



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: August 2nd, 2023
On Zoom Only***

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Message from the President

Greetings fellow travelers,

Our next club meeting will be held on August 2nd. This meeting will be online only due to maintenance work being done to the meeting rooms at Tri-Point. No speaker is planned.

Join us for our annual club picnic on August 12th. Information on location and a link to RSVP can be found on our website: https://www.lcara.org/?ai1ec_event=lcara-picnic

All club members and their guests are welcome. Hope to see you there!

Stay well and be safe.

'73

-Ed

Membership Meeting Minutes

There was no meeting held in July



Sunshine Report:



L. William "Billy" Somrak KB8EB – (SK)

Louis William Somrak (Billy), 74, of Madison, Ohio passed away June 10, 2023 from complications of Covid-19. He was born April 21, 1949 in Cleveland, Ohio to the late Louis W. and Helen K. Somrak and went on to receive his Bachelor of Science degree in Education at Cleveland State University.

Billy worked for TT Electronics Integrated Manufacturing Services in Perry, Ohio. In his spare time, he enjoyed flying drones, model airplanes, operating his HAM Radio, and biking. He is survived by his siblings, Robert (Nancy) Somrak and Thomas Somrak.

A Funeral Mass will be celebrated at 11:00am on Saturday, July 29, 2023 at Immaculate Conception Church, 2846 Hubbard Road, Madison, Ohio with burial to follow in North Madison Cemetery across the street from the church.

To honor Billy's love of his cats, in place of flowers, the family suggests contributions be made to a cat rescue of the donor's choice. Lake Erie Cremation and Funeral Services, 1500 Harpersfield Road, Geneva, Ohio assisted the family with arrangements. www.LakeErieCrematory.com. 440-361-2273.

Backscatter for February 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

270 Years Ago: Do not try this at home. Professor Georg Richmann was killed by his experiment with lightning. One year after Benjamin Franklin's kite experiment, Richmann, in Moscow, attached a wire to the top of his house and led it down to an iron bar suspended above an "electric needle" and a bowl of water partly filled with iron filings. During a storm, the wire was struck while Richmann was about a foot from the bar. A globe of blue and whitish fire about four inches in diameter struck his forehead with "an explosion like that of a small cannon." His assistant, M. Sokolaw, who survived, was thrown to the floor. He later found marks of burning hot wire fragments on the back of his clothes.

63 Years Ago: Echo 1, the first communication Satellite is launched. A 100 foot metalized Mylar balloon, it was a passive reflector, not a transceiver. It remained in orbit for nearly eight years.

45 Years Ago: LCARA provides communications for the News Herald's Johnnycake Jog. No emergencies are encountered, other than a riderless horse joining the runners, then falling. Horse survives.

40 Years Ago: The LCARA "Ham-O-Gram" is renamed "The Patch". Editor Gary, KC8GN is elated.

The combined Field Day effort of LCARA and LGARC nets a record 12738 points, more than both clubs did the prior year combined. This is despite a now traditional problem of the generator running out of gas at 1 AM.

Years ahead of its time, the FCC runs out of paper for issuing licenses. It temporarily allows operation of new and upgraded hams with only telephone approval.

35 Years Ago: LCARA gets the boot! The Union Federal S&L, where the club has met for a decade, converts its 2nd floor meeting room into offices. We move to the basement of the Lake County Administration Building on short notice.

Field Day tower falls! While erecting the 20 meter phone tower, the base levitates, resulting in an unplanned impact with the ground, and a bent tri-bander. Fortunately, no hams are bent.

30 Years Ago: The ARRL DXCC desk catches up. K8BL reports 30 day response time on a packet of QSL endorsements.

25 Years Ago: The FCC proposes elimination of Novice, Technician, General, Advanced and Extra classes. They are to be replaced with Class D, C, B & A, with the entry level Class D being equivalent to the current Technician class. There will be no replacement for the current Novice class. The highest class, Class A, will require 12 wpm code.

The Madison input no longer exists. The property that held the site has been sold.

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20 Years Ago: Jim, AA8OY reports that despite a MUF of 7 MHz, the Field Day effort managed 3205 QSOs, including 1714 on CW. The total raw score was 11,138 points.

A real Field Day? Electricity goes out for up to four days in the northeastern US, and the Great Lakes region of Canada.

15 Years Ago: The program at the August meeting is “Hot Air Ballooning, GPS controlled Airplane transmitting APRS” by Dan Greathouse, N8NBC.

10 Years Ago: The Patch asks “what is Yuri Gagarin, amateur call sign UA1LO, famous for?” with one of the multiple choice answers being “he is the back-up singer for the band U-2”.

5 Years Ago: The hunt is on! Bob Mekinda, K8QXO’s term as Patch editor comes to an end.

DX Alert

by: Jim Pyle AA8OY

DX Alert, August 2023

SP – Poland - A group of YLs will be operating special call SP88YL from the contest station of SQ7NSN, Michael, and SQ7FPH, Arek, from August 6-12. The special call sign will also be used from some SOTA (Summits On The Air) activities and WWFF (World Wide Flora and Fauna) activities.

Guatemala- TG - Dennis, KT8X will be active from Guatemala as TG4/KT8X from July 23rd through August 4th. He will operate 40m through 6m utilizing CW, FT8 and perhaps SSB.

Republic of Korea - HL - Wouter, PB1WL is QRV as HL4/PB1WL until August 16.

Minami Torishima - JD1- Take, JG8NQJ is QRV as JG8NQJ/JD1 until October 19. Activity is in his spare time on 17, 15, 12, and 10 meters.



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Bonaire - PJ4 - Robert, PD2V is QRV as PJ4/PD2V from Kralendijk until August 11. Activity is on 40, 30, and 20 meters using SSB and FT8.

Marshal Islands – V7 - Bob, W0RGC is QRV as V7/W0RGC from Kwajalein Island for about two weeks. Activity is in his spare time on 20, 15, and 10 meters using SSB.

Myanmar – XZ - Akio, JE2QIZ is QRV as XZ2B from Yangon until the end of September. Activity is on 15, 12, 10, and 6 meters using CW.

Minamitorishima-JD1/M- JG8NQJ, Take, is working on Minamitorishima, the easternmost territory of Japan, and #34 on Club Log's Most Wanted DXCC List, for the next three months, and is QRV in his spare time. He expects to be on 17, 15, 12, and 10M., is in Tonga through July 27, and expects to be on the air primarily 0400-0600Z and 0730-0900Z.

CN – Morocco -F5LRL, Michel, is in Morocco until August 16 with the CN – Morocco,CN2DX call sign, and plans to operate from a QTH near Kinara, on 40, 20, 17, 15, 12, 10, and 6M CW and SSB

Happy hunting!
Jim, AA8OY
Thanks to ARRL DX

LCARA FIELD DAY 2023 Results

Field Day is a great opportunity to demonstrate one's ability to set up and operate under less than optimum conditions. This year there were a few antenna problems but our station captains and operators analyzed the problems, came up with solutions and got on the air. To all those who helped with setup, tear down, operating, meal preparation, and gathering Bonus Points documents, THANK YOU!

LCARA entered Field Day operating 5A which is five stations operating on emergency generators. Several stations operated on two bands at different times during Field Day. At one time or another we were active on 15, 20, 40 and 80 SSB and the same bands on CW. There were 426 SSB QSOs and 1,195 CW QSOs for a total of 1,621 QSOs. Factoring in power level multipliers plus Bonus Points, our score is 6,182 points. This includes Bonus Point documents which were mailed to the ARRL, have been received and approved.

Jim, AA8OY

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Upcoming Contests: (from the OSJ/WA7BNM)

All Year	CQ DX Marathon	http://bit.ly/3FyPiui
July 22-30	Maidenhead Mayhem Sprint	https://w9et.com/rules.html
July 22	YOTA Contest	https://www.ham-yota.com/contest/
July 27	RSGB 80m Club Championship, Data	http://bit.ly/3TxCrxl
July 29	WAB 144 MHz Low Power Phone	http://bit.ly/31yE4kT
July 29-30	RSGB IOTA Contest	http://bit.ly/3TxCrxl
July 30	ARS Flight of the Bumblebees	http://arsqrp.blogspot.com/
Aug. 2	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
Aug. 5	European HF Championship	https://euhf.s5cc.eu/euhfc_rules/
Aug. 5-6	10-10 Int'l Summer Contest SSB	http://bit.ly/1FrFeBc
Aug. 5-6	ARRL 222 MHz and Up Distance Contest	http://bit.ly/2IJZcy9
Aug. 5-6	Batavia FT8 Contest	https://batavia-ft8.com/
Aug. 5-6	North American CW QSO Party	http://ncjweb.com/NAQP-Rules.pdf
Aug. 6	SARL HF Phone Contest	http://bit.ly/H0IqQf
Aug. 9	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
Aug. 12	FISTS Summer Saturday Sprint	http://www.fistsna.org/operating.html
Aug. 12	SARL Youth Sprint	http://bit.ly/H0IqQf
Aug. 12-13	Maryland-DC QSO Party	https://www.w3vpr.org/node/325
Aug. 12-13	Worked All Europe CW Contest	https://bit.ly/36ubggF
Aug. 16	VHF-UHF FT8 Activity Contest	http://www.ft8activity.eu/index.php/en/
Aug. 19-20	ARRL 10 GHz and Up Contest	http://www.arrl.org/10-ghz-up
Aug. 19-20	International Lighthouse Lightship	
	Weekend – ILLW	https://illw.net/
Aug. 19-20	SARTG RTTY Contest	http://www.sartg.com/index.html
Aug. 19-20	North American SSB QSO Party	http://ncjweb.com/NAQP-Rules.pdf
Aug. 20	ARRL Rookie Roundup RTTY	http://www.arrl.org/rookie-roundup
Aug. 20	FISTS Summer Sunday Sprint	http://www.fistsna.org/operating.html
Aug. 25-27	Hawaii QSO Party	http://hawaiiqsoparty.org/
Aug. 26-27	ALARA Contest	http://www.alara.org.au/contests/
Aug. 26-27	Kansas QSO Party	http://www.ksqsoparty.org/
Aug. 26-27	Ohio QSO Party	http://www.ohqp.org/index.php/rules/
Aug. 26-27	YO DX HF Contest	https://www.yodx.ro/en/
Aug. 26-27	World Wide Digi DX Contest	https://ww-digi.com/
Aug. 26-27	W/VE Island QSO Party	https://usislands.org/qso-party-rules/
Aug. 27	SARL HF CW Contest	http://bit.ly/H0IqQf
Sept. 23-24	CQ WW RTTY DX Contest	http://www.cqwwrtty.com

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>07/22/2023 - Ashtabula County Hamfest 2023 Location: Pierpont, OH Sponsor: Amigos Radio Club Ashtabula Website: https://sites.google.com/view/arca-home/ Learn More</p>	<p>08/05/2023 - 2023 Columbus Hamfest Location: Grove City, OH Sponsor: Aladdin Shrine Audio Unit Website: http://www.columbushamfest.com Learn More</p>
<p>08/12/2023 - Cincinnati Hamfest Location: Owensville , OH Sponsor: Milford ARC Website: https://CincinnatiHamfest.org Learn More</p>	<p>08/19/2023 - Portsmouth Radio Club Hamfest Location: New Boston, OH Sponsor: Jett Fire, Shawnee Computer, Website: http://www.portsmouthradioclub.org Learn More</p>
<p>08/20/2023 - WARA Tailgate Swap Meet Location: Cortland, OH Sponsor: Warren Amateur Radio Association Website: http://w8vtd.org Learn More</p>	<p>09/10/2023 - Findlay Hamfest Location: Findlay, OH Sponsor: Findlay Radio Club Website: http://findlayradioclub.org Learn More</p>
<p>09/24/2023 - Cleveland Hamfest Location: Berea, OH Sponsor: Hamfest Association of Cleveland Website: http://www.hac.org Learn More</p>	<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>

LCARA Events:

<p>8/06 <i>Lighthouse Half Marathon</i> Sign Up HERE</p>	<p><i>Fairport Harbor</i></p>	<p>05:30-12:00</p>
<p>8/12 <i>LCARA Picnic</i> Information</p>	<p><i>Chagrin River Rural Park</i></p>	<p>15:00-20:00</p>

Ohio Section News:

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

Tom Sly - WB8LCD

After PostScript came out, I was notified that our ARES Data Manager, Jim Yoder - W8ERW became a Silent Key on Sunday, July 23rd.

Memorial information is not yet available, but it will take place later next month.

Information can be found at: << <https://www.highlandcountypress.com/james-e-yoder#gsc.tab=0> >>.

I'll presume the information about the ARRL Dues increase has been received by all by this time. I'm going to ask you all not to jump to conclusions but rather, think about how the decision was made, what the consequences could have been if the decision was not made, and how does it compare to other organizations who are similar to ours. There will be time for thoughtful discussion, but as I said last week, paying your dues ahead (the maximum you can extend is three years and it takes a phone call to get it done) might be a good idea for those of you who like to make purchases while they are "on sale".

Of immediate concern:

- 1) A petition for rulemaking by the Shortwave Modernization Coalition has got many of you concerned about our continued use of the shortwave bands. ARRL is investigating the consequences of this proposal and will make more information available as the petition moves through the process of being adopted. So far this does not seem to have much traction, but ARRL will give us more information as, and if, it becomes an issue.

- 2) The ARRL is also involved in the process of supporting H.R. 3241 – the Amateur Radio Communications Improvement Act" having to do with the repeal of Symbol Rate Limits. I know that a lot of you are interested in this and as I get more information from ARRL I will pass it along to you.

- 3) This is my favorite issue: H.R. 4006, the "Amateur Radio Emergency Preparedness Act". This bill aims to amend the Communications Act of 1934 to prohibit the application of certain private land use restrictions to Amateur Station Antennas and for other purposes". ARRL is lobbying for this bill that would make it illegal for private organizations (like an HOA) to put restrictions on communications antennas, most especially Amateur Radio antennas. Because of the precedence of other communications devices being granted immunity from restrictions, this is put forth as a logical conclusion for the Congress to approve.

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I want to point out that these 3 legislative issues could profoundly affect our hobby and avocation. The ARRL is leading the fight on each of these fronts on our behalf. I would ask you to hold off on any type of campaign to petition your legislators until the ARRL has put together a unified response (As they did with PRB-1), and then participate in that response as one of many. That's the best strategy for getting the support of our representatives.

This is all "important stuff." Please join me in supporting our ARRL as they do what they have always done, representing our interests to the FCC and the legislature.

73,

Tom Sly - WB8LCD

ARRL OH Section Manager

330-554-4650

ARRL News:

- [Commercial Interests Petition FCC for High Power Allocation on Shortwave Spectrum](#)



The ad hoc group "Shortwave Modernization Coalition" petitioned the Federal Communications Commission (FCC) to allow data communications on multiple bands within the HF 2 – 25 MHz range with up to 20 KW, including in bands immediately adjacent to spectrum [Read More](#)

- [07/21/2023 | The K7RA Solar Update](#)



Average daily sunspot numbers declined, but average daily solar flux increased. [Read More](#)

- [07/19/2023 | Slow-Scan TV Experiment With ARRL Planned for Amateur Radio on the International Space Station](#)



Amateur Radio on the International Space Station (ARISS), in collaboration with ARRL The National Association for Amateur Radio®, plans to carry out a special slow-scan TV (SSTV) experiment from the ISS on Wednesday, July 26, 2023. [Read More](#)

Ham Radio Trivia Quiz (Answers on page 22)

440 to 450 MHz is assigned to the commercial Land Mobile service in the United States

A: True

B: False

Radio receivers in the early days utilized power from three battery sources. How were these identified?

A: Power cells.

B: AA cells:

C: 'A', 'B' and 'C' batteries.

D: Solar cells.

Which US call sign district is the smallest in land mass?

A: The 1 district

B: The 2 district

C: The 3 district

D: None of the above

The prefix "7S" is assigned to what country?

A: Japan

B: Sweden

C: Lesotho

D: Sri Lanka

A reflex klystron is primarily used as a

A: microwave amplifier

B: frequency reference

C: microwave oscillator

D: paperweight



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 dates:

Saturday, August 5
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

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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

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.

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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..
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 **August 15th** 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

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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)

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

August 2023

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
		1	2 LCARA Meeting 7:30pm 10 Mtr. Net 8:30pm	4 2 Mtr. Net 7:00pm	4	5
6 Lighthouse Half Marathon	7 LC ARES Net 7:30pm	8	9 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	10 2 Mtr. Net 7:00pm	11	12 LCARA Picnic
13	14 LC ARES Net 7:30pm	15 3 RD Tuesday Breakfast	16 10 Mtr. Net 8:30pm	17 2 Mtr. Net 7:00pm	18	19
20	21 LC ARES Net 7:30pm	22	23 10 Mtr. Net 8:30pm	24 2 Mtr. Net 7:00pm	25	26
27	28 LC ARES Net. 7:30pm	29	30 10 Mtr. Net 8:30pm	31 2 Mtr. Net 7:00pm		

QRZ Ham Radio Trivia Quiz Answers

440 to 450 MHz is assigned to the commercial Land Mobile service in the United States

A: True

B: **False (Correct Answer)**

Radio receivers in the early days utilized power from three battery sources. How were these identified?

A: Power cells.

B: AA cells:

C: **'A', 'B' and 'C' batteries. (Correct Answer)**

D: Solar cells.

Which US call sign district is the smallest in land mass?

A: The 1 district

B: **The 2 district (Correct Answer)**

C: The 3 district

D: None of the above

The prefix "7S" is assigned to what country?

A: Japan

B: **Sweden(Correct Answer)**

C: Lesotho

D: Sri Lanka

A reflex klystron is primarily used as a

A: microwave amplifier

B: frequency reference

C: **microwave oscillator (Correct Answer)**

D: paperweight

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

*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.*