



The LCARA Patch



10 METER ROUNDTABLE
WEDNESDAY @ 20:30 HRS
28.450 MHz

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

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



LCARA Board

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

Patch Staff

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

Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
Contest	Bob Liddy	K8BL
DX	Jim Pyle	AA8OY
Field Day Chair	Jim Pyle	AA8OY
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: July 6th
At the Lake County Historical Society***

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Message from the President

Greetings, fellow travelers

June has been a very busy month for our club and ARES group. Volunteers have contributed slightly more than 514 hours of personal time and sweat in support of three public service events and other activities. Their efforts and dedication to promoting ham radio are commendable and worthy of acknowledgement. Thank you all for your willingness to participate.

This Friday, July 1st, we will again be assisting with the "Fairport Harbor Mardi-Gras Parade". It's quite a big deal for the area, not just the locals, with many folks coming into town to view the event. And we've been asked to help Lake Metroparks with their "Pirate Triathlon", also in Fairport, on July 17th. Although this swim, bike then run event has been held for many years, this will be our first time participating. Help is needed so please consider signing up.

Our July meeting will be on July 6th at LCHS and will feature a presentation from our own Tom Revolinsky (KE8HJL). Tom as some of you know is the Disaster Program Manager for the Northeast Ohio Chapter of the American Red Cross and will speak about the role of the Red Cross in disaster relief. Hope you can join us!

Our club picnic is slated for August 3rd and will again be at Daniel's Park in Willoughby. LCARA will provide the burgers and dogs (and maybe some grilled Italian sausages), pop, ice and chips. Sides and desserts are up to you. Please contact Joe (N8JKO) or myself if you have any questions or to sign up. You can also register on our website. We do need to know how many are planning on attending.

Hope you all have a great 4th of July weekend!

. Please stay safe and be well

'73

-Ed

Membership Meeting Minutes for June 1st, 2022

Called to order at: 7:30 PM

Officers present: Ed KB8BKE Joseph N8JKO

Members Present: Mike WB8ZGH & Fran, Larry WB8PHI, Bob K8BL, Jim AA8OY, Cal W8BZP, Neal NF1X, Bob K8QXO, Tom KD8SJG

Presenter: Tony Emanuel K8ZR **Presentation topic:** Microwave and Amateur Radio

Corrections / additions to meeting minutes as recorded in the Patch: None

Motion to approve the minutes: Mike WB8ZGH **Seconded:** Bob K8BL **Approved:** Yes

Any other corrections / additions to the Patch: None

Secretary Report: No Report

Treasurer Report: Ed KB8BKE indicated the Treasury was in good shape

Director-at-Large Report: Picnic is a go. Please expect a signup sheet at the July meeting.

Radio Officer Report: Housekeeping on 147.210 continues. Minor issue with an occasional carrier on the 147.255 repeater.

DX: {Jim-AA8OY}: JD1/O – Ogasawara Islands JA0JHQ, Nobu, updates us on his current activity from Chichijima Island, Ogasawara where he will be QRV as JD1BOW, from May 27 to June 19.

ZC4 - UK Sovereign Base Areas on Cyprus ZC4RH and 5B4/G4WXJ, Dave Harnett, will be active June 5-15, SSB, CW, probably also some FT8 and the QO-100 satellite too.

6O – Somalia. 6O1OO (EP3CQ), Ali, is there “in country” until June 5. He will then be away until June 15 “on Rampur.” . Return to Somalia is June 16 for a one-month stay there.

9X – Rwanda. 9X2AW with DF2WO, Harald, operating, is set for June 1 22. Harald is making a 160M antenna and plans to make a hex beam using bamboo poles, to cover 20, 17, 15 and 10M. Also planned are dipoles. CW, SSB, RTTY and FT8 are expected by Harald.

TR – Gabon. OM F8EN , Roland, is again now QRV as TR8CR. At this time he is mostly operating during his evenings on 30 meters. He is celebrating his 94th birthday in Gabon and will be there until the end of July. Listen for him on CW and on 40, 30, 20 and 17 meters.

3D2/R – Rotuma Island - The 3D2RRR DXpedition team began last Tuesday just before 0500Z. So far activity has been reported on FT8 on 10, 12, 17 and 20 meters.

FO - French Polynesia - FO/4Z5LA, Ros, is now active from Tahiti.

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Field Day: (Jim-AA8OY): Still have several station assignments available, including 3 station officers, 1 safety officer, coffee officer, and other positions. There is also a need for setup and teardown assistance. The trailer will handle 75 meters. Unfortunately, the barn is off limits this year. The Field Day sign up forms will be circulated by email as well to allow for LCARA members to review and volunteer.

Public Service: (Mike-WB8ZGH): 10 Mile Drop in June, as well as "Hill Yeah!" At the time of the meeting, the Bike Ride in June was questionable, but please stay tuned.

LCHS (Bob-K8QXO): None

ARRL Liaison (Bob-W2THU) : None

Nets:

ARES Net: (Joe-N8JKO): No difficulties, but we would love to hear more members check in, as well as non-LCARA members.

2 Meter Net (Ed-KB8BKE / Bill-N8IJG): None

10 Meter Net {Mike-WB8ZGH}: Light turn out on 10-meters this last week.

Sunshine: None

Old Business: None

New Business: None

50/50: Raffle winner: Neil NF1X won the Portable Antenna Book,
Joe N8JKO won the 2012 ARRL Handbook
Bob K8QXO won the cash prize and donated it back to LCARA

Meeting adjourned at: 8:30PM

Submitted by: Joe N8JKO



Sunshine Report

Nothing to report



Backscatter for July 2022

by: *Scott Farnham KO8O*

LCARA Historian

BACKSCATTER

2262 Years Ago: 240 B.C.: Greek astronomer, geographer, mathematician and librarian of the library of Alexandria, Egypt, Eratosthenes calculates the Earth's circumference, claiming it is big and round.

He knew that at noon on the day of the summer solstice, the sun was observed to be directly overhead at Aswan, as one could see the sun shining to the bottom of a deep well, and a sundial cast no shadow. Yet, to the north at Alexandria, a sundial cast a shadow even at the solstice midday, because the sun was not directly overhead there. Therefore, the Earth must be round — already believed by the astronomers of his day.

What's more, if one assumed the sun to be sufficiently far away to be casting parallel rays at Aswan and Alexandria, it would be possible to figure out the Earth's circumference. Eratosthenes computed the shadow in Alexandria to be 1/50 of a full 360-degree circle. He then estimated the distance between the two locations and multiplied by 50 to derive the circumference.

Of course, his measurements were not precise. Alexandria is not due north of Aswan, but 2 degrees of longitude off. Aswan is not precisely on the Tropic of Cancer but 39 minutes of latitude north of it. The distance between the cities was an estimate.

And we don't know today the exact size of the measurement unit Eratosthenes used when he came up with the final figure of 252,000 stades. Depending on which classical source one trusts, his estimate was somewhere between 24,663 and 27,967 miles. The accepted figure for the Earth's equatorial circumference today is 24,902 miles, which was pretty good for a guy without modern measurement tools.

Eratosthenes went further and computed the tilt of the Earth's axis to within a degree. He also deduced the length of the year as 365¼ days, and suggested that calendars should have a leap day every fourth year, an idea taken up two centuries later by Julius Caesar.

It was thus known long before Columbus that the Earth was round and even how big it is, approximately. But it was just not widely known among the masses in 15th-century Europe.

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40 Years Ago: Disappointed with repeater coverage in eastern Lake County, Fred K8UET, Joe W2TSI, and Clancy K8NMZ form a committee to create a Madison input.

Scott, N8CYZ discusses how to operate "Moped Mobile." He includes nuances such as how not to "swing your leg over the back of the moped and de-whip your whip.

35 Years Ago: Mike, WA8BXN describes the hot packet setup; a Kantronics KPC-2 with a Commodore C-64 computer.

Happy Birthday! President Don, WA8TWM's family increases by one with the birth of Christopher Robert Kocsis.

30 Years Ago: Digital processing meets ham radio with the JPS NF-60 automatic notch filter. Dee, W1HEO says it "is the answer to those who must deal with the increasing number of jammers and nerds who haunt rare DX these days.

In a "Special Hamvention Edition" of the DX Bulletin, Clod Harris reports the ARRL has lost the DXCC data base. This unfortunate occurrence is just two days after all paper records had been incinerated. He also reports that the VOA has acquired the K5UR contest station, stating this will both save money, and "result in a much stronger signal into nearly every corner of the globe."

25 Years Ago: Lenny, WS8O is appointed Emergency Coordinator for Lake County.

Opening July 11th, the movie "Contact" includes a cameo appearance by a ham shack.

Ex DX: Hong Kong VS6 goes QRT as the former British Crown colony becomes part of the People's Republic of China.

Missed deadline: ICOM introduces the IC-706 MKII at Dayton, unfortunately lacking FCC approval.

20 Years Ago: June's meeting features a demonstration of SSTV by Bill Chaikin, KA8VIT and Mike DiTurno, KC8OWL, using a "garden variety PC with a soundcard.

The club roster indicates 88 members.

15 Years Ago: Radio Officer Matt KB1LCS reports the Thompson site no longer exists.

10 Years Ago: The program at LCARA's June meeting was Radio Frequency Use in RC Model Aircraft Flying, presented by members of the Mentor Area Radio Control Society.

5 Years Ago: After a number of years as editor of The Patch, Ron Corban KC8BTN steps down.

DX Alert

by: *Jim Pyle AA8OY*



VK0 – Macquarie Island - VK0MQ, Matt, has a work assignment there and is on the air now until October, mostly on weekends. He is enjoying FT8, typically fox/hound mode. Here are frequencies he likes to go to: 3567, 7056, 10131, 14083, 18095, 21091, 24911, 28091.

OJ0 - Market Reef - An operation set to go to July 6 is OJ0JR (R) with OH3JR operating, and OJ0MR (L) with OG2M at the radio. OJ0JR will be on HF and OJ0MR mostly on 6M FT8, CW and SSB.

3D2 – Fiji - 3D2USU (aka 3Z9DX), Dom, has announced his plans to change his call in honor of the late JH1AJT, Zorro Miyazawa. Dom will be operating from Nadi as 3D2AJT as “the Stations will be active for one month and will close on Zorro's 73rd birthday on July 27th”.

5X – Uganda - 5X3R is on the air again, scheduled to continue to July 13. The op is Elvira, IV3FSG.

7X – Algeria - In addition to 7R19MG and 7Y19MG we now know 7U19MG will also be QRV during the 2022 Mediterranean Games officially called the 19th Mediterranean Games but also known as Oran 2022. Listen for these special event stations from June 25 to July 5.

TG – Guatemala - VE7BV, Dwight, is back at TG9BBV until July 4.

Happy hunting!

Jim, AA8OY

Thanks to ARRL DX and Weekly DX

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Upcoming Contests: (from the OSJ/WA7BNM)

July 1	RAC Canada Day Contest	www.rac.ca/contesting-results
July 2	Venezuelan Ind. Day Contest	https://bit.ly/3NDZghb
July 2-3	Original QRP Contest	www.qrpcc.de/contestrules/index.html
July 2-3	Marconi Memorial HF Contest	www.arifano.it/contest_marconi.html
July 2-3	NZART Memorial Contest	https://bit.ly/3wYqvx1
July 2-3	PODXS 070 Club 40 Meter Firecracker Sprint	http://bit.ly/2FUmeOL
July 4	RSGB 80m Club Championship, CW	https://bit.ly/31qpcJl
July 6	VHF-UHF FT8 Activity Contest	www.ft8activity.eu/index.php/en
July 9-10	10-10 Int. Weak Signal QSO Party	http://bit.ly/1FrFeBc
July 9-10	IARU HF Championship	www.arrl.org/iaru-hf-world-championship
July 9-10	Veron SLP Contest	http://bit.ly/2L9eT1L
July 10	QRP ARCI Summer Homebrew Sprint	www.qrparci.org/contests
July 13	RSGB 80m Club Championship, SSB	https://bit.ly/31qpcJl
July 13	VHF-UHF FT8 Activity Contest	www.ft8activity.eu/index.php/en
July 16-17	CQWW VHF Contest	www.cqww-vhf.com
July 16-17	IARU Region 1 70 MHz Contest	https://bit.ly/3r1kqvT
July 16-17	North American RTTY QSO Party	http://ncjweb.com/NAQP-Rules.pdf
July 17	CQC Great Colorado Gold Rush	https://tinyurl.com/y8dh6xwy
July 17	RSGB International Low Power Contest	https://tinyurl.com/yckwshsr
July 18	RSGB FT4 Contest Series	https://bit.ly/31qpcJl
July 20	VHF-UHF FT8 Activity Contest	www.ft8activity.eu/index.php/en
July 23	YOTA Contest	www.ham-yota.com/contest
July 28	RSGB 80m Club Championship, Data	https://bit.ly/31qpcJl
July 30	WAB 144 MHz Low Power Phone	http://bit.ly/31yE4kT
July 30-31	RSGB IOTA Contest	https://tinyurl.com/yc8dzhh7
July 31	ARS Flight of the Bumblebees	http://arsqrp.blogspot.com

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

Upcoming Ham Fests

Ohio Hamfests

2022

07/09/2022 - [Mansfield Mid Summer Trunkfest](#)

Location: Mansfield, OH

Sponsor: Intercity Amateur Radio Club

Website: <http://www.w8we.org>

[Learn More](#)

07/16/2022 - [NOARSFEST](#)

Location: Elyria, OH

Sponsor: Northern Ohio Amateur Radio Society

[Learn More](#)

07/17/2022 - [Van Wert Hamfest](#)

Location: Van Wert, OH

Sponsor: Van Wert Amateur Radio Club

Website: <http://W8FY.ORG>

[Learn More](#)

08/06/2022 - [Columbus Hamfest](#)

Location: Grove City, OH

Sponsor: Aladdin Shrine Audio Unit

Website: <http://columbushamfest.com>

[Learn More](#)

08/13/2022 - [Cincinnati Hamfest](#)

Location: Owensville, OH

Sponsor: Milford ARC

Website: <https://CincinnatiHamfest.org>

[Learn More](#)

08/21/2022 - [Warren ARA Tailgate Swap Meet](#)

Location: Cortland, OH

Sponsor: Warren ARA

Website: <http://facebook.com/w8vtd>

[Learn More](#)

09/11/2022 - [Findlay Hamfest](#)

Location: Findlay, OH

Sponsor: Findlay Radio Club

Website: <https://www.findlayradioclub.org/>

[Learn More](#)

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

Location: Miamisburg, OH

Sponsor: MARA

Website: <http://W8DYY.ORG>

[Learn More](#)

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

Location: Berea, OH

Sponsor: Hamfest Association of Cleveland

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

[Learn More](#)

10/30/2022 - [Massillon Hamfest \(OH\)](#)

Location: Green, OH

Sponsor: Massillon Amateur Radio Club

Website: <http://w8np.org>

[Learn More](#)

12/03/2022 - [FCARC WinterFest](#)

Location: Archbold, OH

Sponsor: Fulton County Amateur Radio Club

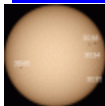
Website: <https://k8bxq.org/hamfest>

[Learn More](#)

###

ARRL News

[The K7RA Solar Update](#)



This past reporting week (June 16-22) began with a bang, when the daily sunspot number was 159. [Read More](#)

[FCC Proposes Record \\$34,000 Fine for Alleged Interference and Unauthorized Transmissions During Idaho Wildfire](#)



The FCC has proposed a \$34,000 fine against Jason Frawley of Lewiston, Idaho, for allegedly interfering with radio operations of the U.S. Forest Service during firefighting activities for the Johnson Creek Fire. [Read More](#)

QRZ Ham Radio Trivia Quiz

What part of the early MODEL 'T' FORD car was used by hams as a part of their spark transmitter?

- A: The headlight elements
- B: The battery
- C: The distributor points
- D: The wood encased ignition coil.

What does "RG" (as in RG-213, RG-11, RG-8 coax) stands for?

- A: Radio Guide
- B: Rodgers and Guilderson
- C: Reactance Grade
- D: Reliability Gauge

Winding coils in the old days, sometimes we used a copper wire that was called DCC. What does DCC mean?

- A: durable copper compound
- B: double cotton covered
- C: double copper core
- D: dynamic copper compound

Answers on page 21



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, 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 NCVET 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. Identification with your picture, such as a driver's license is also necessary.

In addition the FCC now charges \$35 to add you to the Amateur Radio database. The FCC will e-mail successful candidates with instructions for payment directly to them. Payment must be made within 10 days of the e-mail. This charge does not apply to upgrades.

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Please contact Scott Farnham, KO8O, at (440)256-0 320, or scottfarnham@roadrunner.com , if you have any questions,



###



3rd Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is **July 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. Good food and conversation await.



LCARA Board Meeting

Board Meeting



The LCARA Board currently meets virtually. We will resume in person meetings as soon as it is deemed safe to do so.

Board meetings are usually held at the Tri-Point Medical Center - Physicians Pavilion, lower level in Rm.1002, every 2nd Wednesday.

To find Rm. 1002 using the pavilion entrance, simply continue down the hallway into the hospital and past the food court. You may also enter via the hospital main entrance and take the elevator to the ground floor. The room is located just to the right of the main elevators.

All members are welcome.

LCARA Public Service and Club Events

7/01	Mardi-Gras Parade	Fairport Harbor	14:00-20:00	Sign Up Here
7/17	Pirate Triathlon	Fairport Harbor	06:00-14:00	
8/03	LCARA Picnic & Meeting	Daniels Park	15:00-20:00	Sign Up Here
8/14	Fairport Half Marathon	Fairport Harbor	06:30-12:30	Sign Up Here
8/27	Family Fun Day	LCHS		
8/28	Ohio QSO Party			
9/24	National Public Lands Day	Garfield Home	09:00-15:30	
10/30	N O Marathon	Mentor	06:30-13:30	Sign Up Here

Other Events

Mat Nickosen KC8NZJ
Ohio ARES D-10 EC
Help request

Hello All,

I am looking for volunteers to work the Pan Ohio Hope Ride. This is a 4-day 328-mile bicycle ride from Cleveland to Cincinnati on July 21-24. I'm looking for people willing to drive along with the ride as SAG (support and gear) drivers. Ideally volunteers should have either a pickup truck or a vehicle with a bike rack and space to transport riders. Volunteers are strongly encouraged to sign up for all 4 days. All meals and lodging will be covered. Fuel can be reimbursed after the event. If you are unable to sign up for all 4 days, you are still welcome to come and help as much as you can. Net control each day will be run out of the Dayton Amateur Radio Association truck which will travel along with the event. We will primarily use UHF simplex and 700/800 MHz MARCS radios that will be signed out to volunteers each day. We strongly suggest each SAG vehicle have a driver and a co-pilot to help with navigation.

If this sounds like something you are interested in, please click the link below. If you have any questions or difficulties with signing up, please contact me at info@n8esg.org Please pass this notice along to all your various ARES and other amateur radio groups.

TO SIGN UP PLEASE VISIT THIS LINK [POHR SAG REGISTRATION](#)

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@arri.net Cell: (440) 479-4588

FOR SALE: Hy-gain TH5-MKII 5-element (10/15/20m) Tri-band Beam Antenna, asking \$500. Original owner, very good condition, stored in attic, includes all documentation.

WANTED: US Tower MA-550 Tubular 55' Crank-Up Tower in good condition, also accessories MAF-550 Raising Fixture and MARB-550 Freestanding Rotor Base.

Bill Wihebrink < 440-943-1703 >

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

July 2022

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

QRZ Ham Radio Trivia Quiz

Answers

What part of the early MODEL 'T' FORD car was used by hams as a part of their spark transmitter?

- A: The headlight elements
- B: The battery
- C: The distributor points
- D: The wood encased ignition coil (Correct)

RG (as in RG-213, RG-11, RG-8 coax) stands for:

- A: Radio Guide (Correct)
- B: Rodgers and Guilderson
- C: Reactance Grade
- D: Reliability Gauge

Winding coils in the old days, sometimes we used a copper wire that was called DCC. What does DCC mean?

- A: durable copper compound
- B: double cotton covered (Correct)
- C: double copper core
- D: dynamic copper compound

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