



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



Patch Staff

Editor: KB8BKE

DX: AA8OY

History: KO8O

Sunshine: W8DMP

LCARA Board

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

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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 will be October 6th

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Message from the President

Greetings fellow travelers.

Fall has arrived and October finds us closing out our public service calendar. I would like to thank again all those who helped this year with the various events. Your support and participation is truly appreciated by the agencies and groups that count on us.

Some may wonder why we bother to do anything at all. Participating in these activities help to maintain our skill sets at operational levels and uncover any deficiencies which may need to be addressed. In addition they keep us in touch with the public while promoting ham radio's function in general and our club's capabilities in particular. There are a lot of aspects to our hobby and public service is part of the mix.

A shout out to one of our members, serving with the Red Cross, who deployed to Boston to help with hurricane Hugo, only to then be sent to Louisiana to assist victims there in dealing with the devastating effects of hurricane Ida. A brief recounting of his experience is posted later in this edition.

Our October meeting will be online. No presenter is planned as of now. Hope you can attend

Please stay safe and be well

'73

-Ed

Membership Meeting Minutes for September 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	Ron – NU8N
Jim – AA8OY	Rick – W8QL
Bob – W2THU	Bob – K8BL
Larry – WB8PHI	Bob – N8KBX
Tom – KE8HJL	Neal – NF1X
Jeff – WA8SAJ	Nathaniel – W1OLE
Bill – N8WCL	Don – WA8TWM
Bob – K8QXO	Lou – K8LAD
Axel – K8AXX	Scott – N8SY
Cal – W8BZP	

Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:28 p.m.
- This meeting took place as an online membership meeting using the Zoom platform.
- **President** - Ed (KB8BKE) welcomed presenter for this meeting Axel Fisser (K8AXX). Axel's presentation included valuable information on NVIS – Near Vertical Incidence Skywave (Reliable communication to your neighboring stations).

Presentation Highlights

Purpose of This Presentation:

*Learn from each other.
Inspire critical thinking and asking questions.
Help each other master the subject.*

Presentation Agenda:

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

K8AXX Introduction

What is NVIS?

What Frequencies To Use? When?

Live Demo of VOACAP Predictions

NVIS Antennas

Quantify your signal – How do you know?

NVIS Summary

Discussion

Presentation Summary:

Cover area between ground wave and skip

60 and 80 meters are go-to frequencies that work most of the time

Dedicated NVIS antenna – recommend resonant dipole at 17 feet with single support point

Great rapid deployment potential

Predict probability using voacap.com

100W is plenty for sideband

Verify signal using FT8 and pskreporter.com

We thank Axel (K8AXX) for sharing his time and extensive knowledge on this subject with us.

Ed (KB8BKE) reminded the group that a recording of the meeting presentation can be made available to those who joined the meeting late by contacting him directly.

End of Presentation

- Additions and/or Corrections to the Patch: No additions/corrections to the Patch were requested. 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).
Processed one new membership.

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

Welcomed Bob Magree (N8KBX) to LCARA.
Sent a new member packet to Bob (N8KBX).

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

LCARA received word that Doug Emerson (N6NFF) passed away. He was a past member who was very active serving both on the LCARA Board of Directors and as a net control operator for the group. A sympathy card was sent to his wife, Sheilla (N6IKB).

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

Larry (W8PHI) mentioned that Fred Pearson (K8UET) passed away on August 16, 2021. Members shared their memories of him. He was well liked, respected, and a very active ham. Fred's family did not hold a service. A celebration of life will be scheduled at some time in the future. Our thoughts and prayers go out to his family.

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

Nothing new to report.

Looking for presenters for upcoming meetings. Reminded the group that presentation/presenter ideas/suggestions from members are always welcomed and appreciated.

- **Radio Officer Report:** Ed (KB8BKE) reported:

Ed (KB8BKE) advised the group repeaters are operational at this time.

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

3Y – Bouvet The 3Y0J team has put out their fifth press release. They're targeting November, 2022 for their trip.

ZD7 - St. Helena Island ZD7GB has been very active, on both 17M and 15M FT8.

3X – Guinea Call sign 3X2021 is what F1TMY, Jean Philippe, has been assigned for his upcoming visit there. He will be in Conakry starting in mid- September. He says he will be on 160-6M HF and the QO-100 satellite.

5U – Niger F4IHM, Adrien, will be back in Niger between September 11 and October 22. Listen for him again as 5UAIHM mainly on CW on 40 and 20 meters.

5H – Tanzania 5H3MB is an operation by IK2GZU, Maurizio, starting September 25 and going to November 20. He will get on during his free time, 80-10, primarily CW, SSB and RTTY." He may try some FT8.

- **Events Public Service:** Mike (WB8ZGH) reported:

The following are public service events scheduled to take place in September:

September 11 – Ohio State Parks On The Air (Headlands State Park)

September 18 – Touch A Truck (Willoughby Hills Fire Department)

September 19 – Sunday in June (Burton)

September 25 – Public Lands (Garfield)

September 25 – Clambake (Lake County History Center) (Reservations Required)

Neal (NF1X) mentioned The Great Geauga County Fair is scheduled to take place on Thursday, September 2, 2021 through Monday, September 6, 2021. Volunteers are always appreciated.

Ed (KB8BKE) mentioned the following activities are also scheduled to take place in September.

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

September 12 – Findlay Hamfest
September 21 – Third Tuesday Breakfast
September 26 – Cleveland Hamfest

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

Provided additional detail surrounding the Lake County History Center Clambake.

Ed (KB8BKE) mentioned he and Larry (WB8PHI) helped with the Township Family Fun Days. All had a great time. Our efforts were well appreciated.

- **Nets:** Ed (KB8BKE) reported:

All of our nets are running. We welcome participation on all three of our nets (ARES net, 10-meter net, 2-meter net). Feel free to check-in.

Meeting adjourned at: 8:30 p.m.

Donna (W8DMP)

###

Sunshine

by Donna Wheeler W8DMP

Nothing to report

###

Backscatter for October 2021

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

143 Years Ago: Thomas Edison established the Edison Electric Light Company in New York, with help from J.P. Morgan and the Vanderbilts, who advanced him \$30,000. Edison proposed to connect his lights in a parallel circuit, so that unlike arc lights, which were connected in a series circuit, the failure of one light would not cause a whole circuit to fail. He patented his system in 1880, providing service for 400 lamps. This company became a part of General Electric in 1892.

82 Years Ago: Early computer developer Helmut Schreyer projected that in the future it would be possible to build a computer with vacuum tubes that would process 10,000 operations per second.

71 Years Ago: American radio paging service, Aircall of New York City, sent the first page to a doctor on a golf course 25 miles away. Subscribers carried a six-ounce pocket radio receiver and could hear their call numbers repeated in numerical sequence on the air at least once per minute.

40 Years Ago: The LCARA newsletter, The 81/21 Ham-O-Gram (now known as The Patch, thank God), reports that the "Bulletin Related Announcement Generator" (BRAG tape, for short) is now operational. This 8-track recorder is brought up with a *1 command, and plays one of three scripts.

A new Newsletter editor is announced, with George WD8OYQ passing the baton to Gary KC8GN, who is quoted as saying "I'll make no promises, but watch my smoke."

35 Years Ago: LCARA receives ARRL Special Service Club status, thanks to efforts by Ken N8EIH, and others.

30 Years Ago: Bob manages to write an entire QRM ES QRN ES QSB DE K8BL column "with no whining about CW, No-Code, loss of frequencies, the ARRL, the FCC, etc." And they said it couldn't be done!!

25 Years Ago: The FCC adopts new RF safety standards effective January 1st, that require hams running more than 50 watts to conduct routine RF evaluations. What's involved in these measurements isn't clear.

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In a busy month, the FCC also opens vanity call sign gate two, allowing requests from Extra class hams. Those interested should file form 610V, and list up to 25 call signs, in order of preference.

The FCC is deluged by protests against the targeting of 2 meters and 70 cm by commercial interests, who want the frequencies for use by low-earth orbit satellites (little LEOS).

The first Backscatter is published.

20 Years Ago: The 440 repeater's amp is busted! Bruce, W8GN is hunting for a replacement.

Due to an apparently unrelated problem, the 2 meter repeater experienced a hard reset, causing the clock to reset to a nonsense time. As soon as he discovered the problem, Ken, KC8OHF reset the system to the correct time.

George Bair, N8GB, reports that Doug K8NFF, while in a .21 QSO with Mark, KB8FKM, experienced sudden speech problems, and signed off. Fearing the worst, Mark called 911, then drove to Lake East after the rescue squad had taken Doug there. In fact, Doug did experience a minor stroke. George stated "We don't know how this would have played out ... if Mark had brushed it off and done nothing. But he did do something. My hat is off to Mark ..."

15 Years Ago: New newsletter editor Bob, K8QXO includes interviews with both LCARA's October meeting speaker Jim, KF8VX, and Doug Emerson, K8NFF.

10 Years Ago: The Saturday Breakfast has been discontinued.

5 Years Ago: Joe N8JKO gave a presentation to the club on construction of a two meter "Pie Plate" antenna. Future plans include adding 70cm for a dual band model. It should be "a piece of cake".

The Patch reports on Gladys Kathleen Parkin, one of the first female amateurs. She received her call, 6SO in 1910 at age nine, and spent her life in the radio industry..

- Scott KO8O

DX Alert

by: Jim Pyle AA8OY



October 2021 DX Alert

5U – Niger - F4IHM, Adrien, will be back in Niger between September 11 and October 22. Listen for him as 5UAIHM mainly on CW on 40 and 20 meters.

HS & OZ - Thailand and Denmark - Special event station HS400OZ and OZ400HS will be QRV during September and October in celebration of 400 years of trade between the two nations.

C5 - The Gambia - F5RAV, Luc, reports F5NVF, Gerard, will be active October 24 to November 19, using the call sign C5C. He may be able to extend his stay. He plans to be on 40-10 CW and SSB.

5H – Tanzania - 5H3MB is an operation by IK2GZU, Maurizio, going to November 20. He will operate during his free time, 80-10, "primarily CW, SSB and RTTY." He may try some FT8.

VP8 - Falkland Islands - Husband and wife operators VP8NX, David, and VP8VK, Suzan, are once again back on the air. The Pole-Evans are now QRV on the FT8 frequencies on 80, 40, 20 and 15 meters using a fan dipole with 20 watts.

A3 – Tonga - Masa, JA0RQV is QRV as A35JP from Tongatapu Island, IOTA OC-049, until October 31. Activity is on 80 to 6 meters using CW, SSB, and FT8.

D6 – Comoros - Janusz, SP9FIH and Leszek, SP6CIK will be QRV as D60AC and D60AD, respectively, from September 18 to October 2. Activity will be on the HF bands using CW, SSB, RTTY, and FT8.

JX – Jan Mayen - Operators LA7GIA, RA9USU, DL5EBE, LB1QI and EA3HSO are QRV as JX0X from Kvalrossbukta, IOTA EU-022, until October 5. Activity is on the HF bands using all bands and modes and with four stations active.

S7 - Seychelles - Fred, DH5FS is QRV as S79/DH5FS from La Digue and Praslin Islands, IOTA AF-024. Activity is in his spare time on the HF bands using CW and FT8.

ZC4 - UK Sovereign Base Areas on Cyprus - Garry, 2M1DHG is QRV as ZC4GR until December 31. Activity is on the HF bands using SSB and various digital modes.

Happy hunting!

Jim, AA8OY

Thanks to Weekly DX and ARRL DX

Hurricane Ida

by Tom Revolunsky KE8HJL

I deployed as an ERV (Emergency Response Vehicle) Driver to Hammond, Louisiana that was affected by flooding and high winds. The entire parish was without power and many roads blocked by downed trees and power lines. The grocery stores that were able to open with generators looked like the picture due to supply chain issues.



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The Red Cross provided the food for the meals which prepared by a Southern Baptist Kitchen from Arkansas. The kitchen used 5 large ovens and kettles that ran on propane to prepare the meals. There were a lot of supply chain issues that created difficulty in getting food, water, snacks, propane, ice, and MRE's. I ended up as a yard dog helping to get the ERV's loaded and then doing an ERV route.



We had 11 ERV's that delivered 5,000 meals per day which totaled almost 40,000 meals by the time we left. The kitchen is now in the process of relocating closer to New Orleans.



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Communications and power were completely disrupted. The electric and cable companies had a large visible effort to restore power and internet to homes and businesses. Cell phone lines were overwhelmed as the tower system was damaged. We were unable to use our cell phones as hot spots as only basic cell phone service was available. We saw a Verizon temporary Cell Tower site in operation nearby.



We had a MOVE truck show up that provided us with electricity and the internet.



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The Southern Baptists had a COMMS trailer and set up a 2 m repeater to talk to the different crews in the area. They used the app Zello to talk among themselves.



At the end of the day, it was nice to grab a shower and get some rest at the staff shelter with a six pack of bud.



Overall, it was an amazing experience where volunteers from different organizations from all over the county pulled together to help those whose lives were devastated by hurricane IDA.

Thomas R Revolinsky | Disaster Program Manager
American Red Cross, Northern Ohio Region

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Upcoming Contests: (from the OSJ)

Oct. 2-3	California QSO Party	www.cqp.org/Rules.html
Oct. 2-3	Oceania Phone DX Contest	www.oceaniadxcontest.com
Oct. 2-3	Russian WW Digital Contest	http://bit.ly/2MF8xoC
Oct. 2-3	SKCC QSO Party	http://bit.ly/2Xl2vyx
Oct. 2-3	TRC DX Contest	https://trcdx.org/rules-trc-dx
Oct. 3	German Telegraphy Contest	https://bit.ly/3xzuPjw
Oct. 3	Peanut Power QRP Sprint	www.nogaqrp.org
Oct. 3	RSGB DX Contest	https://bit.ly/2UAapsc
Oct 3	UBA ON 80M SSB Contest	https://bit.ly/3kKYKzj
Oct. 4	RSGB Autumn Series CW	https://bit.ly/3p4eShW
Oct. 6	432 MHz Fall Sprint	http://svhfs.org/wp
Oct. 6	UKEICC 80m Contest SSB	https://bit.ly/2SDPqQQ
Oct. 6	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Oct. 7	SARL 80m QSO Party	http://bit.ly/H0lqQf
Oct. 8-10	Nevada QSO Party	http://nvqso.com/contest-rules
Oct. 8-10	YLRL DX/NA YL Anniversary Contest	https://ylrl.org/wp/dx-na-yl-contest
Oct. 9	QRP ARCI Fall QSO Party	www.qrparci.org/contests
Oct. 9	Microwave Fall Sprint	http://svhfs.org/wp
Oct. 9-10	Arizona QSO Party	www.azqsoparty.org
Oct. 10	10-10 Intl. 10-10 Day Sprint	http://bit.ly/1FrFeBc
Oct 10	UBA ON 80M CW Contest	https://bit.ly/3kKYKzj
Oct.9-10	Cosack's Honor VHF/UHF Contest	http://cshonor-vhf.ho.ua/eng1.html
Oct. 9-10	Makrothen RTTY Contest	http://bit.ly/2uZd6oF
Oct. 9-10	Oceania CW DX Contest	www.oceaniadxcontest.com
Oct. 9-10	Pennsylvania QSO Party	http://paqso.org
Oct. 9-10	PODSX 070 Club 160M Great Pumpkin Sprint	http://bit.ly/2RUkcE6
Oct. 9-10	Scandinavian SSB Activity Contest	www.sactest.net/blog
Oct. 9-10	South Dakota QSO Party	https://sdqsoparty.com
Oct. 13	RSGB Autumn Series Data	https://bit.ly/3p4eShW
Oct. 13	VHF-UHF FT8 Activity	www.ft8activity.eu/index.php/en
Oct. 16	Feld Hell Spooky Sprint	https://bit.ly/3g8gpxD
Oct. 16-17	10-10 Intl. Fall CW Contest	http://bit.ly/1FrFeBc
Oct. 16-17	Araucaria World Wide VHF Contest	www.avhfc.com/rules/en.pdf
Oct. 16-17	New York QSO Party	www.nyqp.org
Oct.16-17	JARTS WW RTTY Contest	http://jarts.jp/rules2021.html
Oct. 16-17	Worked All Germany Contest	http://bit.ly/2uDQRSV
Oct. 17	Asia-Pacific CW Sprint	http://jsfc.org/apsprint
Oct. 17	RSGB RoLo CW Contest	https://bit.ly/3xJDZtO

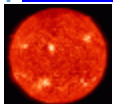
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Oct 17	UBA ON 2M Phone/CW Contest	https://bit.ly/3kKYKzj
Oct. 17	Illinois QSO Party	https://w9awe.org/ilqp
Oct. 18	RSGB FT4 Contest Series	http://bit.ly/3mCNXXH
Oct. 18-22	ARRL School Club Roundup	http://bit.ly/MaLmBs
Oct. 20	AGCW Semi-Automatic Key Evening	http://bit.ly/2WB74qy
Oct. 23-24	ARRL EME Contest	www.arrl.org/eme-contest
Oct. 23-24	North American SSB Sprint Contest	https://ssbsprint.com/rules
Oct. 23-24	Stew Perry Topband Distance Challenge	www.kkn.net/stew/stew_rules.html
Oct. 23-24	UK/EI DX Contest	www.ukeicc.com/dx-contest-rules.php
Oct. 24-25	Telephone Pioneers QSO Party	http://tpqso.tparca.org
Oct.24-25	Fall Classic Exchange CW	www.classicexchange.org
Oct. 26-27	Fall Classic Exchange CW	www.classicexchange.org
Oct. 27	UKEICC 80m CW	https://bit.ly/2SDPqQQ
Oct. 28	RSGB Autumn Series SSB	https://bit.ly/3p4eShW
Oct. 30-31	CQWW DX SSB Contest	www.cqww.com/index.htm

###

ARRL News:

[The K7RA Solar Update](#)



Last week, we reported a big increase in activity with the daily sunspot number reaching 124, but by the end of that week all sunspots had disappeared. [Read More](#)

[The 2021 ARRL Simulated Emergency Test \(SET\) is Just Ahead](#)



The weekend of October 2 – 3 is designated for holding the annual ARRL Simulated Emergency Test (SET) [Read More](#)

[ARISS Seeks Hosts for Ham Radio Contacts with Space Station Crew](#)



Starting on October 1, Amateur Radio on the International Space Station (ARISS) will accept applications from US schools, museums, science centers, and community youth organizations interested in hosting amateur radio with ISS crew members. [Read More](#)

[Next SpaceX Commercial Crew to ISS Comprised of Radio Amateurs](#)



Four radio amateurs will head to the International Space Station (ISS) aboard a commercial flight, thanks to Amateur Radio on the International Space Station (ARISS). [Read More](#)

###

Upcoming Hamfests

10/02/2021 - [10th Annual Vette City Hamfest, ARRL Great Lakes Division Convention](#)

Canceled

10/09/2021 - [Northwest Ohio Amateur Radio Club \(NWOARC\) hamfest](#)

Location: Westminister, OH

Sponsor: NWOARC, Northwest Ohio Amateur Radio Club

Website: <http://www.nwoarc.com>

[Learn More](#)

10/31/2021 - [Massillon \(Ohio\) Hamfest](#)

Location: Green, OH

Sponsor: Massillon Amateur Radio Club

Website: <http://w8np.org>

[Learn More](#)

###

QRZ Ham Radio Trivia Quiz

What type of power was used to supply filament voltage in the early battery operated household radios of the twenties and thirties:

- A: carbon cell dry batteries
- B: AC power
- C: Wet cell storage batteries:
- D: lithium batteries

Besides amateur transceivers and linear amplifiers, where would one expect to find type 6LQ6 tubes?

- A: Console radio sets from the 1930s
- B: Navy radar units from World War II
- C: TV sets from the 1950s through 70s
- D: ENIAC, the first tube-based electronic computer

What year was SSB starting to be heard on US ham bands?

- A: 1955
- B: 1970
- C: 1960
- D: 1948

Answers on page 27

###



HAM EXAMS RETURN TO THE KIRTLAND LIBRARY

The Lake County Amateur Radio Association is once again holding its **2021** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 6 *
Saturday, April 3 *
Saturday, June 5 *

Saturday, August 7 *
Saturday, October 2
Saturday, December 4

This bi-monthly schedule is the first Saturday of every even-numbered month (e.g., February being the second month, etc.). Starting with October, they are again being 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.

* Due to COVID the Feb-August tests had been held at an alternate site.

The tests will start at **12 noon**. Please arrive a few minutes earlier.

To register, you will need a NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, be sure it is the Sept 2017 version or later. You can find it by Googling "NCVEC quick-form 605" and clicking on the url for a pdf of the form. Effective this last May, **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.

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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 is also necessary, such as a driver's license. To confirm the location, or if you have any questions, please contact Scott Farnham, KO8O, at (440)256-0320, or scottfarnham@roadrunner.com

Note that early next year, the FCC will begin charging \$35 to add you to the Amateur Radio database. This will be payable directly to the FCC, but is unlikely to occur before the first quarter of 2022.



###



3rd Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is October 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. 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 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.

Upcoming Events for October

10/2 – SET Exercise

10/6 - Club Meeting

10/10 - Rock Hall Half Marathon

10/13 - LCARA Board Meeting

10/23&24 - CLE Marathon & Half Marathon

10/31 - N O Marathon

###

Our Weekly Nets

Lake County ARES Net

The ARES Net is held **weekly on Mondays at 7:30 pm on 147.210/R – 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

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Monday

06:00-21:00 – BRRO Packet Net – Packet BBS: AB8M@AB8M.#CLE.OH.USA.NOAM or Winlink:AB8M@winlink.org

9:00 am. – Trivia Net – 146.940 (pl 110.9)

7:30 pm. – Lake County ARES Training Net – 147.210 (pl 110.9) – (b/u 147.255)

8:00 pm. – Geauga Emergency Amateur Radio Service Training Net – (check in on 146.940/R - followed by 147.435 simplex)

Tuesday

9:00 am. – Trivia Net – 146.940 (pl 110.9)

7:00 pm – ARES Ohio District Emergency Preparedness Training Net (**voice**) (Spring/Summer/Fall) 3.902 MHz (+/-)

7:30 pm. – Swap-N-Shop – 147.015 (pl 110.9)

7:45 pm – ARES Ohio District Emergency Preparedness Training Net (**data**) – 3584.500 KHz. 1500 Hz waterfall-**USB** – Olivia 8-500

9:30 pm. – Tri-County Traffic Training Net – 147.015 (pl 110.9)

Wednesday

9:00 am. – Trivia Net – 146.940 (pl 110.9) –

8:00 pm. – Quarter Century Wireless Association Net – 146.850 (pl 110.9)

8:30 pm. – Lake Co. ARA 10 Meter Round-Table Net – 28.450 MHz (+/-)

Thursday

9:00 am. – Trivia Net – 146.940 (pl 110.9)

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

8:00 pm. – Ashtabula Radio Club 2 Meter Net – 146.715 (pl 141.3) – (Echolink node- N8CT/L)

8:00 pm. – Lake Erie ARA 2 Meter Net – 146.760 (pl 110.9) – (back/up 146.880 – pl 110.9)

8:00 pm. – Portage County Amateur Radio Society 2 Meter Net – 146.895 (pl 118.8 – Streetsboro input) (Echolink - use- K8BF-L node #508081)

Friday

9:00 am. – Trivia Net – 146.940 (pl 110.9)

9:30 pm. – Tri-County Traffic Training Net – 147.015 (pl 110.9)

Saturday

9:00 am. – Trivia Net – 146.940 (pl 110.9)

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2:00 pm -. Swan Tech Net – 7.235 MHz

3:30 pm. – Kenwood Hybrid Tech Net – 7.235 MHz

Sunday

8:00 am – DX 60 Net – 3.880 MHz – **AM mode**

9:00 am. – Trivia Net – 146.940 (pl 110.9)

3:00 pm – ARES Ohio District Emergency Preparedness Training Net – 3584.5 MHz-**USB** (+1500 Hz waterfall) (Olivia 8-500)

4:00 pm. – Drake Tech Net – 7.238 MHz

9:30 pm. – Tri-County Traffic Training Net – 147.015 (pl 110.9)

###

Sell, Seek or Trade

Bill Somrak < 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

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- 3) Icom 275H 100 watt all mode 2 meter transceiver
- 4) Yaesu FT 817ND
- 5) Swan 350C w/Power Supply & Cables & Manuals

Mike, KD8JDL has donated 100's of radio tubes from his father's store. If members are in need contact Ed, KB8BKE. No charge.

Check the LCARA website Swap/Sell/Trade page for more equipment available.



October 2021

Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
					1	2 SET Exercise 9am-1pm VE Testing 12pm-2pm
3	4 LC ARES Net 7:30pm Feast of St. Francis of Assisi	5	6 LCARA Meeting 7:00pm	7 2 Mtr. Net 7:00pm ARES D-10 Net 7:00pm	8	9
10 Rock Hall half Marathon	11 LC ARES Net 7:30pm Columbus Day	12	13 LCARA Board Mtg. 7:30pm 10 Mtr. Net 8:30pm	14 2 Mtr. Net 7:00pm	15	16
17	18 LC ARES Net 7:30pm	19 3 RD Tuesday Breakfast	20 10 Mtr. Net 8:30pm	21 2 Mtr. Net 7:00pm	22	23 CLE 5 & 10 K
24 CLE Marathon	25 LC ARES Net 7:30pm	26	27 10 Mtr. Net 8:30pm	28 2 Mtr. Net 7:00pm	29	30
31 N O Marathon Halloween						

QRZ Radio Trivia Quiz Answers

What type of power was used to supply filament voltage in the early battery operated household radios of the twenties and thirties:

- A: carbon cell dry batteries
- B: AC power
- C: Wet cell storage batteries (Correct Answer)
- D: lithium batteries

Besides amateur transceivers and linear amplifiers, where would one expect to find type 6LQ6 tubes?

- A: Console radio sets from the 1930s
- B: Navy radar units from World War II
- C: TV sets from the 1950s through 70s (Correct Answer)
- D: ENIAC, the first tube-based electronic computer

What year was SSB starting to be heard on US ham bands?

- A: 1955
- B: 1970
- C: 1960
- D: 1948 (Correct Answer)

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The 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, 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.*