



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 | Nate | W1OLE |
| Program Director | Joe Koskovics | N8JKO |
| Publicity | Bob Mekinda | K8QXO |
| Repeater | N8IJG - KB8BKE | |
| Sunshine | Bob Mekinda | K8QXO |
| Web Master LCARA | Bill Wihebrink | N8IJG |

**Our next club Meeting: February 7th, 2024
@ the UH Tri-Point Physicians Pavilion
Lower Level entrance
Meeting Rm. #2**

Index

Message from the President.....3
Meeting Minutes.....4
Sunshine.....6
Back Scatter.....7
DX Alert.....9
Contests.....10
Hamfests.....12
ARRL News.....13
VE Testing.....17
3rd Tuesday Breakfast Group.....19
Weekly Net Information.....20
Sell, Swap, Buy.....23
Club Calendar.....24
Amateur's Code.....26

Message from the President

Greetings fellow travelers,

Our **next club meeting** will be held February 7th, at **UH Tri-Point Physicians Pavilion**. Enter via the doors off the north (lower) parking lot, and proceed down the hallway to meeting room #2. 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. Should travel become ill advised due to bad weather or road conditions in general this winter, meetings will be conducted online only. We will notify the group as early as possible on meeting nights when any such changes are warranted. Keep an eye on your email for updates.

LCARA membership renewals are due. (The grace period ends on March 31st, 2024). As voted last year, the dues amounts for 2024 have been increased to \$30 for single and \$45 for family memberships. Forms to update your contact information are available for download on our website at: www.lcara.org, under the "Membership" tab. We've added an online renewal form and a "Pay by Credit Card" option. Note that payments by credit card do incur a processing fee and service charge. These fees are included in the amounts listed on the checkout form. Payments can also be made in person at any meeting, or by check via USPS.

For those about to renew your ARRL membership, LCARA is eligible to receive a \$5 commission check for each renewal (\$15 for new ARRL members). In order for us to receive the rebate, a separate form is to be included when you mail off your renewal and payment, a link to the form is available here:

<https://www.arrl.org/files/file/Clubs/2023%20Club%20Commission%20Reconciliation%20Form.pdf>

You can also contact me or any board member for a pre-filled form.

Stay safe and be well.

'73

-Ed

Membership Meeting Minutes

Membership Meeting Minutes for 1/3/2024

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 |
| Mike WB8ZGH | Bill – N8IJG |
| Bill K – N8WCL | Larry WB8PHI |
| Tom – KD8SJG | Marty KE8QWI |
| Paul – KE8PP | Neal – NF1X |
| Chris – KE8VRN | Evan – W8LSQ |
| Bob – K8BL | Bob – N8KBX |
| Bob K8QXO | Don WA8TWM |
| Tom- KA8TTQ | Rick – W8QL |
| Bob W2THU | |

President: ED K8BKE

- The meeting was called to order at 7:30 am and was held at Tri-Point Physicians Pavilion.
- The minutes from the December meeting were approved.

Member At Large: Joe (N8IKO)

- The picnic is scheduled for Saturday July 13th at Chagrin River Reservation.
- Upcoming speakers – Joe is still working on getting additional speakers

New Business:

- Winter Field Day is coming up and Jan 27 & 28. If anyone shows interest, we could set up at the History Center.
- Larry and his wife Melody made \$5,000 donation to the club
- GARA is giving free classes at the Geauga County EOC –
- The Jan 16th there is a breakfast at Perkins in Painesville at 8 am.

Radio / Repeaters: Bill N8IJG:

- The repeaters are working well.
- We are still working on getting the antennas added to Painesville

Secretary Report: Tom (KE8HJL)

- 24 members paid their dues.

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

Treasurer Report: ED (KB8KBE):

- Nothing to report

Sunshine : Bob K8QXO

- N/A

DX Report: Jim (AA80Y)

- See Jim's Report

Public Service: Mike (WB8ZGH)

Upcoming events:

- Nothing at this time
- The ARES District 10 Conference will be held in February 17th, there will be 4 presenters
- Volunteers needed to sign up for the eclipse on April 8th – We will be manning the Lake County EOC and hospitals in the area.
- NVIS Day will be in April probably at Garfield Historical Center

Historical Society: Bob K8QXO:

- Nothing to report.

ARRL Liaison: Bob (W2THU):

- N/A

Ohio Legislative Liaison: Bob (W2THU)

- Scot N8SY – sent out a newsletter

VE Testing: Don (WA8TWM)

- All but one passed

Netts: 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 - \$20 –

Meeting adjourned at: 8:03 p.m.

Tom (KE8HJL)



Sunshine Report:

by: Bob Mekinda K8QXO

No Report

Backscatter for January 2024

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

2070 Years Ago: Julian calendar year One. Created by Julius Caesar, it was based on a solar year of twelve months, a total of 365 days, with an extra day every fourth year. The previous Roman calendar had been behind by 67 days, making that 1st year an extraordinary 445 days long in order to synchronize with the equinoxes. Unfortunately, since the real solar year is slightly longer than the 365.25 day average, as centuries passed, the calendar was again out of step with the seasons. In 1582, Pope Gregory XIII issued a papal bull for the Gregorian Calendar reform, which skipped 10 days, and refined the leap year rule.

112 Years Ago: The first radio broadcast demonstration in the U.S. was given by Nathan B. Stubblefield in Fairmont Park NJ. He transmitted his voice to a receiver a mile distant, but kept the details of the invention secret until he was issued a patent. However, unable to obtain a buyer for his invention, he received little notice.

78 Years Ago: ENIAC is created by John Mauchly and J. Presper Eckert at the University of Pennsylvania. It is regarded as the first successful general digital computer, and weighed over 60,000 lb, containing more than 18,000 vacuum tubes. A staff of six technicians replaced about 2000 tubes each month. Many of ENIAC's first tasks were for the military, such as calculating ballistic firing tables and designing atomic weapons. Since it was initially not a stored program machine, it had to be reprogrammed for each task.

52 Years Ago: Coordinated Universal Time (UTC) was adopted worldwide. The abbreviation - UTC - was chosen as an international compromise between the initials of the English language "coordinated universal time" and French "temps universel coordonné." Leap seconds are added periodically, about once each 18 months, to match the Earth's rotation, which is slightly variable due to tidal forces with the Moon

45 Years Ago: No Code dead? The FCC votes "in the strongest possible manner" to retain the morse code requirement for all classes of amateur radio licenses. PRB chief Robert Foosner and Chairman Mark Fowler state that code is very important, and in some cases essential for getting the message through.

Vic Clark, W4KFC, ARRL President, RIP.

40 Years Ago: STS 9, the first shuttle to carry an amateur, is now history. Owen Garriott, W5LFL, makes a number of hams happy with their first space QSO. Will he count as a new country on the basis of separation by vacuum?

The 3.5" floppy is born. ANSI selects the new standard over competing 3", 3.25" and 4" formats.

35 Years Ago: Ken, N8EIH, reports on DX conditions in Hawaii. While visiting KH6 land for his 10th anniversary celebration, XYL Deena allows limited 2m operation. Putting his call on the linked inter-island

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

repeater, he receives the response "QRZ? This is K8NYZ on the island of Kauai, visiting from Mayfield Heights, Ohio.

30 Years Ago: RU ready? Major changes in the former Soviet Union have created new prefixes. Armenia, ex UG, is now EK. Azerbaijan, ex UD, is now 4J. Belarus, ex UC, is now EU-EW. Georgia, ex UF, is now 4L. Kazakh, ex UL, is now UN-UQ. Kirghiz, ex UM, is now EX. Moldavia, ex UO, is now ER. Russia doesn't change, but Turkoman, ex UN, is now EZ. Ukraine, ex UB, is now UR-UZ & EM-EO. Finally, Uzbek, ex UI, is now UJ-UM. Test follows later.

Happy Birthday! Cell phones are 10 years old, with more than one million customers, half of them in California.

25 Years Ago: The ARRL files formal comments in response to the FCC's proposed streamlining of amateur radio rules. Included in the League's plan are elimination of Novice and Tech Plus license classes, with existing Novice and Tech Plus amateurs being upgraded to General. Code requirements would be reduced to two levels, 5 and 12 WPM, with the entry level remaining no-code.

20 Years Ago: Keeping up with the times, the International Telegraph Union in Geneva adds "@" to the morse code character set, using .--.-. (A and C run together).

Antenna Rules of Thumb, provided by Dee, W1HEO, include:

If it stays up, it wasn't high enough.

Temporary installations tend to become permanent.

Permanent installations never are.

Antenna efficiency is inversely proportional to ambient temperature at the time of installation.

The Patch profiles Dennis, AB8NI and Roofus.

15 Years Ago: Pictures of members at the December Club Dinner show three hams wearing very strange headgear.

10 Years Ago: The January Patch points out that January 8th is Tupelo, Mississippi born "singer, musician, and actor" Elvis Aaron Presley's birthday.

Billed as a mini-field day operation. PCARS, the Portage County Amateur Radio Service holds special events station FYAO, "Freeze Your Acorns Off"

First Class postage increases from 46 to 49 cents.

5 Years Ago: The antenna at the Breckenridge remote site has been replaced. In December! See "Antenna Rules" from 15 years earlier.

DX Alert

by: *Jim Pyle AA8OY*



February 2024

SENEGAL, 6W. Gerhard, OE3GEA plans to be QRV as 6W/OE3GEA near Dakar from January 27 to February 4. Activity will be on 30 to 10 meters using CW.

YEMEN, 7O Vlad, OK2WX is QRV as 7O2WX from Socotra Island, IOTA AF-028, until February 12. Activity is on 160, 80, and 40 meters.

MALDIVES, 8Q Keith, G3WRO is QRV as 8Q7WR until February 6. Activity is holiday style on 40 to 10 meters, and possibly on 80 meters, using SSB.

WEST MALAYSIA, 9M2 Ross, 9M2AX has been active on 160 meters using CW from around 1230 to 1430z, and then from around 2000 to 2330z.

BOTSWANA, A2. John, A2NEW is QRV from Gaborone. Activity is on most HF bands daily from 1600 to 1900z.

ANTARCTICA. Station DP0GVN is QRV from the Neumayer Station III on the Ekstroem Ice Shelf at Atka Bay on Dronning Maud Lan.

IRAN, EP. Mohammed, EP5MMS is often active on 20 meters using SSB around 1200 to 1300z. QSL via LoTW.

LIECHTENSTEIN, HB0. Operators DL1MGB, DL3DXX and DL5LYM will be QRV as HB0DX in the CQ World Wide 160 Meter CW contest. Prior to the contest and possibly during the contest they will be active on other bands using mostly CW.

MINAMI TORISHIMA, JD1. Take, JG8NQJ is QRV as JG8NQJ/JD1 while on work assignment at the weather station located here. Activity is in his spare time on 17 and 15 meters, and possibly 12 and 10 meters, using CW and some FT8 around 2100 to 0200z.

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. Martin, MW0BRO is QRV as ZC4GW during 2024.

ST. HELENA, ZD7, Elvira, IV3FSG is QRV as ZD7Z from Jamestown until February 4. Activity is on 160 to 6 meters, including 60 meters, using CW, SSB, RTTY, FT8, and FT4.

FRENCH POLYNESIA, FO DK8KW, Geri, will be on the air as TXØQRP February 29-March 3 from Papeete, Tahiti. He will have an Elecraft KX3 running 5W to a ground plane antenna on or near the popular QRP CW frequencies on the upper bands. If conditions are poor, he will also use FT8. This is a casual operation when time permits.”

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

H4 – Solomon Islands, Bernhard, DL2GAC will be active again as H44MS from the Solomon Islands (OC-047) February 10-April 25. He will be QRV on a daily basis, with activity on 160-6M SSB and some FT8. April 25. He will be QRV on a daily basis, with activity on 160-6M SSB and some FT8.

Happy hunting!
Jim, AA8OY
Thanks to ARRLDX

Upcoming Contests: (from the OSJ)

Check out the WA7BNM Contest Calendar page <https://www.contestcalendar.com/>

| Contest | Start Date | End Date |
|--------------------------------|-------------------|-----------------|
| 10-10 Int. Winter Contest, SSB | 2/3/2024 | 2/4/2024 |
| British Columbia QSOP | 2/3/2024 | 2/4/2024 |
| Minnesota QSOP | 2/3/2024 | |
| Vermont QSOP | 2/3/2024 | 2/4/2024 |
| CQ WW RTTY WPX Contest | 2/10/2024 | 2/11/2024 |
| Mississippi QSOP | 2/10/2024 | 2/11/2024 |
| ARRL Inter. DX Contest, CW | 2/17/2024 | 2/18/2024 |
| CQ 160M Contest, SSB | 2/23/2024 | 2/25/2024 |
| North Carolina QSOP | 2/25/2024 | 2/26/2024 |
| ARRL Inter. DX Contest, SSB | 3/2/2024 | 3/3/2024 |
| YB DX RTTY Contest | 3/9/2024 | |
| Idaho QSOP | 3/9/2024 | 3/10/2024 |
| Oklahoma QSOP | 3/9/2024 | 3/10/2024 |
| Wisconsin QSOP | 3/10/2024 | 3/11/2024 |
| Virginia QSOP | 3/16/2024 | 3/17/2024 |
| CQ WW WPX Contest, SSB | 3/30/2024 | 3/31/2024 |

Upcoming Ham Fests: (from the OSJ)

Ohio Hamfests

2024

03/10/2024 - [WINTERHAMFEST](#)

Location: Elyria, OH

Sponsor: Northern Ohio Amateur Radio Society

Website: <http://winterhamfest@noars.net>

[Learn More](#)

03/17/2024 - [Toledo Mobile Radio Association Hamfest and Computer Fair](#)

Location: Perrysburg, OH

Sponsor: Toledo Mobile Radio Association

Website: <http://www:w8hhf.org>

[Learn More](#)

04/13/2024 - [Mid-Ohio Valley Amateur Radio Club](#)

Location: Bidwell, OH

Type: ARRL Hamfest

Sponsor: Mid-Ohio Valley Amateur Radio Club

[Learn More](#)

05/16/2024 - 05/19/2024

[Four Days In May](#)

Location: Fairborn, OH

Type: ARRL Convention

Sponsor: QRP Amateur Radio Club International

Website: <http://qrparci.org/fdim>

[Learn More](#)

07/21/2024 - [Van Wert Hamfest](#)

Location: Van Wert, OH

Type: ARRL Hamfest

Sponsor: Van Wert Amateur Radio Club

Website: <http://w8fy.org>

[Learn More](#)

8/10/2024 - [Cincinnati Hamfest](#)

Location: Owensville, OH

Sponsor: Milford ARC

Website: <https://CincinnatiHamfest.org>

[Learn More](#)

08/18/2024 - [Warren Hamfest](#)

Location: Cortland, OH

Sponsor: Warren Amateur Radio Association

Website: <https://www.w8vtd.com/>

[Learn More](#)

ARRL News:

[YLISSB Celebrates 61 Years On the Air](#)



February 8, 2024, marks the 61st anniversary of the YL System, now known as the YL International Single Side-band System (YLISSB), founded by Vera Mayree Tallman, K4ICA (SK), in 1963. [Read More](#)

[Dr. Philip Erickson, W1PJE, New Director of MIT Haystack Observatory](#)



ARRL Member and active radio amateur Dr. Philip Erickson, W1PJE, is the new director of the Massachusetts Institute of Technology (MIT) Haystack Observatory. [Read More](#)

[The K7RA Solar Update](#)



Just four new sunspot groups emerged this reporting week, January 18-24, one on each day, January 18-21. [Read More](#)

[ARRL is New Publisher of Gordon West, WB6NOA](#)



ARRL The National Association for Amateur Radio® has become the new publisher of the Amateur Radio License Preparation books and related resources authored by Gordon West, WB6NOA. [Read More](#)

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 |

Lake County

District 10 ARES Conference

Ohio ARES District 10, is pleased to present the 2024 ARES Conference on Saturday, February 17th, from 8a until 4p. This event is open to all. You do not have to be associated with ARES to attend. Anyone who is interested in amateur radio communications is welcome. Registration is FREE, and all attendees will be provided donuts and coffee in the morning, as well as pizza and salad for lunch. (Donations are encouraged to offset costs).

Go-Box Display

Please bring your Go-Box to add to our Go-Box display. Boxes will be viewable between sessions and during lunch.

Registration is **REQUIRED** to ensure we don't overfill the conference room, and for lunch planning purposes. Please click the link below to register.

<https://n8esq.org/crm/event/info/?id=541&reset=1>

Location:

Tri-Point Medical Center Physicians Annex
7590 Auburn Rd
Painesville, OH 44077

When entering the facility off Auburn Rd, take the main hospital entrance drive and turn right to the lower level parking area.. Entrance is on north end of the facility. The conference room is on the ground floor past the elevators.

Talk-In Frequency for directions

146.415 Simplex
147.015/R 110.9

Ham Radio Trivia Quiz (Answers on page 25)

A tube with a type code beginning with a "7" usually...

- A: Had a direct-heated filament for 6 NiCd cells
- B: Was made in the USSR for domestic consumption
- C: Had a special 7.4 V filament for rural areas with 138 V service
- D: had a "loctal" base

A BC 454 radio is known as what line.

- A: Command set
- B: Hallicrafters
- C: Air line
- D: Broadcast Carrier Set

A GFI is what?

- A: Grid Filament Intersection
- B: Ground Fault Interrupter
- C: General Frequency Interference
- D: Global Frequency Isolation

In a LC network, as you increase capacitance, what happens to the resonant frequency?

- A: Stays the same
- B: Goes lower
- C: Goes higher
- D: Gets noisy



VE Testing Sessions HAM EXAMS

The Lake County Amateur Radio Association will be holding Amateur Radio license exams on the following dates in 2024:

Saturday, February 3rd
Saturday, April 6th
Saturday, June 1st

Saturday, August 3rd
Saturday, October 5th
Saturday, December 7th

Testing sessions are held on the first Saturday of every even-numbered month (e.g., February being the second month, etc.) at the Kirtland Library, 9267 Chillicothe Road. The library is 1.7 miles south of I-90 on Route 306 (Chillicothe Rd) and shares a driveway with the Kirtland Municipal Center.

The tests will start at **12 noon**. Please arrive 15 minutes earlier.

To take an exam, you will need a NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, use this link:

https://www.arrl.org/files/file/VEs/NCVEC_Form_605_July_2022_INTERACTIVE.pdf

. 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, instructions can be found here;

<https://www.fcc.gov/wireless/support/knowledge-base/universal-licensing-system-uls-resources/getting-fcc-registration>

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 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 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.

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

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 February 20th.. 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 virtually online on the second Wednesday of each month.

. 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

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

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)

Friday

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

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 >

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

Bill Collins < 440-221-9150 >

For Sale:

- 1) Ameritron 811 Amp \$600.00
- 2) Palstar AT2K 200 watt tuner \$500.00
- 3) Alinco DR735 2mtr/70cm \$250.00 (incl. RT Software and prgmng cable)
- 4) Yeasu FT2000 HF/50mhz txcvr \$1200.00 (incl MD100 mic)
- 5) SO2000 spkr \$150.00
- 6) Stryker HP955 10 mtr txcvr \$350.00



February 2024

| Sun. | Mon. | Tue. | Wed. | Thu. | Fri. | Sat. |
|--------------------------------|--|---|---|----------------------------|------------------------|-------------------------------|
| | | | LCARA Meeting 7:30pm | 1 2 Mtr. Net 7:00pm | 2 Groundhog Day | 3 VE Testing |
| 4 | 5 LC ARES Net. 7:30pm | 6 | 7 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm | 8 2 Mtr. Net 7:00pm | 9 | 10 |
| 11 | 12 LC ARES Net 7:30pm | 13 3 RD Tuesday Breakfast Mardi-Gras | 14 10 Mtr. Net 8:30pm Ash Wednesday Valentine's Day | 15 2 Mtr. Net 7:00pm | 16 | 17 ARES Dist 10 Conference |
| 18 ARRL January VHF Contest | 19 LC ARES Net 7:30pm Presidents' Day | 20 | 21 10 Mtr. Net 8:30pm | 22 2 Mtr. Net 7:00pm | 23 | 24 |
| 25 | 26 LC ARES Net. 7:30pm | 27 | 28 10 Mtr. Net 8:30pm | 29 2 Mtr. Net 7:00pm | | |
| | | | | | | |

QRZ Ham Radio Trivia Quiz Answers

A tube with a type code beginning with a "7" usually...

- A: Had a direct-heated filament for 6 NiCd cells
- B: Was made in the USSR for domestic consumption
- C: Had a special 7.4 V filament for rural areas with 138 V service
- D: had a "loctal" base (Correct)**

A BC 454 radio is known as what line.

- A: Command set (Correct)**
- B: Hallicrafters
- C: Air line
- D: Broadcast Carrier Set

A GFI is what?

- A: Grid Filament Intersection
- B: Ground Fault Interrupter (Correct)**
- C: General Frequency Interference
- D: Global Frequency Isolation

In a LC network, as you increase capacitance, what happens to the resonant frequency?

- A: Stays the same
- B: Goes lower (Correct)**
- C: Goes higher
- D: Gets noisy

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.*