



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

Give Thanks!



Board Members

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: November 1st, 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 **November 1st, at UH Tri-Point Physicians Pavilion**. Doors will be open at 6:30pm and the meeting starts at 7:30pm. For those unable to attend in person, the meeting will also be available online via Zoom. Our guest presenter will be Doug Friedt (N8FRJ), speaking about the Military Auxiliary Radio System (MARS). Our last attempt failed miserably, so Doug has graciously agreed to give it another attempt. Hope to see you there.

It's time to renew your LCARA membership. Renewals are due by December 31st. (The grace period ends on March 31st, 2024). As voted last year, the dues amounts for 2024 have increased and are: \$30 for single and \$45 for family memberships. Forms to update your contact information are available for download on our website. New this year is an online renewal form. Payments can be made in person at a meeting, by check via USPS, or you can choose to "Pay by Credit Card". Note that payments by credit card do incur a processing fee and service charge. All can be found at: www.lcara.org, under the "Membership" tab.

For those needing to renew your ARRL membership, remember LCARA gets a \$5 commission check from the ARRL, for each renewal (\$15 for new members). For us to get credit, we have a pre-filled form you must include in the envelope when you mail off your renewal and payment. Contact myself or any board member to get the form.

Daylight Saving Time ends on November 5th. While you are chasing around adjusting all your non internet tethered clocks, you should also replace the batteries in your smoke and carbon monoxide detectors and test their operation to insure they are working properly. These devices have an in-service lifespan and replacement is recommended at 10 years. Each should have a manufacturer's date code on the back label. If there is no date code, the device is definitely older than 10 years and needs to be replaced.

November 7th is Election Day. Exercise your right to vote.

Veterans Day is November 11th. Remember our veterans, and to thank any you see for their service

On behalf of the board, have a great Thanksgiving everyone!

Stay safe and be well.

'73

-Ed

Membership Meeting Minutes

Membership Meeting Minutes for 10-4-2023

Board Members Present:

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

Attendees:

Ed KB8BKE	Tom KE8HJL
Joe N8JKO	Jim AA8OY
Cal W8BZP	Mike WB8ZGH
Larry WB8PHI	Scott N8SY
Bill N8WCL	Bob W2THU
Martin KE8QWI	John KB8YJY
Bill N8IJG	Bob N8KBX
Jim AA8OY	Bill N8WCL

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 Sept was accepted by Joe and Bob

Speaker: Nikesha Yarbrough from Lake County Dept of Health and Project Dawn: Spoke about the Opioid crisis and how to use Naloxone. In Lake County, the typical overdose person was a single white male 25 to 54 years old and does physical labor as a job. In 2022, There were 517 ER drug overdose visits with 91 people dying of an overdose in Lake County. Naloxone kits were distributed to all those who wanted one.

Member At Large: Joe (N8IKO)

- Upcoming speakers - Doug Fried (MARS) for November.

New Business:

- None

Radio / Repeaters: Bill N8IJG:

- The repeaters are working well.
- At the end of Oct Bill will on Hiatus and is looking for operators to run the net.

Secretary Report: Tom (KE8HJL)

- 63 total members paid so far this year.

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Treasurer Report: ED (KB8KBE):

- Treasury is in good shape.

Sunshine:

- No Report

DX Report: Jim (AA80Y)

- Jim

Public Service: Mike (WB8ZGH)

Upcoming events:

- Oct 7th – SET exercise
- Oct 8th – Rock Hall Half Marathon, 5 & 10 K
- Oct 28th – Northern Ohio Half Marathon & 5K
- Oct 7 & 8th Huntsburg Pumpkin Festival

Historical Society: Bob K8QXO:

- Oct 21st Halloween & Oct 28th BBQ - they would like to help with parking.

ARRL Liaison: Bob (W2THU)

- No Report

VE Testing: Don (WA8TWM)

- No Report

Ohio Legislative Liaison: Bob (W2THU)

- No Report

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 - \$22 – Bob (K8QXO) won and donated his winnings back to the club. Thanks Bob!

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No further business

Meeting adjourned at: 8:30 p.m.

Tom (KE8HJL)



Sunshine Report:

No Report

Backscatter for November 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

77 Years Ago: The first U.S. coin-operated TV was introduced. Named the Tradio-Vision, it required 25 cents. It contained 20 tubes and a 5-in cathode ray tube that reflected a 500-line image on mirror on the lid of its metal cabinet.

53 Years Ago: A patent is issued to Doug Engelbart for the computer mouse - an "X-Y Position Indicator for a Display System" (No. 3541541). He and his colleagues called it a "mouse," after its tail-like cable. It was a simple hollowed-out wooden block, with a single push button on top.

45 Years Ago: Plans are underway to move the repeater to a new site on the roof of the hospital in downtown Painesville. 60' of tower are purchased, along with a Phelps Dodge four dipole array.

Plans are also underway for the first ham fest. WB8ZWR, Wayne, chairs a committee to "organize the whole show".

40 Years Ago: The FCC surprises the amateur community by authorizing 13 regional VEC's, rather than the single national VEC as was expected. The FCC plans to continue tests at its own Regional Bureaus, but on a reduced scale.

Cambodia is active! XU1SS and XU1KC are on the air and will count for DXCC credit, despite four governments claiming control of the country: Heng Samrin, Prince Sihanouk, Pol Pot and Son Sann.

35 Years Ago: LCARA's 220 MHz repeater comes on the air, despite occasional QRM from WMMS. It seems the 2nd harmonic of many FM receivers' local oscillators are in the 220 band.

30 Years Ago: We're #4. Early indications from the ARRL shows LCARA's Field Day team placing 4th nationally of all classes!

We're #1. KQ8M, Tim, places first in the CW Worldwide DX CW contest in the single-op, all band, packet assisted category. And Pat, N8ONI, places first in the fox hunt at the Atlanta, Georgia Monitoring Times Convention.

LCARA's roster shows 207 members!.

25 Years Ago: Form 605 is born. Form 610 RIP.

20 Years Ago: We're #1. LCARA's Field Day team places first in class 7A.

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15 Years Ago: The repeater's 2 Meter antenna is having problems repeating. The Board purchases a replacement antenna.

10 Years Ago: Bob Liddy, K8BL describes turning an EICO 723 CW transmitter into a bomb by wiring a power supply electrolytic capacitor backwards.

Waiting for Wake. The K9W DXpedition to Wake Island is shut down due to the budget crisis.

Lou Barber, W8SSI, SK.

5 Years Ago: Melody, KB8QIB becomes Editor of The Patch.

From the Corner Office of the Vice President, Larry K8LPC reports early arrival the first frost.

DX Alert

by: Jim Pyle AA8OY



DX Alert, November 2023

BOTSWANA, A2. Members of the Russian DXpedition Team will be QRV as A25RU from October 26 to November 13. Activity will be on 160 to 6 meters using CW, SSB, and mostly FT8 with up to nine stations active.

NORTH COOK ISLANDS, E5. Janusz, SP9FIH is QRV as E51JAN from Manihiki, IOTA OC-014, until November 6. Activity is on the HF bands.

ST. KITTS AND NEVIS, V4. Ed, N2HX is QRV as V4/N2HX from Saint Kitts, IOTA NA-104, until November 11. Activity is on the HF bands.

VANUATU, YJ. Chris, VK2YUS will be QRV as YJ0CA from October 22 to November 5. Activity will be on 40 to 10 meters using SSB.

CHATHAM ISLANDS, ZL7. Jacek, SP5EAQ is QRV as ZL7/SP5EAQ from Petre Bay on Waitangi Island, IOTA OC-038, until November 3.

Happy hunting!
Jim, AA8OY
Thanks to ARRL DX

Upcoming Contests: (from the OSJ/WA7BNM)

All Year	CQ DX Marathon	http://bit.ly/3FyPiui
Oct. 29-Nov. 1	Fall Classic Exchange CW	https://www.classicexchange.org/Nov. 25-26
Nov. 25-26	CQ WW DX CW Contest	http://www.cqww.com/index.htm

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)

<p>10/29/2023 - Massillon (OH) Hamfest (& auction) Location: North Canton, , OH Sponsor: Massillon Amateur Radio Club Website: http://www.w8np.net Learn More</p>	<p>12/03/2023 - FCARC WinterFest Location: Archbold, OH Type: ARRL Hamfest Sponsor: Fulton County Amateur Radio Club Website: https://k8bxq.org/hamfest Learn More</p>
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ARRL News:

□ 10/20/2023 | [The K7RA Solar Update](#)



Sunspot activity dropped dramatically this week, with only two new sunspot groups emerging, on October 14 and 16. [Read More](#)

□ 10/19/2023 | [A POTA Book for Park Activators and Hunters](#)



The Parks on the Air Book gives you a look at the setups and processes of 14 operators from a variety of skill levels and backgrounds and offers advice and motivation for taking your radio out to a park. [Read More](#)

□ 10/10/2023 | [ARRL Urges Comments to FCC on 60-Meter Band](#)



ARRL is asking that all radio amateurs urge the Federal Communications Commission (FCC) to continue the existing use of the 60-meter band. A public comment period is open until October 30, 2023. [Read More](#)

□ 10/06/2023 | [ARRL Launches The NTS Letter](#)



There's a new newsletter in the ARRL repertoire as of this week. [Read More](#)

Ohio Section News:



Once again this year the Massillon ARC is having their annual Hamfest at MAPS in N, Canton, Ohio. This year's event takes place October 29th and begins at 8:00am.

Tables (available online at <https://www.w8np.net/index.php?view=article&id=76:2023-hamfest-vendor-portal-instructions&catid=10>) are selling fast. Prices remain the same as last year- \$15 table/ \$5 ticket. Tables are sold first come/first served and are expected to again sell out.

We have over \$5,000 of door prizes this year. First prize is a Yaesu FT-891, and the second prize is a complete POTA package including a Xiegu G90, antenna, and a Power Station with solar panels from Dakota Lithium!

Sponsors include ICOM, Yaesu, Radioddity, Precision RF, Be Loud, R & L Electronics, Hammond Engineering, DX Engineering, Arrow Antennas, Hamvention 2024, Contest University, Ham Radio Solutions, Ham Radio Outlet, Heil Audio, Flex Radio, B & F Firearms, Ham Radio Deluxe, Dakota Lithium and more.

There will be a VE Testing Session for those looking to become a ham operator or upgrade their license, and coffee/food are available.

Your ticket price includes access to one of the truly unique museums in Ohio- the Military Aviation Preservation Society Museum. Come tour the museum and enjoy the vintage planes and exhibits. This years addition is a C-130 transport plane.

Details may be found at: W8NP.net, or by emailing Club@W8NP.net. This event is sponsored by the Massillon Amateur Radio Club, an ARRL Special Services club.

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

Ham Radio Trivia Quiz (Answers on page 21)

What does the acronym CTCSS stand for?

- A: Courtesy Tone Carrier System Signal.
- B: Continuous Tone Coded Squelch System.
- C: Coded Telegraphy Carrier Signal System.
- D: Coded Tone Carrier Sinewave Signal.

A Blaw-Knox is what kind of radio antenna?

- A: A ship-to-shore rhombic wire antenna
- B: A flat plane satellite antenna having three sides towards the source.
- C: A multi-bay, multi-polarization, FM relay antenna
- D: A large, AM broadcast antenna

What is the opposite of "conductance"?

- A: Luminance
- B: Resistance
- C: Reactance
- D: Brilliance

If you are a general class amateur. Can you operate Morse code on 3505 kHz?

- A: Yes you can
- B: No you cannot

Which US band segment must not cause interference to Canadian cities along the US-Canada border?

- A: 29-30MHz
- B: 10-28Mhz
- C: 420-430MHz
- D: 144-145MHz



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 in 2023:

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 **November 21st**. 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



November 2023

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			1 LCARA Meeting 7:30pm	2 2 Mtr. Net 7:00pm	3	4
5 <i>Daylight Saving Time Ends</i>	6 LC ARES Net. 7:30pm	7 <i>Election Day</i>	8 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	9 2 Mtr. Net 7:00pm	10	11 <i>Veterans Day</i>
12	13 LC ARES Net 7:30pm	14	15 10 Mtr. Net 8:30pm	16 2 Mtr. Net 7:00pm	17	18
19	20 LC ARES Net 7:30pm	21 3 RD Tuesday Breakfast	22 10 Mtr. Net 8:30pm	23 2 Mtr. Net 7:00pm <i>Thanksgiving Day</i>	24	25
26	27 LC ARES Net. 7:30pm	28	29	30 2 Mtr. Net 7:00pm		

QRZ Ham Radio Trivia Quiz Answers

What does the acronym CTCSS stand for?

- A: Courtesy Tone Carrier System Signal.
- B: Continuous Tone Coded Squelch System. (Correct)**
- C: Coded Telegraphy Carrier Signal System.
- D: Coded Tone Carrier Sinewave Signal.

A Blaw-Knox is what kind of radio antenna?

- A: A ship-to-shore rhombic wire antenna
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- C: A multi-bay, multi-polarization, FM relay antenna
- D: A large, AM broadcast antenna (Correct)**

What is the opposite of "conductance"?

- A: Luminance
- B: Resistance (Correct)**
- C: Reactance
- D: Brilliance

If you are a general class amateur. Can you operate Morse code on 3505 kHz?

- A: Yes you can
- B: No you cannot (Correct)**

Which US band segment must not cause interference to Canadian cities along the US-Canada border?

- A: 29-30MHz
- B: 10-28Mhz
- C: 420-430MHz (Correct)**
- D: 144-145MHz

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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

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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.*