



## 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>

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



### **Patch Staff**

Editor: KB8BKE  
DX: AA8OY  
History: KO8O  
Sunshine: W8DMP

### **LCARA Board**

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

### **Standing Committees**

ARES/Public Service	Mike Goffos	WB8ZGH
Contest	Bob Liddy	K8BL
DX	Jim Pyle	AA8OY
Field Day Chair	Jim Pyle	AA8OY
Program Director	Joe Koskovics	N8JKO
LCHS Liaison	Bob Mekinda	K8QXO
History	Scott Farnham	KO8O
Publicity	Vance Roth	KA8YHZ
Repeater	N8IJG - KB8BKE	
Sunshine	Donna Wheeler	W8DMP
Trustee, N8BC	Bob Liddy	K8BL
Web Master LCARA	Bill Wihebrink	N8IJG

***Our next club Meeting: January 5th***

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## Message from the President

Greetings, fellow travelers

*Our next meeting will be January 5<sup>th</sup> and online. At this time we have no speaker planned.*

*I'd like to welcome Tom Revolinsky (KE8HJL) to our Board. He has generously agreed to help out and will be assuming the duties of club Secretary. Thanks Tom!*

*It's time to send in your dues for 2022. Thank you to those who have already renewed. We are at almost 50%. Cutoff for existing members is March 15<sup>th</sup>. LCARA sponsors many activities throughout the year, primarily focused on public service and education, to promote our hobby. Please consider helping out with one or more of our public or regular club events.*

*As the new year begins let's hope for better days ahead!*

.

Please stay safe and be well

'73

-Ed



## Membership Meeting Minutes for December 1, 2021

### Board Members Present:

KB8BKE – Ed Kopcak, President      W8DMP – Donna Wheeler, Secretary  
W8PJW – Paul Wheeler, Treasurer    N8JKO – Joe Koskovics, Director-at-Large

### Attendees:

Ed – KB8BKE	Donna – W8DMP
Paul – W8PJW	Joe – N8JKO
Mike – WB8ZGH	Rick – W8QL
Jim – AA8OY	Bob – K8BL
Tom – KE8HJL	Neal – NF1X
Jeff – WA8SAJ	Bill – (Call Sign N/A)
Cal – W8BZP	Don – WA8TWM
Ron – NU8N	Bob – N8KBX
Tim – (Call Sign N/A)	

### Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:31 p.m.
- This meeting took place as an online membership meeting using the Zoom platform.
- **President** – Ed (KB8BKE) mentioned:

Presentation Topic(s) (December 1, 2021) – Two presenters were scheduled for this meeting. Joe (N8JKO) and Ed (KB8BKE).

Ed (KB8BKE) introduced Joe (N8JKO) as the first presenter of the night. Joe's presentation was titled "Frugal Ham Tips – Cheap, And Proud Of It". Joe's presentation included valuable information for hams who are looking for deals, bargains, and leads that could not only make it more efficient for amateur radio operators, but also cost effective. Members had several questions and comments for Joe. We thank Joe for sharing his knowledge, experience, creative ideas, and suggestions with us.

Ed (KB8BKE) presented the 2022 Budget. A motion was made to accept the budget as presented. The motion was accepted by all members in attendance.

Elections For The Board of Directors – There will be three openings on the Board of Directors in January. Anyone interested in serving on the board should contact Ed (KB8BKE).

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Membership Dues – It is membership renewal time. Please take a moment to send in your 2022 LCARA membership renewal. The cost for membership dues remains the same as in 2021 (\$20 single/\$30 family).

Annual Holiday Dinner – A Holiday Dinner is not currently planned.

The Atlanta Radio Club is planning to host a special event station celebrating the anniversary of the birth of Clara Barton, Founder of the American Red Cross on December 4<sup>th</sup>.

- Additions and/or Corrections to the Patch: There are no additions/corrections to the Patch. A motion was made to accept the minutes as presented. The motion passed.

- **Treasurer Report:** Paul (W8PJW) reported:

Provided a Treasurer's Report (with highlights).

- **Secretary Report:** Donna (W8DMP) reported:

Two new member packets and one renewal confirmation letter was sent out in November. The names of our two new members are Tim Detling and Dave Randall. Please join me in welcoming Tim and Dave to LCARA.

- **Sunshine:** Donna (W8DMP) reported:

Nothing new to report.

- **DX:** Jim (AA8OY) reported:

DX Report:

BHUTAN, A5. Peter, HB9DVG is QRV as A52CC from Phodrang until December 21. Activity is on his spare time on the HF bands using SSB and FT8.

INDONESIA, YB. Special event stations 8H13H, 8H13U, 8H13T, 8G13T, 8G13A, 8G13N, 8G13G, 8G13S, 8G13E, and 8G13L will be QRV from November 26 to December 12 to commemorate the 13th anniversary of South Tangerang City. Activity will be on 80, 40, 20, 15, and 10 meters using SSB and FT8.

MOUNT ATHOS , SV/A. SV2RSG, Monk Iakovos, confirms there will be 160 meter activity from SV2RSG/A, Mount Athos, between December 1st and 7th. He may do some operating on other bands, and a priority is Monk Iakovos trying FT8 for the first time.

ZAMBIA, 9J - IK1MYT, Mario is back in Lusaka, callsign 9J2MYT. He says he's on the air now and will be into next June. Mario is on 40, 20, 18, 15 and 10 meters.

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KENYA, 5Z - 5Z4/HB9DSP, Ferdy De Martin, says this is his first ever DXpedition and it's December 2-16. He says he'll be on 20, 15 and 10. He'll be mostly SSB and "some FT8."

- **Events Public Service:** Mike (WB8ZGH)/Ed (KB8BKE) reported: There are not a lot of Public Service events scheduled to take place during the winter months. Mike (WB8ZGH) reminded the group of our club nets. These are the frequencies we will use if/when we have an emergency situation. Please feel free to join the club nets. Check-in's are always welcome.

- **Nets:**

Monday: 7:30 pm. – Lake County ARES Training Net – 147.210 (pl 110.9) – (b/u 147.255 – no pl)

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)

- **Lake County History Center:** Ed (KB8BKE) reported:

The Lake County History Center has their "Home For The Holidays" Kick-off Event coming up on December 2, 2021. We will be staffing the radio room. Feel free to stop by.

- **Director-at-Large Report:** Joe (N8JKO) reported:

Joe (N8JKO) is looking for presenters for upcoming meetings. Presentation/presenter ideas/suggestions from members are always welcomed and appreciated.

- **Other**

Don (WA8TWM) mentioned to the group that the next Lake County Amateur Radio Association VE testing session is scheduled to take place on Saturday, December 4, 2021 at the Kirtland library.

Jeff (WA8SAJ) mentioned Fritz (K8WLF)'s son applied for and has now assumed his father's call sign.

Meeting adjourned at: 8:45 p.m.

Donna (W8DMP)



## Sunshine Report

by Donna, W8DMP

Nothing to report at this time.



## Backscatter for January 2022

by: *Scott Farnham KO8O*  
*LCARA Historian*



### BACKSCATTER

**120 Years Ago:** Guglielmo Marconi, the son of an Italian country gentleman and Irish whiskey heiress, sends the first signal across an ocean.

Taking an early interest in physics and electricity, in the attic of his villa Marconi replicated Hertz's experiments on "Hertzian waves," detecting sparks in one circuit with another circuit a few meters away. By 1895 he had extended the range to 2 kilometers.

The young inventor kept working on improvements. He sent radio signals a distance of 12 miles in 1897 and across the English Channel in 1899. The following year, he received patent No. 7777 for "tuned or synchronic telegraphy." The concept was to use different frequencies to allow simultaneous transmissions without interfering with one another. The improved signal quality also increased the range of radio transmission.

Still, there was the issue of the curvature of the Earth. Many people believed that would limit radio to local use. Marconi set out to prove them wrong.

And that he did. Assistants telegraphed a prearranged signal, the letter S (dit dit dit) from Poldhu in Cornwall, southwestern England, to Marconi at Signal Hill, St. John's, Newfoundland, at 4:30 a.m. GMT on Dec. 12, 1901. An attempt the previous night had failed when a windstorm knocked down the antenna, which was held aloft by a balloon.

By sending a signal more than 2,100 miles across the Atlantic, Marconi convincingly demonstrated the practicality of worldwide wireless communication. In 1909, he shared the Nobel Prize for physics with Karl Ferdinand Braun of Germany, whose modifications to Marconi's transmitters made them strong enough to be practical.

**40 Years Ago:** With cable television just installed in Lake County, the TVI committee is formed, with Rusty, WA8HAR and Frank, KA8BJA as founders.

DX spots announced on .21 and .54 include 3B7 St Brandon, and YJ New Hebrides, aka Vanuatu.



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We are informed that January 4<sup>th</sup> is Burma (Mynmar) Independence Day, and January 24<sup>th</sup> is Economic Liberation Day in Togo. Also, January 18<sup>th</sup> is National Clean Up your Desk Day in the US.

Production of the 81/21 Ham-O-Gram is a team effort. It begins with editor Gary, KC8GN, using a TRS-80, who then transfers it by cassette to Bob, K8BL for printing. Finally it is hand carried to George, WD8OYQ for cutting, gluing, printing, stamping, and finally, mailing.

**35 Years Ago:** The Geauga County Radio Club's 147.015 repeater goes on the air. Located on a new 700 foot tower on Sperry Road, its coverage is excellent.

Solar flux levels sink further. Following levels in the 80's and 90's for several weeks, flux levels at the end of November fall to 74.

**30 Years Ago:** The December club meeting is cancelled due to severe weather conditions.

Bob, K8BL interrupts his usual QRM ES QRN ES QSB DE K8BL column to give the "10 Commandments of Ham Relations." Included is:

BE CONSIDERATE with the feelings of others. There are usually three sides to a controversy; yours, theirs, and the right side. If you have to think about whether you should say something over the radio, you probably shouldn't.

**20 Years Ago:** The FCC stops accepting license renewals through the mail due to recent Anthrax scares.

Patch Editor Ken Deken, KC8OHF includes the following 2001 events "so future readers of Backscatter (can) remember the happenings of late."

- Tora Bora is bombed relentlessly.
- Bin Laden still alive and well? Who knows?
- December temperatures through the 22<sup>nd</sup> are 20 degrees over the seasonal average.
- Gasoline prices are less than \$1.00 due partially to a new influx of Russian oil.
- Dow Industrials near 10,000
- The most popular Christmas gifts include Babblin' Boo Doll and DVD players.

**15 Years Ago:** LCARA meetings move from the Mentor Ice Arena building to the Painesville Red Cross.

The Red Cross institutes background checks for volunteers. This may or may not be related to the above item.

2006 Field Day results are announced, with LCARA finishing in the top 2% of the nearly 2200 stations participating, and fourth in our class. We're second in Ohio of all classes.

**10 Years Ago:** Mike, WB8ZGH reports the club trailer is progressing well, and will be stored in the new Lake County garage for the winter.

**5 Years Ago:** The FCC plans to shut down eleven field offices across the country. They do not anticipate any significant issues for the Amateur Service as a result, with OOs (Official Observers) serving as the first line of defense in Amateur Radio enforcement.

###

## DX Alert

*by: Jim Pyle AA8OY*



### DX Alert January 2022

**KERGUELEN ISLAND, FT#X** - FT4XW, Arthur, is working on Kerguelen Island until late next year has received word the FT4XW operation has been validated for DXCC.

**NEPAL, 9N**, 9N7AA (op S53R-Robert) is now in a new QTH and has a pair of vertical dipoles up from a fiberglass pole on the terrace of his top floor apartment. He has found the 17-meter band the best for him. His previous gear is still stuck in Kabul and he is trying hard to get it to Nepal.

**THAILAND, HS**. Brad, VK2BY is QRV as HS0ZNR from the Nam Yuen district until January 21. Activity will be on 80 to 10 meters, and possibly 160 meters, using CW, SSB, and FT8, with two or three stations active.

**TURKEY, TA**. Simon is temporarily QRV as TA4/G6JFY from Fethieye while waiting for his regular Turkish call sign.

**INDONESIA, YB**. Special event stations 7B2C, 7B2E, 7B2T, 7B2H and 7B2O are QRV until the end of October 2022 to celebrate the Javanese-Hindu Ceto Temple that was built in 1475. Activity is on 80, 40, 20, 15 and 10 meters using SSB and FT8.

**SENEGAL, 6W**. Jacques, F6HMJ will be QRV as 6W7/F6HMJ from December 29 to February 22, 2022. Activity will be on 40 to 10 meters using CW and SSB.

**MALDIVES, 8Q**. Tom, OE1TRI will be QRV as 8Q7TR from South Ari Atoll, IOTA AS-013, from December 28 to January 3, 2022. Activity will be holiday style on 80, 40, 20, 15, and 10 meters using SSB and FT8.

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**ENGLAND, G.** Members of the Denby Dale Amateur Radio Society will be QRV with special calls GB0HNY, GB1HNY, GB2HNY, GB4HNY, GB5HNY, GB6HNY, GB8HNY, and GB9HNY from December 28 to January 24, 2022, to celebrate the New Year 2022.

**JAPAN, JA.** Take, JI3DST will be QRV as JI3DST/6, JJ5RBH/6 and JS6RRR/6 from Tanega Island, IOTA AS-032, from December 25 to January 10, 2022. Activity will be on 80 to 2 meters using CW, SSB, RTTY, FM, FT8 and FT4.

**MACEDONIA, Z3.** Michael, DF8AN will be QRV as Z38/DF8AN from Skopje from December 29 to January 5, 2022.

Happy hunting!

Jim, AA8OY

Thanks to Weekly DX and ARRL DX

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

Dec. 30	YOTA Contest	<a href="http://www.ham-yota.com/contest">www.ham-yota.com/contest</a>
Dec.31-Jan.1	Bogor Old and New Contest	<a href="https://contest.orari-bogor.org">https://contest.orari-bogor.org</a>
Jan. 1	AGB New Year Snowball Contest	<a href="https://tinyurl.com/6fke5yb6">https://tinyurl.com/6fke5yb6</a>
Jan. 1	QRP ARCI New Year's Day Sprint	<a href="http://qrpccontest.com">http://qrpccontest.com</a>
Jan. 1	AGCW Happy New Year Contest	<a href="https://bit.ly/35nBqSR">https://bit.ly/35nBqSR</a>
Jan. 1	AGCW VHF/UHF Contest	<a href="https://bit.ly/3lw91PK">https://bit.ly/3lw91PK</a>
Jan. 1	ARRL Kids Day	<a href="http://www.arrl.org/kids-day">http://www.arrl.org/kids-day</a>
Jan. 1	ARRL Straight Key Night	<a href="http://www.arrl.org/straight-key-night">http://www.arrl.org/straight-key-night</a>
Jan. 1-2	Original QRP Contest	<a href="http://www.qrcc.de/contestrules/index.html">www.qrcc.de/contestrules/index.html</a>
Jan. 1-2	WW PMC Contest	<a href="http://bit.ly/2y2QWcc">http://bit.ly/2y2QWcc</a>
Jan. 5	UKEICC 80 M Contest SSB	<a href="https://ukeicc.com/80m-rules.php">https://ukeicc.com/80m-rules.php</a>
Jan. 5	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Jan. 8	PODSX PSKFest	<a href="http://bit.ly/2Qv3wKA">http://bit.ly/2Qv3wKA</a>
Jan. 8-9	ARRL RTTY Roundup	<a href="http://www.arrl.org/rtty-roundup">www.arrl.org/rtty-roundup</a>
<b>Jan. 8-9</b>	<b>EUCW 160m Contest</b>	<a href="http://www.eucw.org/eu160.html">www.eucw.org/eu160.html</a>
Jan. 8-9	YB DX Contest SSB	<a href="https://ybdxcontest.com">https://ybdxcontest.com</a>
Jan. 9	DARC 10-Meter Contest	<a href="http://bit.ly/2pCiRo1">http://bit.ly/2pCiRo1</a>
Jan. 9	NRAU - Baltic SSB Contest	<a href="http://www.nraubaltic.eu">www.nraubaltic.eu</a>
Jan. 9	NRAU - Baltic CW Contest	<a href="http://www.nraubaltic.eu">www.nraubaltic.eu</a>
Jan. 12	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Jan. 15-16	Hungarian DX Contest	<a href="http://www.ha-dx.com/en/contest-rules">www.ha-dx.com/en/contest-rules</a>
<b>Jan. 15-16</b>	<b>NA CW QSOP</b>	<a href="http://ncjweb.com/naqp">http://ncjweb.com/naqp</a>
Jan. 15-16	UBA PSK63 Prefix Contest	<a href="http://bit.ly/2Oi8fsa">http://bit.ly/2Oi8fsa</a>
Jan. 15-17	ARRL Jan VHF Contest	<a href="http://www.arrl.org/january-vhf">www.arrl.org/january-vhf</a>

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<b>Jan. 22-23</b>	<b>BARTG RTTY Sprint</b>	<a href="http://bartg.org.uk/wp/contests">http://bartg.org.uk/wp/contests</a>
Jan. 22-23	North American SSB QSOP	<a href="http://ncjweb.com/nagp">http://ncjweb.com/nagp</a>
Jan. 26	UKEICC 80 M Contest CW	<a href="https://ukeicc.com/80m-rules.php">https://ukeicc.com/80m-rules.php</a>
<b>Jan. 28-30</b>	<b>CQWW 160M CW Contest</b>	<a href="http://cq160.com/rules.htm">http://cq160.com/rules.htm</a>
Jan. 29-30	REF CW Contest	<a href="https://tinyurl.com/78z37kdj">https://tinyurl.com/78z37kdj</a>
Jan. 29-30	Winter Field Day	<a href="http://www.winterfieldday.com">www.winterfieldday.com</a>

### **ARRL News**

**ARRL National Convention & Orlando HamCation® February 10-13, 2022**  
**Registration is Now Open**

#### **[Straight Key Night is January 1, 2022 \(UTC\)](#)**



The annual ARRL Straight Key Night (SKN) returns on New Year's Eve and New Year's Day, January 1, 0000 – 2359 UTC. [Read More](#)

#### **[ARRL to Oppose Forest Service Administrative Fees for Amateur Facilities](#)**



The US Forest Service is proposing to implement new annual administrative fees for communications use authorizations [Read More](#)

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



Tad Cook, K7RA, Seattle, reports: Solar activity was way up this week. [Read More](#)

#### **[WSJT-X Development Group Releases Version 2.5.3](#)**



The WSJT-X development group has announced the release of WSJT-X 2.5.3. [Read More](#)

*Ohio Hamfests*

2022

<p>01/16/2022 - <a href="#">Sunday Creek Amateur Radio Federation Hamfest</a> Location: Shade, OH Sponsor: club members Website: <a href="#">QRZ KC8AAV</a> <a href="#">Learn More</a></p>	<p>03/13/2022 - <a href="#">Winter Hamfest</a> Type: ARRL Hamfest Sponsor: Northern Ohio Amateur Radio Society <a href="#">Learn More</a></p>
<p>03/20/2022 - <a href="#">Toledo Mobile Radio Association Hamfest and Computer Fair</a> Location: Perrysburg, OH Sponsor: Toledo Mobile Radio Association Website: <a href="http://tmrahamradio.org">http://tmrahamradio.org</a> <a href="#">Learn More</a></p>	<p>04/09/2022 - <a href="#">Sixty-Sixth Cuyahoga Falls Amateur Radio Club Hamfest</a> Location: Cuyahoga Falls, OH Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. Website: <a href="http://www.cfarc.org/hamfest.php">http://www.cfarc.org/hamfest.php</a> <a href="#">Learn More</a></p>
<p>05/20-22/2022 - <a href="#">Dayton Hamvention</a> Location: Green County Fairgrounds, OH Sponsor: Dayton Amateur Radio Association Website: <a href="https://hamvention.org">https://hamvention.org</a> <a href="#">Learn More</a></p>	
<p>06/04/2022 - <a href="#">FCARC Summer Hamfest</a> Location: Wauseon, OH Sponsor: Fulton County Amateur Radio Club Website: <a href="https://k8bxq.org/hamfest">https://k8bxq.org/hamfest</a> <a href="#">Learn More</a></p>	<p>07/09/2022 - <a href="#">Mansfield Mid Summer Trunkfest</a> Location: Mansfield, OH Sponsor: Intercity Amateur Radio Club Website: <a href="http://www.w8we.org">http://www.w8we.org</a> <a href="#">Learn More</a></p>
<p>07/17/2022 - <a href="#">Van Wert Hamfest</a> Location: Van Wert, OH Sponsor: Van Wert Amateur Radio Club Website: <a href="http://W8FY.ORG">http://W8FY.ORG</a> <a href="#">Learn More</a></p>	<p>08/13/2022 - <a href="#">Cincinnati Hamfest</a> Location: Owensville, OH Sponsor: Milford ARC Website: <a href="https://CincinnatiHamfest.org">https://CincinnatiHamfest.org</a> <a href="#">Learn More</a></p>
<p>09/25/2022 - <a href="#">Cleveland Hamfest</a> Location: Berea, OH Sponsor: Hamfest Association of Cleveland Website: <a href="http://www.hac.org">http://www.hac.org</a> <a href="#">Learn More</a></p>	

## QRZ Ham Radio Trivia Quiz

What layer of the ionosphere is generally known to be responsible for "Short Skip" on 10m and up?

- A: D
- B: E
- C: F
- D: G

Where does the term "DX" originate?

- A: Required by the ARRL
- B: Adopted by the National DX Association
- C: Early telephone term for distant exchange
- D: First used by the RSGB

Which adjustment is most likely to improve a super-het receiver's signal to noise ratio?

- A: Increase AF Gain
- B: Decrease AF Gain
- C: Increase RF Gain
- D: Decrease RF Gain

### Special Bonus Question

What was the Titanic's call sign?

- A: GTN
- B: MGY
- C: T1T
- D: GWST

Answers on page 23

# New Year- One-Day Technician License

If you, a friend or a family member have been considering getting an Amateur Radio License; this is a great opportunity for a very meaningful New Year's Resolution!

The Cuyahoga Falls Amateur Radio Club is offering a “**One-Day Technician Licensing Class**”. This class will allow students to get their entrance level FCC Amateur Radio license. The class will require reading and pre-study by the students and will include a One-Day, Online Class. Potential students of all ages from any location are invited. Students must register via an online form to participate.

*For students to be successful in this class we suggest a multi-pronged approach:*

## 1. Before the One-Day session

- a. Completely read the free class text- *No-Nonsense Technician Class License Study Guide* by Dan Romanchik, KB6NU- [link](#)
- b. Take the Review Quizzes listed in Google Classroom
- c. Optional- view YouTube videos on Tech Licensing ([see list](#))
- d. After completing a few chapters, begin taking online sample exams
  - i. <https://hamexam.org>
  - ii. [www.eham.net/exams](http://www.eham.net/exams)
  - iii. <http://arrlexamreview.appspot.com>
  - iv. [www.qrz.com/hamtest](http://www.qrz.com/hamtest)

## 2. Attend the One-Day online session (Jan 8, 2022, from 8:30 AM to 5 PM)

## 3. Continue taking online sample exams

## 4. Take your actual exam as soon as possible after the one-day session (we will be providing a VE Test session at the Akron Public Library, Downtown Branch the day after the One-Day session on Jan 9, 2022 or you can take it near your location or even online)

For more information on Amateur Radio Licensing visit [tiny.cc/beaham](http://tiny.cc/beaham)

Class Registration- [tiny.cc/cfarc-1d-tech](http://tiny.cc/cfarc-1d-tech) (please register as soon as possible to get all of the links and information to begin studying, do not wait until the day of the online session!)

List of Optional YouTubes:

- Five Easy Steps to Get Your Ham Radio License - Ham Radio Q&A- [www.youtube.com/watch?v=9mcVLxQUSak](http://www.youtube.com/watch?v=9mcVLxQUSak)
- Dave Casler Technician License Series: T01- [www.youtube.com/watch?v=0mP-Qe2SYwI](http://www.youtube.com/watch?v=0mP-Qe2SYwI)
- RedWagonTechnology- Tech Lessons- [www.youtube.com/watch?v=II7BztRsPtc&list=PL\\_snojJqsfls15XKxhSIBjQFhJQfsFlsQ](http://www.youtube.com/watch?v=II7BztRsPtc&list=PL_snojJqsfls15XKxhSIBjQFhJQfsFlsQ)
- Hurst ARC- <https://youtu.be/0wwnOPaF1qI?t=503>



# HAM EXAMS RETURN TO THE KIRTLAND LIBRARY

The Lake County Amateur Radio Association is once again holding its **2022** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 5  
Saturday, April 2  
Saturday, June 4

Saturday, August 6  
Saturday, October 1  
Saturday, December 3

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 Goggling "NCVEC quick-form 605" and clicking on the url for a copy 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 apps.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 is \$15.00, and if you wish to pay by check, it should be made out to the ARRL/VEC.



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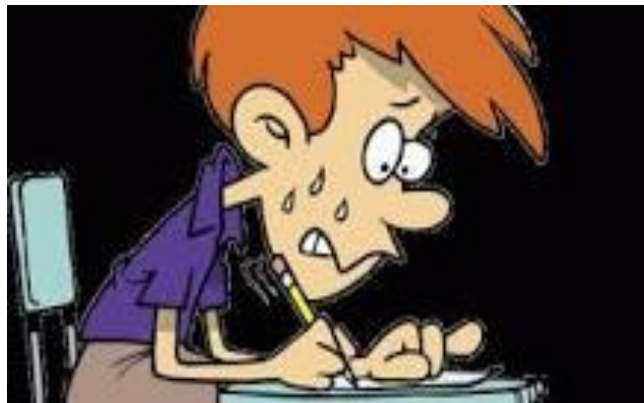
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Identification with your picture is also necessary, such as a driver's license. if you have any questions, please contact Scott Farnham, KO8O, at (440)256-0320, or [scottfarnham@roadrunner.com](mailto:scottfarnham@roadrunner.com)

Note that sometime in early 2022, the FCC plans to begin charging \$35 to add you to the Amateur Radio database. This will be payable directly to the FCC, but the timing is unknown.



###



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



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is **January 18<sup>th</sup>**, 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. It is a fun gathering.

**Due to the recent COVID variant upsurge and restrictions being uncertain, having facial covering may or may not be required. Seating with the group is currently limited to ten quests. Overflow guests will be seated within general restaurant seating. Check our website for the latest information.**



## 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

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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

21:30 – 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

20:00 – Ashtabula Radio Club 2 Meter Net – 146.715 (pl 141.3) – (Echolink 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)  
(Echolink - use- 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

21:30 – 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

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18:45 – Buckeye (early) – 3.580

### Sunday

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

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

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

16:00 – Drake Tech Net – 7.238 MHz

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

21:30 – Tri-County Traffic Training Net – 147.015 (pl 110.9)

###

### Sell, Seek or Trade

**Bill Somrak < [KB8EB@cooncat.net](mailto:KB8EB@cooncat.net) >**

1) Cushcraft **ATB-34** full size 4 element tri-band yagi antenna. Just taken down from tower as I am downsizing. Currently sitting on the ground in my back yard, assembled. I will give this antenna to someone for **FREE**, who is willing to disassemble it to fit their transport situation. **AND WILL USE IT.** Boom is 18 ft. long, but can separate into 3 sections. Elements vary from 28 ft. to 33 ft. but can separate into many sections .. all depends on what you have to transport it. I have 2 sets of assembly instructions that will go with it.

2) Yaesu FT-212RH 2 meter FM mobile radio (45W max). Mostly used as a Packet radio, but has seen some mobile use. Tested for power output recently, and finals are good w/manual \$35.

3) Yaesu FT-747GX HF all mode transceiver. Has full general coverage transmit & receive. Used primarily as a HF mobile rig, it can be used as a home station rig in conjunction with a suitable power supply (13.8v – 25amp) w/manual – \$250.

**Bill Wihebrink < 440-943-1703 >**

1) Drake TR7 –Transceiver, MS7 – Speaker, WH7 – Wattmeter, PS7- Power Supply, Filters- 1.8KC, 6 KC, 500 KC Manuals & Cables

2) Drake 4 B Line T4XB-Transmitter, R4B – Receiver, MS4 - Speaker & Power Supply, Additional crystals for bands: 10, 18, 24, 27 & 28

3) Icom 275H 100 watt all mode 2 meter transceiver

4) Yaesu FT 817ND

5) Swan 350C w/Power Supply & Cables & Manuals



Since 1978

# January 2022

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

## QRZ Ham Radio Trivia Quiz

### Answers

What layer of the ionosphere is generally known to be responsible for "Short Skip" on 10m and up?

A: D

B: E (is being the correct answer)

C: F

D: G

Where does the term "DX" originate?

A: Required by the ARRL

B: Adopted by the National DX Association

C: Early telephone term for distant exchange (is being the correct answer)

D: First used by the RSGB

Which adjustment is most likely to improve a super-het receiver's signal to noise ratio?

A: Increase AF Gain

B: Decrease AF Gain

C: Increase RF Gain

D: Decrease RF Gain (is being the correct answer)

### Special Bonus Question

What was the Titanic's call sign?

A: GTN

B: MGY (is being the correct answer)

C: T1T

D: GWST

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