



## The LCARA Patch

10 METER ROUNDTABLE  
WEDNESDAY @ 20:30 HRS  
28.450 MHz

[www.lcara.org](http://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 Meeting Is**  
**May 1<sup>st</sup>**  
**@ UH Tri-Point Physicians Pavilion**  
**Ground Floor**  
**Meeting Rm. #2**

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## Message from the President

Greetings,

**Our next club meeting will be held on May 1<sup>st</sup> at UH Tri-Point Physicians Pavilion.** Enter off the north (lower) parking lot, and proceed past the elevators down the hallway to meeting room #2. Doors will be open at 6:30pm. The meeting starts at 7:30pm. For those unable to attend in person, the meeting will also be available online via Zoom. Keep an eye on your email for the link. Our guest presenter will be Axel Fisser (K8AXX).

Our next public service is on May 5<sup>th</sup> in Concord and we can still use more volunteers. Find a full list of events and sign-up forms on our website.

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, available below, needs to be included when you send in your application and payment. Contact me or any board member for any questions.

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

Hope to see you at our next meeting.

Stay safe and be well. '73

-Ed

## Membership Meeting Minutes

### Membership Meeting Minutes for 4/3/2024

#### Board Members Present:

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

#### Attendees:

Ed KB8BKE	Tom KE8HJL
Neil N1FX	Bill N8IJG
Cal W8BZP	Jack KB8OF
Ron NU8N	Bill N8WCL
Larry WB8PHI	Joe N8JKO
Bob N8KBX	Dave KE8WOC
Greg KE8WZT	Bob KF8AIM
Bob K8BL	John KB8YJY
John KB8YJY	Steve KF8AOR
Pat	Evan W8LSQ
Marty WB8LDV	

#### President: ED (KB8BKE)

- The meeting was called to order at 7:33 am and was held at Tri-Point Physicians Pavilion.
- The minutes from the February meeting were approved.

#### Member At Large: Joe (N8IKO)

- Upcoming speakers – Axel will be presenting on battery operations for mobile operation.
- Any interest in 3D printers. 6 yes.

#### New Business:

- Joe brought in his NVIS antenna he spoke about for display.
- Cuyahoga Falls is having a Hamfest on April 13.
- You can get eclipse glasses at your local library.

#### Radio / Repeaters: Bill N8IJG:

- The repeaters are working well. They have been registered.
- Bill will be back doing the Thursday Net and it will also be live streamed on You Tube this week.
- The discussion is that we may take the repeaters out of guard for the Eclipse. We are having trouble with the controller and the computer talking to each other in order for it to work.
- Echo link is up on 147.210

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- 147.255 now requires a PL code of 110.9
- A discussion was held on Baofang radio programming

### **Secretary Report:** Tom (KE8HJL)

- Nothing to Report

### **Treasurer Report:** ED (KB8KBE):

- We have 51 members

### **Sunshine :** Bob (K8QXO)

- Please keep Cal and his family in your prayers
- Tom KD8SJL lost his partner recently.
- Jim Pyle is getting surgery.

### **DX Report:** Jim (AA80Y)

- Jim's Report
- NVIS day is at the end of the month at Garfield's Home

### **Public Service:** Mike (WB8ZGH)

- The Eclipse is April 8<sup>th</sup>. We have various locations staffed including the EOC are staffed. Additional help is needed. It should be an 8 to 10 hour stay. There is a 50/50 chance of seeing the eclipse at this point.
- Lake County, Geauga County, Ashtabula County and Cuyahoga Counties EOC's are being activated.
- Spring Thaw race is on April 7<sup>th</sup> at Veterans Park.
- NVIS day in April
- Drop Run in May

### **Historical Society:** Bob (K8QXO)

- Nothing to report.

### **ARRL Liaison:** Bob (W2THU):

- Nothing to Report

### **Ohio Legislative Liaison:** Bob (W2THU)

- The Amateur Radio Emergency Response Act is to remove restrictions on Ham's in HOA is in the Senate has a companion bill in the House.

### **VE Testing:** Don (WA8TWM)

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- Nothing to Report

**ARES:** Joseph (N8JKO).

- The net will be continuing. No net on April 8<sup>th</sup> due to the eclipse.

**Nets:** Ed (KB8BKE)

Monday: 7:30 pm. – Lake County ARES Training Net – 147.210 (pl 110.9) – (b/u 147.255 – pl 110.9)

Wednesday: 8:30 pm. – Lake Co. ARA 10 Meter Round-Table Net – 28.450 MHz +/-

Thursday: 7:00 pm. – Lake Co. ARA 2 Meter Net – 147.210 (pl 110.9)

50/50 Raffle - \$30 total the winner was Joe – he donated back to the club.

Meeting adjourned at: 8:03 p.m.

Tom (KE8HJL)



## Sunshine Report

*by: Bob Mekinda K8QXO*

Jim Pyle is recovering from shoulder surgery.

## Backscatter for May 2024

by: *Scott Farnham KO8O*

*LCARA Historian*



### BACKSCATTER

**175 Years Ago:** The telegraph register is patented by Samuel F. B. Morse. The patent incorporates the basic features of an earlier receiver plus a method for marking dots and dashes on paper. Within ten years after the first telegraph line opened, 23,000 miles of wire crisscrossed the country.

**91 Years Ago:** QRN? The discovery of radio waves from the centre of the Milky Way galaxy is described by Karl Jansky from Bell Telephone Labs in Holmdel, N.J. They are very low intensity, short wavelength (14.6 meters, about 20 MHz) and require sensitive apparatus for their detection. Found when researching the source of static hiss, their intensity varied regularly with the time of day, and with the seasons. They came from an unchanging direction in space, independent of terrestrial sources.

**49 Years Ago:** The first home videocassette recorder, the Betamax, began sales in Japan. The format made by Sony used one-hour tapes, but a competing system was introduced by JVC in the next year called VHS (Video Home System) capable of two-hour recording. Both companies shortly introduced models with twice those playing times. Betamax was more complex, and was more expensive to manufacture and maintain. Within a few years VHS was the clear winner in the marketplace, and although Sony continued production, in 2001 they made fewer than 3,000 VCRs, sold only in Japan. It was discontinued in 2002.

**45 Years Ago:** Happy birthday to LCARA, now one year old. And what a year! The repeater moves twice, the first hamfest is held, the club's Constitution and logo are created, and the club is incorporated. In addition, there's now an auto patch as well as an announcement tape on the repeater, and club membership is over 50.

One of the worst storms in years hits the area on April 5<sup>th</sup>, and it's too much for one of the eye bolts on the repeater's guy wires. As a result, the tower is totaled, laying across the roof of Lake East, then bending 90 degrees and continuing down several floors. Amazingly, the repeater is back on the air that evening, using leftover tower sections and an antenna from the previous installation.

**40 Years Ago:** The Patch is honored by 73 Magazine by being selected Newsletter of the Month. Editor Gary, KC8GN, shares the credit with the team that produces the newsletter, George, Shirley, Bob, Rusty, Chuck, Jim, Fred, Joe and Dale.

The FCC tosses out Commercial Operator licensing, stating that the repair and maintenance of equipment in the private land mobile, fixed microwave and domestic fixed radio services can be done by anyone deemed qualified by the owner of the equipment. This eliminates Radio-Telephone General, First and Second class licenses.

The FCC lifts restrictions on the use of 1.9 to 2.0 MHz, making 160 meters 100% ham. The restrictions had been in place to protect Canadian LORAN stations, which closed in December.

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**35 Years Ago:** The ARRL proposes a new code free license, to be known as Technician. It would offer all privileges above 30 MHz, except for 2 meters, where licensees would only be allowed packet between 144.9 and 145.01 MHz Existing Technicians would move up to a new class to be called Technician Plus.

**30 Years Ago:** Denny, AA8FO, often known as “ah foo”, sounds off with Cheers and Jeers. Holding the thankless job of Hamfest Raffle Chairman, he cheers Mark N8AUX, Tim WD8RNG, and Mike KB8RKF for leading the way to sales of 1656 tickets. He then goes on to jeer one member who returned his 10 unsold tickets “postage due”.

**25 Years Ago:** Terry Sterman, W9DIA, founder of AES in the ‘50’s, SK

**20 Years Ago:** LCARA moves downstairs. Due to a planned electrical outage on the upper floor of the Mentor Civic Center, the May LCARA meeting moves down a floor.

**15 Years Ago:** The program at the May meeting is “Log Book of the World” by Rick White, W8QL.

**10 Years Ago:** Guest speaker for May is Chief Mike Warner of the Concord Township Fire Department, giving “10 Tips for Fire Safety”, amongst other topics. According to The Patch, one of them is “matches and lighters vs versus kids.”

**5 Years Ago:** The club is given a presentation by Joe (N8JKO) on “How to Survive Hamcation”.

The Swiss government erroneously rules that coffee is “not essential to life”, and the nation’s emergency stockpile can be abolished.

Jack Bricker (KB8WC0 becomes a SK.

## DX Alert

*by: Jim Pyle AA8OY*



No report as Jim is convalescing.



**Upcoming Contests:** (from the OSJ)

10-10 Intl. Spring Contest, CW	5/4/2024	5/5/2024
Arizona QSOP	5/4/2024	5/5/2024
Connecticut QSOP	5/4/2024	5/5/2024
Delaware QSOP	5/4/2024	5/5/2024
Idaho QSOP	5/4/2024	5/5/2024
Indiana QSOP	5/4/2024	5/5/2024
Maine QSOP	5/4/2024	5/5/2024
Massachusetts QSOP	5/4/2024	5/5/2024
Montana QSOP	5/4/2024	5/5/2024
Nevada QSOP	5/4/2024	5/5/2024
New Hampshire QSOP	5/4/2024	5/5/2024
Oregon QSOP	5/4/2024	5/5/2024
Rhode Island QSOP	5/4/2024	5/5/2024
Utah QSOP	5/4/2024	5/5/2024
Vermont QSOP	5/4/2024	5/5/2024
Washington QSOP	5/4/2024	5/5/2024
Wyoming QSOP	5/4/2024	5/5/2024
SWODXA DXDINNER	5/17/2024	
SWODXA DXForum	5/18/2024	
Arkansas QSOP	5/18/2024	5/19/2024
CQ WW WPX Contest, CW	5/25/2024	5/26/2024

**Upcoming Ham Fests:** (from the OSJ)

<p>05/05/2024 - <a href="#">Lucas County ARES Trunk Sale &amp; Swap Meet</a>  <b>Location:</b> Toledo, OH  <b>Sponsor:</b> Lucas County ARES  <b>Website:</b> <a href="http://lucasares.org">http://lucasares.org</a>  <a href="#">Learn More</a></p>	<p>05/11/2024 - 05/16/2024  <a href="#">RV Radio Network</a>  <b>Location:</b> Millersburg, OH  <b>Type:</b> ARRL Hamfest  <b>Sponsor:</b> Rv Radio Network  <a href="#">Learn More</a></p>
<p>05/16/2024 - 05/19/2024  <a href="#">Four Days In May</a>  <b>Location:</b> Fairborn, OH  <b>Type:</b> ARRL Convention</p>	<p>05/17/2024 - 05/19/2024  <a href="#">Dayton Hamvention, ARRL National Convention</a>  <b>Location:</b> Xenia, OH</p>

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<p><b>Sponsor:</b> QRP Amateur Radio Club International <b>Website:</b> <a href="http://qrparci.org/fdim">http://qrparci.org/fdim</a> <b>Learn More</b></p>	<p><b>Type:</b> ARRL Convention <b>Sponsor:</b> Dayton Amateur Radio Association <b>Website:</b> <a href="https://hamvention.org">https://hamvention.org</a> <b>Learn More</b></p>
<p><b>06/01/2024 - <a href="#">FCARC Summer Hamfest</a></b> <b>Location:</b> Wauseon, OH <b>Type:</b> ARRL Hamfest <b>Sponsor:</b> Fulton County Amateur Radio Club <b>Website:</b> <a href="https://k8bxq.org/hamfest">https://k8bxq.org/hamfest</a> <b>Learn More</b></p>	<p><b>07/06/2024 - <a href="#">Mansfield Mid Summer Trunkfest</a></b> <b>Location:</b> Mansfield, OH <b>Type:</b> ARRL Hamfest <b>Sponsor:</b> Intercity Amateur Radio Club <b>Website:</b> <a href="http://W8WE.ORG">http://W8WE.ORG</a> <b>Learn More</b></p>
<p><b>07/20/2024 - <a href="#">Ashtabula County Hamfest 2024</a></b> <b>Location:</b> Pierpont, OH <b>Type:</b> ARRL Hamfest <b>Sponsor:</b> Amigos Radio Club Ashtabula <b>Website:</b> <a href="https://sites.google.com/view/arca-home/">https://sites.google.com/view/arca-home/</a> <b>Learn More</b></p>	<p><b>07/21/2024 - <a href="#">Van Wert Hamfest</a></b> <b>Location:</b> Van Wert, OH <b>Type:</b> ARRL Hamfest <b>Sponsor:</b> Van Wert Amateur Radio Club <b>Website:</b> <a href="http://w8fy.org">http://w8fy.org</a> <b>Learn More</b></p>

### ARRL News:

04/26/2024 | [MFJ Ceasing On-Site Production](#)



MFJ founder Martin F. Jue, K5FLU, announced that as of May 17, 2024, the company will cease on-site production at their Starkville, Mississippi, facility. Ameritron, Hy-Gain, Cushcraft, Mirage, and Vectronics brand products will be affected [Read More](#)

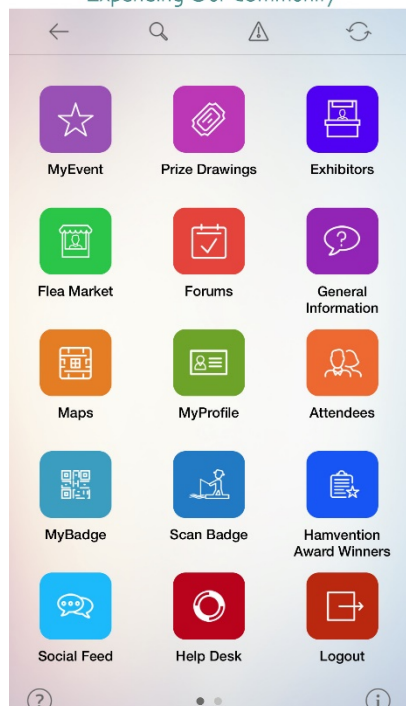
04/26/2024 | [The K7RA Solar Update](#)



A coronal hole wind stream has moderately enhanced the solar wind speed and been associated with several hours' worth of southward IMF parameter Bz. [Read More](#)

## 2024 ARRL National Convention at Dayton Hamvention -- Program and App Available

The 2024 ARRL National Convention, hosted by Dayton Hamvention®, is just a month away, and the convention program guide is now available at [www.arrl.org/expo](http://www.arrl.org/expo). The ARRL Events app is also ready to use, encouraging everyone planning to attend to preview all of the Hamvention exhibits, forums, and related activities. Download the free [ARRL Events](#) app, or access the content from an internet [browser](#). The app is offered in partnership with



Hamvention, and it contains Hamvention's full program and live updates, so attendees can browse and schedule forums, find affiliated events, and preview the extensive list of exhibitors. During the event, attendees can use many of the app's other features to follow the hourly prize drawings organized by the Dayton Hamvention Prize Committee and browse building and site maps.



The MyProfile icon in the app allows users to add their name, call sign, email address, and any additional information they would like to share with other Hamvention attendees. Additionally, the MyBadge icon displays a QR code of your event badge that can be scanned by another attendee or exhibitor using the Scan Badge icon to instantly share contact information with other hams at the event. The app is available for Apple and Android smart devices. You can also access the web browser version, which is optimized for nearly any browser or mobile device.

Use the app to preview many of the informative presentations planned by Hamvention and ARRL that cover a variety of topics and interests to help grow your skills as a radio amateur -- no matter where you are in your journey.

Young hams and young newcomers to amateur radio are reminded to register for the 2024 ARRL Youth Rally, which will be held on Saturday during the convention. While Hamvention offers free tickets for youths aged 12 through high school, advance registration for the Youth Rally (\$20) includes a tee shirt to wear on Saturday, a badge, a lanyard, and a reusable tote bag. [Register](#) for

the Youth Rally now (11 to 21 years of age).

Hamvention and the 2024 ARRL National Convention is May 17 - 19 at the Greene County Fairgrounds and Expo Center, in Xenia, Ohio. In the lead-up to the convention, the venue has finished making improvements to the flea market area. The walking paths have been topped with gravel and rolled to make the paths smooth and safe.

Complete information about this year's event can be found on the [Hamvention](#) website, [Facebook](#) page, and at [www.arrl.org/expo](http://www.arrl.org/expo).

## Armed Forces Day Crossband Test May 11, 2024

The US Department of Defense will host this year's Armed Forces Day (AFD) Crossband Test on May 11, 2024. For more than 50 years, military and amateur stations have taken part in this event, which is an interoperability exercise between hobbyist and government radio stations. The event is open to all licensed amateur radio operators and will not impact any public or private communications. The AFD Crossband Test is a unique opportunity to test two-way communications between military communicators and radio stations in the Amateur Radio Service (ARS), as authorized in 47 CFR 97.111.

These tests provide opportunities and challenges for radio operators to demonstrate individual technical skills in a tightly controlled exercise scenario. Military stations will transmit on selected military frequencies and announce the specific ARS frequencies monitored. All scheduled times will be in Zulu (Z), and all scheduled frequencies will be upper sideband (USB) unless otherwise noted.

Information on frequencies, times, and other technical information can be found at [DoD MARS - Armed Forces Day](#). Information for QSL cards and contact information is available at [Armed Forces Day QSL request form](#).



AFD is classified as an observance -- not a federal holiday. It will be celebrated on Saturday, May 18, 2024, and it will be a time of honor. The establishment of AFD was first announced on August 31, 1949, by then US Secretary of Defense Louis Johnson. It was meant to replace the separate Army, Navy, and Air Force Days. All branches were combined to create the US Department of Defense. The first Armed Forces Day was held on May 20, 1950. The day is celebrated with special events, tributes, observances, and parades.

## Ham Radio Trivia Quiz (Answers on page 22)

If you qualify for DXCC (DX Century Club), you would automatically also qualify for WAZ (Worked All Zones).

A: True

B: False

Vacuum tubes are also known as \_\_\_\_\_ in the UK

A: Hissers

B: bulbs

C: valves

D: Thyratrons

In 1936, Pittsburgh, PA was in which call district?

A: 3

B: 8

C: 2

D: 4

The current carrying capacity of a #12 wire is much less at 30 MHz than at 60 cycles. The reason is:

A: The Faraday Effect

B: The Skin Effect

C: Ohms Law

D: The inverse square law

What letter did Samuel Morse find that type setters used most while doing research to develop his code?

A: A

B: E

C: I

D: O



## 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, June 1<sup>st</sup>  
Saturday, August 3<sup>rd</sup>      Saturday, October 5<sup>th</sup>  
Saturday, December 7<sup>th</sup>

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](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](mailto: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](http://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

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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 May 21<sup>st</sup>.** 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**

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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)

### **Friday**

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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

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](mailto: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](mailto: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



# May 2024

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			1 Club Meeting 7:30pm	2 2 Mtr. Net 7:00pm	3	4
5 Drop Run	6 ARES Net. 7:30pm	7	8 Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	9 2 Mtr. Net 7:00pm  Ascension Thursday	10	11
12  Mother's Day	13 ARES Net 7:30pm	14	15 10 Mtr. Net 8:30pm	16 2 Mtr. Net 7:00pm	17	18
19  Pentecost	20 ARES Net 7:30pm  Whit Monday	21 3 <sup>RD</sup> Tuesday Breakfast	22 10 Mtr. Net 8:30pm	23 2 Mtr. Net 7:00pm	24	25
26  Trinity Sunday	27 ARES Net. 7:30pm  Memorial Day	28	29 10 Mtr. Net 8:30pm	30 2 Mtr. Net 7:00pm  Corpus Cristi	31	

## QRZ Ham Radio Trivia Quiz Answers

If you qualify for DXCC (DX Century Club), you would automatically also qualify for WAZ (Worked All Zones).

A: True

B: **False (Correct)**

Vacuum tubes are also known as \_\_\_\_\_ in the UK

A: Hissers

B: bulbs

C: **valves (Correct)**

D: Thyratrons

In 1936, Pittsburgh, PA was in which call district?

A: 3

B: **8 (Correct)**

C: 2

D: 4

The current carrying capacity of a #12 wire is much less at 30 MHz than at 60 cycles. The reason is:

A: The Faraday Effect

B: **The Skin Effect (Correct)**

C: Ohms Law

D: The inverse square law

What letter did Samuel Morse find that type setters used most while doing research to develop his code?

A: A

B: **E (Correct)**

C: I

D: O

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### Amateurs Code

By Paul M. Segal, W9EEA (1928)

#### The Radio Amateur is:

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

**LOYAL**..... Offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

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

**FRIENDLY**..... With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

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

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

LCARA was organized for the purpose of furthering Amateur Radio by increasing the technical knowledge and operating proficiency of radio amateurs through continuing education, public service and acting as a vehicle of communication by, between and with the members of the association. LCARA is an incorporated association chartered under the laws of the State of Ohio and is an exempt organization under section 501(c)(3) of the Internal Revenue Code. Contributions to LCARA are 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 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.*