



## The LCARA Patch



10 METER ROUNDTABLE  
WEDNESDAY @ 20:30 HRS  
28.450 MHz

[www.lcara.org](http://www.lcara.org)  
<https://groups.io/g/lcarapatch>  
<https://www.facebook.com/groups/LCARAofOhio/>

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



### 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: April 5th, 2023  
On Zoom and in person at UH Tri-point Physician's Pavilion***

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## Message from the President

Greetings fellow travelers,

We kick off our public service season on April 2<sup>nd</sup>, with the Spring Thaw 10 Miler and 5K run out of Mentor Veterans Park in continuing partnership with GCXC Racing. Also this month, on the 22<sup>nd</sup>, is the yearly NVIS Day exercise, which will be held at the James A. Garfield Home. These events allow us to hone valuable communication and deployment skills, should we be called upon to help the Lake County Emergency Management Agency, which is our primary served agency. All of our planned events are listed on our website and we are always looking for operators. Please consider volunteering your time and expertise.

The next club meeting will be April 5<sup>th</sup>, at Tri-Point and also on Zoom. We have no speaker planned at this time. If you would like make a presentation to the group, or have a suggestion for either a topic or presenter, let us know.

Thanks to all who have renewed their memberships and we have added 4 new members. We are however lacking 20 (you know who you are) renewals to be at last year's level. To those who have not yet sent in your dues, please take a moment and consider doing so.

On behalf of your board, we'd like to wish everyone an enjoyable Easter and Passover.

Stay well and be safe.

'73

-Ed



## Membership Meeting Minutes

### Meeting Minutes for 3/1/2023

#### Board Members Present:

KB8BKE – Ed Kopcak, President / Treasurer  
KE8HJL – Tom Revolinsky, Vice President / Secretary  
N8JKO -- Joe Koscovics, Board Member at-large

#### Attendees:

Ed KB8BKE	Tom KE8HJL
Rick W8QL	Jim AA8OY
Dale KG6WGO	Paul KE8PP
Niel NF1X	Bob N8KBX
Cal W8BZP	Martin KE8QWI
Mike WB8ZGH	Fran
Larry WB8PHI	Nate W10LE
Phil KC8JPU	Ron NU8N
Joe N8JKO	Dave KE8WOC
Evan W8LSQ	Mike KD8JDL
Bill N8WCL	Doug N8FRJ
John KB8YJY	

#### Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:39 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.

#### Speaker: N/A

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

- We are looking for speakers, any suggestions are appreciated.

#### New Business:

- Skywarn Training – Lake County EOC – March 8<sup>th</sup> go the National Weather Service Website.
- We are working on continuing the meetings at Tri Point instead of the History Center. More Info to follow.
- No new information from the Hamfest Committee.
- March 15<sup>th</sup> thru March 21<sup>st</sup> the State of Virginia is activating the Volunteers on the Air.
- March 19<sup>th</sup> thru March 25<sup>th</sup> is Severe Weather week.

#### Radio: Bill N8IJG:

- Nothing reported

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**Secretary Report:** Tom (KE8HJL)

- 41 total members paid so far this year.

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

- Treasury is in good shape

**Sunshine:**

- R. Jon Yagoda (KB8IRT) SK

**DX Report:** Jim (AA80Y)

- See in the Patch

**Public Service:** Mike (WB8ZGH)

- April 2<sup>nd</sup> - Spring Thaw in Mentor
- April 22<sup>nd</sup> NVIS
- May 7<sup>th</sup> Drop Run
- May 13<sup>th</sup> RV Hams in Berlin, Ohio

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

- Now open after being closed for the months of January & February

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

- Nothing to report

**VE Testing:** Don (WA8TWM)

- Nothing to report

**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:** \$17 Total – Neil winner: donated to the club – thank you

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

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

**45 Years Ago:** LCARA is born!! More news next month.

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Velcro is invented. Developed by Swiss engineer Georges de Mestral, who noticed how thistle burrs cling to his clothing during a hike in the mountains. Using a microscope, he discovered their natural hook-like shape, and worked with a local weaver to design a "locking tape". An important co-discovery was accidental - that nylon, when sewn under ultraviolet light, formed nearly indestructible hooks. The trademarked name Velcro comes from "vel" for velvet and "cro" from the French word crochet which means hook.

**40 Years Ago:** The FCC approves use of a new HF mode effective late January. AMTOR, similar to RTTY, verifies message content accuracy, permitting communication with much lower signal levels.

LCARA has hotel rooms available at the Dayton Hamvention for \$42.56

**35 Years Ago:** Special Event station N200BC is a success. Operating from 7 pm on February 26<sup>th</sup>, through 6:59 pm on March 4<sup>th</sup>, over 3000 QSOs are made. Surprisingly, HF contacts above 40 meters were 90% DX.

**30 Years Ago:** Bob, K8BL speculates on the "sky is falling" mentality that is pressuring the FCC to limit or ban RF emissions within a certain range of population centers. They'd never really do something that crazy, would they?

**25 Years Ago:** Like the buzzards returning to Hinckley or the swallows to San Juan Capistrano, the annual rite of spring known as the Lake County Hamfest brought amateur radio operators from Ohio, PA and NY back to Madison on March 22<sup>nd</sup>, for the 20<sup>th</sup> time. Despite cold WX and 1-2 inches of snow, over 100 bargain hunters were lined up at the door waiting for the Hamfest to open.

**20 Years Ago:** Grant Hedrick, N0XIL takes over as Patch editor, asking members to "keep your eyes peeled for new(s), additions and improvements."

**15 Years Ago:** The communications trailer is ordered.

The 2 Meter repeaters' transmit antenna dies. After 20+ years of loyal service, it is temporarily replaced by a Diamond F23A until the main antenna on top of the 60' tower can be replaced in warmer weather.

**10 Years Ago:** The March meeting is held at the EOC.

LCARA turns 35. Happy Birthday to us!!

**5 Years Ago:** The 220 repeater is down (and out). There are substantial problems with the very old repeater, and it is being checked out to see if it can be repaired, and at what cost.

Jim, AA8OY reports that propagation conditions remain very poor.

## DX Alert

by: *Jim Pyle AA8OY*



### April 2023 DX Alert

**3A – Monaco** - Special call 3A8AB is for the hundred years of the first shortwave telegraph connection from France to the US by pioneer operator F8AB from Nice. On the US end was "U1MO," in Hartford, Connecticut, Fred Schnell. The date was November 27, 1923. 3A8AB will be on the air April 1-30.

**JD1/O – Ogasawara** - JD1BQP, Koutarou Watanabe, will be on the air from the island April 29 to May 5 with his TS480HX and 200W on 6. He has antennas for 10-160 m-and will be operating SSB, CW, FT4 and FT8.

**T30 - Western Kiribati** - The Rebel DX Group have been issued the call sign T30UN for their upcoming activity. They plan to be QRV for "about 5 weeks of transmitting" from northern tip of Tarawa. The group will have two CW ops and a SSB op and will be manning seven FT8 stations. They will be active on 1.8 through 50 MHz They plan to have two FT8 stations on the same band at the same time on two different frequencies. One will be on the standard FT8 frequency while the other one will be operating Fox and Hound on a different frequency.

**9X – Rwanda**, A large group of operators will be QRV as 9X5RU near Kigali until April 7. Activity will be on 160 to 6 meters using CW, SSB, and FT8 with several stations. This includes being active in Satellite QO-100.

**D4 – Cape Verde**, Luca (HB9OBD) is QRV as D44KIT from Sal Island, IOTA AF-086, until April 5. Activity is holiday style on 40, 20, 15, and 10 meters using SSB and FT8.

**SU – Egypt**, Ahmed, 9K2QA is QRV as SU9GA from Cairo. He is active on 80 to 10 meters.

**Pacific Dxpeditions** Yesterday, SP9FIH (Janusz) and, (SP6CIK) (Leszek) informed us they are heading first to Niue Island starting March 26th until April 9 and then on to the Rarotonga, South Cooks starting April 12th. When they get to Rarotonga (OC-013), South Cook Islands they will use the calls E51WEG (Janusz), and E51CIK (Leszek). They plan to be QRV on 7 through 28 MHz

**JD1/M – Minami Torishima** - As of March 15th JG8NQJ, Take, is back on the island. He will be there for about two months and operating in his spare time as JG8NQJ/JD1. He will mostly be on CW and some FT8.

**HS – Thailand** - VK2BY, Bradley, will be back at his Thai QTH as HS0ZNR from April 7-28. Activity will be on 1.8 through 28 MHz

**HZ – Saudi Arabia** - World Amateur Radio Day is April 18. Special event station HZ1WARD will be QRV from April 12-18.

**V3 – Belize** - NN7A, Art, will be operating as V31JZ/p from South Water Caye (NA-180) from April 17-23.



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**VU – India** - AU40NRO in Hyderabad is a special call for the 40th anniversary of India's NIAR, National Institute of Amateur Radio. Look for AU40NRO April 1 to June 30.

**Z8 – South Sudan** - YI1DZ (Dia), got back to Juba March 13 and expects to be there until April 22, operating in his spare time on SSB and FT8, call sign Z81D.

Happy hunting!  
Jim, AA8OY

Thanks to Weekly Dx and ARRL DX

### **Upcoming Contests:** (from the OSJ/WA7BNM)

Apr. 1	RSGB FT4 International Activity Day	<a href="https://bit.ly/3TxCrxl">https://bit.ly/3TxCrxl</a>
Apr. 1-2	EA RTTY Contest	<a href="https://tinyurl.com/hsfd5buy">https://tinyurl.com/hsfd5buy</a>
Apr. 1-2	Florida State Parks on the Air	<a href="http://flspota.org">http://flspota.org</a>
Apr. 1-2	Louisiana QSO Party	<a href="http://laqp.org">http://laqp.org</a>
Apr. 1-2	Mississippi QSO Party	<a href="http://www.arlmiss.org">www.arlmiss.org</a>
Apr. 1-2	Missouri QSO Party	<a href="https://bit.ly/3rkA187">https://bit.ly/3rkA187</a>
Apr. 1-2	PODXS 070 Club 31 Flavors Contest	<a href="http://bit.ly/2SESbDg">http://bit.ly/2SESbDg</a>
Apr. 1-2	SP DX Contest	<a href="https://spdxcontest.pzk.org.pl/2023">https://spdxcontest.pzk.org.pl/2023</a>
Apr. 3	RSGB 80m Club Championship, CW	<a href="https://bit.ly/3TxCrxl">https://bit.ly/3TxCrxl</a>
Apr. 5	UKEICC 80m Contests SSB	<a href="https://ukeicc.com/80m-rules.php">https://ukeicc.com/80m-rules.php</a>
Apr. 5	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
April 8	QRP Spring QSO Party	<a href="http://www.qrpcontest.com">www.qrpcontest.com</a>
Apr.8-9	FT8 DX Contest	<a href="https://europeanft8club.wordpress.com">https://europeanft8club.wordpress.com</a>
Apr. 8-9	Georgia QSO Party	<a href="https://gagsoparty.com">https://gagsoparty.com</a>
Apr. 8-9	IG-RY World Wide RTTY Contest	<a href="http://www.ig-ry.de/ig-ry-ww-contest">www.ig-ry.de/ig-ry-ww-contest</a>
Apr. 8-9	JIDX CW Contest	<a href="http://www.jidx.org">www.jidx.org</a>
Apr. 8-9	New Mexico QSO Party	<a href="http://www.newmexicoqsoparty.org/wp">www.newmexicoqsoparty.org/wp</a>
Apr. 8-9	North Dakota QSO Party	<a href="http://www.ndarrlsection.com/index.html">www.ndarrlsection.com/index.html</a>
Apr. 8-9	OK-OM DX SSB Contest	<a href="http://bit.ly/3ioS3Cl">http://bit.ly/3ioS3Cl</a>
Apr. 8-9	Yuri Gagarin International DX Contest	<a href="http://gc.qst.ru/en/section/32">http://gc.qst.ru/en/section/32</a>
Apr. 9	Hungarian Straight Key Contest	<a href="http://hskc.ha8kux.com">http://hskc.ha8kux.com</a>
Apr. 9	International Vintage Contest HF	<a href="http://www.iv3ehh.it/vintage.htm">www.iv3ehh.it/vintage.htm</a>
Apr. 9	WAB 3.5/7/14 MHz Data Modes	<a href="http://bit.ly/31yE4kT">http://bit.ly/31yE4kT</a>
Apr. 10	144 MHz Spring Sprint	<a href="http://bit.ly/3XM4RpW">http://bit.ly/3XM4RpW</a>
Apr. 12	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Apr. 14-15	Holyland DX Contest	<a href="http://www.iarc.org/iarc/#HolylandContest">www.iarc.org/iarc/#HolylandContest</a>
Apr. 15	DARC Easter Contest	<a href="http://bit.ly/3bOk9pd">http://bit.ly/3bOk9pd</a>
Apr. 15	ES Open HF Championship	<a href="http://www.erau.ee/en/es-open-contests">www.erau.ee/en/es-open-contests</a>
Apr. 15	QRP to the Field	<a href="https://tinyurl.com/2s3zxah3">https://tinyurl.com/2s3zxah3</a>
Apr. 15-16	CQ Manchester Mineira DX Contest	<a href="http://www.cqmmdx.com/rules">www.cqmmdx.com/rules</a>
Apr. 15-16	Michigan QSO Party	<a href="https://miqp.org/index.php/rules">https://miqp.org/index.php/rules</a>

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Apr. 15-16	Ontario QSO Party	<a href="http://www.va3cco.com/oqp/rules.htm">www.va3cco.com/oqp/rules.htm</a>
Apr. 15-16	Texas State Parks on the Air	<a href="http://www.tspota.org">www.tspota.org</a>
Apr. 15-16	Worked All Provinces of China DX Contest	<a href="http://www.mulandxc.com/index/index">www.mulandxc.com/index/index</a>
Apr. 15-16	YU DX Contest	<a href="http://yudx.yu1srs.org.rs">http://yudx.yu1srs.org.rs</a>
Apr. 16	ARRL Rookie Roundup, SSB	<a href="http://www.arrl.org/rookie-roundup">www.arrl.org/rookie-roundup</a>
Apr. 18	222 MHz Spring Sprint	<a href="http://bit.ly/3XM4RpW">http://bit.ly/3XM4RpW</a>
Apr. 19	RSGB 80m Club Championship, SSB	<a href="https://bit.ly/3TxCrxl">https://bit.ly/3TxCrxl</a>
Apr. 19	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Apr. 22-23	SP DX RTTY Contest	<a href="https://tinyurl.com/yckz49rm">https://tinyurl.com/yckz49rm</a>
Apr. 23	BARTG Sprint75 Contest	<a href="http://bartg.org.uk/wp/contests">http://bartg.org.uk/wp/contests</a>
Apr. 23	North American SSB Sprint	<a href="https://ssbsprint.com/rules">https://ssbsprint.com/rules</a>
Apr. 24	RSGB FT4 Contest Series	<a href="https://bit.ly/3TxCrxl">https://bit.ly/3TxCrxl</a>
Apr. 26	432 MHz Spring Sprint	<a href="http://bit.ly/3XM4RpW">http://bit.ly/3XM4RpW</a>
Apr. 26	UKEICC 80m Contests CW	<a href="https://ukeicc.com/80m-rules.php">https://ukeicc.com/80m-rules.php</a>
Apr. 27	RSGB 80m Club Championship, Data	<a href="https://bit.ly/3TxCrxl">https://bit.ly/3TxCrxl</a>
Apr. 29-30	10-10 Spring Digital Contest	<a href="http://bit.ly/1FrFeBc">http://bit.ly/1FrFeBc</a>
Apr. 29-30	Florida QSO Party	<a href="http://www.floridaqsoparty.org">www.floridaqsoparty.org</a>
Apr. 29-30	Helvetia Contest	<a href="http://www.uska.ch">www.uska.ch</a>
Apr. 29-30	UK/EI DX Contest, CW	<a href="http://www.ukaicc.com/dx-contest-rules.php">www.ukaicc.com/dx-contest-rules.php</a>

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](http://www.aj8b.com/files)

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

	<p><b>04/15/2023 - <a href="#">Cuyahoga Falls Amateur Radio Club Hamfest</a></b>  <b>Location:</b> Cuyahoga Falls, OH  <b>Sponsor:</b> Cuyahoga Falls Amateur Radio Club, Inc.  <b>Website:</b> <a href="http://www.cfarc.org">http://www.cfarc.org</a>  <b>Learn More</b></p>
<p><b>04/22/2023 - <a href="#">Tusco Amateur Radio Club Hamfest, Electronics, and Computer Show</a></b>  <b>Location:</b> Dover, OH  <b>Sponsor:</b> Tusco Amateur Radio Club W8ZX  <b>Website:</b> <a href="http://www.w8zx.net">http://www.w8zx.net</a>  <b>Learn More</b></p>	<p><b>04/30/2023 - <a href="#">Athens Hamfest</a></b>  <b>Location:</b> Athens, OH  <b>Sponsor:</b> Athens County Amateur Radio Association  <b>Website:</b> <a href="http://www.ac-ara.org/">http://www.ac-ara.org/</a>  <b>Learn More</b></p>
<p><b>05/07/2023 - <a href="#">Lucas County Amateur Radio Emergency Service Trunk Sale and Swap Meet</a></b>  <b>Location:</b> Toledo, OH  <b>Sponsor:</b> Lucas County Amateur Radio EmergencyService</p>	<p><b>05/13/2023 - 05/17/2023 <a href="#">RV Radio Network</a></b>  <b>Location:</b> Berlin, Ohio, OH  <b>Type:</b> ARRL Operating Specialty Convention  <b>Sponsor:</b> RV Radio Network  <b>Learn More</b></p>

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

[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](#)

## Ohio Section News:

### 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, 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. Transmit power is limited to 100 watts.
3. 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)
4. Stations may originate a message to their ARES District net and to W8SGT reporting their location.
  - a. This message may take any form..
  - 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!

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- 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](http://WinLink.org).
- e. Operating frequencies are proposed to be in the 80 and 40 meter bands. Optimum frequencies centered around but not limited to: 3.902 and 7.240
- f. Digital messages may be passed to OHDEN Digital OHDEN frequency: 3585 (typical is Olivia 8/500)
- g. 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. Submit your results to [contest@n8ara.org](mailto:contest@n8ara.org)  
Have fun! Hope to hear you!

### **ARRL News:**

#### [The K7RA Solar Update](#)



Sunspot numbers were lower again this week, with the average declining from 143.6 two weeks ago to 118.7 last week and now 68 this week. Average daily solar flux sank 8 points from 153.6 last week to 145.6. Six new sunspot groups emerged over the week,... [Read More](#)

#### [CT Governor Proclaims April 16 – 22 Amateur Radio Recognition Week](#)



Connecticut Governor Ned Lamont has released an official statement, designating April 16 – 22, 2023, as Amateur Radio Recognition Week. [Read More](#)

#### [Amateur Radio Included in FEMA Guide for National Emergency Preparedness](#)



FEMA guidance, which provides a framework for communications resources within incident management, officially includes support from amateur radio operators. [Read More](#)

## Ham Radio Trivia Quiz

When applying for the WAC (Worked All Continents) award, the continental area referred to as "Oceania" includes what entities?

- A: All islands in the Atlantic Ocean
- B: Most of the Pacific Ocean islands
- C: The Arctic Ocean
- D: The West Indies Islands

In 1909 the Nobel Prize for the development of RADIO was shared between Guglielmo Marconi and another great scientist. What's his name?

- A: Karl Braun
- B: John Fleming
- C: Boris Rosing
- D: Alexander Popov

What year did U.S. amateurs gain access to the 12-meter band?

- A: 1979
- B: 1980
- C: 1981
- D: 1985

In the original definitions of Q-Codes, what would "QRL?" mean?

- A: Can you lower your code speed?
- B: Are you busy?
- C: Can you stand by?
- D: Are you a maritime station?

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, 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](http://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](mailto: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](http://www.w5yi.org) Click on "License Renewals" along the left side of the screen and follow the instructions. This costs \$8. Or mail a completed NCVEC Form 605 and \$8 to them at W5YI-VEC, PO Box 200065, Arlington, TX 76006-0065
4. You can do it yourself directly with the FCC. Google "FCC ULS" Click on "UNIVERSAL LICENSING 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](http://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





## 3<sup>rd</sup> Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is April 18th, 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 2<sup>nd</sup> 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)

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

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

### Wednesday

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

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

### Thursday

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

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

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

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

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

### Friday

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

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### 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](mailto: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](mailto:n8jko@outlook.com) >**

#### For Sale:

Flight Case: \$60.00  
The case is a Stellar Labs flight case, from the former MCM Electronics. It is a 4 rack space unit that has a 7 in high opening with rack rails. The case is 15 in deep and accommodates standard rack shelves. The unit has seen no real use and is in mint condition and includes one rack shelf. Price is \$60. Please contact by email.

**Cal Pengov < [cpengov@att.net](mailto:cpengov@att.net) >**

#### For Sale:

Mosely TA36  
Six element beam with rotor and manual \$250.00

Collins 30L-1  
HF Linear Amplifier with high output tubes with manual \$800.00



Since 1978

# April 2023

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
						1 VE Testing @ Kirtland
2  <i>Palm Sunday</i>	3 LC ARES Net 7:30pm	4	5 LCARA Meeting 7:30pm  <i>Passover Begins</i>	6 2 Mtr. Net 7:00pm  <i>Maundy Thursday</i>	7  <i>Good Friday</i>	8 Cuyahoga Falls Hamfest  <i>Holy Saturday</i>
9  <i>Easter Sunday</i>	10 LC ARES Net 7:30pm  <i>Easter Monday</i>	11	12 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	13 2 Mtr. Net 7:00pm  <i>Passover Ends</i>	14	15
16	17 LC ARES Net 7:30pm	18 3 <sup>RD</sup> Tuesday Breakfast	19 10 Mtr. Net 8:30pm	20 2 Mtr. Net 7:00pm	21	22 Tusco Hamfest NVIS Day
23	14 LC ARES Mtg. 7:30pm	25	26 10 Mtr. Net 8:30pm	27 2 Mtr. Net 7:00pm	28	29

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## QRZ Ham Radio Trivia Quiz Answers

When applying for the WAC (Worked All Continents) award, the continental area referred to as "Oceania" includes what entities?

- A: All islands in the Atlantic Ocean
- B: **Most of the Pacific Ocean islands (Correct Answer)**
- C: The Arctic Ocean
- D: The West Indies Islands

In 1909 the Nobel Prize for the development of RADIO was shared between Guglielmo Marconi and another great scientist. What's his name?

- A: **Karl Braun (Correct Answer)**
- B: John Fleming
- C: Boris Rosing
- D: Alexander Popov

What year did U.S. amateurs gain access to the 12-meter band?

- A: 1979
- B: 1980
- C: 1981
- D: **1985 (Correct Answer)**

In the original definitions of Q-Codes, what would "QRL?" mean?

- A: Can you lower your code speed?
- B: Are you busy?
- C: **Can you stand by? (Correct Answer)**
- D: Are you a maritime station?

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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 N9IJG/R Node #665499  
224.500 - 1.6MHz -PL tone of 141.3 Hz.  
444.650 + 5.0MHz -PL tone of 131.8 Hz.*