



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: October 4th, 2023
@ UH Tri-Point Physicians Pavilion***

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Message from the President

Greetings fellow travelers,

Our **next club meeting** will be held on **October 4th**, at **UH Tri-Point Physicians Pavilion**, starting at 7:30pm. The meeting will also be available online via Zoom.

We will have a presentation by Nikesha Yarbrough, from the Lake County General Health District, speaking about "Project Dawn". This initiative seeks to educate the public and dispel myths concerning the Opioid Crisis. This is a very interesting and informative talk. In addition, all in attendance will receive a free Narcan dosing kit and be instructed on its proper use.

Shout out to K8BL, AA8OY, WB8PHI and KE8PP, and those who just stopped by, for making our operating event at Garfield on the 23rd a success. We managed over 300 contacts in about 5 hours, and many were "Park-to-Park". Several curious park visitors also enjoyed seeing amateur radio in action.

The ARRL Simulated Emergency Test (SET) is scheduled for October 7 & 8. Our ARES group is planning an activity for the 7th. More information will be forthcoming, so stay tuned.

Our last two scheduled public service events for 2023 are October 8th, at the Rock and Roll Hall of Fame, and on the 29th in Mentor. Operators are still needed for both. If you can help, please contact me or Mike (WB8ZGH).

That's all for now...

Stay well and be safe.

'73

-Ed

Membership Meeting Minutes

Membership Meeting Minutes for 9.6.2023

Board Members Present:

KB8BKE – Ed Kopcak - President / Treasurer
KE8HJL – Tom Revolinsky - Vice President / Secretary
N8IKO – Joe Koskovics - Member at Large

Attendees:

Ed KB8BKE	Cal W8BZP
Joe N8JKO	Penny (XYL)
Denise (XYL)	Bob N8KBX
Larry WB8PHI	Steve KD8RFJ
Melody KB8QIB (XYL)	Bob K8BL
Bill N8IJG	Evan W8LSQ
Billy (XYL)	Jo KB8SZQ
Tom KE8HJL	Paul KE8PP
Terittu (XYL)	Bob W2THU
Rick W8QL	Jim AA8OY
Pat (XYL)	
Mike WB8ZGH	
Fran (XYL)	

Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:29 p.m.
- This meeting took place virtually and in person at the Lake County Historical Society

President – Ed (KB8BKE) mentioned:

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

Speaker: N/A

Member At Large: Joe (N8IKO)

- Project Dawn (Opioid Crisis / Narcan) – October
- Doug Fried (MARS) for November.

New Business:

- Scott N8SY – He thanked the club for his endorsement for Director. He also spoke about some ARRL statistics about Ham Radio. There are over 759,000 Ham Radio Operators in the USA. There are

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about 400,000 active members in the USA using radios participating. He also spoke about current activities and opportunities available in the ARRL. He then answered a variety of questions.

- The History Center is looking for some help with parking on Oct 27th.

Radio / Repeaters: Bill N8IJG:

- Look up N8IJG to find streaming the Thursday net on YouTube.
- The repeaters are working well.
- ComServ did an alignment at Tri-Point. We are getting a quote on their suggested upgrades.

Secretary Report: Tom (KE8HJL)

- 63 total members paid so far this year.

Treasurer Report: ED (KB8KBE):

- Treasury is in good shape
- We made a payment to ComServ for work on the repeater and paid the club insurance renewal.

Sunshine:

- No Report

DX Report: Jim (AA80Y)

- See Attached

Public Service: Mike (WB8ZGH)

Upcoming events:

- Parks on the Air at the Mentor Headlands on Sept 9th. From 10 am to 6 pm. The Chili Pot will be on !!!

Historical Society: Bob K8QXO:

- All Quiet
- Bob would like some help to hand a ceiling fan in the Radio room.

ARRL Liaison: Bob (W2THU):

Updates on ARRL membership renewals

VE Testing: Don (WA8TWM)

- No Report

Ohio Legislative Liaison: Bob (W2THU)

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- They are working on a better way for Hams with vanity plates to renew on line.

ARES: Joseph (N8JKO).

- No Report

Nets: Ed (KB8BKE)

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)

50/50 Raffle - \$15 – Joe (N8JKO) won and donated his winnings to the club.

Meeting adjourned at: 8:30 p.m.

Tom (KE8HJL)



Sunshine Report:

No Report

Backscatter for September 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

142 Years Ago: The first electric incandescent lamp factory in the US is opened in Menlo Park, NJ, the Edison Lamp Works, the precursor to GE. More than 130,000 bulbs were manufactured by the time the plant was moved to Harrison, N.J. the following year. In 2010 that's a few days production on one machine.

116 Years Ago: The second international conference on wireless telegraphy in Berlin adopted SOS as the international distress signal, replacing the call sign CQD which had originated in England as a general call on landline wire. CQ preceded time signals and special notices as a sign for "all stations." The Marconi Company had originated CQD for distress signals. Sometimes thought to mean "Come Quick Danger," its origin was simply a general call, CQ, with D added, meaning distress.

66 Years Ago: The Atomicron, the first US atomic clock., was unveiled. Measuring 84" high, 22" wide and 18" deep, it used the constant frequency of the oscillations of the cesium atom - 9,192,631,830 MHz and was priced at only \$50,000.

45 Years Ago: Nothing like a bureaucracy. The FCC's Safety & Special Radio Services Bureau concludes a 20 month study on the creation of a 900 MHz personal radio service with the recommendation of a "Notice of Inquiry" which is expected to take another two years.

40 Years Ago: Zero for two. In a broadcast radio interview, Senator Barry Goldwater, K7UGA said he did not believe the no-code license would ever see the light of day. He also stated flatly there would be no further expansion of any of the Citizens Radio Services.

35 Years Ago: Rusty, WA8HAR demonstrates the new 220 MHz Icom repeater. Tony, WD8RNG is building an interface to link it with .81/.21

The RFI committee comes to the rescue! Reno, W4OUE gets a pink slip from the FCC following a complaint from a neighbor. After a visit by Joe, W2TSI and Cal, W8BZXP, the interference is eliminated.

Tim, KB8DTY explains how to scan the newly installed 800 MHz trunked police and fire system.

30 Years Ago: In his QRM ES QRN ES QSB DE K8BL column, Bob bemoans the assignment of the last of the N8 calls. New Techs and Generals will now receive 2x3 calls, currently in the KB8B++ series.

25 Years Ago: It's Wetter in Mentor. After a hardy pancake breakfast, 17 volunteers for the Better in Mentor Days parade wait out an 8 AM thunderstorm before erecting an antenna in the continuing drizzle. With the storm having knocked down trees in the area, the city crews are late in setting up detour signs, barricades and cones. None-the-less the sun finally comes out, and it does not rain on the parade.

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20 Years Ago: The Mentor-on-the-Lake input site has been lost due to the erection of a new cell tower.

Jim, KF8VX discusses the proposal for Broadband Over Power Lines issue, and it's potential disastrous impact on HF.

15 Years Ago: The program at the September meeting was Hal Braschwitz W8PN, on the history of Radio Astronomy, including the role played by amateurs.

Strippers to be part of the program at the November meeting! Club members are urged to bring a soldering iron and wire strippers to build a PowerPole extension box.

10 Years Ago: LCARA's October meeting includes a presentation by Electronic Surplus.

In an article in The Patch, Bob, K8BL describes his first QSO's, using a borrowed three tube transmitter, and a variety of calls.

5 Years Ago: It is suggested that an appropriate welcome mat for an amateur's home would be "Ohm Sweet Ohm". And they should drive an EV from a maker in Germany, "Volkswagen".

DX Alert

by: Jim Pyle AA8OY



DX ALERT October 2023

W8S, Swains Island - The team, using the call sign W8S, plans to arrive about October 4. Swains Island is a remote coral atoll in the Tokelau Islands group in the South Pacific Ocean, and is #27 on Club Log's DXCC Most Wanted List.

5B – Cyprus - 5B/HA5PP, Zoltan, will be in the CQ World Wide DX Contest, SSB, single-operator, all-band.

6W – Senegal - IV3FSG, Elvira, says she will be on as 6W/IV3FSG from September 26 to October 16, on HF CW and FT8.

KH8 – American Samoa- K8R AA7JV, George, will be in American Samoa for the next month.

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OHØ – Aland Islands - PA2A, Steve, is active as OHØRY on FT8 "as the fox. He also plans to operate some CW and RTTY.

T2 – Tuvalu - The T2T operation began last week and continues through October 9 with ten stations: two on CW, one on SSB, and seven on FT8 with WSJT-X in Fox/Hound mode.

V3 – Belize - KM4DYR, David, will be V31DN on Ambergris Cay October 1-9, with a primary goal to activate as many Parks on the Air (POTA) as he can.

V6 – Federated States of Micronesia - V63CB by JJ2CJB, Seiichiro, will be in the CQ World Wide DX Contest, SSB, single operator, all band, from Pohnpei (OC-010).

VK9L – Lord Howe Island - W7YAQ, Bob, and K7AR, Al, arrived on Lowe Howe Island on September 20 for their planned operation as VK9LAA through October 4.

YJ – Vanuatu - Watch for VJØCA (Chris, aka VK2YUS), at Port Vila October 22-November 5, including the CQ World Wide DX Contest, SSB.

Happy hunting!
Jim, AA8OY
Thanks to ARRL DX

Upcoming Contests: (from the OSJ/WA7BNM)

Sep.30-Oct. 1	UK/EI DX Contest, CW	https://www.ukeicc.com/dx-contest-rules.php
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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)

Ohio Hamfests

2023

10/29/2023 - [Massillon \(OH\) Hamfest \(& auction\)](#)

Location: North Canton, , OH

Sponsor: Massillon Amateur Radio Club

Website: <http://www.w8np.net>

[Learn More](#)

12/03/2023 - [FCARC WinterFest](#)

Location: Archbold, OH

Type: ARRL Hamfest

Sponsor: Fulton County Amateur Radio Club

Website: <https://k8bxq.org/hamfest>

[Learn More](#)

ARRL News:

[The K7RA Solar Update](#)



ASWFC GEOMAGNETIC DISTURBANCE WARNING ISSUED AT 0249UTC on 22 SEPTEMBER 2023 BY THE AUSTRALIAN SPACE WEATHER FORECASTING CENTRE. [Read More](#)

[2023 SET Exercise to Test Skills and Emergency Preparedness](#)



The ARRL Simulated Emergency Test (SET) is scheduled for October 7 - 8, 2023. [Read More](#)

[Hurricane Lee: Radio Amateurs and Nets Activated](#)



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Hurricane Lee is expected to impact portions of New England in the Northeastern United States and Nova Scotia and New Brunswick in Canada. Amateur Radio Emergency Service®(ARES®) volunteer groups are activated. [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.

Winlink ShakeOut Exercise

The Winlink Development Team (WDT) continues its successful collaboration with the US Geological Survey to provide real event and exercise "Did You Feel It?" (DYFI) earthquake intensity reports via Winlink. All Winlink users are invited to send Exercise Winlink DYFI reports on October 19, 2023, at or after 10:19 local time with Exercise ID: 2023SHAKEOUT. For [step-by-step Winlink DYFI Exercise instructions](#) and additional information see the [Winlink ShakeOut Website](#) and the details below.

What is ShakeOut?

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The Great ShakeOut is the world's largest earthquake drill. It is held annually on the third Thursday of October, and millions of people participate all over the world. In 2022 over 45.6 million people registered their participation. The goal of the ShakeOut is to teach people how to protect themselves during an earthquake.

Great ShakeOut Earthquake Drills across the U.S. are coordinated by the Southern California Earthquake Center in partnership with ECA, CUSEC, state and national emergency management partners, with support from FEMA, NEHRP, NSF, and USGS.

The ShakeOut drill is simple. At the designated time (or whenever works for you or your organization), participants practice [self-protective actions such as "Drop, Cover, and Hold On"](#) or "Lock, Cover, and Hold On" if they use a wheelchair.

How to Participate

1. [Register your volunteer radio group](#) for the Great ShakeOut.
2. Send [Winlink DYFI \("Did You Feel It?"\) exercise reports](#) on **October 19, 2023, after 10:19 (local time)** to the United States Geological Survey (USGS). **Exercise ID: 2023SHAKEOUT**
3. Conduct local radio nets or functional radio exercises to test your group's preparedness.

The Great ShakeOut is also an opportunity to learn more about [earthquake preparedness](#). Participants can learn about the different types of earthquakes, how to create an earthquake safety plan, and how to make their homes and businesses more earthquake-resistant.

The Great ShakeOut is a great way to get ready for an earthquake. Many preparedness lessons from the Great ShakeOut also apply to floods, fires, landslides, and other disasters. It is also a chance to connect with your community and learn how to help others in the event of an earthquake or other disaster. Look for more details on the [Winlink ShakeOut Website](#) in the coming weeks.

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:

10/7 & 8 SET Exercise

10/8 CLE Rock Hall Half Marathon

10/21 Halloween at LCHS

10/29 N O Marathon

Ham Radio Trivia Quiz (Answers on page 23)

Why is it that car radios receive AM signals OK in mountainous areas and receive FM signals poorly or not at all?

- A: Overhead satellites are not working.
- B: AM has a sky-wave as well as a ground wave.
- C: FM stations run low power.
- D: Skip is not evident.

A shipboard antenna described as having multiple parallel wires and secured to ship masts with a yoke arrangement was known as?

- A: Dipole
- B: Faraday
- C: Marconi
- D: Hertzian

How does the forward voltage drop of a silicon diode change with temperature?

- A: It increases as temperature increases
- B: It decreases as temperature increases
- C: It stays the same
- D: It varies as the square of the temperature change

When attempting repairs on your 1500 watt HF linear amplifier, which of the following should you do first?

- A: Cover the case to prevent scratches.
- B: Unplug the unit from the AC mains and discharge the filter capacitors.
- C: Remove the coax cables to prevent stray RF.
- D: Ensure you have spare matched tubes.



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

Third Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is **October 17th**. 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.

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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

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)

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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)

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

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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

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



October 2023

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
1	2 LC ARES Net. 7:30pm	3	4 LCARA Meeting 7:30pm	5 2 Mtr. Net 7:00pm	6	7 SET Exercise
8 Rock Hall Half Marathon	9 LC ARES Net. 7:30pm Columbus Day Indigenous People's Day	10	11 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	12 2 Mtr. Net 7:00pm	13	14
15	16 LC ARES Net 7:30pm	17 3 RD Tuesday Breakfast	18 10 Mtr. Net 8:30pm	19 2 Mtr. Net 7:00pm	20	21
22	23 LC ARES Net 7:30pm	24	25 10 Mtr. Net 8:30pm	26 2 Mtr. Net 7:00pm	27	28
29 N E Ohio Half Marathon	30 LC ARES Net. 7:30pm	31 Halloween				

QRZ Ham Radio Trivia Quiz Answers

Why is it that car radios receive AM signals OK in mountainous areas and receive FM signals poorly or not at all?

- A: Overhead satellites are not working.
- B: **AM has a sky-wave as well as a ground wave.(Correct)**
- C: FM stations run low power.
- D: Skip is not evident.

A shipboard antenna described as having multiple parallel wires and secured to ship masts with a yoke arrangement was known as?

- A: Dipole
- B: Faraday
- C: **Marconi (Correct)**
- D: Hertzian

How does the forward voltage drop of a silicon diode change with temperature?

- A: It increases as temperature increases
- B: **It decreases as temperature increases (Correct)**
- C: It stays the same
- D: It varies as the square of the temperature change

When attempting repairs on your 1500 watt HF linear amplifier, which of the following should you do first?

- A: Cover the case to prevent scratches.
- B: **Unplug the unit from the AC mains and discharge the filter capacitors.(Correct)**
- C: Remove the coax cables to prevent stray RF.
- D: Ensure you have spare matched tubes.

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

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

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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.*