



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: February 1st, 2023
On Zoom and in person at UH Tri-point Physician's Pavilion***

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Message from the President

Greetings fellow travelers,

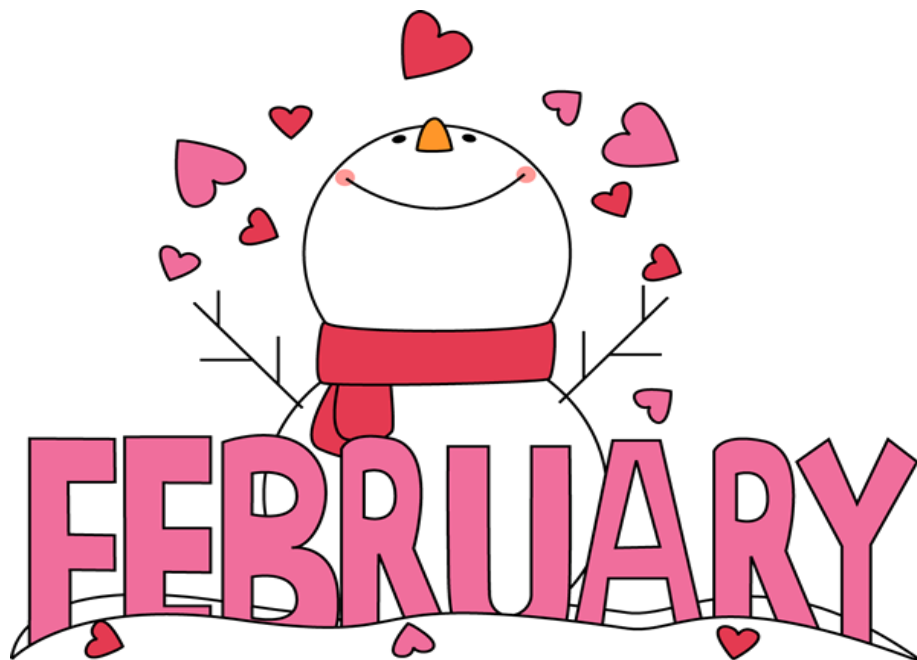
Our next club meeting will be held on February 1st, at UH Tri-Point and also online via Zoom. Meet and greet starts at 7:00pm, with the meeting commencing at 7:30pm. Our own Doug Friedt (N8FRJ) will be speaking about the Military Auxiliary Radio System (MARS). If you have ever wondered about this group, what it does and how you can participate, this should be an interesting presentation and one not to miss. We'll be hearing from our planning committee and be discussing other club projects underway. Hope you can attend.

Just a reminder, in case it slipped your attention, it's time to renew your membership for 2023. Thank you to all who have done so already. We are currently at 50% of last year's total. Renewal forms can be found on our website, or can be sent to you upon request.

Stay well and be safe.

'73

-Ed



Membership Meeting Minutes

Membership Meeting Minutes for January 4, 2023

Board Members Present:

KB8BKE – Ed Kopcak, President / Treasurer
KE8HJL – Tom Revolinsky, Vice President / Secretary

Attendees:

Ed KB8BKE	Tom - KE8HJL
Bill – N8IJG	Bill – N8WCL
Ron- NU8N	Nate - W1OLE
Neal – NFIX	Jeff – K4DKW
Paul – KE8 PP	Bob – K8QXO
Cal – W8BZP	Jim – AA80Y
Evan – W8LSQ	Bob – K8BL
Tim – WA8ZWO	Joe – N8JKO
Bob – N8KBX	
Rick – W8QL	

Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:31 p.m.
- This meeting took place in person at Tri – Point in Painesville Ohio

President – Ed (KB8BKE) mentioned:

- The motion to accept the minutes for the last meeting was accepted.
- This weekend is the Ohio Simplex Contest on Saturday.
- Winter Field day is at the end of the month.
- At the Lake County EOC there are several ICS classes coming up in February and March

New Business:

- Field Day - Is there anything we can do to rectify the problem with CW interfering with voice over 40. We will work on antenna placement
- Neil – proposed since we are running a deficit, we should consider raising the dues \$5 for each of the next 2 years to help extend the time before we run out of money. 2nd and carried.
- Joe – proposed that we review the dues fees every 2 years and look at the budget. 2nd and carried.
- Nate - proposed we look at have a committee to look at fund raising within a 501c3. 2nd and carried.
- Nate, Bob, Tom, Tim volunteered to be on the committee. (Nate would like a list of the volunteers)
 - Bob – Have a mailing to licensed hams in Lake County with information on the club.
 - Since we are a 501c if we start fund raising, there is additional forms we need to fill out and fees that we may incur.
 - We may want to consider depreciating our assets.
- Rick there is a TTY round up this weekend.

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Radio: Bill N8IJG:

- Nothing reported

Secretary Report: Tom (KE8HJL)

- We had 2 people pay their dues tonight
- 35 total members paid so far this year.

Treasurer Report: ED (KB8KBE):

- Treasury is in good shape

Sunshine:

- Mr. W8IEE

DX Report: Jim (AA80Y)

- See the Patch

Public Service: Mike (WB8ZGH)

- No events till May – Drop Run

Historical Society: Bob K8QXO:

- Closed for the month of January
- We will be able to use the facility for field day but the barn is in question.

ARRL Liaison: Bob(W2THU):

- Nothing to report

VE Testing: Don (WA8TWM)

- Nothing to report

Ohio Legislative Liaison: Bob (W2THU)

- The distracted driving bill is now law. There is a Ham Radio exception for using a mike Don't drive while holding a phone – they can pull you over and cite you.

ARES: Joseph (N8JKO).

- Nothing to report

Nets: Ed (KB8BKE) will be taking over the 2m net is November

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: \$21 Total – winner: Rick W8QL, who donated the winnings to the club.

Meeting adjourned at: 8:45 p.m.

Tom (KE8HJL)



Sunshine Report:

Nothing to report at this time

Backscatter for February 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

141 Years Ago: Thomas Edison is issued a patent for an improvement to the telephone, a carbon microphone. He put a finely divided conducting material, carbon, between metal cups mounted on arms is attached to the mouthpiece diaphragm. Sound waves at the mouthpiece move the diaphragm, the arms change the pressure on the carbon button which in turn varies an electric current passing through the carbon button. Changes in the current correspond to the instantaneous amplitude of the sound wave.

40 Years Ago: Mike, WD8IVL coordinates a joint Field Day team, with LCARA joining the now defunct LGARC (Lake Geauga Amateur Radio Club) for a major effort to be tops in the county for our class.

The FCC appears ready to implement a no-code license within the next few months. The ARRL asks for an 18 month delay in order to develop the Volunteer Examiner program, which is still in the planning stage.

35 Years Ago: In a low news month, a page of The Patch is dedicated to the 40th anniversary of the transistor, born in 1947. Now, in 2023 it's 75 (my Lord, it's as old as I am!), so lets all sing together.... Happy Birthday to You, Happy Birthday to You Dear Transistor

30 Years Ago: Ok, Czech your countries list, as Czechoslovakia officially split into Slovakia (OM) and the Czech Republic (OK) on January 1st.

25 Years Ago: AES is sold to Wisconsin businessman Phil Majerus! Effective January 1st, the chain, founded in 1957 by Terry Serman, W9DIA changed hands, with new management stating that most employees will remain in place, and it's "business as usual".

20 Years Ago: The annual club dinner is planned for February 8th at the Perfect Match, er, Blue Tip, er, Fourk.

15 Years Ago: A new one! Swain's Island, KH8/S is declared a new entity. Not to be confused with Swain's Island Newfoundland, it is an atoll in the Tokelau chain in the South Pacific. It is administered by the United States as part of American Samoa.

10 Years Ago: The March meeting will be held at the EOC on Garfield Road. Members are cautioned to "WATCH your SPEED 25mph ENFORCED".

"Mike WB8ZGH report(s) that nothing important is going on".

5 Years Ago: With a low of 3 degrees the January LCARA meeting is cancelled due to the "deep freeze".

Dan, KB6NU describes his first forays into FT-8. He is "not feeling the magic".

It is reported that two antennas got married. The wedding was so-so-, but the reception was excellent.

DX Alert

by: *Jim Pyle AA8OY*



February 2023 DX Alert

The Gambia -C5 - Andre, ON7YK is QRV as C5YK from Bijilo until February 24. Activity is on 20 to 10 meters using all modes.

Guam - KH2 - Henry, N7JVJ is QRV as N7JVJ from Hagatna until April 28. Activity is on 40 to 10 meters using SSB and FT8 with QRP power.

Papua New Guinea - P2 - David, VK4FABN is QRV as P29DT from Tabubil in the Star Mounts in the North Fly District of the Western Province. Activity is holiday style on 40, 20, 15, and 10 meters using digital modes plus SSB.

Gabon - TR - Roland, F8EN is QRV as TR8CR from Libreville until March 15, 2023. Activity is on 30 to 10 meters using CW.

Bouvet Island – 3Y0/3Y0J - the #2 most wanted entities should be operating, barring any sailing problems from the Falklands. Several stations should be operating through the first half of February using CW, SSB and FT8, (Fox/Hound only).

Ethiopia - ET – K4ZW, Ken, W9XY, Bob, and EY8MM, Nodir, continue to operate ET3AA, from Addis Ababa. They have installed receiving antennas hoping to defeat the high noise levels. By January 24 they will have a second rig on 6 meters FT8.

Sri Lanka - 4S – DC0KK, Peter, and DK9DR, Wolfgang, will be in Perkar, Trincomalee (grid locator NJ08nr) and QRV as 4S7KKG and 4S7DRG respectively until February 7. They will operate 10 through 80 meters using SSB, FT4 and FT8.

Saint Brandon - 3B7 - 3B7M is February 24-March 6 dxpediton by the OM7M Slovak Republic Radio Club. An experienced op has joined the team of six operators and he will concentrate on 160. They'll have high power amps.

Senegal - 6W – ON4AVT, Willy, is planning another visit near Mbour, Senegal between February 6th and March 31st. He will be operating as 6W7/ON4AVT on SSB, CW and FT8 on 80 through 10 meters.

Ogasawara Islands - JD1/O - JA1PFP, Taka, is planning to operate on the HF bands from Komagari, Chichi Jima Island (AS-031) as JD1BQB from February 7-13.

Montserrat - VP2M – VP2MDX/W2APF, Thaire Bryant, is there until March 30 operating on 80, 40 and 30. His operation is "mostly holiday style," on CW and SSB.

Happy hunting!

Jim, AA8OY

Thanks to ARRL DX and Weekly DX

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Upcoming Contests: (from the OSJ/WA7BNM)

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

Feb. 1	UKEICC 80m Contests SSB	https://ukeicc.com/80m-rules.php
Feb. 1	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Feb. 4	AGCW Straight Key Party	www.agcw.de/contest/http/http-en
Feb. 4	FYBO Winter QRP Sprint	https://qrper.com/tag/fybo
Feb. 4	Minnesota QSO Party	www.w0aa.org/mn-qso-party
Feb. 4-5	10-10 Int'l Winter Contest	http://bit.ly/1FrFeBc
Feb. 4-5	British Columbia QSO Party	www.orcadxcc.org/bcqp_rules.html
Feb. 4-5	European Union DX Contest	https://eudxcc.altervista.org/eu-dx-contest
Feb. 4-5	Mexico RTTY International Contest	www.rtty.fmre.mx/index.html
Feb. 4-5	North American CW Sprint	http://ncjweb.com/north-american-sprint
Feb. 4-5	Vermont QSO Party	www.ranv.org/ranv.html
Feb. 6	RSGB 80m Club Championship, SSB	http://bit.ly/3TxCrxl
Feb. 8	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Feb.11	FISTS Winter Saturday Sprint	www.fistsna.org/operating.html
Feb. 11	Asia-Pacific Spring Sprint (CW)	http://jsfc.org/apsprint
Feb. 11	RSGB 1st 1.8 MHZ Contest CW	http://bit.ly/3TxCrxl
Feb. 11-12	CQWW RTTY WPX Contest	www.cqwprrty.com
Feb. 11-12	Dutch PACC Contest	http://pacc.veron.nl
Feb. 11-12	KCJ Topband Contest	www.kcj-cw.com/e_index.htm
Feb. 11-12	OMISS QSO Party	www.omiss.net/Facelift/qsoparty.php
Feb. 11-12	SARL Field Day Contest	http://bit.ly/H0lqQf
Feb. 11-13	YL OM Contest	https://yldr.org/wp/yl-om-contest
Feb. 12	CQC Winter QSO Party	http://bit.ly/2Qayte1
Feb. 13-17	ARRL School Club Roundup	www.arrl.org/school-club-roundup
Feb. 14	PODXS 070 Club Valentine Sprint	http://bit.ly/2Rp8LTk
Feb. 15	AGCW Semi-Automatic Key Evening	www.agcw.de/contest/sta
Feb. 15	RSGB 80m Club Championship, DATA	http://bit.ly/3TxCrxl
Feb. 15	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Feb. 18-19	ARRL CW DX Contest	www.arrl.org/arrl-dx
Feb. 19	FISTS Winter Sunday Sprint	www.fistsna.org/operating.html
Feb. 22	UKEICC 80m Contests CW	https://ukeicc.com/80m-rules.php
Feb. 23	RSGB 80m Club Championship, CW	http://bit.ly/3TxCrxl
Feb. 24-26	CQWW 160M SSB Contest	www.cq160.com/rules.htm
Feb. 25-26	Hiroshima Worked All Squares	www.hs-contest.org

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Feb. 25-26	REF SSB Contest	https://tinyurl.com/p4bbva92
Feb. 25-26	South Carolina QSO Party	http://scqso.com
Feb. 25-26	UBA CW DX Contest	http://bit.ly/W0gZiE
Feb. 25-26	North American RTTY QSO Party	http://ncjweb.com/nagp
Feb. 26	High Speed Club CW Contest	www.highspeedclub.org
Feb. 26-27	North Carolina QSO Party	http://ncqsoparty.org/rules
Feb. 27	RSGB FT4 Contest Series	http://bit.ly/3TxCrxl

Upcoming Ham Fests: (from the OSJ)

<p>03/11/2023 - MOVARC Hamfest Location: Bidwell, OH 45614, OH Sponsor: Mid-Ohio Valley Amateur Radio Club Learn More</p>	<p>03/12/2023 - Winter Hamfest Location: Elyria, OH Sponsor: Northern Ohio Amateur Radio Society Website: http://winterhamfest@noars.net Learn More</p>
<p>03/19/2023 - Toledo Mobile Radio Association Hamfest Location: Perrysburg, OH Sponsor: Toledo Mobile Radio Association Website: http://www.tmrahamradio.org Learn More</p>	<p>04/15/2023 - Cuyahoga Falls Amateur Radio Club Hamfest Location: Cuyahoga Falls, OH Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. Website: http://www.cfarc.org Learn More</p>
<p>04/22/2023 - Tusco Amateur Radio Club Hamfest, Electronics, and Computer Show Location: Dover, OH Sponsor: Tusco Amateur Radio Club W8ZX Website: http://www.w8zx.net Learn More</p>	<p>04/30/2023 - Athens Hamfest Location: Athens, OH Sponsor: Athens County Amateur Radio Association Website: http://www.ac-ara.org/ Learn More</p>
<p>05/13/2023 - 05/17/2023 RV Radio Network Location: Berlin, Ohio, OH Type: ARRL Operating Specialty Convention Sponsor: RV Radio Network Learn More</p>	
<p>05/19/2023 - 05/21/2023 Dayton Hamvention Location: Xenia, OH Sponsor: Dayton Amateur Radio Association Website: http://Hamvention.org Learn More</p>	<p>05/27/2023 - Scioto Valley Amateur Radio Club Hamfest Location: Piketon, OH Sponsor: Scioto Valley Amateur Radio Club Learn More</p>

Ohio Section News:

Bret Stemen – KD8SCL Ohio Section EC

ARES VHF/UHF Simplex Contest

The 2023 ARES Simplex Contest is in the books and the results are in. I am pleased with the results, but at the same time a little disappointed that there weren't more participants in the contest. But I understand with scheduling conflicts and personal reasons, family comes first. Maybe next year.

This contest is a great way to test your equipment for proper operations and what your equipment is capable of, be sure to map out your QSO's to check your longest distance within your county and surrounding counties. This information can be important for your county in the event of an actual emergency in your county and you need to get information out. Think about setting up an exercise for your local group to test your simplex capabilities in your county.

Thank you to those of you that took the time out of your busy schedule to participate in the contest and your comments.

Here are the results so far.

Participants: 35

ARES Leaders: 11

Counties: 19

QSO Points: 2,364

Contacted Counties: 214

Hours of Operation: 133

ARES Leader Contacts: 73

EOC Contacts: 75

APRS Ops: 7

Portable Ops: 5

Rover Ops: 8

Total QSO Points: 24,600

Top 10 points:

1. KD8EZI, Medina Co. 4,769
2. W8Z, Rover. 2,966
3. N8XC, Preble Co. 2,774
4. W8MAL, Rover. 2,200
5. N8ESG, Rover. 1,792
6. WD8LEI, Wood Co. 1,099
7. WO3X, Summit Co. 1,043
8. AB8M, Cuyahoga Co. 826
9. KE8QEP, Portage Co. 800
10. KD8TJB, Geauga Co. 784

NVIS Day 2023

Ohio NVIS Day 2023 will be held Saturday April 22, from 10AM until 4PM EDT.

The purpose of NVIS day is to construct and try various antenna ideas, all working as NVIS (Near Vertical Incident Sky wave) antennas. These antennas are low to the ground and provide coverage generally within a 400 mile radius- extremely important for regional HF communications in an emergency.

For 2023, we have added a couple operating scenarios that will make your day more fun and be a learning event for actual disaster communications. We propose a commercial power blackout, with the need to communicate within your ARES district and to W8SGT at the Ohio EOC in Columbus. Here's the deal:

1. The event runs from 10 AM until 4 PM local time.
2. Stations will construct and test NVIS antennas.
3. Transmit power is limited to 100 watts.
4. Power for the station will be any form of "off-grid" supply: typically, generator, battery or solar or whatever form you might have in an emergency setup. (Optional, but preferred)
5. Stations may test antenna coverage as in the past by contacting as many different locations as possible.
6. Stations may originate a message to their ARES District net and to W8SGT reporting their location.
 - a. This message may take any form: ARRL message form or any other can be used, doesn't matter. If you're going to use the traffic system, an ARRL message form is recommended.
 - b. The message should contain the call sign, operating location (include county) and number of operators. Any other brief antenna information is optional but appreciated!
 - c. Contact with the District net may take place on VHF or HF (Repeaters OK).
 - d. WinLink may also be used as long as it sent via RF, local node (VHF, UHF) or an HF node. For more information on node locations, visit WinLink.org.
7. Operating frequencies are proposed to be in the 80 and 40 meter bands. Voice is preferred for testing. Digital messages may be passed to OHDEN or Buckeye Net as available.
 - a. Optimum frequencies centered around but not limited to: 3.902 and 7.240
 - b. Digital OHDEN frequency: 3585 (typical is Olivia 8/500)
 - c. If additional exercise is desired, try 60 meters, Channel 5493.5 for voice and digital

You can create your own log (Excel preferred) or use the attached format. Be sure to include a photo of your group or your antenna! Submit your results to contest@n8ara.org
Have fun! Take a lunch break! I hope to hear you!!

ARRL News:

[The K7RA Solar Update](#)



From the first week of this year, we saw a dramatic and welcome increase in solar activity, but it softened in this reporting week, January 19-25.

Average daily sunspot numbers starting with the final reporting week for 2022 were 96.1, 97, 135.9. 173.4... [Read More](#)

[Mobile App Available to Navigate 2023 Orlando HamCation](#)



Orlando HamCation® is February 10 - 12, 2023, and hosts the ARRL Southeastern Division Convention. [Read More](#)

[29th Annual Dayton Contest Dinner is May 20, 2023](#)



The North Coast Contesters will host the 29th Annual Dayton Contest Dinner at the Hope Hotel, located at Wright-Patterson Air Force Base in Dayton, Ohio, on Saturday night, May 20, 2023, at 6:30 PM. [Read More](#)

[More Amateur Radio Astronauts Head for the International Space Station](#)



Three of the four new astronauts on February's planned launch of the SpaceX Crew-6 mission to the International Space Station (ISS) are amateur radio operators. [Read More](#)

QRZ Ham Radio Trivia Quiz

The African call prefix 7P is totally landlocked by African call prefix ZS.

- A: True
- B: False

What was the call sign in the movie "Frequency?"

- A: WC3CAP
- B: WB2DD
- C: W2QYV
- D: W2AOD

While living in Kansas you decide to start working towards DXCC. Upon receiving confirmation of your 99th country your job transfers you to Alaska. Do you have to start your quest for your DXCC award all over again?

- A: Yes
- B: No

Which of the following DXCC countries spans over more than one continent, according to ham boundaries in the world? (there are possibly others, but they are NOT on this list - choose from what's on the list)

- A: Spain
- B: Italy
- C: Australia
- D: Colombia

Who is Martin F. Jue?

- A: Inventor of the Martin Jue Electrodyne receiver
- B: The 7th Commissioner of the FCC
- C: MFJ Inc. Founder
- D: Inventor of the Martin telegraph key

Answers on page 24



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, February 4
Saturday, April 1
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.

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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 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 **February 21st**, 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

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)

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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

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)

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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@arri.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



Since 1978

February 2023

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

QRZ Ham Radio Trivia Quiz Answers

The African call prefix 7P is totally landlocked by African call prefix ZS.

A: True (Correct Answer)

B: False

What was the call sign in the movie "Frequency?"

A: WC3CAP

B: WB2DD

C: W2QYV (Correct Answer)

D: W2AOD

While living in Kansas you decide to start working towards DXCC. Upon receiving confirmation of your 99th country your job transfers you to Alaska. Do you have to start your quest for your DXCC award all over again?

A: Yes (Correct Answer)

B: No

Which of the following DXCC countries spans over more than one continent, according to ham boundaries in the world? (There are possibly others, but they are NOT on this list - choose from what's on the list)

A: Spain

B: Italy (Correct Answer)

C: Australia

D: Colombia

Who is Martin F. Jue?

A: Inventor of the Martin Jue Electrodyne receiver

B: The 7th Commissioner of the FCC

C: MFJ Inc. Founder (Correct Answer)

D: Inventor of the Martin telegraph key

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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

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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 N9JIG/R Node #665499
224.500 - 1.6MHz -PL tone of 141.3 Hz.
444.650 + 5.0MHz -PL tone of 131.8 Hz.*