



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

Board Members

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

Patch Staff

Editor: Ed KB8BKE
DX: Jim AA8OY
History: Scott KO8O
Sunshine: Bob K8QXO

Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
ARRL /OH Gov. Liaison	Bob Winston	W2THU
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	Vacant	
Program Director	Joe Koskovics	N8JKO
Publicity	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Bob Mekinda	K8QXO
Web Master LCARA	Bill Wihebrink	N8IJG

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**Our Next meeting will be held at the
UH Tri-Point Physicians Pavilion
7590 Auburn Rd.
Ground Floor – Meeting Room #2**

Message from the President

Greetings,

.
Our next club meeting will be held on **April 2nd**. **Axel Fisser** will be presenting on the subject of Lithium batteries.

Starting in June, our monthly meetings will be held at UH Lake West campus.. More information will be forthcoming soon. We will still be streaming the meeting live online via Zoom. Hope you can attend

Our next public service event of this year is on April 13th. The "Rails to Trails 10 & 20 miler" is a reconstituted version of the famous 10 & 20 Drop Run. If you would like to help, please visit:
https://www.lcara.org/?page_id=161 Register for this, or any of our other upcoming events.

.
It's not too late to **renew your LCARA membership for 2025**. Renewal forms and payment instructions are available on our website. We accept payment by mail or credit card. You can also pay in person by cash (or check) at a club meeting. Hope to see you soon.

Stay safe and be well. '73

-Ed

Did you know that LCARA is eligible to receive a \$5 rebate check from the ARRL, for those renewing their ARRL membership (\$15 for new ARRL members)? In order for us to receive the rebate, a separate form needs to be included when you send in your application and payment. Contact me or any board member for the form or should you have any questions.

Membership Meeting Minutes

Membership Meeting Minutes for 3/5/25

Board Members Present:

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

Attendees:

Ed KB8BKE	Tom KE8HJL
Bill N8IJG	
Bill N8WCL	Jim AA8OY
Mike WB8ZGH	Neal NF1X
Ron NU8N	Marty KE8QWI
Norb KF8DHH	Greg KF8WZT
Bob N8KBX	Bob KF8AIM
Dave KE8WOC	Larry WB8PHI
Bob K8QXO	Vito AD8OI
Cal W8BZP	Chris KE8JPO
Ric W8QL	Evan W8LSQ
Mike Valko	Tim K3LR

The Ed (KB8BKE) – started the meeting at 7:30. The meeting was conducted online via Zoom and in person at the Tri Point – Physicians Pavilion Meeting Room.
The minutes from the Nov meeting were approved

New Business:

- Tim Duffy K3LR gave a presentation on Antenna Building. You can to www.KLR3.com or ONALLBANDS.com to get additional information.
- Bob K8BL brought information lithium battery safety and volunteer opportunity for Meal on Wheels.
- GARA is hosting a Tech Class at the Geauga EOC.
- Mike Valko's dad passed away and he passed out a flier with KA8EKE ham radio's equipment for sale.

Radio / Repeaters: Bill N8IJG:

- All the repeaters are operational and working fine. We are urging everyone to participate.

Secretary Report: Tom (KE8HJL)

- Nothing to Report

Treasurer Report: ED (KB8KBE):

- Ed (KB8BKE) is in good shape

Director At Large: Joe (N8IKO)

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- Axel is going to present on Lithium Battery Safety in April
- We are looking at August for the next meeting in need of a speaker.
- Anthony – K8ZT has a lot of presentations available.
- Joe is planning on doing a presentation on NVIS Antennas

Sunshine : Bob K8QXO

- Nothing to Report

DX Report: Jim (AA80Y)

- See Jim's Report

Public Service: Mike (WB8ZGH)

- The next event is the – Spring Thaw – March 30th – Veterans Park in Mentor.
- In the Middle of April there is the Drop Run from Middlefield to Chardon.
- All the events listed in black on the website have been verified and you can sign up in the link.
- Remember the 10m Net.

Historical Society: Bob (K8QZXO):

- Jim K8BL - On the Historical Society Website there is a link to a form if you want to operate a radio - the link doesn't work

ARRL Liaison: Bob (W2THU):

- The ARRL has a sponsor for the Home Readiness Bill. It will enable you to put an antenna up in an HOA

Ohio Legislative Liaison: Bob (W2THU)

- No news on legislation.

VE Testing: Don (WA8TWM)

- We have 5 testing for the VE testing last Saturday – all passed.

ARES: Joseph (N8JKO).

- The net will be continuing.

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 \$35 – Dave won and donated it to the club.

Meeting adjourned at: 8:08 p.m.

Tom (KE8HJL)



Sunshine Report for February 2025

By: Bob Mekinda K8QXO

No Report

Backscatter for March & April 2025

by: *Scott Farnham KO8O*

LCARA Historian



March BACKSCATTER

149 Years Ago: Alexander Graham Bell made the first telephone call. His assistant, Thomas Watson, located in an adjoining room in Boston, heard Bell's voice over the experimental device say to him, "Mr. Watson, come here. I want you." Later that day, Bell wrote his father of his "great success" and speculated that "the day is coming when wires will be laid on to houses just like water and gas, and friends converse with each other without leaving home."

95 Years Ago: In 1930, a ninth planet is discovered by Clyde Tombaugh at Lowell Observatory in Flagstaff AZ. At one-tenth as large as Earth and 3.6 billion miles from the sun it was given the name Pluto. 76 years later it was downgraded to a "dwarf planet".

45 Years Ago: The program at the March meeting is the film "The World of Amateur Radio" starring hams Arthur Godfrey, Barry Goldwater and King Hussein.

The 2nd Annual LCARA Hamfest is moving from the Painesville Armory to the new and more spacious Mentor High School. 2895 flyers are mailed as far away as the PA line.

ICOM announces their new miniature HT, the IC-2A, measuring only 5.25"x 2.5"x1.4", plus battery. With a thumb-wheel switch for frequency control, it covers the entire 2 meter band.

The FCC approves use of ASCII between 3.5 and 21.23 MHz Rates as high as 19.6 KBaud will be allowed.

40 Years Ago: With the FCC phasing out of amateur exams, LCARA begins its Volunteer Examination program. The first LCARA VE exams are to be given March 31st at the Hamfest.

A new one! The ARRL recognizes the UK Sovereign Base Areas on Cyprus as separate DXCC countries/entities. The prefix, ZC4 represents the two UK military bases at Akrotiri and Dhekelia.

35 Years Ago: Bill, N8BC reports the Royal Observatory in Brussels has officially declared the current 11 year sunspot cycle to have peaked in September of 1989.

30 Years Ago: The FCC starts the Vanity call sign program. Bob, K8BL speculates on requesting the call K8BUBBA.

If Wayne Greene sees his shadow on Groundhog Day, does that mean we'll have six more years of bad sunspots?

25 Years Ago: With license restructuring to take effect April 15th, LCARA's VE team reports a crowd taking Extra and General theory. Instead of a normal turnout of 10-15 people, the tests at AES bring in 76.

Starting a five year cycle, the February Backscatter, accidentally omitted from the February Patch, is printed alongside the March Backscatter.

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20 Years Ago: Radio Officer Don WN8IIJ reports the .21 repeater has been replaced along with the antenna system, duplexer and hard-line. The remote inputs are off for a while to test the sensitivity of the new machine. PL of 110.9 has been added to minimize the DX problem, and autodial is no longer available.

Newsletter editor Grant, KV0T has found two people to assist with the Patch. Ray, N8QWS will edit and print, while Dennis, KI8U will write articles.

15 Years Ago: Vibroplex is sold! In business continuously for 110 years, W4PA, Scott Robbins becomes the 8th owner of the manufacturer of side-to-side mechanical, semi-automatic Morse keys, first manufactured and sold in 1905. Founded by Horace Greeley Martin of New York City, the original device became known as a "bug", most likely due to the original logo, showing an "electrified bug".

10 Years Ago: LCARA's January and February meetings are snowed out.

Joe N8JKO, bemoans the decline and bankruptcy of Radio Shack, which once had 3500 stores selling CB's and Tandy computers.

5 Years Ago: Newsletter editor, Melody, KB8QIB wins LCARA's Ham of the Year award.

LCARA VP Larry Caskey, K8LPC, SK.

Zero Years Ago: Repeating a pattern from 25 years earlier, no Backscatter is published due to author memory failure.

April BACKSCATTER

274 Years Ago: Ebenezer Kinnersley lectures on "The Newly Discovered Electrical Fire. "Notice is hereby given to the Curious, that Wednesday next, Mr. Kindersley proposes to begin a course of experiments on the newly discovered Electrical Fire, containing not only the most curious of those (discoveries) that have been made and published in Europe, but a considerable number of new ones ... to be accompanied with methodical Lectures on the nature and properties of that wonderful element."

69 Years Ago: A battery/solar-cell power radio was introduced by the Admiral Corporation. Using six transistors it needed so little electricity that six D cell batteries would give up to 1,000 hours of use. The \$60 radio was small, about 3 x 9 x 10 in. and weighed only 5.25 pounds. An optional \$185 solar "Sun Power Pak" was available to provide power from a silicon "solar cell element."

45 Years Ago: Canada gives US amateurs reciprocal privileges. When visiting VE land, US hams may use frequencies and modes allowed in their own country, if they are also permitted in the Canadian DoC regulations.

40 Years Ago: After six years, LCARA is thrown out of the Englewood Holiday Inn! Despite numerous calls and letters, Dan KA8MLA is notified the 20 rooms LCARA had reserved the prior April for the Dayton Hamvention weekend are no longer available. No apologies are given. We've never returned.

Heathkit introduces the HD-4040, the first commercially available TNC. Priced at only \$299.99, this includes several LEDs and an on-off switch. The only previously available TNC, from TAPR, has sold 2000 units.

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35 Years Ago: The FCC issues PR Docket 90-55, proposing a no-code amateur license, to be known as the Communicator. Privileges would include all bands from 220 MHz up, and holders would be required to sign with their calls followed by /AC.

The Willoughby input is on the air. Located five stories above the ridge and overlooking Daniels Park to the south and the shore way to the north, coverage appears promising.

Ray, W8FLX, back on HF after a number of years, runs into a Rhode Island ham on 20 CW. Surprised when the RI ham recognizes his call, Ray inquires if they have met before. The response; "Ray, you were my Elmer" brings back memories from 40 years earlier when Ray elmered a 15 year-old high school student, who now has had a lifetime hobby of amateur radio.

30 Years Ago: In QRN ES QRM ES QSB de K8BL, Bob gives the trivia report of the day: The Hara arena, home of the Dayton Hamvention, received it's name from the two owners of the facility, Harold and Ralph Wampler.

Horace Funk, N8LID reports to the editor, Bruce Knocks, on his DX exploits. Included are "6 states worked 3 times, New jersey, New york, New hampshire, New Freedom, New Calidonia and New York" and "3 states worked 2 times, Road Island, San Fran Cisco, and Myanmar." Horace suggests that "it wastes half a band only using one sideband. So I switch back and forth till I find the one that fits best between the other peoples." He also ponders the question "If the sun spot cycle is 11 years long why is it still a toll call to Parma?"

25 Years Ago: Jim, KF8VX wins the Auxiliary Drawing at our Hamfest. The prize is his choice of a 27 inch color TV, a Quail Hollow weekend (for 2), or \$250 cash. There is no record as to which prize was selected.

20 Years Ago: The FCC continues to develop a NPRM (Notice of Proposed Rule Making) regarding changes to the current Morse code requirement of 5 WPM. Thousands of comments have been filed, and it is expected to be the 2nd half of the year before any rule changes are implemented.

15 Years Ago: All LCARA repeaters are down as they move to Tri Point Hospital. 2 meter nets are temporarily held on the Lakeland repeater at 147.255(+).

5 Years Ago: COVID strikes! No March LCARA meeting is held, but there is discussion of holding them on a software platform called Zoom.

Reno Tonsi, WT8C, SK.

DX Alert

by: *Jim Pyle AA8OY*



April 2025 DX Report

3B9, Rodrigues Island: Two operations HB9NMT, Matthias, has been on Rodrigues Island as 3B9NMT since March 16, and will be there until March 29. His activity up to now has been only on 20, 15, 12, and 10M FT8. OK6DJ, David; OK7GU, Milan; OK1CRM, Palo; OK1BOA, Petr; and OK2ZA, Rudolf will operate as 3B9DJ March 24-April 5. They plan to be on 160-10M CW, SSB, and FT8.

FJ, St. Barthelemy: FJ/SP9FIH and TO1P SP9FIH, Janusz, has begun his FJ/SP9FIH operations from St. Bart's. Although he is not an avid FT8 user, he will operate this mode due to high community demand. During the first four days of his FJ/SP9FIH operation, he will use Fox/hound and MSHV. On March 24, Janusz will begin his TO1P operation using Super Fox mode. Interested parties should learn how to operate Super Fox. Janusz often prefers SSB, his favorite mode.

YJ, Vanuatu: YJ Operating hours are expected to be mostly between 2100 UTC and 1000 UTC due to local nighttime noise levels. ØCA begins next week VK2YUS, Chris, will operate as YJØCA from Port Vila March 24-April..

CQ3W – Madeira Island Helmut, DF7EE, will 5R – Madagascar Several members of the Italian DX Team are planning to operate from Madagascar October 29-November 12 as 5R8TT and 5R8XX. Operators will be IK2RZP, Gino; I2PJA, Tony; IV3ZXQ, Maurizio; I2YSB, Silvano; IK2CKR, Angelo; IK2HKT, Stefano; I1FQH, Franco; and I1HJT, Alfeo. They will operate four stations. and be active again as CQ3W from Madeira Island (AF-014) during the CQ World Wide WPX Contest, SSB, probably as a single-operator entry. J6 – St. Lucia

In celebration of the 100th anniversary of the International Amateur Radio Union operating at the J68HZ station.

3.,5R – Madagascar. Several members of the Italian DX Team are planning to operate from Madagascar October 29-November 12 as 5R8TT and 5R8XX. Operators will be IK2RZP, Gino; I2PJA, Tony; IV3ZXQ, Maurizio; I2YSB, Silvano; IK2CKR, Angelo; IK2HKT, Stefano; I1FQH, Franco; and I1HJT, Alfeo. They will operate four stations.

Upcoming Contests: (from the OSJ)

Contest	Start Date	End Date
CQ WW WPX Contest, SSB	3/29/2025	3/30/2025
SP DX Contest	4/5/2025	4/6/2025
Louisiana QSOP	4/5/2025	4/6/2025
Georgia QSOP	4/12/2025	4/13/2025
New Mexico QSOP	4/12/2025	4/13/2025
Holyland DX Contest	4/18/2025	4/19/2025
Michigan QSOP	4/19/2025	4/20/2025
Ontario QSOP	4/19/2025	4/20/2025
SP DX RTTY	4/26/2025	4/27/2025
10-10 Intl. Spring Contest, Digital	4/26/2025	4/27/2025

Upcoming Ham Fests: (from the OSJ)

<p>04/05/2025 - <u>Cuyahoga Falls Amateur Radio Club 69th Hamfest</u> Location: Cuyahoga Falls , OH Type: ARRL Hamfest Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. Website: https://www.cfarc-hamfest.org Learn More</p>	<p>04/26/2025 - <u>Tusco Amateur Radio Club's 2025 Hamfest, Computer & Electronics Show</u> Location: Dover, OH Type: ARRL Hamfest Sponsor: Tusco Amateur Radio Club Website: http://www.w8zx.net/hamfest Learn More</p>
<p>04/27/2025 - <u>Athens Hamfest</u> Location: Athens, OH Type: ARRL Hamfest Sponsor: Athens County Amateur Radio Association Website: https://www.ac-ara.org/ Learn More</p>	<p>05/10/2025 - 05/15/2025 <u>RV Radio Network Rally</u> Location: Navarre, OH Type: ARRL Convention Sponsor: RV Radio Network Learn More</p>
<p>05/15/2025 -05/18/2025 - <u>Four Days In May</u> Location: Fairborn, OH Type: ARRL Convention Sponsor: QRP Amateur Radio Club International Website: http://qrparci.org/fdim Learn More</p>	<p>005/16/2025 - 05/18/2025 <u>Dayton Hamvention</u> Location: Xenia, OH Type: Sponsor: Dayton Amateur Radio Association Website: http://Hamvention.org Learn More</p>

ARRL News:

□ 03/21/2025 | [Ham Radio, Students and Scientists at the 2025 HamSCI Workshop](#)



Some 175 scientists, students, professors, and amateur radio operators from around the world gathered in person and virtually on March 14 and 15 to share research, educate each other, and network at the annual HamSCI Workshop. [Read More](#)

□ 03/21/2025 | [The ARRL Solar Report](#)



Solar activity reached moderate levels due to an isolated M1.5/1n flare on March 19 at 2040 UTC from Region AR4031. [Read More](#)

□ 03/14/2025 | [Radio Connects is 2025 ARRL Field Day Theme](#)



The theme for 2025 Field Day is “Radio Connects” — highlighting the many ways that wireless technology connects people across distances near and far. [Read More](#)

Ham Radio Trivia Quiz (Answers on page 21)

What does the term "soft" mean when applied to a vacuum tube?

- A: The vacuum is not very good
- B: The tube is unusually fragile
- C: The characteristic curves are very nonlinear
- D: It has flexible leads instead of plugging into a socket

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PL-259 connectors are not generally used for UHF transmission line connections for what reason?

- A: They block frequencies above 250 MHz
- B: It's just the accepted design practice.
- C: They display non-constant impedance as frequency increases.
- D: None of the above.

Which of the following vacuum tubes was popular as a Homebrew kilowatt input grounded grid hf amplifier during the 1960s?

- A: 6146B
- B: 6AL5
- C: 813
- D: 12BY7A

At resonance, a Folded Dipole in free air exhibits what impedance?

- A: 100 ohms
- B: 50 ohms
- C: 200 ohms
- D: 300 ohms

What effect does insulation of a wire have on resonant length?

- A: Shortens the resonant length due to added inductance
- B: Lengthens the resonant length due to added capacitance
- C: Shortens the resonant length due to added capacitance
- D: Lengthens the resonant length due to added inductance



VE Testing Sessions HAM EXAMS

The Lake County Amateur Radio Association is holding its **2025** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, April 5th	
Saturday, June 7th	Saturday, August 2nd
Saturday, October 4th	Saturday, December 6th

This bi-monthly schedule is the first Saturday of every even-numbered, and 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. It is not necessary to pre-register, but if you would like to complete the form 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 ARRL 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

In addition to the \$15 test fee, the FCC 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 NCVEC Form 605, available in pdf from several sources if you Google "NCVEC 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..
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..

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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



Silver Creek Amateur Radio Association

Greetings,

We're excited to invite you and your club to participate in the **2025 Northeast Ohio Multi-Club Parks on the Air (POTA) Event on Saturday, May 31st, 2025!** This all day event, sponsored by The Silvercreek Amateur Radio Association, is an opportunity for hams across **Northeast Ohio** (and beyond) to get on the air, showcase amateur radio, and collaborate with fellow clubs.

1. **Basic Park Activation:** Choose a park and let us know where your club will be operating via the sign-up sheet. If interested, we'll place your activation on our *Participating Clubs List* on the SARA club website (<https://w8wky.org/neo-pota/>) which details which clubs are doing what, and where. Then, activate a park as you normally would and have fun! No other additional commitments!
2. **(Optional) Participate in Special Inter-Club Operating Activities:** If your club is interested in leading or joining a unique operating activity, we'd love to coordinate time frames so we can maximize participation.
3. **(Optional) Join the Planning!** We'll be hosting an Initial Coordination Meeting online to outline the event as well as gauge interest and get ideas for different Special Inter-Club Operating Activities. As we get closer to the date of the event, we'll hold additional meetings for planning these individual Inter-Club Operating Activities.

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If your club is interested in participating, please reply to this email, fill out the sign-up form, or reach out to **Josh Van Dyke** - ke8vka@gmail.com.

To help with coordination during the event, we will be using the AllStar node 48496 (Echolink W8WKY-R) as a central hub for clubs and operators to connect in real-time. For those in the area that is the W8WKY repeater 147.390MHz+ PL 114.8 and W8OKE 147.015MHz+ PL110.9.

For continued updates, please see the event webpage on the SARA club website: [2025 NEO Multi-Club POTA Website](#)

Sign-Up Form: [2025 Northeast Ohio Multi-Club POTA Activation - Club Sign-Up Form](#)

Looking forward to hearing you on the air,

Third Tuesday Breakfast Group



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is April 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.



LCARA Board Meeting

Board Meeting



The LCARA Board meets quarterly (unless otherwise needed).

Meetings are open to all members.

Contact any board member if you'd like to attend.

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

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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)

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

Joseph Koskovics < n8jko@outlook.com > (216) 952-5789

For Sale:

Diamond K 400-38c lip mount (never used) List \$78.00 - asking \$40.00

Barjan Vice-Grip antenna mount (have 3, still in original packaging). List \$28.00 – asking \$10 each.

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

KA8AKE (SK) estate Contact Mike @ 440-975-6126 or mv4411@hotmail.com

For Sale:

- 1) Drake R-4B Rcvr w/manual \$225
- 2) Drake T-4XC Txmtr w/manual \$160 (All 3 Drake items \$425)
- 3) Drake MS-4 Spkr/power supply \$160
- 4) Kenwood TS-590sg tcvr w/manual \$900
- 5) Kenwood MA-5 Antenna \$60
- 6) Denton MLA-2500 Linear w/manual \$500
- 7) Asiatic Silver Eagle D-104 mic \$150
- 8) US tower TMM433 40' crank-up tower (you take down) \$2000
- 9) Hy-Gain H-IV/CD controller w/160' cable \$75
- 10) 150'(+/-) Triax RG/8U (Belden #9888) NEW \$1500
- 11) 250' (+/-) Same above – connected to tower \$1800
- 12) Trinidad III SBE-45CB \$30



April 2025

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
		1	2 Club Mtg. 7:30pm	3 2 Mtr. Net 7:00pm	4	5 VE Testing 12 pm
6	7 ARES Net. 7:30pm	8	9 10 Mtr. Net 8:30pm	10 2 Mtr. Net 7:00pm	11	12
13 Palm Sunday	14 ARES Net 7:30pm	15 3 RD Tuesday Breakfast	16 10 Mtr. Net 8:30pm	17 2 Mtr. Net 7:00pm Maundy Thursday	18 Good Friday	19 Holy Saturday
20 Easter Sunday	21 ARES Net 7:30pm	22	23 10 Mtr. Net 8:30pm	24 2 Mtr. Net 7:00pm	25	26
27	28 ARES Net. 7:30pm	29	30 10 Mtr. Net 8:30pm			

QRZ Ham Radio Trivia Quiz Answers

What does the term "soft" mean when applied to a vacuum tube?

- A: **The vacuum is not very good (Correct)**
- B: The tube is unusually fragile
- C: The characteristic curves are very nonlinear
- D: It has flexible leads instead of plugging into a socket

PL-259 connectors are not generally used for UHF transmission line connections for what reason?

- A: They block frequencies above 250 MHz
- B: It's just the accepted design practice.
- C: **They display non-constant impedance as frequency increases (Correct)**
- D: None of the above.

Which of the following vacuum tubes was popular as a Homebrew kilowatt input grounded grid hf amplifier during the 1960s?

- A: 6146B
- B: 6AL5
- C: **813 (Correct)**
- D: 12BY7A

At resonance, a Folded Dipole in free air exhibits what impedance?

- A: 100 ohms
- B: 50 ohms
- C: 200 ohms
- D: **300 ohms (Correct)**

What effect does insulation of a wire have on resonant length?

- A: Shortens the resonant length due to added inductance
- B: Lengthens the resonant length due to added capacitance
- C: **Shortens the resonant length due to added capacitance (Correct)**
- D: Lengthens the resonant length due to added inductance

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Amateurs Code

By Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

BALANCED..... Radio is an avocation, never interfering with duties owed to family, job, school or community.

CONSIDERATE..... Never knowingly operate in such a way as to lessen the pleasure of others.

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.

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.

PATRIOTIC..... With station and skill always ready for service to country and community

PROGRESSIVE..... With knowledge abreast of science, a well built and efficient station and operation beyond reproach.

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 welcome and are fully deductible from Federal Income Tax. Items may be reprinted by other non-profit publications without prior permission providing credit is given to the original source and The LCARA Patch.

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 110.9 Hz
Echo link N9IJG/R Node #665499
224.500 (- 1.6MHz) - PL 141.3 Hz.
444.650 (+ 5.0MHz) - PL 131.8 Hz.*