days for everyone with the rain, wind and even tornados. Thankfully, no one was injured as far as we know. We even had an Earthquake to boot! Florida and the Gulf Coast region are preparing for Hurricanes. Who says nothing ever happens in August. Just goes to show the importance of having a plan for your safety and safety of your loved ones. Stay in touch, be prepared.

Hope everyone has a great Labor Day weekend!

Stay well and be safe.

'73

-Ed

Membership Meeting Minutes

Membership Meeting Minutes for 8, 2, 2023

Board Members Present:

KB8BKE – Ed Kopcak, President / Treasurer
KE8HJL – Tom Revolinsky, Vice President / Secretary
N8JKO – At Large

Attendees:

Ed KB8BKE	Tom KE8HJL
Joe N8JKO	Jim AA8OY
Larry WB8PHI	Cal W8BZB
Paul KE8PP	Mike WB8ZGH
Jo KB8SZQ	Tom KD8SJG
Scott N8SY	Jack KB8OF
Neal NF1X	Mike KD8IVL
Bill N8IJG	Ron NU8N
Bob N8KBX	Bob K8BL
Nate W1OLE	Don WA8TWM

Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:29 p.m.
- This meeting took place virtually via Zoom

President – Ed (KB8BKE) mentioned:

- The motion to accept the minutes for the last meeting in June was accepted. Joe and Mike

Speaker: None

Member At Large: Joe (N8JKO)

- The picnic is still a go from 4pm to 9 pm at Chagrin River Park – West Side off 1000 Rural Road in Eastlake on Aug 12th. We will start set up around 3pm. Everyone is encouraged to bring a dish to share. The club will provide beverages, dogs, burgers and sausages. Please RSVP with number of guests on the Website so we can plan for food.
- We have the following speakers scheduled:
 - Scott Yonally - September
 - Project Dawn (Opioid Crisis / Narcan) - October
 - Doug Friedt (MARS) - November.

New Business:

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- Breckenridge remote input been relocated to UH Lake West. Additional work will be done on the Repeater on Tri – Point to align the equipment.
- A discussion was had on the American Red Cross Northeast Ohio Shelter in East Cleveland.
- Bob – K8BL – has free passes to get into the Warren Trunk fest at Mosquito Lake
- If anyone needs a go bag – Marks has backpacks from \$7 to \$14.

Radio / Repeaters: Bill N8IJG:

- He will be live streaming the Thursday net on YouTube.
- The repeaters are working well.

Secretary Report: Tom (KE8HJL)

- 62 total members paid so far this year.

Treasurer Report: ED (KB8KBE):

- Treasury is in good shape
- All filings completed
- Our website can accept credit card payments for memberships..

Sunshine:

- No Report

DX Report: Jim (AA80Y)

- Not a lot of DX activities going on

Public Service: Mike (WB8ZGH)

The 10-meter net is still up and running

Upcoming events:

- Lighthouse Half Marathon on 8/6.

Historical Society: Bob K8QXO:

- All Quiet

ARRL Liaison: Bob (W1THU)

- Scott N8SY is running for ARRL Great Lakes Division Director.
- Joe asked a question on the cost of ARRL's membership. The cost of membership will be \$84 to include the print version of the magazines due to the cost of paper. The cost of membership with digital information will be \$49. January 1st digital will be \$59.
- There will be changes to add programs that will bring additional information to members and to help club leadership understand their position.

VE Testing: Don (WA8TWM)

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No Report

Ohio Legislative Liaison: Bob (W2THU)

No Report

ARES: Ed (KB8BKE)

- No report

Nets: Joseph (N8JKO).

Monday: 7:30 pm. – Lake County ARES Training Net – 147.210 (pl 110.9) – (b/u 147.255 – pl 110.9)

Wednesday: 8:30 pm. – Lake Co. ARA 10 Meter Round-Table Net – 28.450 MHz +/-

Thursday: 7:00 pm. – Lake Co. ARA 2 Meter Net – 147.210 (pl 110.9)

Meeting adjourned at: 8:30 p.m.

Tom (KE8HJL)



Sunshine Report:

Ray Hounshell KG8GF - SK

Ray Hounshell, age 64 of Mentor, passed away Friday, August 11, 2023, at home surrounded by his loving family. He was born January 14, 1959, in Painesville, OH.

Ray was the owner-operator of Ray's Septic Tank Cleaning Company for 45 years and worked as a bus mechanic at Kirtland Schools for 9 years. Most recently he worked at Deepwood Center in Mentor.



Ray was a member of the Lion's Club. He loved and owned several motorcycles. He was a member of the V Twin Cruisers. He rode in multiple benefit runs. He loved history. He had a gentle soul and a gigantic sense of humor. Most of all, he loved, accepted and cared for his family members and friends boundlessly. He left a legacy of integrity and love for mankind that will never be replaced.

Survivors include his mother Genevieve Hounshell; siblings: Laura (Bill) Scholes, Aletha (Xaysana) Vathananonh, and Tim (Cindy) Hounshell and many nieces, nephews, and other family members.

He was preceded in death by his father, Loyd Hounshell and siblings: Diana L. Hounshell and Edward Loyd Hounshell.

A celebration of Ray's life was held Saturday, August 26, 2023, at Freedom Assembly of God, 5420 West Heisley Rd., Mentor, OH 44060.

Private family inurnment will be held at Mentor Cemetery at a later date.

Contributions may be made in care of the family.

Backscatter for September 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

141 Years Ago: Sept 4. The first central electric station to supply light and power is built by the Edison Electric Illuminating Company at 257 Pearl Street in New York City. The station's "Jumbo No.1" generator was a direct-current steam-powered dynamo, with the armature alone weighing 6 tons. Initially it could power about 700 sixteen candlepower lamps, and within 14 months served 508 subscribers and powered 12,732 bulbs.

122 Years Ago: VLF. Prof. R. A. Fessenden applied for a U.S. patent for "Improvements in apparatus for the wireless transmission of electromagnetic wave ... and reproduction of words or other audible signals." According to the U.S. Dept of Commerce, "It appears that in connection with this apparatus there was contemplated the use of an alternating current generator having a frequency of 50,000 cycles per second.

78 Years Ago: The first "bug" in a computer program was discovered by Grace Hopper. A moth was removed with tweezers from a relay and taped into the log.

69 Years Ago: On September 20, the first FORTRAN computer program was run. John Backus at IBM supervised the development of the programming language that would allow users to express their problems in commonly understood mathematical formulae. By 1958 the language was expanded to Fortran II, which included subroutines, functions and common blocks. Then in 1962, Fortran IV was born.

65 Years Ago: Sept 12 Jack Kilby demonstrated a miniaturized electronic circuit to his supervisor at Texas Instruments, now recognized as the first integrated circuit.

45 Years Ago: The 81/21 repeater now has auto patch capability. Thanks to Ed, WB8ZGK and others, this state-of-the-art system allows members to phone from their cars.

The repeater's call changes from WD8DQW/R to WA8HAR/R. Dave, WD8DQW, takes a new job, and moves out of the area.

40 Years Ago: Motorola agrees to supply an HT for space shuttle flight STS-9 and astronaut Owen Garriott, W5LFL, will be the first ham in space.

Ken, N8EIH, and XYL Deena are the fox(s) for the club hunt, disguised as a young couple parked beside a bridge over Cascade Falls. Winner Mike, WD8IVL, explains his 1st place finish, saying he knew the area well from his high school days.

35 Years Ago: LCARA launches an "Information Net", meeting on 21, Thursday evenings at 9PM.

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Times change. Bob, K8BL, encourages use of the repeater for DX spotting.

30 Years Ago: Bruce, N8LXS, announces the start of his new company, RF Applications, to design and manufacture amateur radio accessories. His first product is an auto ranging digital wattmeter.

Bob, K8BL makes Honor Roll.

25 Years Ago: The FCC releases NPRM 98-143 detailing its proposal for license restructuring.

15 Years Ago: Mike, WB8ZGH, reports on the August 14th blackout. 81/21 was up, powered by the hospital's emergency generator. Lake County ARES/RACES was on standby, and the EOC was partially activated. But with phones continuing to function, and the cellular system fine by 7 PM, everyone went home by 11 PM.

15 Years Ago: Now **THAT'S** DX. The program at the September club meeting will be Hal Braschwitz, W8PN talking about radio astronomy.

10 Years Ago: LCARA joins with the Lake County Historical Society and creates an amateur radio display and station at the Historical Society's museum.

Bob Liddy, K8BL discusses his introduction to amateur radio and his first receiver, a Hallicrafters S-107.

5 Years Ago: Melody Leasko, KB8QIB takes over as editor of The Patch.

What did the ham say when he got shocked? "That hertz."

DX Alert

by: *Jim Pyle AA8OY*



September 2023 DX Alert

ZD9 - Tristan da Cunha and Gough Islands - Between September 24th to October 22nd, Yuris, YL2GM, expects to be operating as ZD9W. He will be on all the bands, 160-6, using CW, SSB and FT8. On 6M, it will be FT8 only. On CW he will always listen up one or more kHz. He will likely go by regions of the world at times. On FT8 if you see RR73 from ZD9W you are in the log and you can stop transmitting.

ZL7 - Chatham Islands - ZL3IO, Holger, says things are shaping up for his ZL7 - Chatham Islands trip as ZL7IO. He goes for "about" two weeks at the end of September but will be there during the CQ World Wide DX Contest, RTTY, on September 23-24.

9Q - Democratic Republic of the Congo - Vlad, OK2WX will be QRV as 9Q2WX until September 9. Activity will be on 80 to 6 meters using CW, SSB, and various digital modes.

C2 Nauru - Phil, 3D2TS is QRV as C21TS. Activity is on the HF bands using FT8 and possibly CW and SSB.

E51/N – Northern Cook Islands - E51D, George, will soon begin a three-week operation on Penrhyn Atoll (OC-083), the northernmost island of the Northern Cook Islands in the South Pacific Ocean. The team will be on 160-6M.

8P – Barbados - N9GB, Greg, has been issued the call sign 8P9GB for his operation September 8-15. He will be on 60-10M, SSB in the local afternoon, CW in the evenings and possibly very early morning, and maybe FT8.

DU – Philippines - W6QT, Mike, will be operating as DU3/W6QT from September 1, 2022 to January 31, 2024. He will be on 80-6M SSB, FT4, FT8, and other digital modes.

JW – Svalbard - LA6VDA, Tom, will be active again as JW6VDA from the Svalbard Amatørradioklubb until September 6.

V4 – Saint Kitts and Nevis - W5JON, John, will be active as V47JA from Saint Kitts (NA-104) until September 12. He will operate SSB and FT8 on the HF bands and 6M.

VK9 – Lord Howe Island - K7AR, Al, and W7YAQ, Bob, are planning a trip to Lord Howe Island September 20-October 4. This time period includes the CQ World Wide DX Contest, RTTY, as a multi-operator, single transmitter entry. They have been issued the call sign VK9LAA, as requested.

ZA – Albania - ZA/DL1DAW, Achim will be on holiday September 4-11. Achim plans to operate 80-10M CW, SSB, RTTY, and FT8.

ZA – Albania - SV1ENG, Antonis, will operate as ZA/SV1ENG in Lucove, southwest Albania, from September 22 to October 1. He will be on 40-10M, mostly CW.

Happy hunting!
Jim, AA8OY

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Upcoming Contests: (from the OSJ/WA7BNM)

All Year	CQ DX Marathon	http://bit.ly/3FyPiui
Sept. 2	AGCW Straight Key Party	https://www.agcw.de/contest/http/http-en/
Sept. 2-3	All Asian DX Phone Contest	https://bit.ly/3CrQCho
Sept. 2-3	Colorado QSO Party	http://ppraa.org/coqp
Sept. 2-3	G3ZQS Memorial Straight Key Contest	https://www.fistsna.org/operating.html
Sept. 2-3	PODXS 070 80M Sprint	http://bit.ly/2MkaaNt
Sept. 3-4	Tennessee QSO Party	https://tnqp.org/rules/
Sept. 4	RSGB Autumn Series SSB	https://bit.ly/3TxCrxl
Sept. 4-5	MI QRP Labor Day CW Sprint	https://www.miqrp.net/contest
Sept. 6	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
Sept. 9	FOC QSO Party	http://www.g4foc.org/qsoparty
Sept. 9-10	Alabama QSO Party	http://alabamacontestgroup.org/aqp/rules/
Sept. 9-10	Worked All Europe SSB Contest	https://bit.ly/36ubggf
Sept. 9-11	ARRL September VHF QSO Party	http://www.arrl.org/september-vhf
Sept. 10	North American CW Sprint	http://ncjweb.com/Sprint-Rules.pdf
Sept. 13	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
Sept. 13	RSGB Autumn Series CW	https://bit.ly/3TxCrxl
Sept. 14	Bavarian Contest Club QSO Party	https://bit.ly/42VQn9f
Sept. 16	Feld Hell on Wheels Sprint	http://bit.ly/2JcbOwW
Sept. 16-17	ARRL 10 GHz and UP Contest	http://www.arrl.org/10-ghz-up
Sept. 16-17	Iowa QSO Party	http://www.w0yl.com/IAQP
Sept. 16-17	New Hampshire QSO Party	https://w1wqm.org/nh-qso-party/
Sept. 16-17	New Jersey QSO Party	http://bit.ly/1nDlf8V
Sept. 16-17	QRP Afield	http://bit.ly/2QACxFu
Sept. 16-17	SARL VHF/UHF Digital Contest	http://bit.ly/H0IqQf
Sept. 16-17	Scandinavian CW Activity Contest	https://www.sactest.net/blog/
Sept. 16-17	Texas QSO Party	http://txqp.net/
Sept. 16-17	Washington State Salmon Run	http://salmonrun.wwdxc.org/rules/
Sept. 17	BARTG Sprint PSK63	http://bartg.org.uk/wp/contests/
Sept. 17	North American RTTY Sprint	http://ncjweb.com/Sprint-Rules.pdf
Sept. 18	RSGB FT4 Contest Series	https://bit.ly/3TxCrxl
Sept. 20	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
Sept. 28	RSGB Autumn Series Data	https://bit.ly/3TxCrxl
Sept. 23	AGCW UHF/VHF Contest	https://www.agcw.de/contest/vhf-uhf/
Sept. 23-24	Maine QSO Party	http://www.ws1sm.com/MEQP.html
Sept. 23-24	CQ WW RTTY DX Contest	http://www.cqwwrtty.com
Sep.30-Oct. 1	UK/EI DX Contest, CW	https://www.ukicc.com/dx-contest-rules.php

Check out the WA7BNM Contest Calendar page (<https://www.contestcalendar.com/>) and CQ Magazine for more contests or more details. I also have a comprehensive list that can be imported to your calendar at www.aj8b.com/files

Upcoming Ham Fests: (from the OSJ)

09/10/2023 - [Findlay Hamfest](#)

Location: Findlay, OH

Sponsor: Findlay Radio Club

Website: <http://findlayradioclub.org>

[Learn More](#)

09/24/2023 - [Cleveland Hamfest](#)

Location: Berea, OH

Sponsor: Hamfest Association of Cleveland

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

[Learn More](#)

ARRL News:

[The K7RA Solar Update](#)



Five new sunspot groups emerged this week, one on August 17, another August 18, two more on August 21 and another on August 22. [Read More](#)

[Tropical Storm Hilary: Amateur Radio Activates](#)



Amateur Radio operators activated on Sunday, August 20, 2023 to provide communications and information for Tropical Storm Hilary [Read More](#)

[Devastating Hawaii Wildfires Prompt Response from Amateur Radio Emergency Service](#)



ARRL is closely following updates from the Hawaii Amateur Radio Emergency Service, Hawaii ARES, as amateur radio operators respond following deadly wildfires on the Hawaiian island of Maui. [Read More](#)

Ohio Section News:

2023 Simulated Emergency Test Guidelines Test Your Readiness on October 7 - 8

ARRL's Simulated Emergency Test (SET) is October 7 - 8, 2023, and this nationwide exercise is the chance to test your personal emergency-operating skills and the readiness of your communications equipment and accessories in a simulated emergency-like deployment.

ARRL Field Organization Leaders at the section and local levels, and many other volunteers that are active in public service and emergency communications, are developing simulated emergency-like scenarios in consultation with a variety of agencies and organizations for whom radio amateurs are known to provide service during emergencies.

Please remember that station readiness and personal training and practice are tenets of the Amateur Radio Service. Any time we spend on the air will contribute to developing and practicing our personal radio communication capability.

The ARRL's Amateur Radio Emergency Service ® (ARES®), the National Traffic System (NTS), the Radio Amateur Civil Emergency Service (RACES), SKYWARN ™, Community Emergency Response Team (CERT), Salvation Army Team Emergency Radio Network (SATERN), and other allied groups and public-service oriented radio amateurs are among those who are eligible to participate in the simulated exercise and to practice emergency operation plans, nets and procedures.

For the 2023 Simulated Emergency Test, there will be bonus points for cooperation with Army MARS stations and sharing information between MARS and amateur radio stations. Please refer to the reporting form to calculate the bonus points.

Please stand by for new 2023 SET reporting forms that will be posted among the resources on the Public Services/Field Services Forms page here on the ARRL Web site.

Ohio Section Cabinet

Section Manager – Tom Sly, WB8LCD	Section Traffic Manager – David Maynard, WA3EZN
Section Emergency Coordinator – Bret Stemen KD8SCL	Section Youth Coordinator – Anthony Luscre, K8ZT
Technical Coordinator – Jeff Kopcak, K8JTK	Affiliated Clubs Coordinator – Amanda Farone – KC3GFU
State Government Liaison – Bob Winston, W2THU	Public Information Coordinator – Elizabeth Klinc - KE8FMJ

LCARA Events:

9/6 Rescheduled Picnic LCHS

9/9 Ohio State Parks on the Air Mentor Headlands State Park

9/16 Touch-a Truck Willoughby Hills Municipal Center

Other Local Events

Geauga Emergency Amateur Radio Service- Help wanted

Help GEARS volunteer at the 201st Great Geauga County Fair!

Help GEARS in the following roles:

- Dispatch and drive golf carts to help people get around the fairgrounds and to and from the parking lot.
- Staff the sheriff's office building outside of Gate 1.
- Walk the fairgrounds to provide eyes and ears for the on-duty fire departments and the sheriff's office.
- Perform other miscellaneous tasks to assist the sheriff's office and fire departments.

When

August 31st, 2023 9:00 AM to September 4th, 2023 8:00 PM

Location

14373 N CHESHIRE ST
BURTON, OH 44021-9574
United States

Contact

Email: info@ohiogears.org

Ham Radio Trivia Quiz (Answers on page 25)

Railroad telegraphers never used 'Vibroplex' keys or 'BUGS' in sending Morse Code: true or false?

A: True

B: False

What was the first three element vacuum tube called?

A: valve

B: radio tube

C: audion

D: detector

75 Ohm coax may be used for amateur radio stations for both transmitting and receiving applications.

A: False

B: True

The Kraus Approximate Formula is used to calculate

A: circuit bandwidth

B: antenna beamwidth

C: antenna gain

D: circuit Q

The KA6 prefix was first used in what area?

A: California

B: US Personnel in Japan

C: Antarctica

D: North Pole Research Stations



HAM EXAMS in 2023

Held At

KIRTLAND PUBLIC LIBRARY

The Lake County Amateur Radio Association is once again holding its Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following remaining dates:

Saturday, October 7
Saturday, December 2

This bi-monthly schedule is the first Saturday of every even-numbered month (e.g., February being the second month, etc.). They are held at the Kirtland Library, 9267 Chillicothe Road. It is 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 a 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. Please note **the FCC requires you to provide a FRN** (FCC Registration Number). Social Security Numbers are no longer accepted. If you are new to ham radio and don’t have a FRN, Google “New FRN” and follow the fcc.gov link.

If you are currently licensed, be sure to **bring a copy of your license to the exam**. The cost of the exam itself 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

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In addition to the \$15 test fee, the FCC now charges \$35 to add you to the Amateur Radio database. The FCC will e-mail successful candidates instructions for payment directly to them. Payment must be made within 10 days of the e-mail. This charge does not apply to upgrades.



LICENSE RENEWAL (revised)

Doing our VE Tests, I often am asked how to renew one's license. It's been five years since I checked, so it seems time to check how much the process has changed. The answer is ... \$35. Starting about a year ago, the FCC has added a fee to update the database. Now there are two steps:

- Step 1: Request an upgrade with the FCC. This costs between zero and \$15, depending on how you go about it. These \$\$ go to the ARRL or W5YI (see below).
- Step 2: Then pay \$35 directly to the FCC.

STEP 1:

This can be simple and free, or cost \$8, or cost \$15, or be a real PITA. Renewals can only be made within 90 days of expiration. If you're a little late, don't sweat it, as there's a two year grace period.

There are several ways you can go about requesting your license be renewed:

1. If you're an ARRL member (you are, aren't you ... it is the best deal in amateur radio, and they need your support to defend our frequencies), fill out the NCVFC Form 605, available in pdf from several sources if you Google "NCVFC Form 605". Then mail it with a note that it's a renewal request to: ARRL/VEC at 225 Main St, Newington CT 06111. It's free. If you do this, make sure your Form 605 is the Sept 2017 version or later, and include your FRN, which is probably on your current license. Check the "FCC ULS" database if it isn't. Note that social security numbers are no longer accepted.
2. If you're not an ARRL member, you can do the same thing, but enclose a \$15 check payable to ARRL/VEC with the form..

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3. You can have W5YI do it for you at www.w5yi.org Click on "License Renewals" along the left side of the screen and follow the instructions. This costs \$8. Or mail a completed NCVEC Form 605 and \$8 to them at W5YI-VEC, PO Box 200065, Arlington, TX 76006-0065
4. You can do it yourself directly with the FCC. Google "FCC ULS" Click on "UNIVERSAL LICENSING SYSTEM" then click "FILE ONLINE" which takes you to the FCC License Manager page and follow the instructions. This is NOT easy. Note that it has been reported the FCC no longer accepts paper requests for renewal.

If you really don't have a FRN number, on the FCC License Manager in 4 above, click on "Register with the FCC" and follow the instructions. Be sure to link your new FRN with your existing license. After receiving a FRN, you can go back to the ULS Home Page and click on ONLINE FILING to request an update/renewal to your license..

Regardless of which method you choose, if the US Postal Service is not involved, it may be as quick as one or two days. You are now ready go on to

STEP 2:

The FCC will e-mail you a request to pay \$35 via a credit card. This must be done within 10 business days. They will then change the database to show your new expiration date. They no longer mail licenses; you have to print it out from the FCC ULS site.

Scott KO8O

3rd Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is **September 19th** Join us at the Perkins Family Restaurant, 700 Mentor Avenue in Painesville. Attendees begin to gather around 8:00am Breakfast orders are taken around 8:30am.. Club membership is not a requirement to attend, and group averages 15-20 people from all around the area. A chance to meet other Hams, talk over the news of the day and maybe find a buyer for your spare equipment. Bring your significant other, or a friend, to breakfast. Good food and conversation await.



LCARA Board Meeting

Board Meeting



The LCARA Board currently meets virtually. We will resume in person meetings as soon as it is deemed safe to do so.

Board meetings are usually held at the Tri-Point Medical Center - Physicians Pavilion, lower level in Rm.1002, every 2nd Wednesday.

To find Rm. 1002 using the pavilion entrance, simply continue down the hallway into the hospital and past the food court. You may also enter via the hospital main entrance and take the elevator to the ground floor. The room is located just to the right of the main elevators. **All members are welcome.**

Our Weekly Nets

Lake County ARES Net

The ARES Net is held **weekly on Mondays at 7:30 pm on 147.210/R (b/u 147.255/R)**. This directed net is open to all licensed amateur radio operators. You do not need to belong to ARES to participate. This net is provided for operators to verify the proper operation of their stations equipment and capabilities, should they be called upon in the event of an emergency. Volunteer to be Net Control or Alternate Net Control. Prior experience is not necessary. Training will be provided. Everyone is welcome.

2 Meter Net

The 2 Meter Net runs **weekly on Thursdays at 7:00 pm on 147.210/R**. This is an informal net. Participant discussions vary on a range of subjects for the good of the group. It's a great time to ask questions, especially for new operators. List your items related to ham radio that you want to sell or swap and mention any sunshine reports you have to share. We also present the latest weekly edition of the ARRL Audio News. We are always looking for alternate net control operators.

10 Meter Roundtable

The 10 meter Roundtable meets **weekly on Wednesdays at 8:30 pm on 28.450 MHz +/-**. This is an informal roundtable where the group chats about anything that comes to mind and rag chew about any topic or events of the day. You don't need to be a LCARA member, just have at least a Technician license and some 10 meter gear. It's an opportunity to re-connect with friends or make some new ones. Anyone can start it off so don't be shy.

Other Weekly Nets

Monday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

20:00 – Geauga Emergency Amateur Radio Service Training Net – (check in on 146.940/R - then moves to 147.435/s)

Tuesday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

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18:45 – Buckeye (early) – 3.580

19:15 – Ohio HF Emergency Preparedness Net - 3.910 MHz (+/-) or 7.240 (+/-)

19:30 – Swap-N-Shop – 147.015 (pl 110.9)

19:45 – Ohio Digital Emergency Net - 3.584.5 (USB) - 1500 Hz data carrier offset – Olivia 8-500

21:00 – Tri-County Traffic Training Net – 147.015 (pl 110.9)

Wednesday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

20:00 – Quarter Century Wireless Association Net – 147.015 (pl 110.9)

Thursday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

19:30 – Ohio ARES Dist.10 DMR Net – TG 31395

20:00 – Ashtabula Radio Club 2 Meter Net – 146.715 (pl 141.3) – (Echo link node- N8CT/L)

20:00– Lake Erie ARA 2 Meter Net – 146.760 (pl 110.9) – (back/up 146.880 – pl 110.9)

20:00 – Portage County Amateur Radio Society 2 Meter Net – 146.895 (pl 118.8 – Streetsboro input) (Echo link: K8BF-L node #508081)

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Friday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

21:00 – Tri-County Traffic Training Net – 147.015 (pl 110.9)

Saturday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

14:00 - . Swan Tech Net – 7.235 MHz

15:30 – Kenwood Hybrid Tech Net – 7.235 MHz

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

Sunday

08:00 – DX 60 Net – 3.880 MHz – **AM mode**

09:00 - Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

16:00 – Drake Tech Net – 7.238 MHz

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

21:00 – Tri-County Traffic Training Net – 147.015 (pl 110.9)

Sell, Seek or Trade

Jo Lefler < jolefler@yahoo.com >

Wanted:

Older reasonably priced 10 meter all mode transceiver. Working condition. Output wattage not important

Joseph Koskovics < n8jko@outlook.com >

For Sale:

Flight Case: \$60.00

The case is a Stellar Labs flight case, from the former MCM Electronics. It is a 4 rack space unit that has a 7 in high opening with rack rails. The case is 15 in deep and accommodates standard rack shelves. The unit has seen no real use and is in mint condition and includes one rack shelf. Price is \$60. Please contact by email.

Cal Pengov < cpengov@att.net >

For Sale:

Mosely TA36

Six element beam with rotor and manual \$250.00

Collins 30L-1

HF Linear Amplifier with high output tubes with manual \$800.00



Since 1978

September 2023

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
					1	2
3	4 Labor Day	5	6 LCARA Meeting & Picnic 5:00pm	7 2 Mtr. Net 7:00pm	8	9 OSPOTA
10	11 LC ARES Net 7:30pm	12 3 RD Tuesday Breakfast	13 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	14 2 Mtr. Net 7:00pm	15	16
17	18 LC ARES Net 7:30pm	19	20 10 Mtr. Net 8:30pm	21 2 Mtr. Net 7:00pm	22	23
24	25 LC ARES Net. 7:30pm	26	27 10 Mtr. Net 8:30pm	28 2 Mtr. Net 7:00pm	29	30

QRZ Ham Radio Trivia Quiz Answers

Railroad telegraphers never used 'Vibroplex' keys or 'BUGS' in sending Morse Code: true or false?

A: True

B: **False (Correct)**

What was the first three element vacuum tube called?

A: valve

B: radio tube

C: **audion (Correct)**

D: detector

75 Ohm coax may be used for amateur radio stations for both transmitting and receiving applications.

A: False

B: **True (Correct)**

The Kraus Approximate Formula is used to calculate

A: circuit bandwidth

B: antenna beam width

C: **antenna gain (Correct)**

D: circuit Q

The KA6 prefix was first used in what area?

A: California

B: **US Personnel in Japan (Correct)**

C: Antarctica

D: North Pole Research Stations

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Amateurs Code

By Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE..... Never knowingly operate 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, Family (household) \$30.00, 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.

The Lake County Amateur Radio Association

*P.O. Box 1032
Painesville, OH 44077-1032*

Proudly serving Lake County & NE Ohio since 1978

To contact us, send an e-mail to: <https://www.lcara.org/contact-us/>

Voice Repeaters N8BC

*147.210 +.600 MHz -PL tone of 110.9 Hz
Echo link N9JG/R Node #665499
224.500 - 1.6MHz -PL tone of 141.3 Hz.
444.650 + 5.0MHz -PL tone of 131.8 Hz.*