



The LCARA Patch



10 METER ROUNDTABLE
WEDNESDAY @ 20:30 HRS
28.450 MHz

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

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



LCARA Board

President	KB8BKE	Ed Kopcak
Vice President	Vacant	
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
Program Director	Joe Koskovics	N8JKO
Publicity	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Open	
Web Master LCARA	Bill Wihebrink	N8IJG

***Our next club Meeting: January 4th, 2023
On Zoom and in person at UH Tri-point Physician's Pavilion***

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Message from the President

Greetings fellow travelers,

I hope this finds you all well and not too calorically distressed by all the goodies you've consumed the past week or so. Oh well, it's only once a year and you'll likely work it off chasing after grandchildren or shoveling snow anyway.

Our next meeting is on January 4th at UH Tri—Point, and will be presented online as well for those unable to attend in person. We currently have no speaker planned, but if one among you wishes to make a short presentation to the group, for this meeting or any other, please feel free to contact me.

I want to wish everyone the very best for the New Year. May your joys be many and that your troubles are few.

Stay well and be safe.

'73

-Ed



Membership Meeting Minutes

Minutes for December 7th, 2022

Board Members Present:

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

Attendees:

Ed KB8BKE	Tom KE8HJL
Don WA8TWM	Nate W1OLE
Bill N8WCL	Paul W8PJW
Cal W8BZP	Neal NF1X
Penny	Bob W2THU
Bob K8QXO	Larry WB8PHI
Bob N8KBX	Evan W8LSQ
Paul KE8PP	John KB8YJY
Bob W2THU	

Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:34 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.
 - Nominations for people to serve on the board for FY 23 – no motions were made
 - Ed (KB8BKE) made a motion to a for the board for FY 23 be the same as it is currently configured. The motion was accepted.
- New Business:
 - We have a new post office box in Fair Port Harbor #1032 same zip code. The rate in Fairport is \$50 cheaper.
 - The Picnic is going to be held August 12th Saturday at Chagrin River Metro parks Rural Shelter in East Lake off of Lost Nation Road. From 3pm to 8pm.
 - Repeater System Improvements:

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- The new CEO of UH Tri-Point is willing us to Improving the Repeater System by raising the Antenna Height by 20 feet. COMSERV the contractor wants a structural engineer to do a study.
- There is a structure at Lake West which is currently abandoned. We are thinking of moving the equipment at Breckenridge to Lake West. This would greatly improve our foot print in the eastern side of Lake County.
- We would need to incur the cost of Tower climbing, installation and any materials.
- Budget. See an attached baking summary from 1/1/22 through 11/30/22.
 - Discussions were made to either cut expenses or raise dues to help reduce the budget shortfall.
 - A motion was made to accept the budget and it was accepted.

- **Director At large:** Joe (N8JKO) reported: nothing reported.
- **Radio:** Bill N8IJG: nothing reported
- **Secretary Report:** Tom (KE8HJL) We had 3 people renew membership at the meeting
- **Treasurer Report:** ED (KB8KBE): Budget will follow:
- **Sunshine:** nothing to report
- **DX Report:** Jim (AA80Y)
See text in this issue
- **Public Service:** Mike (WB8ZGH)
 - Next event is Drop Run in May (tentative)
- **Historical Society:** Bob K8QZXO: nothing to report

- **ARRL Liaison:** Bob(K8WX0): nothing to report
- **VE Testing:** Don (WA8TWM) nothing to report
- **Ohio Legislative Liaison:** Bob (W2THU)
 - The exemption for Ham Radio is in the Distracted Driving Bill. The Bill has been read in the Senate and hopefully no changes will be made.
- **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 +/-

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

50/50 Drawing: Bob K8QXO won and donated his winnings back to the club.

Meeting adjourned at: 8:30 p.m.

Tom (KE8HJL)

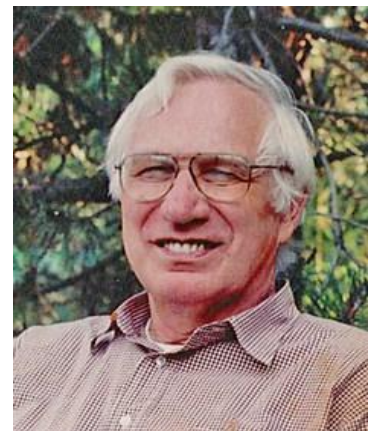


Sunshine Report:

Aavo Puussar WA8IEE (SK)

Aavo Puussaar, 85, of Mentor, passed away Saturday, December 10, 2022. He was born February 22, 1937 in Vandra, Estonia. He immigrated to America in 1950 and was a faithful member of the Estonian Community, the Cleveland Cultural Gardens and Faith Lutheran Church in Mentor for over 50 years. Aavo was a U.S. Air Force

Veteran who worked as an Electrical Design & Test Engineer at Gould Electronics for most of his career. He could install, rewire and fix anything electrical, loved tinkering with computer equipment and amassed quite a collection of electronics in his basement. He was the chief sound engineer at all Estonian events. Aavo loved sweet wine, feeding the neighborhood strays and seeing how many miles his diesel Rabbit Volkswagen could go over 350K miles! He was a skilled photographer who chronicled history through the photographs he captured at all family and community events. Aavo always enjoyed a good nap and being "very relaxed".



Backscatter for January 2023

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

430 Years Ago: Wind power is invented. In 1593, the state of Holland grants a patent on a windmill with a crankshaft.

119 Years Ago: Thomas A. Edison is issued a patent for an "Electrical Automobile". It has a driving motor that may be conveniently utilized for the purpose of charging the batteries. By reversing the rotation of the motor-armature, the electric motor becomes a generator for charging. To charge the batteries a small steam engine is connected to the armature, and a clutch is used to disconnect the driving wheels. Alternatively, the wheels can be jacked up during the charging operation.

114 Years Ago: British explorer Ernest Shackleton claims to have found the magnetic South Pole.

104 Years Ago: A very large vat bursts in a Boston molasses processing plant, flooding its contents into the street with a heavy wave of molasses moving at an estimated speed of 35 mph. 21 people are killed and 150 injured.

40 Years Ago: After years of inactivity, two Dxpeditons are planned to Heard Island. Jim Smith, VK9NS and a group called the "VK6DX Chasers" plan to operate from the sub-Antarctic island in January. Those who miss this opportunity will need to wait another 13 years to try again.

35 Years Ago: The club receives permission to use the call sign N200BC for a special event station during the bicentennial in February. Operation is planned from President Garfield's home in Mentor.

30 Years Ago: With DXCC processing backlogged six months, the ARRL adds employees plus a night shift to speed things along.

In QRM ES QRN ES QSB DE K8BL Bob describes a visit to the new Milwaukee AES headquarters store. Although it is twice the size of the Wickliffe facility, the layout is virtually identical. Nice touches are two enclosed desk areas set up for trying out gear, and four or five times more used equipment.

25 Years Ago: The FCC orders destruction of all 610 forms! As of January 1st 1998, the FCC will accept only the new Form 610, which includes a certification stating the applicant will comply with new RF radiation safety rules.

The Voice-Of-America in Bethany Station is now a SK.

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20 Years Ago: Jim, AA8OY reports that during four hours of QRP operation during the ARRL 10 meter contest, he was able to work 51 countries.

Jim also reports our Field Day results; we were 1st in class, and 16th overall of 2092 entrants.

15 Years Ago: The 338th DXCC entity is created, Saint Bartheleme, FJ

It is announced that Doug, K8NFF has become engaged, and will move to the west coast in the coming year.

The Patch includes pictures of Dennis (KI8U) and Rick (N8BY), each wearing their Ham of the Year awards.

10 Years Ago: Matt Welch, W8DEC holds a Technician license class, running four Wednesdays in January..

5 Years Ago: Mike, WB8ZGH outlines the Public Events LCARA participated in during the year, for a total of 621 Public Service hours.

DX Alert

by: Jim Pyle AA8OY



DX Alert, January 2023

3Y/B - Bouvet Island – Bouvet Island is a Norwegian uninhabited sub Antarctic volcanic island located in the South Atlantic Oceans and the #2 most wanted entity. A carefully planned expedition has been in the preparatory stages for more than two years and is now planned to be QRV January through February 2023. The call sign will be 3Y0J and several stations will be operating CW, SSB, FT4 and FT8 from 10m through 160m. Don't let this one get away!

FT5/W – Crozet – Crozet is the #3 most wanted entity wanted by DXers. It will be activated by Thierry, F66CUK, using the call sign FT8WW and will be working CW, SSB, FT4 and FT8

VK9/N - Norfolk Island - ZL1MTO, Marcelo, will have the VK9MTO call sign when he visits there on holiday December 29 to January 5. His last visit was in 2019. He notes that VK9DX is a resident of the island. Marcelo expects to do some SSB and FT8 on 20, 15 and 10, "most likely between 0600- 1100Z."

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ZC4 - UK Sovereign Bases of Cyprus - 2M1DHG, Garry (aka VP8DLB), is back at ZC4GR and has been QRV for the past week or so with reported activity on 40, 30 and 10 meters FT8

6W – Senegal - Earl, WA3DX is QRV as 6W1/WA3DX from Dakar, 6W6/WA3DX from Mbao, and 6W9/WA3DX from Kaolack and Marloj Island. Activity is on 40 to 10 meters using SSB and FT8

DU – Philippines - Pete, VK4CCV is QRV as VK4CCV/DU7 from Cebu. Activity is on all bands and modes. This is a temporary call sign.

ZC4 - UK Sovereign Bases on Cyprus - Garry, 2M1DHG is QRV as ZC4GR and has been QRV for the past week or so with reported activity on 40, 30 and 10 meters FT8

ZA – Albania - Ron, NS5K is QRV as ZA15K while doing missionary work. Activity is in his spare time on 40 and 20 meters using SSB.

Happy hunting!

Jim, AA8OY

Thanks to ARRL DX & Weekly DX

Upcoming Contests: (from the OSJ)



Announcing! Ohio ARES VHF Contest January 14, 2023



Purpose:

ARES is tasked with being able to provide communications “When all else fails.” Local communication is critical and typically takes place on the VHF or UHF amateur band. In order to improve our ability to perform on these bands, Ohio Section ARES is sponsoring the ARES VHF Contest (Yeah, we know, but calling it the Ohio VHF / UHF Contest got a little long-winded). Participants in the contest are encouraged to make as many contacts as possible within the timeframe of the contest, with as many different geographical locations as the bands permit. The contest is open to all amateur operators, ARES members are strongly encouraged to participate. How else are you going to win the ‘bragging rights’ session of your next ARES meeting?

When did you say it was?

The contest is January 14, 2023. The start time is (for those of us who sleep in) 10 AM through 4 PM Eastern. Yeah, a civilized timeframe that doesn’t rob sleep, and allows time with the family. Why, you can even watch a few cartoons in the morning!

Please register at <https://ohsimplex.org/submit-operation/>

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Where you gonna be?

You may operate this contest from anywhere. There are certain benefits for venturing out from your warm, comfortable home station. EOC stations can gain extra points. Portable stations can gain even MORE extra points – that is, if your frozen fingers will still be able to operate a keyboard. Portable stations MUST use portable antennas, nothing permanently attached...kind of like Field Day on ice. We are not going with any mobile operation this time. The image of a bunch of vehicles running around with portable towers, 150 pounds of antenna hardware and an occasional grounding anchor is best left to the ARRL contesters.

Da Bands – a la' Mode

Because local emergency communication takes place primarily on the two meter and 70 centimeter bands, the contest is limited to those two bands. Within each band, we will have these modes: FM Simplex, "Everything else" Simplex; DIGITAL simplex contacts will make up a third mode on each band. Contacts with a station count once per mode- if you can talk the other guy into abandoning "his frequency" and meeting you on SSB or CW, more power to ya! NO REPEATER CONTACTS WILL COUNT. If you get bored, you certainly are welcome to chat amongst yourselves on repeaters, or simplex, or cell phones, or smoke signals.

Da Contacts

The goal is to contact as many different stations in as many different counties as possible. You can make as many overall contacts as you like, they will then be multiplied by the number of counties you've reached. Extra points will be available for contacting an EC, AEC, DEC, ADEC, ASEC or SEC. Pretty simple- any more complex and we'll confuse the scorekeepers.

Da Score

Each FM Simplex contact: 1 point.

Each non- FM simplex contact: 1 point.

Each digital simplex contact: 1 point. (Detect a pattern here?)

Contact with EC, AEC, DEC, ADEC, ASEC or SEC: 10 points.

Contact with an EOC or with a portable station: 5 points.

Operation from an EOC: 200 points

Operation from a portable location: 100 points

Total contact score (all bands/modes added together) will be multiplied by the total number of counties you contacted.

Da Logs

Please use any of the appropriate computers logging programs, paper dupe sheets, a well worn slide rule or rusty abacus. Just keep all that, we can't find anyone with the time to go through all the detail contacts.

For more information and log submission, please visit <https://ohsimplex.org>

If you need an antenna, here is a J-Pole that you can make: <https://w8wky.org/simple-j-pole-antenna/>

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Other contests:

Jan. 1	AGB New Year Snowball Contest	https://tinyurl.com/2bhzx96n
Jan. 1	AGCW Happy New Year Contest	www.agcw.de/contest/hnyc/hnyc-engl
Jan. 1	AGCW VHF/UHF Contest	www.agcw.de/contest/vhf-uhf
Jan. 1	ARRL Straight Key Night	www.arrl.org/straight-key-night
Jan. 1	QRP ARCI New Year's Day Sprint	http://qrpccontest.com
Jan. 1	SARTG New Year RTTY Contest	www.sartg.com
Jan. 4	UKEICC 80 Meter Contest SSB	https://ukeicc.com/80m-rules.php
Jan. 4	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Jan. 7	PODSX PSKFest	http://bit.ly/2Qv3wkA
Jan. 7-8	Original QRP Contest	www.qrcc.de/contestrules/index.html
Jan. 7-8	WW PMC Contest	http://bit.ly/2y2QWCc
Jan. 7-8	ARRL RTTY Roundup	www.arrl.org/rtty-roundup
Jan. 7-8	EUCW 160m Contest	www.eucw.org/eu160.html
Jan. 8	DARC 10-Meter Contest	http://bit.ly/2pCiRo1
Jan. 11	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Jan. 14	YB DX Contest SSB	https://ybdxcontest.com
Jan. 14-15	Feld Hell "Low Down" Sprint	https://bit.ly/3eKxi2f
Jan. 14-15	North American CW QSO Party	http://ncjweb.com/nagp
Jan. 14-15	UBA PSK63 Prefix Contest	http://bit.ly/2Oi8fsa
Jan. 18	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Jan. 21-22	Hungarian DX Contest	www.ha-dx.com/en/contest-rules
Jan. 21-22	North American SSB QSO Party	http://ncjweb.com/nagp
Jan. 21-23	ARRL January VHF Contest	www.arrl.org/january-vhf
Jan. 25	UKEICC 80 Meter Contest CW	https://ukeicc.com/80m-rules.php
Jan. 25-26	AWA Linc Cundall Memorial Contest	https://bit.ly/3iDUm34
Jan. 27-29	CQWW 160M CW Contest	http://cq160.com/rules.htm
Jan. 28-29	AWA Linc Cundall Memorial Contest	https://bit.ly/3iDUm34
Jan. 28-29	BARTG RTTY Sprint	http://bartg.org.uk/wp/contests
Jan. 28-29	REF CW Contest	https://tinyurl.com/p4bbva92
Jan. 28-29	UBA SSB Contest	http://bit.ly/W0gZiE
Jan. 28-29	Winter Field Day	www.winterfieldday.com

Check out the WA7BNM Contest Calendar page (<https://www.contestcalendar.com/>) and CQ Magazine for more contests or more details.

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Upcoming Ham Fests: (from the OSJ)

01/15/2023 - [Sunday Creek Amateur Radio Federation Hamfest](#)

Location: Shade, OH
Sponsor: Sunday Creek Amateur Radio Federation
Website: [QRZ KC8AAV](#)
[Learn More](#)

03/11/2023 - [MOVARC Hamfest](#)

Location: Bidwell, OH 45614, OH
Sponsor: Mid-Ohio Valley Amateur Radio Club
[Learn More](#)

03/19/2023 - [Toledo Mobile Radio Association Hamfest and Computer Fair](#)

Location: Perrysburg, OH
Sponsor: Toledo Mobile Radio Association
Website: <http://www.tmrahamradio.org>
[Learn More](#)

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](#)

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

Location: Berlin, Ohio, OH
Type: ARRL Operating Specialty Convention
Sponsor: RV Radio Network
[Learn More](#)

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

Location: Xenia, OH
Sponsor: Dayton Amateur Radio Association
Website: <http://Hamvention.org>
[Learn More](#)

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

Location: Mansfield, OH
Sponsor: Intercity Amateur Radio Club
Website: <http://iarc.club>
[Learn More](#)

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

Location: Van Wert, OH
Sponsor: Van Wert Amateur Radio Club
Website: <http://w8fy.org>
[Learn More](#)

08/12/2023 - [Cincinnati Hamfest](#)

Location: Owensville , OH
Sponsor: Milford ARC
Website: <https://CincinnatiHamfest.org>
[Learn More](#)

Ohio Section News:

Bob Winston W2THU

State Government Liaison



ANATOMY OF THE NEW TEXTING BILL AND AMATEUR RADIO

At long last, HB-283 has passed the Ohio Legislature and is waiting for Governor DeWine's signature after morphing into SB-288. (The Governor said that he will sign this bill during an interview on Cleveland Channel 5 News the evening of 21 Dec 22.)

You probable recall that we have been monitoring this legislation since it was introduced in May 2021. After its introduction, it was referred to the House Criminal Justice Committee where many proponents recommended its passing. Yet, it was never voted out of committee, and it appeared to be doomed, as were similar bills in prior sessions.

Characteristically, after the general election this past November, our Ohio legislators returned to Columbus for the so-called lame duck session. This is a very short session, between the elections and Christmas recess, where a lot gets done. Suddenly HB-283 was voted out of committee to the House floor where it passed the following day. It was sent to the Senate where it was inserted into SB-288, along with several other unrelated bills, resulting in a massive 1081-page tome that was passed in the Senate, returned to the House, where it also passed a few days ago and sent to Governor DeWine for his signature.

The thrust of the bill was to make texting while driving a primary offense. Up to now, you could not be stopped for texting while driving unless you committed another violation, such as going through a red light. The new bill allows law enforcement to cite you for texting while driving, resulting in a fine for the first offense, with increasing penalties for repeat offenders.

Of concern to Ohio hams, was the broad definition of what is now called an Electronic Wireless Communications Device (EWCD). I felt that our ham radios fit the definition of an EWCD and that just holding the microphone of your mobile rig could subject us to being ticketed while talking on our rigs.

The best way to avoid this contingency was to carve out an exception for our hobby. I requested your help in achieving this goal and was pleased to hear from several hams who knew their Ohio Senator or House Representative and were willing to speak to them about our concerns. On top of the list is **Michael Kalter, W8CI**, of Hamvention fame, who met with one of the bill's sponsors, State Rep. Brian Lampton. Mike explained

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that without an exemption for amateur radio, our ability to assist in emergencies would be hampered. He also gave data, some received from our Section Manager, **Tom Sly, WB8LCD**, about how amateur radio affects community safety.

The result is the following language in the bill: *An “electronic wireless communication device” does not include a two-way radio transmitter or receiver used by a person who is licensed by the federal communications commission to participate in the amateur radio service.” (ORC 4511.204(H)(1)(f))*

When the bill becomes law, you are protected by the above cited amateur radio exemption. I would recommend that you keep a copy of ORC 4511.204 handy, with the above italicized section highlighted, to show the peace officer if you do get stopped. But remember, when you go on the air from your mobile radio, pay attention to your driving, as we always do, and enjoy our great hobby!

Thanks to all of you who did contact your state legislators in support of an exemption for amateur radio. That includes **Tim Price, K8WFL (SK)**, a Wickliffe ham, who was a professional lobbyist for the Brotherhood of Locomotive Engineers. Tim had volunteered to use his skills to achieve this favorable result for our hobby. Unfortunately, he passed away very quickly last May from a very aggressive form of cancer.

As always, if you know of any legislation that might affect amateur radio, please let me know.

My best wishes for a Merry Christmas, Happy Chanukah, Happy Kwanzaa and a healthy and happy New Year!

Best 73, W2THU

ARRL News:

[The K7RA Solar Update](#)



Solar activity was down a bit from the previous week. [Read More](#)

[Rep. Bill Johnson Introduces Bill to Eliminate Private Land Use Restrictions on Amateur Radio](#)



Congressman Bill Johnson (OH-6) introduced a bill in the U.S. House of Representatives (H.R.9670) on Thursday, December 22, 2022, to eliminate private land use restrictions on Amateur Radio Operators. [Read More](#)

[Rep. Lesko Introduces Bill to Replace Symbol Rate Limit with Bandwidth Limit](#)



Congresswoman Debbie Lesko (AZ-08) introduced a bill in the US House of Representatives (H.R. 9664) on December 21, 2022 to require that the Federal Communications Commission replace the current HF digital symbol rate limit with a 2.8 kHz bandwidth limit. [Read More](#)

[Marines To Gain Radio Op Experience Via Amateur Radio](#)



On Wednesday, December 7, 2022, 22 Communication Officers at the Marine Corps Communication-Electronics School (MCCES) in Twentynine Palms, California, became amateur radio operators. [Read More](#)

QRZ Ham Radio Trivia Quiz

What state IS NOT part of the 7TH call sign district?

- A: Oregon
- B: California
- C: Washington
- D: Idaho

When was the invention of the transistor announced?

- A: 1947
- B: 1948
- C: 1949
- D: 1950

Marconi was awarded the Nobel prize. In what year did this occur?

- A: 1899
- B: 1909
- C: 1912
- D: 1916

The first Amateur Radio license was issued in 1912. Who received it?

- A: Hiram Percy Maxim, 1AW
- B: Don Wallace, 6AM
- C: Irving Vermilya, 1ZE
- D: Lee DeForest, 1AA

Use of the word MAYDAY...

- A: is used to indicate the vessel's radio transmitter is not working correctly
- B: is used only to report aircraft in distress.
- C: is used in any emergency situation
- D: is used only in life-threatening situations

Which of the following tools was included in many early Heathkits?

- A: Miniature spanner wrench
- B: Small set of jeweler's screwdrivers
- C: A tiny magnifying glass
- D: Heathkit never included any tools with its kits

Answers on page 26



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 **January 17th**, 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

January 2023

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

QRZ Ham Radio Trivia Quiz

Answers

What state IS NOT part of the 7TH call sign district?

- A: Oregon
- B: California (Correct)
- C: Washington
- D: Idaho

When was the invention of the transistor announced?

- A: 1947
- B: 1948 (Correct)
- C: 1949
- D: 1950

Marconi was awarded the Nobel Prize. In what year did this occur?

- A: 1899
- B: 1909 (Correct)
- C: 1912
- D: 1916

The first Amateur Radio license was issued in 1912. Who received it?

- A: Hiram Percy Maxim, 1AW
- B: Don Wallace, 6AM
- C: Irving Vermilya, 1ZE (Correct)
- D: Lee DeForest, 1AA

Use of the word MAYDAY...

- A: is used to indicated the vessel's radio transmitter is not working correctly
- B: is used only to report aircraft in distress.
- C: is used in any emergency situation
- D: is used only in life-threatening situations (Correct)

Which of the following tools was included in many early Heathkits?

- A: Miniature spanner wrench
- B: Small set of jeweler's screwdrivers
- C: A tiny magnifying glass (Correct)
- D: Heathkit never included any tools with its kits



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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.*