



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 Meeting Is
April 3rd
@ 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 April 3rd 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.

At our March meeting, Scott Yonally (N8SY) presented the first of its kind "Special Recognition Award", from the ARRL Ohio Section, to Jim Pyle (AA8OY) in honor of his having earned the ARRL DXCC's #1 Top of Honor Roll Award. Jim has worked hard and devoted countless hours in pursuing this award, and is one of only a few to achieve this level of success. Congratulations Jim! Well Done Sir!

April begins our public service season and will be busy with a run on the 7th, the Eclipse on the 8th and NVIS Day on the 27th. Find a full list of events and sign-up forms on our website.

As a friendly reminder, please submit your LCARA membership dues. Forms are available 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.

Happy Easter everyone!

Stay safe and be well.

'73

-Ed

Membership Meeting Minutes

Membership Meeting Minutes for 3/06/2024

Board Members Present:

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

Attendees:

| | |
|---------------|--------------|
| Ed KB8BKE | Tom KE8HJL |
| Ron NU8N | Bill N8IJG |
| Joe N8JKO | Jim AA8OY |
| Bob W2THU | Don WA8TWM |
| Larry WB8PHI | Cal W8BZP |
| Bill N8WCL | Scot N8SY |
| Mike WB8ZGH | Bill N8IJG |
| Paul KE8PP | Marty KE8QWI |
| Neal NFIX | Greg KE8WZT |
| Bob K8QXO | Bob N8KBX |
| Evan W8LSQ | Rick KF8AIX |
| Dave KE8WOC | Bob K8BL |
| Melody KB8QIB | Greg KE8VFF |
| Steve | |

President: Ed KB8BKE

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

Member At Large: Joe (N8IKO)

- Upcoming speakers – a work in progress

New Business:

- Joe N8JKO – did a presentation on NVIS – Planning on short range communications around 400 miles
- Scott – N8SY – Presented Jim AA8OY – with the First Great Lakes Division special award for achieving the DX CC #1 Honor Roll.
- The ICS300, ICS400 and weather and flooding classes are being provided at the Lake County EOC. Register at the Ohio Training Campus
- There are Eclipse glasses available at the Mentor Library.

Radio / Repeaters: Bill N8IJG:

- The repeaters are working well. They have been registered for 2024 with the OARC

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- The discussion is that we may take the repeaters out of guard for the Eclipse.

Secretary Report: Tom (KE8HJL)

- The 50/50 is up to \$50 and Scott donated 2 books to be included in the raffle. We have 49 members paid so far this year.

Treasurer Report: ED (KB8KBE):

- We submitted the year end disclosure to the state. We submitted the 1099 to the IRS.

Sunshine: Bob K8QXO

- Cal's wife is going in for surgery and his is undergoing 6 weeks of chemo.
- His son Brian has had surgery also earlier this year.

DX Report: Jim (AA80Y)

- See Jim's DX Report

Public Service: Mike (WB8ZGH)

- The Eclipse is April 8th. We have 10 people who have volunteered to work various locations on that date. Volunteers will need to be self-sustained for approximately 12 hours due to the expected crowds..
- Geauga, Ashtabula, and Cuyahoga EOC's will also be staffed and their ARES groups activated.
- NVIS day April 27th at Garfield Home
- Drop Run May 5th

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)

- Nothing to Report

ARES: Joseph (N8JKO).

- N/A

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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 - Paul

Book 1 - Jim P.

Book 2 - Neal

Meeting adjourned at: 8:03 p.m.

Tom (KE8HJL)



Sunshine Report

by: Bob Mekinda K8QXO

Tom Donelan (KD8SJG) has reported that his partner and companion Carla, passed away unexpectedly in her sleep, earlier this past week. They had just returned from a trip attending a funeral for Carla's brother.

Please keep Tom in your thoughts

Backscatter for April 2024

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

135 Years Ago: Charles M. Hall, born in Thompson Ohio, patented an inexpensive electrolytic process to extract aluminum from its ore. Although aluminum is the most abundant metal in the earth's crust, it is not found naturally in pure form, and thus it must be separated from its surrounding ore.

68 Years Ago: A radio made to run on solar-cell power or batteries or was first sold in the U.S. Made by the Admiral Corporation, the Sun Power Pak used six transistors instead of vacuum tubes, and needed so little electricity that with six ordinary C flashlight batteries it could give 700 to 1,000 hours of use. The \$60 radio was small (about 3 x 9 x 10 in.) and weighed only 5.25 pounds. Also required was the \$185 auxiliary Sun Power Pak which provided solar power using a silicon "solar cell element."

51 Years Ago: The first portable phone call was placed by inventor Martin Cooper. The phone was 10 inches in height, 3 inches deep, an inch-and-a-half wide and weighed nearly two pounds. Since then, cell phones have shrunk somewhat, with 8.6 billion phones now used by 8.0 billion people around the world. Cooper's first "shoebox" phone replaced a car phone of the time that weighed more than 30 pounds and cost thousands of dollars.

45 Years Ago: The LCARA repeater, WA8HAR/R, has a new home. After a number of trips up eleven flights of stairs, the repeater resides in the penthouse suite of Lake East Hospital. Although the elevation is actually 22 feet lower than previously, coverage seems dramatically improved, especially to the east. Unfortunately, strong winds almost immediately "adjusted" the mast by 22 degrees. It is quickly being replaced with a nearly solid rod.

The April program is a demonstration of "home type computers" with a TRS-80 and an Apple 2 showing their stuff.

40 Years Ago: The repeater joins the computer age. The club's program is a demonstration of the Advanced Computer Controller model RC 850. It must have gone well, as eight days later the club's check is in the mail, awaiting delivery in an estimated four to six weeks.

The FCC announces the assignment of the first five VEC's. No longer will it be necessary to wait for the FCC to make their quarterly visit to Cleveland. Surprisingly, the ARRL is not amongst these first five, as there is no provision for reimbursement of out-of-pocket costs.

35 Years Ago: The biggest solar flare in five years hits the earth. "It was like someone cut the coax to my antenna", one LCARA member was quoted. The 43,000 mile wide sunspot "is one of the most impressive I've seen in my lifetime" said Patrick McIntosh, project leader for solar physic research at NOAA's Space Environment Lab. Effects are expected to last two weeks, the time it takes the sunspot to rotate across the face of the sun. Increasing numbers of sunspots and flares over the past two months point toward the most intense peak of any 11 year solar cycle since records began in 1850.

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30 Years Ago: The upcoming KP5 Desecheo Dxpediton has been cancelled, due to the island being overrun by wild Haitians (an interesting concept). The Coast Guard is mobilized to remove the threat.

Walvis Bay ZS9 and Penguin Island ZS0 become history. Effective on March 1st, both become part of Namibia V5, rather than qualifying as individual countries due to separation from South Africa. A pair of last-minute Dxpeditons allows hams one last chance to log a new one or two before they disappear.

25 Years Ago: Amongst the top ten reasons to work at the LCARA Hamfest:

8. Free Parking
6. Madison is fun in the Spring!
5. You'll be working with Roxanne!!
3. Cafeteria food!!!
1. An opportunity to help with LCARA's top money making event!!!!

20 Years Ago: Due to installation of a new electrical panel at the Mentor Ice Arena, the May club meeting is held at Mentor Beach Park on Andrews Road in M-O-L.

15 Years Ago: Postal rates for first class letters go to 44 cents effective May 11th.

Commercial and governmental short wave broadcasters vacate 7100 – 7200 kHz as of March 29. No more carrier whistles, nor incredibly wide quarter million watt dual sidebands.

10 Years Ago: Bill, KD8HSI discovers that inexpensive LED lights can cause RFI, especially on 2 meters.

5 Years Ago: Beginning in April, club meetings move to the Lake County Historical Society, and will stay there through October.

Joe, N8JKO gives the April LCARA presentation on "How to Survive Hamcation".

DX Alert

by: *Jim Pyle AA8OY*



April 2024 DX Alert

Saint Martin – PJ7 - Ken, KJ9B will be active from March 30 to April 6. He'll be operating as PJ7/KJ9B, mostly on FT modes

Mariana -Islands - KH0 - JA6VQA, as WH0B, along with JA6REX and JH6HZH will be QRV from April 25 to 30, using mainly FT8 and FT4 with some CW and SSB, on 160 to 6 meters. Listen for them as WH0B, KH0/JA6REX and KH0/W6HZH, respectively.

Malawi – 7Q - 7Q6M (K6ZO), Don, says that he will be on 6M every day until May.

Moldova – ER - The special event call sign ER3ØARM celebrates the 30th anniversary of the Amateur Radio Society of Moldova March 20-April 30.

Austral Islands – FO/A - JA1XGI, Haru, is heading to Raivavae where he will be QRV as TX5XG March 27-April 3. He will be on CW and the IO-117 Greencube satellite.

Benin – TY - The full TY5C team is now in Benin, and is QRV on SSB.

Vanuatu – YJ - VK3HJ, VK6CQ, KØBBC, and VK3QB will be on 40-6M as YJØVK March 29-April 11. The first week they plan to focus on CW and SSB, "with FT8 as a 'back-fill' mode." The second week they will focus on CW and FT8.

Juan Fernandez Island – CE0 - Felipe, CE3SX is QRV as CB0ZIX until April 4. Activity is mainly on 6 meters, but also on the HF bands using SSB and FT8 in DXpedition mode

Kyrgyztan – EX - Bob, DU7ET is currently QRV as EX0ET. Activity is on 40 to 10 meters, and possibly 160 meters, using mostly CW. Happy hunting!

Guadeloupe – FG - Jean-Luc, F1ULQ and Bert, FG8OJ will be QRV as TO1Q from March 25 to April 8. Activity is on the HF bands and 6 meters using SSB and various digital modes.

Happy hunting!

Jim, AA8OY

Thanks to ARRL DX and Weekly DX

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Scott (N8SY) presents the first “Special Recognition Award”, from the ARRL Ohio Section, to Jim Pyle (AA8OY) in honor of his earning the ARRL DXCC’s #1 Top of Honor Roll Award. Congratulations Jim ! Well Done !



Upcoming Contests: (from the OSJ)

| Contest | Start Date | End Date |
|-------------------------------------|-------------------|-----------------|
| CQ WW WPX Contest, SSB | 3/30/2024 | 3/31/2024 |
| SP DX Contest | 4/6/2024 | 4/7/2024 |
| Louisiana QSOP | 4/6/2024 | 4/7/2024 |
| Missouri QSOP | 4/6/2024 | 4/7/2024 |
| Georgia QSOP | 4/13/2024 | 4/14/2024 |
| New Mexico QSOP | 4/13/2024 | 4/14/2024 |
| Holyland DX Contest | 4/19/2024 | 4/20/2024 |
| Michigan QSOP | 4/20/2024 | 4/21/2024 |
| Ontario QSOP | 4/20/2024 | 4/21/2024 |
| SP DX RTTY | 4/27/2024 | 4/28/2024 |
| 10-10 Intl. Spring Contest, Digital | 4/27/2024 | 4/28/2024 |
| Florida QSOP | 4/27/2024 | 4/28/2024 |
| 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,

5/25/2024

5/26/2024

Upcoming Ham Fests: (from the OSJ)

Ohio Hamfests

2024

04/13/2024 - Cuyahoga Falls Amateur Radio Club 68th Hamfest

Location: Cuyahoga Falls, OH

Type: ARRL Hamfest

Sponsor: Cuyahoga Falls Amateur Radio Club, Inc.

Website: <http://www.w8vpv.org/hamfest>

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

04/27/2024 - Tusco Amateur Radio Club Hamfest, Electronics, and Computer Show

Location: Dover, OH

Type: ARRL Hamfest

Sponsor: Tusco Amateur Radio Club W8ZX

Website: <http://www.w8zx.net/hamfest>

Learn More

04/28/2024 - Athens Hamfest

Location: Athens, OH

Sponsor: Athens County Amateur Radio Association

Website: <https://www.ac-ara.org/>

Learn More

05/05/2024 - Lucas County ARES Trunk Sale & Swap Meet

Location: Toledo, OH

Sponsor: Lucas County ARES

Website: <http://lucasares.org>

Learn More

05/11/2024 - 05/16/2024

RV Radio Network

Location: Millersburg, OH

Type: ARRL Hamfest

Sponsor: Rv Radio Network

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

05/17/2024 - 05/19/2024

Dayton Hamvention, ARRL National Convention

Location: Xenia, OH

Type: ARRL Convention

Sponsor: Dayton Amateur Radio Association

Website: <https://hamvention.org>

Learn More

ARRL News:

ARLB007 FCC to Require Two Factor Authentication for CORES Users

The Federal Communications Commission (FCC) has announced an upcoming change to the Commission Registration System (CORES) that licensees use to pay any application or regulatory fees, manage or reset a password on an existing FRN, or request a new FRN. Beginning March 29, 2024, multifactor authentication will be implemented. Users will be prompted to request a six-digit secondary verification code, which will be sent to the email address(s) associated with each username. The user will then need to enter the code into CORES before they can continue.

In a public notice, the FCC said this change will make the system more secure. "This additional layer of security will further safeguard against unauthorized access, thereby enhancing the overall integrity of information contained within the CORES system and improving the security of user data," it read.

The Public Notice can be found in PDF format at, <https://docs.fcc.gov/public/attachments/DA-24-219A1.pdf> .

The FCC recommends that users confirm they have access to their username account email and to add a secondary email address, if need be. Resources are available for those who need assistance with the system. For inquiries or assistance regarding the implementation of multifactor authentication on CORES, submit a help request at: <https://www.fcc.gov/wtbhelp>, or call the FCC at 877-480-3201 (Monday through Friday, 8 AM to 6 PM ET).

[International Marconi Day 2024](#)



This year, International Marconi Day (IMD) is on April 27 [Read More](#)

[The K7RA Solar Update](#)



Over March 14-20, new sunspot groups emerged every day except March 19. March 18 had two, and each of the other days saw one new sunspot group. [Read More](#)

[Amateur Radio Stands Ready to Support Eclipse Operations](#)



The upcoming April 8, 2024, solar eclipse has many excited about the opportunity to witness the darkness of totality. [Read More](#)

Other News

ARES Ohio District 10 Winlink Monday

As discussed at the ARES Dist.10 conference held in February, we are bringing the Monday Winlink "net" back. Here is how it will work.

- 1) Hams are encouraged to send a Winlink message to ab8m@winlink.org. The message should be sent using an ICS-213 form. Submissions are welcome on Monday's until 23:59 ET. In the body of the message the originator should indicate how they are submitting the message - telnet, VHF, or HF.
- 2) On Tuesdays, AB8M will download the messages and respond to each one with an ICS-213 reply. AB8M will also generate a communications log for KC8NZJ outlining the week's activities. (Note that this step will be delayed the first week of March due to schedule conflicts)
- 3) Each participating station will receive 1 entry towards a 2024 ARRL Handbook for a telnet submission and 2 entries for a VHF or HF submission.
- 4) Entries will count towards the prize between the dates of Monday, March 4th and Monday, May 6th. A raffle will be held by the ARES D10 leadership after that date and an AB8M will donate an ARRL handbook and ship it to the address of the winner.

-doug
AB8M

Ham Radio Trivia Quiz (Answers on page 24)

When were 1x3 'K' prefix callsigns first issued in the continental US?

- A: 1951
- B: 1953
- C: 1958
- D: 1960

Prior to using the RST system, how was Tone described?

- A: A Thru Z
- B: 1 To 5
- C: Fair Or Good
- D: PDC Or RAC

What do the letters CW stand for?

- A: Communication Wave
- B: Constant Wave
- C: Compressed Wave
- D: Continuous Wave

Why is the AM mode the only mode used in all aviation transmissions?

- A: It's been a tradition since the early years in aviation.
- B: AM gear is lighter for use in airplanes.
- C: SSB gear didn't exist when airplanes started with transceivers.
- D: Any other mode would block the weaker signals.



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, 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.

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 **April 16th**. 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)

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Tuesday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

19:15 – Ohio HF Emergency Preparedness Net - 3.910 MHz (+/-) or 7.240 (+/-)

19:30 – Swap-N-Shop – 147.015 (pl 110.9)

19:45 – Ohio Digital Emergency Net - 3.584.5 (USB) - 1500 Hz data carrier offset – Olivia 8-500

21:00 – Tri-County Traffic Training Net – 147.015 (pl 110.9)

Wednesday

09:00 – Trivia Net – 146.940 (pl 110.9)

10:30 – 16:45 – 18:45 – OSSB Net – 3.9725

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

20:00 – Quarter Century Wireless Association Net – 147.015 (pl 110.9)

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 >

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



April 2024

| Sun. | Mon. | Tue. | Wed. | Thu. | Fri. | Sat. |
|-----------------------------------|---|--|---|----------------------------|------|-----------------------|
| | 1 ARES Net. 7:30pm | 2 | 3 Club Meeting 7:30pm | 4 2 Mtr. Net 7:00pm | 5 | 6 VE Testing |
| 7 Spring Thaw 10 Miler & 5K | 8 Solar Eclipse | 9 | 10 Board Mtg. 7:30pm 10 Mtr. Net 8:30pm | 11 2 Mtr. Net 7:00pm | 12 | 13 |
| 14 | 15 ARES Net 7:30pm Tax Day | 16 3 RD Tuesday Breakfast | 17 10 Mtr. Net 8:30pm | 18 2 Mtr. Net 7:00pm | 19 | 20 |
| 21 | 22 ARES Net 7:30pm | 23 | 24 10 Mtr. Net 8:30pm | 25 2 Mtr. Net 7:00pm | 26 | 27 NVIS @ Garfield |
| 28 | 29 ARES Net. 7:30pm | 30 | | | | |
| | | | | | | |

QRZ Ham Radio Trivia Quiz Answers

When were 1x3 'K' prefix call signs first issued in the continental US?

- A: 1951
- B: **1953 (Correct)**
- C: 1958
- D: 1960

Prior to using the RST system, how was Tone described?

- A: A Thru Z
- B: 1 To 5
- C: Fair Or Good
- D: **PDC Or RAC (Correct)**

What do the letters CW stand for?

- A: Communication Wave
- B: Constant Wave
- C: Compressed Wave
- D: **Continuous Wave (Correct)**

Why is the AM mode the only mode used in all aviation transmissions?

- A: It's been a tradition since the early years in aviation.
- B: AM gear is lighter for use in airplanes.
- C: SSB gear didn't exist when airplanes started with transceivers.
- D: **Any other mode would block the weaker signals. (Correct)**

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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

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Proudly serving Lake County & NE Ohio since 1978

To contact us, send an e-mail to: <https://www.lcara.org/contact-us/>

Voice Repeaters N8BC

*147.210 +.600 MHz -PL tone of 110.9 Hz
Echo link N9JG/R Node #665499
224.500 - 1.6MHz -PL tone of 141.3 Hz.
444.650 + 5.0MHz -PL tone of 131.8 Hz.*