



## The LCARA Patch



10 METER ROUNDTABLE  
WEDNESDAY @ 20:30 HRS  
28.450 MHz

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

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



### 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
History	Scott Farnham	KO8O
LCHS Liaison	Bob Mekinda	K8QXO
N8BC Trustee	Bob Liddy	K8BL
Program Director	Joe Koskovics	N8JKO
Publicity	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Open	
Web Master LCARA	Bill Wihebrink	N8IJG

***Our next club Meeting: December 7th, 2022  
On Zoom and in person at UH Tri-point Physician's Pavilion***

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## Message from the President

Greetings fellow travelers,

December 7th's meeting will be held both online (fingers crossed) and in person at UH Tri-Point. The link for Zoom will be sent to members the Monday prior. We will be discussing next year's budget, elect 2023 board members, some proposed improvements to the repeater system and more. Pizza and refreshments will be provided.

Don (WA8TWM) has recently voice willingness to put together a team of instructors to teach a Technician Licensing class some time in 2023, and is looking for assistance. If you'd like to be part of this effort and help to inspire the next generation of hams, let Don or myself know.

Happy Holidays everyone!

Stay well and be safe.

'73

-Ed



## Membership Meeting Minutes

### Membership Meeting Minutes for Nov 2, 2022

#### Board Members Present:

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

#### Attendees:

Ed KB8BKE  
Don WA8TWM  
John Dolinar W8YLO  
Evan W8LSQ  
Cal W8BZP  
Paul W8PJW  
Bill N8WCL  
Dale KG6WGO  
Ron NU8N

Tom KE8HJL  
Joe N8JKO  
John KB8YJY  
Bob K8QXO  
Bill N8IJG  
Jim AA8OY  
Bob W2THU  
Larry WB8PHI

#### Meeting Minutes:

- Meeting called to order by Ed (KB8BKE) at 7:31 p.m.
- This meeting took place on line and in person at UH Tri - Point Hospital

Guest Speaker: John Dalinor Tri-C IT Executive Director Enterprise Application Services

John's presentation was on how to ensure your personal security while using the Internet.

#### Key Points:

- An organized team is coming after your DATA.
- Goal: Getting people to perform actions to divulge information through social engineering
- If someone is pushing you to act - When in doubt wait it out.
- The best password is 4 random words that will be easy to remember.
- Don't reuse passwords on same sites
- Use Multifactor authentication
- Answer personal security questions with incorrect answers that you can remember.
- We scanning the web, some ads for name brands can be malicious. They looks for specific versions of Apple or Android software that are vulnerable.
- Never call malicious software detections companies. If they appear and you cannot clear your screen – hold down the power button to shut off your computer and count to 10, then restart..
- If someone wants you to buy Gift Cards – it is a scam!

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- You are the only one who can protect yourself.
- The built in security from Google and Microsoft is very good.
- Anti-Malware is very good software. It is free
- Free Dark Web Scan: <https://haveibeenpwned.com/>

- **President** – Ed (KB8BKE) mentioned:

- The motion to accept the minutes for the last meeting was accepted.

- **New Business:**

- Bob (K8BL) made recommendations on some FT4 or FT8 and possible picnic site
- Time change on Nov 6<sup>th</sup>
- Ed (KB8BKE) opened the floor for nominations to serve on the LCARA board. None were offered.
- There will be elections and budget for 2023 next month.
- Bill (N8IJG) mentioned that he uses Raspberry Pi and a Linux based operating system to surf the web.
- Joe (N8JKO) mentioned that an eBook is also good – it is \$60

- **Director At large:** Joe (N8JKO) reported:

- He is working on getting additional presenters for meetings.
- He is also looking for suggestions for sites for the summer picnic. The preference is the Lake Metro parks site then Daniels Park.

- **Radio:** Bill N8IJG:

Nothing reported

- **Secretary Report:** Tom (KE8HJL) Seven members pay their dues at the meeting.

- **Treasurer Report:** ED (KB8KBE): We will review the proposed budget for 2023 at December's meeting. The club's liability insurance renewal was paid this month.

- **Sunshine:** Long time club member, Dick Glenn, passed away in October and will be truly missed. His wife may be reaching out to us to help with dismantling his shack.

**DX Report:** Jim (AA80Y) Posted in this issue.

- **Public Service:** Mike (WB8ZGH) No report

- **Historical Society:** Bob K8QZXO:

- Nothing to Report

- **ARRL Liaison:** Bob(K8WX0):

- Nothing to report

- **VE Testing:** Don (WA8TWM)

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- **Ohio Legislative Liaison:** Bob (W2THU)
  - Nothing to report
- **ARES:** Joseph (N8JKO).
  - Encourage new Hams to check into the Monday net.
  - Echo Link is shut down.
  - We plan to use the 255 repeater in a December Net. It will be a split net.
- **Nets:** Ed (KB8BKE) will be taking over the 2m net in November

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

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

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

**50/50 winner:** No raffle was held

Meeting adjourned at: 8:45 p.m.

Tom (KE8HJL)



## Sunshine Report

Nothing to Report

## Backscatter for November 2022

by: *Scott Farnham KO8O*

*LCARA Historian*



### BACKSCATTER

**118 Years Ago:** John Ambrose Fleming invents the thermionic valve, the first vacuum tube, and the age of modern wireless electronics is born.

The vacuum tube, a diode (having two electrodes) has had far-reaching applications. It was standard equipment in radio receivers, radar sets, early television sets and other forms of electronic communication for at least half a century, eventually being replaced by solid-state electronics.

The principle of thermionic emission, essentially the transmission of a charged current using a heated conductor, was well-understood before Fleming incorporated it into his tube. It was first reported in 1873, and a number of other engineers and physicists, including Thomas Edison, had experimented with it. Fleming's vacuum tube, however, represented a major breakthrough in the technology.

For his work, Fleming, a British citizen, received a knighthood in 1929 and was awarded the Medal of Honor by the Institute of Radio Engineers (now the Institute of Electrical and Electronics Engineers) in 1933.

**40 Years Ago:** 30 meters becomes reality! Three years after approval in WARC 79, the FCC gives US hams authorization to use 10.100 to 10.150 MHz. Initially, 10.109-10.115 MHz is withheld to protect a government station at 10.112.

In a burst of activity, the FCC also proposes to eliminate virtually all logging requirements.

The 1983 FCC exam schedule in Cleveland is announced: Once in February, once in June, and once in October. Otherwise, it's a trip to Buffalo or Detroit. VE's are still years in the future.

**35 Years Ago:** Having just installed the 440 repeater last month, funding is approved for the 220 repeater, to be installed in the spring.

**30 Years Ago:** YU clones! The DX Advisory Committee recommends splitting Yugoslavia into five countries: Croatia 9A, Slovenia S5, Bosnia-Herzegovina YU4, Macedonia YU5, plus keeping the entity of Yugoslavia (comprised of current YU1, 6 7 & 8). Got all that? There's a test later.

**25 Years Ago:** After more than a year as newsletter editor and significant Patch upgrades, Dee W1HEO hangs up his word processor. President Don WA8TWM begins the search for the next Editor.

**20 Years Ago:** LCARA makes plans to run a special event station (or mid-winter Field Day) at the Red Cross chapter on Bank Street in Painesville.

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**15 Years Ago:** Iraq, YI, becomes amateur radioactive, effective November 20<sup>th</sup>.

The Real Santa Claus will be active in December, operating from, where else, the Arctic Circle. Send QSL via OH9SCL.

**10 Years Ago:** The annual club dinner will be held at Rider's Inn on the 15<sup>th</sup>.

Matt Welch W8DEC will hold Technician classes on five nights in January.

Rick White W8QL, admits he still runs RTTY using a Teletype Model 28.

**5 Years Ago:** Pete, W1BKZ donated a Hallicrafters SD 160 to the club for the LCHS radio room.

Field Day results are in, and LCARA was #34 nationally, and in the top 1.1% of all entries. We were #2 of all entries in both Ohio and the Great Lakes Division.

## DX Alert

*by: Jim Pyle AA8OY*



### December 2022 DX Alert

**MADAGASCAR, 5R** - Operators PA3EWP, DL2AWG, DK2AMM, PG5M, and PA5X, will be QRV as 5R8WP, 5R8WG, 5R8MM, 5R8CG, and 5R8PA, respectively, from Nosy Be Island, IOTA AF-057, from November 22 to December 3. Most Activity will be on 160 to 6 meters using CW, SSB, RTTY, and FT8 .with two stations active.

**TOGO, 5V** - Andy, KB9IJI is QRV as 5V7JA. Activity is in his spare time on the HF bands using SSB and various digital modes

**WEST MALAYSIA, 9M2**- Special event station 9M100SK is QRV until December 31 in celebration of the 100th anniversary of Kedah Scouts. Activity is on 80 to 10 meters using SSB, CW, and various digital modes.

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**BRAZIL, PY** - Special event station PV22CUP will be QRV from November 19 to December 18 during the 22nd FIFA World Championship being held in Qatar.

**BRUNEI DARUSSALAM, V8.** Didier, F5NPV is now QRV as V85NPV from the capital city Bandar Seri Begawan and here for a few years

**Minami Torishima , JD1/M** – JG8NQJ/JD1, Take, is here until mid-December. He has a 160 meter antenna, which needs to be removed by the end of this month. His other antennas currently allow operations on 160, 40, 30, 17, 15, 10 and 6 Meter some FT8.

Happy hunting!

Jim, AA8OY

Thanks to the ARRL DX Bulletin andn Weekly DX

### Field Day 2022

Field Day 2022 was a bit challenging in that the Historical Society was booked for another event and necessitated relocating the stations. This made the antennas very close together and caused some interference. However, we gained good experience at adjusting to the situation and carried on to have a successful Field Day.

This year 29,679 participants made 1,274,517 QSOs while operating 4,929 stations throughout the USA and Canada. Nearly 60% of the stations were operating from home (Class D/E). Ohio led the list with 209 stations. LCARA was in Class 5A, making 1094 contacts on CW and 422 contacts on SSB. Our total score including bonus points was 6,370 points. This was good for 9<sup>th</sup> place out of 73 entries in class 5A.

We also had an offsite station, WB8SIG, operating as a LCARA station running WSJT-X digital mode. The ARRL chose to score WB8SIG separately but list their club affiliation as LCARA. They did quite well scoring 3,000 points and placed 20<sup>th</sup> out of 675 in Class D & E.

Now is the time to be thinking about Field Day 2023.

Jim, AA8OY

OHIO STATE PARKS ON THE AIR Contest - 2022  
Final Scores

Overall High Score K8IV from Punderson - 37,800

MML - Multi Op    Multi Radio    Low Power    In a Park

Call	Park Name	Final Score
K8IV	Punderson	37800
K8UU	Caesar Creek	31978
W8VTD	Mosquito Lake	30951
K8HO	Rocky Fork	24192
WW8OH	Dillon	20832
W8ATM	Quail Hollow	16992
WC8VOA	Caesar Creek	16072
N8CUB	Paint Creek	13800
KE8RV	Madison Lake	12980
K8GQB	Guilford Lake	5616
K8ES	Delaware	3960
K8O	Van Buren	3564
K8BXQ	Harrison Lake	3430
W8DGN	John Bryan	2904
W8UCO	Alum Creek	2738
W8QLY	Lake Milton	1690
<b>N8BC</b>	<b>Headlands Beach</b>	<b>1440</b>
W8CWO	Jefferson Lake	1120
W8ATR	A.W. Marion	1025
KD8YPY	Lake Loramie	840
N8QA	Shawnee	768

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KBE8MD	Cowan Lake	650
W8HHF	Mary Jane Thurston	572
K8VON	Independence Dam	525
NO8I	Sycamore	408
W8VCO	Lake Alma	399

MSL - Multi Op   Single Radio   Low Power   In a Park

<b>Call</b>	<b>Park Name</b>	<b>Final Score</b>
N8XC	Hueston Woods	19080
AD8FQ	Wingfoot Lake	16390
N8EU	John Bryan	14448
W8UKE	Stroud's Run	12100
W8AJT	Hueston Woods	5842
K8EEN	Mohican	1980
<b>N8FRJ</b>	<b>Headlands Beach</b>	<b>1890</b>
K8CY	Geneva	1580
W8VP	Blue Rock	667
K8PRC	Portage Lakes	99

-Ed

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

Dec. 1	QRP ARCI Top Band Sprint	<a href="http://www.qrparci.org/contests">www.qrparci.org/contests</a>
<b>Dec. 2-4</b>	<b>ARRL 160-Meter Contest</b>	<a href="http://www.arrl.org/160-meter">www.arrl.org/160-meter</a>
Dec. 3-4	PRO CW Contest	<a href="http://www.procontestclub.ro/PCC%20Rules.html">www.procontestclub.ro/PCC%20Rules.html</a>
Dec. 3-4	FT Roundup	<a href="http://www.rttycontesting.com/ft-roundup/rules">www.rttycontesting.com/ft-roundup/rules</a>
Dec. 7	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Dec. 10-11	ARRL 10M Contest	<a href="http://www.arrl.org/10-meter">www.arrl.org/10-meter</a>
Dec. 10-12	PODXS070 Club Triple Play Low Band Sprint	<a href="http://bit.ly/2Cq2yUA">http://bit.ly/2Cq2yUA</a>
Dec. 11	CQC Great Colorado Snowshoe Run	<a href="http://www.coloradoqrplclub.org/contests/snow.htm">www.coloradoqrplclub.org/contests/snow.htm</a>
Dec. 11	QRP ARCI Holiday Spirits Homebrew Sprint	<a href="http://www.qrparci.org/contests">www.qrparci.org/contests</a>
Dec. 14	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Dec. 16	AGB Party Contest	<a href="http://ev5agb.com/contest/contests_e.htm">http://ev5agb.com/contest/contests_e.htm</a>
Dec. 17	RAC Winter Contest	<a href="http://www.rac.ca/contesting-results">www.rac.ca/contesting-results</a>
Dec. 17-18	Croatian CW Contest	<a href="http://www.9acw.org/index.php/rules/english">www.9acw.org/index.php/rules/english</a>
Dec. 17-18	OK DX RTTY Contest	<a href="http://www.crk.cz/ENG/DXCONTE">www.crk.cz/ENG/DXCONTE</a>
<b>Dec. 17-18</b>	<b>Stew Perry Topband Challenge</b>	<a href="http://www.kkn.net/stew/stew_rules.html">www.kkn.net/stew/stew_rules.html</a>
Dec. 18	ARRL Rookie Roundup, CW	<a href="http://www.arrl.org/rookie-roundup">www.arrl.org/rookie-roundup</a>
Dec. 21	VHF-UHF FT8 Activity	<a href="http://www.ft8activity.eu/index.php/en">www.ft8activity.eu/index.php/en</a>
Dec. 25	RAEM Contest	<a href="https://raem.srr.ru/rules">https://raem.srr.ru/rules</a>
Dec. 26	DARC Xmas Contest	<a href="https://www.darc.de/?id=820">https://www.darc.de/?id=820</a>
Dec. 30	YOTA Contest	<a href="http://www.ham-yota.com/contest">www.ham-yota.com/contest</a>
Dec. 31- Jan. 1	Bogor Old and New Contest	<a href="https://contest.orari-bogor.org">https://contest.orari-bogor.org</a>

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

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

<p><b>12/03/2022 - <a href="#">FCARC WinterFest</a></b>  <b>Location:</b> Archbold, OH  <b>Sponsor:</b> Fulton County Amateur Radio Club  <b>Website:</b> <a href="https://k8bxq.org/hamfest">https://k8bxq.org/hamfest</a>  <a href="#">Learn More</a></p>	<p><b>01/15/2023 - <a href="#">Sunday Creek Amateur Radio Federation Hamfest</a></b>  <b>Location:</b> Shade, OH  <b>Sponsor:</b> Sunday Creek Amateur Radio Federation  <b>Website:</b> <a href="#">QRZ KC8AAV</a>  <a href="#">Learn More</a></p>

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<p><b>03/11/2023 - <a href="#">MOVARC Hamfest</a></b> <b>Location:</b> Bidwell, OH 45614, OH <b>Sponsor:</b> Mid-Ohio Valley Amateur Radio Club <a href="#">Learn More</a></p>	<p><b>05/13/2023 - 05/17/2023</b> <b><a href="#">RV Radio Network</a></b> <b>Location:</b> Berlin, Ohio, OH <b>Type:</b> ARRL Operating Specialty Convention <b>Sponsor:</b> RV Radio Network <a href="#">Learn More</a></p>
<p><b>05/19/2023 - 05/21/2023</b> <b><a href="#">Dayton Hamvention</a></b> <b>Location:</b> Xenia, OH <b>Type:</b> ARRL Hamfest <b>Sponsor:</b> Dayton Amateur Radio Association <b>Website:</b> <a href="http://Hamvention.org">http://Hamvention.org</a> <a href="#">Learn More</a></p>	

### **ARRL News:**

#### **[SKYWARN Recognition Day Set for December 3, 2022](#)**



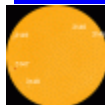
The annual SKYWARN Recognition Day (SRD) on-the-air activity will take place Saturday, December 3, 2022, from 0000 to 2400 UTC. SKYWARN Recognition Day was developed in 1999 by the National Weather Service (NWS) and ARRL. [Read More](#)

#### **[Dayton Hamvention Announces Theme for 2023](#)**



Dayton Hamvention® 2023 is just over 6 months away, and next year's Hamvention team has selected "Innovation!" as the event theme. [Read More](#)

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



At 0334 UTC on November 18, the Australian Space Weather Forecast Centre issued this geomagnetic disturbance warning. [Read More](#)

## QRZ Ham Radio Trivia Quiz

In what year was the USA "W" call sign prefix first introduced?

- A: 1909
- B: 1912
- C: 1927
- D: 1934

The wavelength for a frequency of 25 MHz is:

- A: 15 meters
- B: 32 meters
- C: 4 meters
- D: 12 meter

Which Ham gained publicity by attempting to tow an iceberg to Australia to bring a fresh water supply?

- A: W6OBB
- B: VK2DIK
- C: VK6DRY
- D: W1AW

Rain/snow/ice on an antenna can cause the SWR (standing wave ratio) to increase.

- A: True
- B: False

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, 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](https://apps.fcc.gov) link.

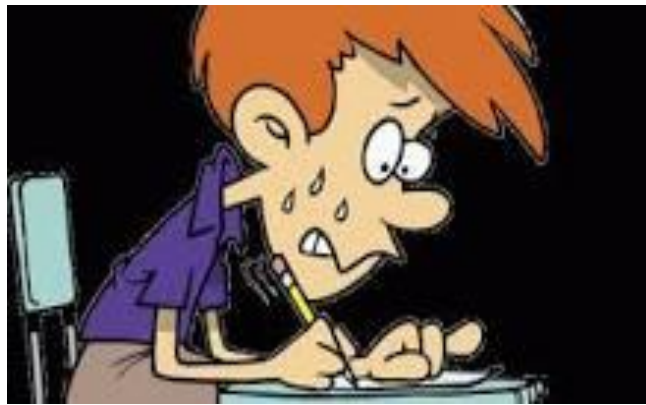
If you are currently licensed, be sure to **bring a copy of your license to the exam**. The cost of the exam is \$15.00, and if you wish to pay by check, it should be made out to the ARRL/VEC. Identification with your picture, such as a driver's license is also necessary.

**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.**

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



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



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is **December 20<sup>th</sup>**, at the Perkins Family Restaurant, located at 700 Mentor Avenue in Painesville. Attendees begin to gather around 8:00am Breakfast orders being taken around 8:30am. This group averages 15-20 people from all around the area. Club membership is not a requirement to attend. Meet other Hams, talk over the news of the day and maybe find a buyer for your spare equipment. Bring your significant other, or a friend, to breakfast. Good food and conversation await.



## LCARA Board Meeting

### Board Meeting



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

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

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

## Our Weekly Nets

### *Lake County ARES Net*

The ARES Net is held **weekly on Mondays at 7:30 pm on 147.210/R (b/u 147.255/R)**. This directed net is open to all licensed amateur radio operators. You do not need to belong to ARES to participate. This net is provided for operators to verify the proper operation of their stations equipment and capabilities, should they be called upon in the event of an emergency. Volunteer to be Net Control or Alternate Net Control. Prior experience is not necessary. Training will be provided. Everyone is welcome.

### *2 Meter Net*

The 2 Meter Net runs **weekly on Thursdays at 7:00 pm on 147.210/R**. This is an informal net. Participant discussions vary on a range of subjects for the good of the group. It's a great time to ask questions, especially for new operators. List your items related to ham radio that you want to sell or swap and mention any sunshine reports you have to share. We also present the latest weekly edition of the ARRL Audio News. We are always looking for alternate net control operators.

### *10 Meter Roundtable*

The 10 meter Roundtable meets **weekly on Wednesdays at 8:30 pm on 28.450 MHz +/-**. This is an informal roundtable where the group chats about anything that comes to mind and rag chew about any topic or events of the day. You don't need to be a LCARA member, just have at least a Technician license and some 10 meter gear. It's an opportunity to re-connect with friends or make some new ones. Anyone can start it off so don't be shy.

## **Other Weekly Nets**

### **Monday**

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

20:00 – Geauga Emergency Amateur Radio Service Training Net – (check in on 146.940/R - then moves to 147.435/s)

### **Tuesday**

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

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

18:00 – Ohio (slow) – 3.53535

18:45 – Buckeye (early) – 3.580

19:15 – Ohio HF Emergency Preparedness Net - 3.910 MHz (+/-) or 7.240 (+/-)

19:30 – Swap-N-Shop – 147.015 (pl 110.9)

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)

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### 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

### Sunday

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

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

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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](mailto: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 >**

#### For Sale:

- 1) Icom 275H 100 watt all mode 2 meter transceiver
- 2) Yaesu FT 817ND

**Joseph Koskovics < [n8jko@outlook.com](mailto:n8jko@outlook.com) >**

#### For Sale:

Flight Case: \$60.00

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

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

#### For Sale:

Mosely TA36

Six element beam with rotor and manual \$250.00

Collins 30L-1

HF Linear Amplifier with high output tubes with manual \$800.00



Since 1978

# December 2022

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

## QRZ Ham Radio Trivia Quiz

### Answers

In what year was the USA "W" call sign prefix first introduced?

- A: 1909
- B: 1912
- C: **1927 (Correct)**
- D: 1934

The wavelength for a frequency of 25 MHz is:

- A: 15 meters
- B: 32 meters
- C: 4 meters
- D: **12 meter (Correct)**

Which Ham gained publicity by attempting to tow an iceberg to Australia to bring a fresh water supply?

- A: W6OBB
- B: **VK2DIK (Correct)**
- C: VK6DRY
- D: W1AW

Rain/snow/ice on an antenna can cause the SWR (standing wave ratio) to increase.

- A: **True (Correct)**
- B: False

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### Amateurs Code

By Paul M. Segal, W9EEA (1928)

#### The Radio Amateur is:

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

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

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

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

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

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

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

#### ***The Lake County Amateur Radio Association***

*P.O. Box 868  
Painesville, OH 44077-0868*

***Proudly serving Lake County & NE Ohio since 1978***

**To contact us, send an e-mail to: <https://www.lcara.org/contact-us/>**

#### ***Voice Repeaters N8BC***

*147.210 +.600 MHz -PL tone of 110.9 Hz  
Echo link N9IJG/R Node #665499  
224.500 - 1.6MHz -PL tone of 141.3 Hz.  
444.650 + 5.0MHz -PL tone of 131.8 Hz.*