



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

Patch Staff

Editor: KB8BKE
DX: AA8OY
History: KO8O
Sunshine:

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	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Open	
Trustee, N8BC	Bob Liddy	K8BL
Web Master LCARA	Bill Wihebrink	N8IJG

Our next club Meeting: April 6th

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Message from the President

Greetings, fellow travelers

Our next club meeting is April 6th and will be online. We are planning on returning to in person meetings starting in May. We will be finalizing plans for Field Day 2022 at this meeting. We are always seeking presenters for our meetings. If you would like to suggest someone, a topic you believe would be of interest to the group, or would like to give a talk yourself, please feel free to reach out to any board member.

April brings our first operating event of the year with NVIS Day, held at LCHS on the 23rd from at 10:00am until around 3:00pm.

Our first public service event, the 10 mile Drop Run from Concord to Fairport Harbor, is May 6th and we are looking for volunteers to help. Go to our website, www.lcara.org, and click on the "Events" tab to register. While you are there, please consider participating at one or more of our other club events. Contact myself, Mike or any board member if you are interested or for more information.

Sky Warn Spotter training classes are being offered by Cleveland NWS at various locations in person this year. Visit: <https://www.weather.gov/cle/SKYWARN> , to find a location convenient for you to attend.

Happy Easter everyone!

. Please stay safe and be well

'73

-Ed

Membership Meeting Minutes for February 2, 2022

Board Members Present:

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

Attendees:

Ed KB8BKE	Jeff WA8SAJ
Neal NF1X	Scott# N8SY
Mike WB8ZGH	Cal W8BZP
Larry WB8PHI	Don WA8TWM
Bob W2THU	Tom KE8HJL
Jim AA8OY	Paul W8PJW
Bill N8WCL	Joe N8JKO
Ron NU8N	Jeff K4DKW
Cathie AB8GV	Bob N8KBX
Jack KB8OF	Rick W8QL
Nathaniel W1OLE	

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:
 - Jeff WA8SAJ – Gave a presentation on how to replace the battery on an ICOM 7300. It is a tiny 3v, +12 VDC which powers the internal clock. He replaced it with a 2032 3v battery in a prewired holder and installed a diode to prevent charging.
 - Jeff WA8SAJ – also updated his Emergency Generator Power presentation to include solar panels to charge his batteries.
 - Perkins Breakfast (700 Mentor Ave, Painesville, OH 44077) on February 15th @ 8 am. Reservations not required
- 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:** ED (KB8KBE)
Provided a Treasurer's Report (with highlights). We have 40% of renewals.
- **Secretary Report:** Nothing reported
- **Sunshine:** Nothing reported

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

DX Report:

KC4 – Antarctica - At the KC4USV station, Christopher, W2RTO, is the station custodian until the end of February He will be operating FT8 mode.

KC4 – Antarctica - Michael, KC4/N4IFD, says he plans to only do FT8 during his time ashore from a cruise ship, maybe a total of four hours over six days he's there, starting about February 17, ice, wind, and seas permitting.

5B – Cyprus - DK6SP, Philipp, is moving to Cyprus temporarily and plans to be QRV as 5B4AQC in his spare time between January 27 and July 27.

A9 – Bahrain - BARS, the Bahrain Amateur Radio Society, will be on the air to highlight “Bahrain Sports Day,” call sign A91SD, February 3-9.

P4 – Aruba - K3DMG, Lee is back on Aruba and QRV as P4/K3DMG for “much of the winter”. He will be there until the end of March. Lee will be operating casually with an emphasis on CW, RTTY and digital modes.

Z2 - Zimbabwe - DJ7TF and DL7BO, call signs Z21A and Z22O, will go to Harare, February 3-20. They're planning 160-10 CW, SSB and FT8/4,

Z8 - South Sudan - YI1DZ, Diya, is again in Juba, callsign Z81D. He has been active on 40-10M FT8

Field Day is June 25 and June 26. We will be at the Lake County Historical Center. We will have access to the house and the field where we set up the trailer.

- **Events Public Service:** Mike WB8ZGH
 - National Public Lands Day - Garfield Home – April 16th
 - NVIS is April 13th at History Center
 - Mardi Gras Parade – July 1st
- **VE Testing:** Is this Saturday February 5th at Kirkland Library at noon for all license classes.
- **Ohio Legislative Liaison:** Bob W2THU: Nothing has changed on the status of the texting bill. The Ham Radio exemption is in the bill.
- **ARES :** Scott# N8SY has been placed on the Emergency Communications Field Services Committee to improve communications between Section Managers and Clubs.
- **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:

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Nothing to report

- **Director-at-Large Report:** Joe (N8JKO) reported: that the pavilion is reserved for this summer. He is looking for additional people to give presentations.

Meeting adjourned at: 8:01 p.m.

Tom (KE8HJL)

###



Sunshine Report

Nothing to report, which is good news!

Backscatter for April 2022

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

99 Years Ago: In 1923, radio pioneer Lee de Forest demonstrates his Phonofilm movie process for synchronizing sound to movies.

Inventors had been trying to link the phonograph and moving pictures for some time, but it was nearly impossible to synchronize the sound of the human voice with moving lips on the screen.

De Forest's idea was to place the sound recording directly on the film in an optical soundtrack. Analog blips of light represented sound frequency and volume.

A few weeks after de Forest's successful 1923 press demo, he premiered a selection of short subjects, and over the next few years equipped 30 theaters around the world with Phonofilm. De Forest didn't have a big budget for film production and couldn't seriously interest Hollywood in his invention. He'd solved the sound-synch issue, but his fidelity was subpar even by 1920s standards.

Other companies, including RCA and Western Electric were also developing sound-on-film, and their systems soon left de Forest's lo-fi Phonofilm in the acoustical dust. De Forest had also been unable to capitalize on his earlier work in vacuum-tube technology and voice-over-radio, over which he spent years in court fighting lawsuits and even staving off criminal charges of fraud.

Better late than never, the Academy of Motion Picture Arts and Sciences honored de Forest in 1959 with a special Oscar for the "pioneer invention which brought sound to the motion picture." He died two years later.

40 Years Ago: George, WD8OYQ describes the first hamfest, held four years earlier. A young LCARA with no money decided to put on a hamfest to raise some \$\$\$\$. But where did the initial funds come from? Two Hamfest Committee members loaned the club \$900 with no guarantee they would ever see it again if the hamfest was a bust.

35 Years Ago: On March 21st, Novice Enhancement arrived. Previously limited to CW on the HF Novice bands, Novices gained 28.3 – 28.5 MHz phone, as well as the 220 band, and 23 cm. In response, LCARA proposed a 220 repeater, to be funded out of hamfest profits.

30 Years Ago: Horace, N8LID describes a number of less well-known operating awards, including the WAV Award. This Worked all Vlads (WAV) award was for confirmed contacts with at least 10 operators with the name Vlad. The dupe sheet required the Vlad's mother's maiden name, along with the usual QSO data. The yearly Vlads from Vladivostok sprint was suggested as an excellent source of contacts. Extra points were available if the Vlad was using a homebrew rig drifting better than 2 kHz per minute.

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25 Years Ago: Jeff Covelli, WA8SAJ waxes ecstatic about the Astatic D-104 microphone. Introduced in 1933, it is still in production today. Unfortunately, the crystal design is incompatible with modern low input impedance rigs, so Jeff describes the use of a microphone preamp liberated from CB to resolve the problem.

Dee Logan, W1HEO reports that experts predict the new sunspot cycle 23 will top the maximum of 159 recorded during cycle 22. That was the third highest in recorded history. The mother of all cycles was 19, which peaked at 201 in November 1957.

20 Years Ago: Cathie McAdams, AB8GV reports that vendors purchased all available tables at the Hamfest. Spotted on vendors' tables were hot new items such as LED flashlights, and ancient relics like 1GB hard drives.

Fritz, K8WLF reports the 440 repeater's problem with an incorrectly switching PTT line has been fixed. The .21 system is functional, however the Concord input is down.

15 Years Ago: Of fifteen people upgrading to General at tests held at AES, ten are graduates from the LCARA General upgrade class.

Amateur radio operation from Iraq, YI, is suspended until further notice.

10 Years Ago: After a presentation by Vance KA8YHZ, plus considerable discussion, \$200 is approved in order to install Echolink/IRLP on the 444.65 repeater.

Donna W8DMP takes over as Patch editor.

5 Years Ago: Radio Shack, founded in 1921, files for bankruptcy for the second time in two years. At one time consisting of 5000 stores nationwide, the future of it's remaining 1743 retail outlets was uncertain.



DX Alert

by: *Jim Pyle AA8OY*



DX Alert April 2022

9H – Malta - 9H6CAP is a special event station, April 1 to June 30. The special call commemorates 80 years since the destruction of the Capuchin Monastery and church in Malta.

A2 – Botswana - VE7VR, Dave, has info on the plans for a Botswana trip, A25VR. Dave figures it's looking good now for April 28-May 26 using the call sign A2CEW. This coming trip will be three weeks and 2,000 kilometers of self-driving a 4X4 camping safari.

TX5N - Austral Islands - DX-pedition - The TX5N project is on schedule, plans to be on the air April 16 - April 28, 2022. The team will operate CW, SSB and Digital.

XE – Mexico - XE1KK, Ramon, plans to use special call X10X (Xray India Zero Xray mostly on digital modes throughout the rest of the year. It is believed this will be the first time the X10 prefix has been used.

9N – Nepal - Look for S57MK, Matjaz, here between April 2nd and 23rd. He plans to be QRV for 3- 4 days in Kathmandu as 9N7MK and other locations in the Everest region, Namche Bazar, Thame, Gokyo etc. Listen for him on 40, 20, 17, 15 meters and maybe other bands. He will be on data (FT8, VarAC, SSB and CW. He will be running off solar power when at higher altitudes (3500 meters ASL or higher).

VK9/N - Norfolk Island - VK3QB, Chris; VK3HJ, Luke; and VK6CQ, Alan; will be active from Norfolk Island (OC-005) from April 14-25 as VK9NT. They will be active on 160 through 10 meters, as well 6 meters on CW, some SSB and FT8 as time allows.

3A – Monaco - 3A5M commemorates the 100th anniversary of the passing of Albert I, Prince of Monaco, who lived from 1848-1922. ARM, the Association des Radio-amateurs de Monaco, will be on SSB, CW and digital modes, April 1 to May 31.

FG – Guadeloupe - F1ULQ, Jean-Luc, will be active from Guadeloupe Island as TO1Q from March 24 to April 6. Activity will be on HF and satellite. Listen for him on SSB and FT8.

JD1 – Minami Torishima - JG8NQJ/JD1 is again on from Marcus Island, OC-073. He works at the weather station, typically on a 3-month assignment and operates in his free time. He really favors 17M and may do some 40 and 30, plus 20, 15, 12, 10 and 6 CW, sometimes RTTY.

JX – Jan Mayen - JX7QY by LA7QY, Rune, should start within the next week or two and going to the beginning of October.

Happy hunting!

Jim, AA8OY

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****Field Day 2022 Bulletin****

In just a few months Field Day 2022 will be upon us. The date is June 25 & 26, 2022 at the Lake County Historical Society starting at 1800 UTC Saturday and ending at 1800 UTC Sunday. Due to other events at LCHS on the 25th, we will not have stations in the barn. However, the infirmary building has been cleared and we believe will be available for stations.

Field Day requires a club effort to be successful. The number of stations we operate will depend on the number of Station captains and propagation. Band conditions have been improving and it could be reasonable to operate 15, 20, 40 and 80 meters CW, Digital and SSB. Stations could be combined such as 15 and 20 meters SSB and 15 and 20 meters CW. 40 and 80 meter SSB and 40 and 80 meter CW will be separate stations.

Station captains are responsible for procuring the radios, computers, antennas and accessories. Each station requirements are shown below:

Station requirements

Each station needs:

- Some type of shelter
- Table and chairs
- An extension cord long enough to reach the generator
- Multi outlet connector
- Light
- Computer for logging
- Radio
- Headphones with a splitter
- Ground rod and wire to connect it to the radio.
- Personal needs (insect repellent, beverages, snacks, etc.)
- Operator log sheet

Generators, towers and Yagi antennas will be supplied by LCARA. Extra generators would certainly be appreciated in case the stations need to be spaced out. Tentative plans are to erect 30 ft. towers for the 15/20 meter SSB and CW stations. 40 and 80 meter stations will use dipoles

Please send me an email (AA8OY@ARRL.NET) with your name and what you are volunteering to do. The following are jobs in search of people:

Station Captains (3 to 6)

Safety Officer (1)

Set up crew (7 to 10)

Tear down crew (7 to 10)

Chef (1 to 2)

Coffee Maker & Chef assistants (1 to 2)

Station operators (Lots)

Generator checkout and gas purchase (Club reimburses gas cost) (1 to 2)

Public relations (1 to 3)

Site Visitation letter to an elected governmental official

Site Visitation letter to a representative of an agency

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Face book posting
Copy Field Day message
Display boards explaining Amateur Radio
Youth Participation

More detailed information will be forthcoming.

Jim, AA8OY

###

Upcoming Contests: (from the OSJ/WA7BNM)

Mar. 30	UKEICC 80m Contests CW	https://ukeicc.com/80m-rules.php
April 15	Holyland DX Contest	
April 23	10-10 Intl. Spring Contest, Digital	
May 28-29	CQWW WPX CW Contest	www.cqwp.com

###

Ohio Hamfests

2022

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<p>04/09/2022 - Sixty-Sixth Cuyahoga Falls Amateur Radio Club Hamfest Location: Cuyahoga Falls, OH Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. Website: http://www.cfarc.org/hamfest.php Learn More</p>	<p>04/24/2022 - Athens Hamfest Location: Athens, OH Sponsor: Athens County Amateur Radio Association Website: http://www.ac-ara.org/ Learn More</p>
<p>04/25/2022 - 04/29/2022 RV Radio Network Spring Rally Location: Millersburg, OH Sponsor: RV Radio Network Website: http://rvradionetwork.com Learn More</p>	<p>05/01/2022 - Lucas County Amateur Radio Emergency Service Trunk Sale and Swap Meet Location: Toledo, OH Sponsor: Lucas County Amateur Radio Emergency Service Website: http://tinyurl.com/lcaresswap Learn More</p>
<p>05/20-22/2022 - Dayton Hamvention Location: Greene County Fairgrounds, OH Sponsor: Dayton Amateur Radio Association Website: https://hamvention.org Learn More</p>	<p>05/28/2022 - Scioto Valley Amateur Radio Club Hamfest Location: Piketon, OH Sponsor: Scioto Valley Amateur Radio Club Learn More</p>
<p>06/04/2022 - FCARC Summer Hamfest Location: Wauseon, OH Sponsor: Fulton County Amateur Radio Club Website: https://k8bxq.org/hamfest Learn More</p>	<p>07/09/2022 - Mansfield Mid Summer Trunkfest Location: Mansfield, OH Sponsor: Intercity Amateur Radio Club Website: http://www.w8we.org Learn More</p>
<p>07/17/2022 - Van Wert Hamfest Location: Van Wert, OH Sponsor: Van Wert Amateur Radio Club Website: http://W8FY.ORG Learn More</p>	<p>08/13/2022 - Cincinnati Hamfest Location: Owensville, OH Sponsor: Milford ARC Website: https://CincinnatiHamfest.org Learn More</p>

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09/17/2022 - [Mound Amateur Radio Assoc. Swap](#)

[Meet](#)

Location: Miamisburg, OH

Sponsor: MARA

Website: <http://W8DYY.ORG>

[Learn More](#)

09/25/2022 - [Cleveland Hamfest](#)

Location: Berea, OH

Sponsor: Hamfest Association of Cleveland

Website: <http://www.hac.org>

[Learn More](#)

###

ARRL News

ARRL website is unavailable due to undergoing an upgrade at this time.

###

QRZ Ham Radio Trivia Quiz

What is the other name most often associated with the development of the YAGI antenna?

- A: Parasitic
- B: Uda
- C: Horizontal
- D: Beam

What was the first commercial radio station to go on the air in the United States?

- A: WLS Chicago, IL
- B: KFBK Sacramento, CA
- C: WJR Detroit, MI
- D: KDKA Pittsburgh, PA

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Which of the following claimed to have received signals from Mars?

- A: Einstein
- B: Steinmetz
- C: Tesla
- D: Hertz

In the heyday of the telegraph, how many wires were used to form a single telegraph circuit?

- B: 1
- C: 2
- D: 3

What is the Mark tone frequency for RTTY

- A: 850 HZ
- B: 2295 HZ
- C: 2125 HZ
- D: 170 HZ

Answers on page 23



HAM EXAMS AT THE KIRTLAND LIBRARY

The Lake County Amateur Radio Association's VE Team will be holding amateur radio license exam sessions on the following dates during 2022:

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.). The Kirtland Public Library is located at 9267 Chillicothe Road, 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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Identification with your picture, such as a driver's license is also necessary. Please contact Scott Farnham, KO8O, at (440)256-0320, or scottfarnham@roadrunner.com, if you have any questions,

***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.

*****FCC to Charge for Ham Licenses***** *but wait ... no charge for upgrades*

In mid-March the FCC announced that April 19 will be the effective date for the long ~~threatened~~ promised charge for new licenses, as well as some modifications to existing licenses. The \$35 fee will be paid directly to the FCC.

There will be no charge for name, address, or e-address changes, and in a change of heart, they are now saying there will be no charge for upgrades either.

Test takers will still be charged the current \$15 test fee, and new licensees will be e-billed by the FCC through their CORES-FRN registration system in order to be added to the amateur database. The fee must be paid within 10 calendar days.

Renewals will still be affected by the charge, so if your existing license will expire with the next 90 days, you might think about beating the new cost by renewing NOW at the FCC's ULS website via the License Manager system at:

<https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>



3rd Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is on April 19th, 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. Catch up of the latest gossip from your friends. It is a fun gathering.



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)

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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

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

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

18:45 – Buckeye (early) – 3.580

Sunday

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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

For Sale:

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

Being Sought:

John Boban (KB8YJY)

Tri-Band beam antenna



Since 1978

April 2022

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

QRZ Ham Radio Trivia Quiz

Answers

What is the other name most often associated with the development of the YAGI antenna?

- A: Parasitic
- B: **Uda (Correct Answer)**
- C: Horizontal
- D: Beam

What was the first commercial radio station to go on the air in the United States?

- A: WLS Chicago, IL
- B: KFBK Sacramento, CA
- C: WJR Detroit, MI
- D: **KDKA Pittsburgh, PA (Correct Answer)**

Which of the following claimed to have received signals from Mars?

- A: Einstein
- B: Steinmetz
- C: **Tesla (Correct Answer)**
- D: Hertz

In the heyday of the telegraph, how many wires were used to form a single telegraph circuit?

- B: **1 (Correct Answer)**
- C: 2
- D: 3

What is the Mark tone frequency for RTTY

- A: 850 HZ
- B: 2295 HZ
- C: **2125 HZ (Correct Answer)**
- D: 170 HZ

The *PATCH*, Published by the Lake County Amateur Radio Association

Amateurs Code

By Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE..... Never knowingly operate in such a way as to lessen the pleasure of others.

LOYAL..... Offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE..... With knowledge abreast of science, a well built and efficient station and operation beyond reproach.

FRIENDLY..... With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED..... Radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC..... With station and skill always ready for service to country and community.

LCARA was organized for the purpose of furthering Amateur Radio by increasing the technical knowledge and operating proficiency of radio amateurs through continuing education, public service and acting as a vehicle of communication by, between and with the members of the association. LCARA is an incorporated association chartered under the laws of the State of Ohio and is an exempt organization under section 501(c)(3) of the Internal Revenue Code. Contributions to LCARA are fully deductible from Federal Income Tax. Regular and Senior Dues are \$20.00 per year, Family (household) \$30.00, Students \$10.00. Items may be reprinted by other non-profit publications without prior permission providing credit is given to the original source and The LCARA Patch. Articles from members are welcome.

The Lake County Amateur Radio Association

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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.*