



The LCARA Patch



10 METER ROUNDTABLE
WEDNESDAY @ 20:30 HRS
28.450 MHz

www.lcara.org
<https://groups.io/g/lcarapatch>
<https://www.facebook.com/groups/LCARAofOhio/>

LCARA TWO METER NET
THURSDAY @ 19:00 HRS
147.210/R - PL 110.9



LCARA Board

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

Patch Staff

Editor: KB8BKE
DX: AA8OY
History: KO8O
Sunshine: Vacant

Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
Contest	Bob Liddy	K8BL
DX	Jim Pyle	AA8OY
Field Day Chair	Jim Pyle	AA8OY
History	Scott Farnham	KO8O
LCHS Liaison	Bob Mekinda	K8QXO
N8BC Trustee	Bob Liddy	K8BL
Planning	Tim WA8ZWO, Nate W1OLE	
Program Director	Joe Koskovics	N8JKO
Publicity	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Open	

***Our next club Meeting: May 3rd, 2023
On Zoom and in person at UH Tri-point Physician's Pavilion***

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Message from the President

Greetings fellow travelers,

Greetings fellow travelers,

Our next meeting is May 3rd, at UH Tripoint and will also be available online. As of press time we have no speaker planned. Our public service continues with the Drop Run on May 7th. This 10 mile and 5K run starts in Chardon and traverses bike paths and surface streets, ending in Jordan Creek Park. It's another opportunity for our comm. team to test their capabilities. There are other events that we need volunteer operators for listed on our website under the "Events" tab. Also, be sure to let us know if you are planning to operate on Field Day. (And don't forget to register for the picnic!)

A news item of interest to those who are ARRL members has been posted in this issue. The ARRL is seeking member comments concerning a proposed increase in membership fees. The article includes links to view reasons for proposed change and information on when, where and how to submit any thoughts you may care to express on the subject.

Remember Mom on the 14th, and hope everyone has a great Memorial Day weekend!

Stay well and be safe.

'73

-Ed

Membership Meeting Minutes

Membership Meeting Minutes for 4.5.2023

Board Members Present:

KB8BKE – Ed Kopcak, President / Treasurer
KE8HJL – Tom Revolinsky, Vice President / Secretary
N8JKO – Joe Koscovics, Director-at-Large

Attendees:

Ed KB8BKE	Tom KE8HJL
Joe N8JKO	Larry WB8PHI
Tim WA8ZWO	Tom KD8SJG
Boaz	Cal W8BZP
Bob K8BL	Bob K8QXO
Jim AA80Y	Bill N8WCL
Don WA8TWM	Scot N8SY
Ron NU8N	Nathaniel W1OLE
Bob N8KBX	

Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:30 p.m.
- This meeting took place virtually on Zoom due to the inclement weather

President – Ed (KB8BKE) mentioned:

- The motion to accept the minutes for the last meeting was accepted. Joe and Bob

Speaker: None

Member At Large: Joe (N8IKO)

- Nothing new to report
- The Picnic is Aug 12 at Chagrin River Park in Willoughby
- We are looking for speakers, any suggestions are appreciated.
- Any requests for presentations.
 - Bob K8BL mentioned Bull Dog Battery
 - Tom KE8HJL – mentioned Lake Health Project Dawn – Opioid Crisis and Narcan Training presentation possibly May, July or Sept.

New Business:

- We are working on continuing the meetings at Tri Point instead of the History Center. More Infor to follow.
- No new information from the Hamfest Committee.

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- We waiting on a proposal to update the Antenna at Lake West to determine feasibility to improve the repeater there.
- Sunday in June (June 11th – Burton) we will set up the trailer. We will need to register to be covered by the insurance.
- Scot N8SY is willing do a presentation for the club and the AARL has a speaker's bureau
- The new Distracted Driving law ham radio exception is in effect when using ham radio

Radio: Bill (N8IJG)

- Nothing reported

Secretary Report: Tom (KE8HJL)

- 50 total members paid so far this year. 4 new members this year so far !!!!!

Treasurer Report: ED (KB8KBE):

- Treasury is in good shape

Sunshine:

- N/A

DX Report: Jim (AA80Y)

- See the Patch

Public Service: Mike (WB8ZGH)

- April 18th World Amateur Radio Day
- April 22nd NVIS – Garfield Home
- May 7th Drop Run
- May 13th RV Hams in Berlin, Ohio
- June 11th – Sunday in June
- Field Day – June 24 & 25'

Historical Society: Bob (K8QXO)

- Bob is looking to add a ceiling fan to the radio room with lights

ARRL Liaison: Bob (W2THU):

- April 18th World Amateur Radio Day
- If you join the ARRL, or renew your ARRL membership thru LCARA, our Club will receive a comission of \$5 for renewals and \$15 for new members, from the ARRL. For every five new members signed through the "Club Commission Program", through to the end of 2023, ARRL will give the club a copy of *The ARRL Handbook*.

VE Testing: Don (WA8TWM)

A V.E. testing session was held April 1st. The next one is on June 3rd.

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Ohio Legislative Liaison: Bob (W2THU)

ARES: Joseph (N8JKO).

- Nothing to report

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 +/-

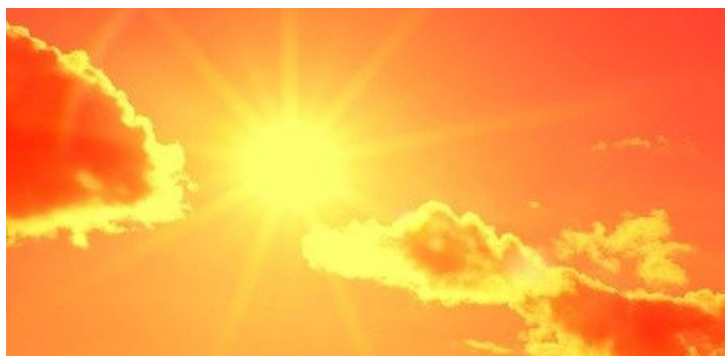
Thursday: 7:00 pm. – Lake Co. ARA 2 Meter Net – 147.210 (pl 110.9)

50/50 winner: No drawing held

Meeting adjourned at: 8:45 p.m.

Respectfully submitted by

Tom (KE8HJL)



Sunshine Report:

Nothing to report

Backscatter for February 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

149 Years Ago: Frank Conrad is born. Frank was an electrical engineer whose interest in radiotelephony led to the establishment of the first commercial radio station, KDKA. An amateur working for Westinghouse at its East Pittsburgh Works, he built a transmitting station on the second floor of the garage behind his home in Wilkinsburg, Pa. Substituting a phonograph for his microphone, he discovered a large audience of listeners who had built their own crystal radio sets and who, upon hearing the music, wrote or phoned requests for more music and news. When he became swamped with these requests, he coined the term "broadcast" and scheduled programs to satisfy his listeners. Don't try this today.

90 Years Ago: QRN? Karl Jansky, working for Bell Telephone Labs in Holmdel N.J announces the discovery of radio waves from the center of the Milky Way galaxy. The very low intensity signal, just below 15 meters, required sensitive apparatus for its detection. Its intensity varied regularly with the time of day and the season, and came from an unchanging direction in space, proving it was not of terrestrial origin.

45 Years Ago: LCARA's 1st newsletter is published, the May 1978 issue. Members vote to add an auto patch line to the new repeater, WD8DQW/RPT on .81/21

Oops. Frequency coordination of the new repeater with the Ohio Area Repeater Council hits a snag. It may have to change frequencies!

Hams listed in the first roster and still in LCARA 45 years later in 2023 are:

KB8OF, Jack Olpp

K8BL, Bob Liddy

WB8ZGH, Mike Goffos

It is proposed to move the regular monthly meeting to be held May 31st from the Painesville Perkins to the Lake County Federal Savings and Loan meeting room. "The room has a kitchen, carpeting, great atmosphere, and (perhaps best of all) costs us nothing."

40 Years Ago: The German DXpedition to the Spratley Islands is lost. After being fired upon as they approached the island, distress signals were heard from the 51' catamaran Siddhartha. Ships and planes are searching the area for wreckage.

Remember Tom Swifties? "Someone keeps kerchunking the machine", said Tom repeatedly.

35 Years Ago: Programs are introduced to the Lake County Hamfest. Videotape of the DXpedition to Navassa is shown (it's a small rock between Jamaica and Haiti). Jim Nestor, N8GJR, the computer columnist

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for the Plain Dealer hosts a SRO session on PC's in the shack. And on an ever-needed topic, Bob Winston, W2THU talks about hams and the law.

30 Years Ago: The FCC, having taken away 220-222 MHz, thinks about giving hams access to 219-220 MHz ...didn't happen.

25 Years Ago: LCARA votes to spend \$6000 to upgrade the remote inputs and links on .81/.21 with 900MHz microwave equipment.

Mark Kundrath, KB8FKM wins his tower battle with Fairport. Since the Village's zoning laws and ordinances had no sections or parts relating to communications towers of any type, the zoning board concluded they must not be permitted. After six months and \$1000 of legal and engineering fees, Mark finally prevails.

20 Years Ago: Newsletter Editor Grant, N0XIL adds an Event Calendar to The Patch.

LCARA secretary Dennis, AB8NI rants in The Patch on club apathy.

Hamfest Chairman Tom, KB8WFD, points out that both the Ashland Area Amateur Radio Club and the Canfield ham fests have been cancelled. Tom adds this "is not a good thing" and that "seldom when a ham fest is cancelled will it be revived."

15 Years Ago: No newsletter is published.

10 Years Ago: The Patch has grown to a record 36 pages.

Where? Jim, AA8OY gives information on an upcoming DX pedition to Lakshadweep Islands. Hints: It's name means "one hundred thousand islands" in Sanskrit, and it's prefix is VU7.

5 Years Ago: Larry Leasko, WB8PHI is declared "Ham of the Year."

Both Hams and Runners in the Lake Health Systems 10 & 20 Mile Drop function well despite rain and low to mid thirty degree temperatures.

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DX Alert

by: *Jim Pyle AA8OY*



DX Alert, May 2023

UGANDA, 5X. Pista (HA5AO) will be QRV as 5X2I from Busbala from April 24 to May 10. Activity will be on 40 to 6 meters using CW, some SSB, and FT8.

SPRATLY ISLANDS, 1S 4F2KWT, Gil, has just made final travel arrangements for his expedition to this rare one. He will be there April 30 to May 9, operating on 160-6M with 100 watts. He will be on Kalayaan Island. Gil says he will also have antennas for 6M. Look for him on 50313 and 50102.

OGASAWARA, JD1. Harry, JG7PSJ will be QRV as JD1BMH from Chichijima, IOTA AS031, until May 5. Activity will be on 40 to 10 meters using CW, SSB, and RTTY.

NIGER, 5U IU5HWS, Giorgio, is heading back to Niamey, Niger, where he will once again be QRV as 5UA99WS from May 1-15. He'll have an FT-991A and 400 watt amplifier. He will be on FT8 and SSB on 40 through 10 meters using a dipole.

RWANDA, 9X DF2WO, Harald, (9X2AW) will be there May 5-15, a new QTH for him, just west of Kigali, grid KI48xb.

ISLE OF MAN, GD MD/OZ2I, Hen, will be there May 9-12, "CW only."

Happy hunting!

Jim, AA8OY
Thanks to ARRL DX

Upcoming Contests: (from the OSJ/WA7BNM)

All Year	CQ DX Marathon	bit.ly/3FyPiui
Apr. 26	432 MHz Spring Sprint	http://bit.ly/3XM4RpW
Apr. 26	UKEICC 80m Contests CW	https://ukeicc.com/80m-rules.php
Apr. 27	RSGB 80m Club Championship, Data	https://bit.ly/3TxCrxl

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Apr. 29-30	10-10 Spring Digital Contest	http://bit.ly/1FrFeBc
Apr. 29-30	Florida QSO Party	www.floridaqsoparty.org
Apr. 29-30	Helvetia Contest	www.uska.ch
Apr. 29-30	UK/EI DX Contest, CW	www.ukeicc.com/dx-contest-rules.php
May 27-28	CQWW WPX CW Contest	www.cqwp.com

Check out the WA7BNM Contest Calendar page (<https://www.contestcalendar.com/>) and CQ Magazine for more contests or more details. I also have a comprehensive list that can be imported to your calendar at www.aj8b.com/files

Annual Armed Forces Day Crossband Test

The US Department of Defense (DoD) will host this year's Armed Forces Day (AFD) Crossband Test on May 13, 2023. This annual event is open to all licensed amateur radio operators and will not impact any public or private communications. For more than 50 years, military and amateur stations have taken part in this event.

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 frequencies and will announce the specific ARS frequencies monitored. All of the times are Zulu (Z), and all frequencies are Upper Side Band (USB) unless otherwise noted. The frequencies used for the test will not stray outside the confines of the exercise.

A complete list of frequencies, time periods, QSL cards, and other information can be found at:

[DoD MARS - Armed Forces Day.](#)

AFD is a time of honor. It will be celebrated on Saturday, May 20, 2023. The first AFD was celebrated with parades, open houses, receptions, and air shows. Today, many events and activities take place and may include multi-service military displays in areas open to the public, various educational activities that teach children about the armed forces, and large parades with local celebrations.

The longest running AFD parade in the United States is held in Chattanooga, Tennessee. Certain types of music will be played at AFD 2023 events to show respect to those in the armed forces who died for their country.



Upcoming Ham Fests: (from the OSJ)

05/07/2023 - [Lucas County Amateur Radio Emergency Service Trunk Sale and Swap Meet](#)

Location: Toledo, OH

Sponsor: Lucas County Amateur Radio Emergency Service

Website: <http://swap.lucasares.org>

[Learn More](#)

05/13/2023 - 05/17/2023 [RV Radio Network](#)

Location: Berlin, Ohio, OH

Type: ARRL Operating Specialty Convention

Sponsor: RV Radio Network

[Learn More](#)

Great Lakes Division Convention!!

05/19/2023 - 05/21/2023 [Dayton Hamvention](#)

Location: Xenia, OH

Sponsor: Dayton Amateur Radio Association

Website: <http://Hamvention.org>

[Learn More](#)

05/27/2023 - [Scioto Valley Amateur Radio Club Hamfest](#)

Location: Piketon, OH

Sponsor: Scioto Valley Amateur Radio Club

[Learn More](#)

06/03/2023 - [FCARC Summer Hamfest](#)

Location: Wauseon, OH

Sponsor: Fulton County Amateur Radio Club

Website: <https://k8bxq.org/hamfest>

[Learn More](#)

07/08/2023 - [Mansfield Trunkfest 2023](#)

Location: Mansfield, OH

Sponsor: Intercity Amateur Radio Club

Website: <http://iarc.club>

[Learn More](#)

07/15/2023 - [NOARSFEST](#)

Location: Elyria, OH

Sponsor: Northern Ohio Amateur Radio Society

[Learn More](#)

07/16/2023 - [Van Wert Hamfest](#)

Location: Van Wert, OH

Sponsor: Van Wert Amateur Radio Club

Website: <http://w8fy.org>

[Learn More](#)

07/22/2023 - [Ashtabula County Hamfest 2023](#)

Location: Pierpont, OH

Sponsor: Amigos Radio Club Ashtabula

Website: <https://sites.google.com/view/arca-home/>

[Learn More](#)

Ohio Section News:

Ohio Section Cabinet

Section Manager – Tom Sly, WB8LCD	Section Traffic Manager – David Maynard, WA3EZN
Section Emergency Coordinator – Bret Stemen KD8SCL	Section Youth Coordinator – Anthony Luscre, K8ZT
Technical Coordinator – Jeff Kopcak, K8JTK	Affiliated Clubs Coordinator – Amanda Farone – KC3GFU
State Government Liaison – Bob Winston, W2THU	Public Information Coordinator – Elizabeth Klinc - KE8FMJ

ARRL News:

April 20, 2023

[ARRL Member Bulletin Archive](#)
[ARRL Home Page](#)

Making a Big Decision -- Together

Dear member,

For only the second time in 22 years, we are considering a dues increase. Promoting and protecting amateur radio requires a strong and vibrant ARRL. Paying our dues (and some of you go above and beyond) is one way each of us does our part.

In my column in the April issue of *QST* ([read now](#)), I introduced the following question:

How does ARRL handle an increase in dues?

On May 1, we will launch an online survey, inviting all ARRL members to participate. The survey will include some short questions about raising dues and modifying the way some membership benefits are bundled. The survey will also include an opportunity to share your feedback. The participation of every member is important.

Do this before May 1: Review your ARRL website account

Before you can take the survey in May, you'll need to make sure you have a working ARRL website account that is associated with your membership.

Follow these steps:

1. Go to www.arrl.org/take-dues-survey. This is a member-only page.
2. If you are already logged in to your account, you'll see **CONGRATULATIONS!** on the members-only page that will host the survey in May.
3. If you are NOT already logged in to your account, follow the instructions on the page to log in. Or, select the Login button at the top of the web page, and you will be prompted to enter your ARRL website username (usually your call sign) and password. If you have not logged in since April 2022, please use these [Login Instructions](#).

4. **The survey will open on May 1.** Return to this web page to take the survey on, or after, May 1: www.arrl.org/take-dues-survey.

If you need additional help with your login, call us Monday - Thursday from 8 AM to 7 PM ET, and Friday from 8 AM to 5 PM ET at 860-594-0200 or email us at membership@arrrl.org.

We'll send an update on May 1 once the survey is live.

Thank you for being a member and collaborating on this big decision.

73

David A. Minster, NA2AA
Chief Executive Officer

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[Annual Armed Forces Day Crossband Test](#)



The US Department of Defense (DoD) will host this year's Armed Forces Day (AFD) Crossband Test on May 13, 2023. [Read More](#)

[The K7RA Solar Update](#)



Again this week sunspot numbers and solar flux were higher than the week before. [Read More](#)

[National Voice of America Museum of Broadcasting Open during 2023 Dayton Hamvention®](#)



The National Voice of America Museum of Broadcasting, in conjunction with the West Chester Amateur Radio Association, announced their expanded hours during the 2023 Dayton Hamvention®. [Read More](#)

[NASA Names Three Hams for Artemis II Moon Mission Crew](#)



NASA and the Canadian Space Agency (CSA) announced the four astronauts who will venture around the moon on Artemis II. Three of the four crew members are amateur radio operators. [Read More](#)

Ham Radio Trivia Quiz

Which band is known as... the "Top" band?

- A: 80M
- B: 160M
- C: 20M
- D: 40M

Which of the following apply as an antenna elements length to diameter ratio is increased?

- A: Radiation Resistance Increases & Bandwidth Increases
- B: Radiation Resistance Decreases & Bandwidth Increases
- C: Radiation Resistance Increases & Bandwidth Decreases
- D: Radiation Resistance Decreases & Bandwidth Decreases

A half wave dipole antenna for the 6 meter band will be approximately how long?

- A: 6 meters
- B: 4.5 meters
- C: 3 meters
- D: 19 inches

What is the generally accepted quantity of radials deemed necessary to form a perfect ground screen for ground mounted vertical antennas used on MF and HF frequencies?

- A: 25
- B: 50
- C: 62
- D: There is no "magic number"

Answers on page 23



HAM EXAMS in 2023 Held At KIRTLAND PUBLIC LIBRARY

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

Saturday, June 3
Saturday, August 5
Saturday, October 7 Saturday, December 2

This bi-monthly schedule is the first Saturday of every even-numbered month (e.g., February being the second month, etc.). They are held at the Kirtland Library, 9267 Chillicothe Road. It is 1.7 miles south of I-90 on Route 306 (Chillicothe Rd). The library is on the left, just beyond the Marathon gas station.

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

To register, you will need a NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, be sure it is the Sept 2017 version or later. You can find it by Googling “NCVEC quick-form 605” and clicking on the url for a pdf of the form. Please note **the FCC requires you to provide a FRN** (FCC Registration Number). Social Security Numbers are no longer accepted. If you are new to ham radio and don’t have a FRN, Google “New FRN” and follow the fcc.gov link.

If you are currently licensed, be sure to **bring a copy of your license to the exam**. The cost of the exam itself is \$15.00, and if you wish to pay by check, it should be made out to the ARRL/VEC. Identification with 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

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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

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 not much ... it can be simple and free (there's no FCC fee, which only applies to new licenses), or cost \$8, or be a real PITA. Here's what I found:

This applies to renewals, address changes, and any other modifications to your license information, as well as printing a duplicate license. 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 renewing or changing your license information:

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 as to whether it's a renewal/change/duplicate 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.
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 SYSTGEM" then click "FILE ONLINE" which takes you to the FCC License Manager page and follow the instructions. If you have been assigned a FRN this is easy. The considerable majority of existing amateurs have been assigned a FRN, and it is shown on your current license. Check your license using "License Search" at the "FCC ULS Home" page above.
5. 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. Note that many older licenses have had FRN's automatically assigned.

6. If you're not an ARRL member, hate the internet, and too cheap to pay \$8, you can fill out a paper copy of FCC Form 605 and send it directly to the FCC. Note this **FCC** Form 605 is entirely different from the **NCVEC** Form 605 mentioned in method 1 above. You can request this form from the FCC Forms Distribution Center at 1-800-418-3676, or download it at www.fcc.gov/fcc-form-605. This method is only recommended for masochists, as the **FCC** Form 605 is a typical government form, being both long and far from intuitively obvious.

Regardless of which method you choose, your renewed license will show up in the FCC's database shortly. If the US Postal Service is not involved, it may be as quickly as one or two days. The FCC no longer mails licenses, you will have to print it out from the FCC ULS site.

Scott
KO8O



3rd Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is May 16th, at the Perkins Family Restaurant, located at 700 Mentor Avenue in Painesville. Attendees begin to gather around 8:00am Breakfast orders being taken around 8:30am. This group averages 15-20 people from all around the area. Club membership is not a requirement to attend. Meet other Hams, talk over the news of the day and maybe find a buyer for your spare equipment. Bring your significant other, or a friend, to breakfast. Good food and conversation await.



LCARA Board Meeting

Board Meeting



The LCARA Board currently meets virtually. We will resume in person meetings as soon as it is deemed safe to do so.

Board meetings are usually held at the Tri-Point Medical Center - Physicians Pavilion, lower level in Rm.1002, every 2nd Wednesday.

To find Rm. 1002 using the pavilion entrance, simply continue down the hallway into the hospital and past the food court. You may also enter via the hospital main entrance and take the elevator to the ground floor. The room is located just to the right of the main elevators. **All members are welcome.**

Our Weekly Nets

Lake County ARES Net

The ARES Net is held **weekly on Mondays at 7:30 pm on 147.210/R (b/u 147.255/R)**. This directed net is open to all licensed amateur radio operators. You do not need to belong to ARES to participate. This net is provided for operators to verify the proper operation of their stations equipment and capabilities, should they be called upon in the event of an emergency. Volunteer to be Net Control or Alternate Net Control. Prior experience is not necessary. Training will be provided. Everyone is welcome.

2 Meter Net

The 2 Meter Net runs **weekly on Thursdays at 7:00 pm on 147.210/R**. This is an informal net. Participant discussions vary on a range of subjects for the good of the group. It's a great time to ask questions, especially for new operators. List your items related to ham radio that you want to sell or swap and mention any sunshine reports you have to share. We also present the latest weekly edition of the ARRL Audio News. We are always looking for alternate net control operators.

10 Meter Roundtable

The 10 meter Roundtable meets **weekly on Wednesdays at 8:30 pm on 28.450 MHz +/-**. This is an informal roundtable where the group chats about anything that comes to mind and rag chew about any topic or events of the day. You don't need to be a LCARA member, just have at least a Technician license and some 10 meter gear. It's an opportunity to re-connect with friends or make some new ones. Anyone can start it off so don't be shy.

Other Weekly Nets

Monday

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

20:00 – Geauga Emergency Amateur Radio Service Training Net – (check in on 146.940/R - then moves to 147.435/s)

Tuesday

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

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

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18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

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

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

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

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

Wednesday

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

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

Thursday

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

19:30 – Ohio ARES Dist.10 DMR Net – TG 31395

20:00 – Ashtabula Radio Club 2 Meter Net – 146.715 (pl 141.3) – (Echo link node- N8CT/L)

20:00– Lake Erie ARA 2 Meter Net – 146.760 (pl 110.9) – (back/up 146.880 – pl 110.9)

20:00 – Portage County Amateur Radio Society 2 Meter Net – 146.895 (pl 118.8 – Streetsboro input) (Echo link: K8BF-L node #508081)

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Friday

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

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

Saturday

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

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

14:00 -. Swan Tech Net – 7.235 MHz

15:30 – Kenwood Hybrid Tech Net – 7.235 MHz

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

Sunday

08:00 – DX 60 Net – 3.880 MHz – **AM mode**

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

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

16:00 – Drake Tech Net – 7.238 MHz

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

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

Sell, Seek or Trade

Brad Williams, K8ZM K8zm@arrl.net Cell: (440) 479-4588

For Sale:

Hy-gain TH5-MKII 5-element (10/15/20m) Tri-band Beam Antenna, asking \$500. Original owner, very good condition, stored in attic, includes all documentation.

Wanted:

US Tower MA-550 Tubular 55' Crank-Up Tower in good condition, also accessories MAF-550 Raising Fixture and MARB-550 Freestanding Rotor Base.

Bill Wihebrink < 440-943-1703 >

For Sale:

- 1) Icom 275H 100 watt all mode 2 meter transceiver
- 2) Yaesu FT 817ND

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



May 2023

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
	1 LC ARES Net 7:30pm	2	3 LCARA Meeting 7:30pm	4 2 Mtr. Net 7:00pm	5 Cinco de Mayo	6
7 Drop Run	8 LC ARES Net 7:30pm	9	19 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	11 2 Mtr. Net 7:00pm	12	13
14 Mother's Day	15 LC ARES Net 7:30pm	16 3 RD Tuesday Breakfast	17 10 Mtr. Net 8:30pm	18 2 Mtr. Net 7:00pm Ascension Thursday	19	20
21	22 LC ARES Net 7:30pm	23	24 10 Mtr. Net 8:30pm	25 2 Mtr. Net 7:00pm	26	27
28 Pentecost	29 LC ARES Mtg. 7:30pm Memorial Day	30	31 10 Mtr. Net 8:30pm			

QRZ Ham Radio Trivia Quiz Answers

Which band is known as... the "Top" band?

A: 80M

B: **160M (Correct Answer)**

C: 20M

D: 40M

Which of the following apply as an antenna elements length to diameter ratio is increased?

A: Radiation Resistance Increases & Bandwidth Increases

B: Radiation Resistance Decreases & Bandwidth Increases

C: **Radiation Resistance Increases & Bandwidth Decreases (Correct Answer)**

D: Radiation Resistance Decreases & Bandwidth Decreases

A half wave dipole antenna for the 6 meter band will be approximately how long?

A: 6 meters

B: 4.5 meters

C: **3 meters (Correct Answer)**

D: 19 inches

What is the generally accepted quantity of radials deemed necessary to form a perfect ground screen for ground mounted vertical antennas used on MF and HF frequencies?

A: 25

B: 50

C: 62

D: **There is no "magic number" (Correct Answer)**

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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 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 868
Painesville, OH 44077-0868*

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.*