



The LCARA Patch

10 METER ROUNDTABLE
WEDNESDAY @ 20:30 HRS
28.450 MHz

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

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



Board Members

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

Patch Staff

Editor: Ed KB8BKE
DX: Jim AA8OY
History: Scott KO8O
Sunshine: Bob K8QXO

Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
ARRL /OH Gov. Liaison	Bob Winston	W2THU
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
Planning	Vacant	
Program Director	Joe Koskovics	N8JKO
Publicity	Bob Mekinda	K8QXO
Repeater	N8IJG - KB8BKE	
Sunshine	Bob Mekinda	K8QXO
Web Master LCARA	Bill Wihebrink	N8IJG

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**Our Next meeting will be held on
February 5th, 2025
UH Tri-Point Physicians Pavilion
7590 Auburn Rd.
Ground Floor – Meeting Room #2**

Message from the President

Greetings,

Due to our January meeting night falling on New Year's Day, **our next club meeting will be held on February 5th**. In person meetings are held at the UH Tri-Point Physicians Pavilion Building. Enter via the ground floor just off the north parking lot and continue past the elevators down the hall to find the meeting room, on the right. For those who cannot attend, we will as always, stream the meeting online via Zoom. Hope to see you there.

Remember it's time to renew your LCARA membership for 2025. Renewal forms and payment instructions are available on our website. We accept payment by mail or credit card. You can also pay in person by cash (or check) at a club meeting.

Best of the holidays to everyone!

Stay safe and be well. '73

-Ed

Did you know that LCARA is eligible to receive a \$5 rebate check from the ARRL, for those renewing their ARRL membership (\$15 for new ARRL members)? In order for us to receive the rebate, a separate form needs to be included when you send in your application and payment. Contact me or any board member for the form or should you have any questions.

Membership Meeting Minutes

Membership Meeting Minutes for 12/4/24

Board Members Present:

KB8BKE – Ed Kopcak, President / Treasurer
KE8HJL – Tom Revolinsky, Vice President / Secretary
N8IKO – Joe, Member at Large

Attendees:

Ed KB8BKE	Tom KE8HJL
Bill N8IJG	Neal NF1X
Ron Nu8N	Chris KE8JPO
Bob K8QXO	Jim AA80Y
Cal W8BZP	Bob K8BL
Jack KB8OF	Vito AD8OI
Mike WB8ZG H	Bob W2THU
Joe N8IKO	Rick
Greg	Chris W9TEK

The Ed (KB8BKE) – started the meeting at 7:30. The meeting was conducted online via Zoom. The minutes from the Nov meeting were approved

New Business:

- There was a discussion of adding DMR to the EOC station
- We will be operating at the History center on 12/4 and 12/5 from 10 am to 5 pm.
- Bob mentioned there is a Sky Warn recognition on Saturday
- Bill is trying to get into the 10m net from Florida and hasn't been successful yet.

Radio / Repeaters: Bill N8IJG:

- All the repeaters are operational and working fine. We are urging everyone to participate.

Secretary Report: Tom (KE8HJL)

- Nothing to Report

Treasurer Report: ED (KB8KBE):

- Ed (KB8BKE) presented the 2025 budget. We received a significant increase in insurance premiums. Through a grant we up graded the equipment at the Lake County EOC and upgraded the tower. A motion was made to accept the budget and was approved by everyone in attendance.

Sunshine : Bob K8QXO

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- Pete Harmon passed away. Cal's son Brian also passed away.

DX Report: Jim (AA80Y)

- Jim's Report

Public Service: Mike (WB8ZGH)

- The next event is the end of March – Drop Run

Historical Society: Bob K8QZXO:

- Nothing to report

ARRL Liaison: Bob (W2THU):

- The ARRL has a sponsor for the Home Readiness Bill. It will enable you to put an antenna up in an HOA

Ohio Legislative Liaison: Bob (W2THU)

- No news on legislation.

VE Testing: Don (WA8TWM)

- Testing this Saturday at the Kirtland Library.

ARES: Joseph (N8JKO).

- The net will be continuing.

Nets: Ed (KB8BKE)

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)

Meeting adjourned at: 8:08 p.m.

Tom (KE8HJL)



Sunshine Report for December 2024

By: Bob Mekinda K8QXO

No Report

Backscatter for December 2024

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

117 Years Ago: What an antenna! For the first time, a wireless message is sent from the Eiffel Tower in Paris.

97 Years Ago: Three television sets are installed by RCA and GE in homes in Schenectady. They delivered an unsteady picture 1.5 inches square, with 48 lines at 16 frames per second. The picture was transmitted over 2XAF on 37.8 meters with the sound transmitted over radio station WGY. Four months later, WGY-TV began broadcasting regular programs on Tuesday, Thursday, and Friday afternoons from 1:30 to 3:30 pm, using only 24 lines. This was not HD.

79 Years Ago: First moon-bounce! U.S. Army Project Diana detected radar signals reflected off the moon's surface. Using 50 KW at 111.5 MHz and a modified WWII radar antenna with 24 dB of gain, 1/4 second pulses were beamed from the Evans Signal Laboratories, Belmar, N.J. The echo was received 2.4 sec. later, proving that radio waves could penetrate Earth's atmosphere. The experiment was supervised by Lt. Col. John H. De Witt, who as an amateur, had tried unsuccessfully in 1940.

45 Years Ago: LCARA's first Super Bowl fills 18 lanes at Palisades IV. Despite minor difficulties in tapping the keg, the evening is a real success.

The first 2 meter moon bounce WAC is achieved by K1WHS by working ZS6TS on CW. 1000 watts to a 160 element array helps.

The FCC considers elimination of the requirement to log all contacts.

Radio Shack announces plans to phase out the TRS-80, which will be replaced by the TRS-90.

40 Years Ago: Jim, KD8SW takes over as newsletter editor, following Gary, KC8GN's emigration to the West Side.

80 MHz of spectrum are lost when the FCC eliminates the ham band at 2310 – 2390 MHz

25 Years Ago: The Painesville 2 meter input suffers "intermod" problems, caused by a nearby KW paging system. Radio Officer Rusty proposes moving the receiver to a new site near I-90 and Route 44.

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30 Years Ago: Charter One Bank informs LCARA the meeting room will no longer be available. Arrangements are rapidly made to return to the Lake County Administration Building in Painesville for the January meeting.

First Class postage goes from 29 to 32 cents.

25 Years Ago: Field Day results are announced, with LCARA taking 2nd place in the 9A category with 10,672 points. The 1st place team beat us by .075%, only 8 more points.

The new LCARA board is made up of:

President	Tom Brown, KB8WFD
Vice President	Lee Hawthorne, K8LED
Treasurer	Reno Tonsi, WT8C
Secretary	Connie Tonsi KB8ZZW
Dir. @ Large	Doug Emerson, KC8NFF

20 Years Ago: Tom, KB8WFD announces the club dinner will be February; 26th at Dino's. Choose Prime Rib, Chicken Picata or Baked Salmon.

15 Years Ago: It is reported that Solar Cycle 24 is really starting. Five years later, it was on track to be the cycle with the lowest recorded sunspot activity since accurate records began in 1750.

Ham of the Year, Neal KC8OMO is pictured wearing an unusual pink hat with ears.

10 Years Ago: Must have been one heck of a party! The Patch reports "there are no minutes for the December meeting due to an enjoyable Holiday Party at the Historical Society.

After failing to pass in 2014, the Amateur Radio Parity Act is continued to 2015. This act, which attempts to limit the effect of deed covenants and other land restrictions on amateurs, has still not been passed in 2019. Nor in any year through 2024..

5 Years Ago: Solar Cycle 25 is expected to start soon, and be only slightly stronger than Cycle 24. As of December 2024, it is expected to peak in mid-2025 at slightly lower levels than Cycle 24.

The Patch reports that Thomas Edison nicknamed his two eldest children "Dot" and "Dash".

DX Alert

by: *Jim Pyle AA8OY*



JANUARY 2025 DX Alert

Trinidad and Tobago - 9Y4 – 9Y4/WA3DX will be operating until January 14 on 40-10 meters using FT4 and FT8.

6W – Senegal – 6W1RD will be activated by F4GJE on 80 – 10 meters SSB, FT8 and FT4.

KH8 – American Samoa - By OE3GEA as KH8/OE3GEA; 30-10m; CW from January 12 – 15.

TX7 – Marquesas – TX7N will be QRV January 12 – 27 by a 12 operator team running five stations on 160 – 6 meters.

FO – French Polynesia - Hardy, DL7JLL is QRV as FO/DL7JLL from Mangareva Island, IOTA OC-063, until January 15, 2025. Activity is on 20, 15, and 10 meters using SSB.

VP6 – Pitcairn Island – Hardy will be in Mangareva, Pitcairn until late January and operate VP6JLL from Pitcairn. He plans to operate 20, 15, and 10M SSB only.

SP – Poland - Special event stations HF0CLAUS and SP0CLAUS are QRV until January 6, 2025.

TJ - Cameroon - Thierry, TK1CX is QRV as TJ/TK1CX until the end of February 2025. Activity is on 20 to 10 meters using mostly FT8 and low power.

VU – India - Kaustav, VU2UUU, is QRV with special call sign AT2025 until January 15, 2025. Activity is on the HF bands using CW and SSB.

ANTARCTICA - Oleg, ZS1ANF is QRV as ZS7ANF from Wolf's Fang Runway, IOTA AN-016, until February 2025. Activity is on 40 to 10 meters using mostly CW.

8R – Guyana - PY1SAD, Aldir, is heading back to Georgetown (GJ06vs) January 1- February 8 to operate as 8R1TM. He will be on all bands, CW, SSB, digital, and satellite.

Happy hunting!

Jim, AA8OY

Upcoming Contests: (from the OSJ)

Contest	Start Date	End Date
Stew Perry 160M CW Contest	12/28/24	12/29/24
EUCW 160M Contest	1/4/2025	1/5/2025
YB DX Contest - SSB	1/11/2025	
North American QSO Party, CW	1/11/2025	1/12/2025
YB DX Contest	1/11/2025	1/11/2025
North American QSO Party, SSB	1/18/2025	1/19/2025
ARRL VHF Contest`	1/18/2025	1/20/2025
CQ 160M CW	1/24/2025	1/26/2025

Upcoming Ham Fests: (from the OSJ)

<p>01/19/2025 - Sunday Creek Amateur Radio Federation Hamfest Location: Shade, OH Type: ARRL Hamfest Sponsor: Sunday Creek Amateur Radio Federation Learn More</p>	<p>03/16/2025 - Toledo Mobile Radio Association Hamfest and Computer Fair Location: Perrysburg, OH Type: ARRL Hamfest Sponsor: Toledo Mobile Radio Association Website: http://www.w8hhf.org Learn More</p>
<p>04/05/2025 - Cuyahoga Falls Amateur Radio Club 69th Hamfest Location: Cuyahoga Falls , OH Type: ARRL Hamfest Sponsor: Cuyahoga Falls Amateur Radio Club, Inc. Website: https://www.cfarc-hamfest.org Learn More</p>	<p>05/15/2025 - Four Days In May Location: Fairborn, OH Type: ARRL Convention Sponsor: QRP Amateur Radio Club International Website: http://qrparci.org/fdim Learn More</p>

ARRL News:

□ 12/20/2024 | [The K7RA Solar Update](#)



Excellent HF conditions greeted hams in the ARRL 10-Meter contest last weekend. [Read More](#)

□ 12/24/2024 | [ARRL Kids Day - January 4, 2025](#)



ARRL The National Association for Amateur Radio® Kids Day runs January 4, 2025 from 1800 UTC - 2359 UTC. [Read More](#) □

12/25/2024 | [ARRL Straight Key Night: January 1, 2025](#)



ARRL Straight Key Night will be January 1, 2025, from 0000 UTC through 2359 UTC. [Read More](#)

□ 12/26/2024 | [2025 ARRL Foundation Scholarships - Final Weeks to Apply](#)



The ARRL Foundation Scholarship Program continues to accept applications for the 2025 scholarship cycle. The application period is open until 12:00 PM Eastern Standard Time on January 6, 2025. [Read More](#)

Ham Radio Trivia Quiz (Answers on page 22)

What does the acronym "MUF" stand for?

- A: Minimum Useable Frequency
- B: Maximum Useable Frequency
- C: Multi-user Frequency
- D: Military Used Frequency

A double V-beam antenna best describes a:

- A: Log Periodic Beam
- B: Sterba Curtain
- C: Yagi Beam
- D: Rhombic Beam

How can a single-sideband phone signal be generated?

- A: By driving a product detector with a DSB signal
- B: By using a reactance modulator followed by a mixer
- C: By using a loop modulator followed by a mixer
- D: By using a balanced modulator followed by a filter

If a ham operator asks you to QSY. he wants you to

- A: stop transmitting
- B: change frequency
- C: reduce power in order to lessen interference
- D: give your call sign phonetically



VE Testing Sessions HAM EXAMS

The Lake County Amateur Radio Association is holding its **2025** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, February 1
Saturday, April 5
Saturday, June 7

Saturday, August 2
Saturday, October 4
Saturday, December 6

This bi-monthly schedule is the first Saturday of every even-numbered, and are held at the Kirtland Library, 9267 Chillicothe Road. It is 1.7 miles south of I-90 on Route 306 (Chillicothe Rd). The library is on the left, just beyond the Marathon gas station.

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

To register, you will need a NCVEC 605 Form, which will be available at the test. It is not necessary to pre-register, but if you would like to complete the form 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 ARRL url for a pdf 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 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 itself 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. If you have any questions, please contact Scott Farnham, KO8O, at (440) 256-0320, or scottfarnham@roadrunner.com

In addition to the \$15 test fee, the FCC charges \$35 to add you to the Amateur Radio database. The FCC will e-mail successful candidates instructions for payment directly to them. Payment must be made within 10 days of the e-mail. This charge does not apply to upgrades.



LICENSE RENEWAL (revised)

Doing our VE Tests, I often am asked how to renew one's license. It's been five years since I checked, so it seems time to check how much the process has changed. The answer is ... \$35. Starting about a year ago, the FCC has added a fee to update the database. Now there are two steps:

Step 1: Request an upgrade with the FCC. This costs between zero and \$15, depending on how you go about it. These \$\$ go to the ARRL or W5YI (see below).

Step 2: Then pay \$35 directly to the FCC.

STEP 1:

This can be simple and free, or cost \$8, or cost \$15, or be a real PITA. Renewals can only be made within 90 days of expiration. If you're a little late, don't sweat it, as there's a two year grace period.

There are several ways you can go about requesting your license be renewed:

1. If you're an ARRL member (you are, aren't you ... it is the best deal in amateur radio, and they need your support to defend our frequencies), fill out the NCVEC Form 605, available in pdf from several sources if you Google "NCVEC Form 605". Then mail it with a note that it's a renewal request to: ARRL/VEC at 225 Main St, Newington CT 06111. It's free. If you do this, make sure your Form 605 is the Sept 2017 version or later, and include your FRN, which is probably on your current license. Check the "FCC ULS" database if it isn't. Note that social security numbers are no longer accepted.
2. If you're not an ARRL member, you can do the same thing, but enclose a \$15 check payable to ARRL/VEC with the form..
3. You can have W5YI do it for you at www.w5yi.org Click on "License Renewals" along the left side of the screen and follow the instructions. This costs \$8. Or mail a completed NCVEC Form 605 and \$8 to them at W5YI-VEC, PO Box 200065, Arlington, TX 76006-0065
4. You can do it yourself directly with the FCC. Google "FCC ULS" Click on "UNIVERSAL LICENSING SYSTEM" then click "FILE ONLINE" which takes you to the FCC License Manager page and follow the instructions. This is NOT easy. Note that it has been reported the FCC no longer accepts paper requests for renewal.

If you really don't have a FRN number, on the FCC License Manager in 4 above, click on "Register with the FCC" and follow the instructions. Be sure to link your new FRN with your existing license. After receiving a FRN, you can go back to the ULS Home Page and click on ONLINE FILING to request an update/renewal to your license..

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Regardless of which method you choose, if the US Postal Service is not involved, it may be as quick as one or two days. You are now ready go on to

STEP 2:

The FCC will e-mail you a request to pay \$35 via a credit card. This must be done within 10 business days. They will then change the database to show your new expiration date. They no longer mail licenses; you have to print it out from the FCC ULS site.

Scott KO8O



Print an Official or Unofficial Copy of Your Amateur Radio License

(By Anthony Luscre, K8ZT)

As of February 17, 2015, the **FCC no longer routinely issues paper license documents** to Amateur Radio applicants and licensees. The Commission has maintained for some time now that the official Amateur Radio license authorization is the electronic record that exists in its Universal Licensing System (ULS). The FCC will continue to provide paper license documents to all licensees who notify the Commission that they prefer to receive one.

Licensees also will be able to print out an official authorization — as well as an unofficial “reference copy” — from the ULS License Manager. I’ve created a set of instructions on how you can request an **“official” printed copy of your license***

[Click here to download the instructions](#)

Grant Date	Effective Date	Prior Date	Expiration Date
01/02/2015	01/01/2015	01/01/2010	01/04/2015

File Number	Operator Endorsement	Station Endorsement
00000000	Advanced	THRUSET

THIS LICENSE IS NOT TRANSFERABLE

John Q. Amateur
(Licensee's Signature) FCC 000-000 2015

Third Tuesday Breakfast Group 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is January 21st. Join us at the Perkins Family Restaurant, 700 Mentor Avenue in Painesville. Attendees begin to gather around 8:00am Breakfast orders are taken around 8:30am.. Club membership is not a requirement to attend, and group averages 15-20 people from all around the area. A chance to 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.



LCARA Board Meeting

Board Meeting



The LCARA Board meets quarterly (unless otherwise needed).

Meetings are open to all members.

Contact any board member if you'd like to attend.

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)

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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)

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)

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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)

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

Joseph Koskovics < n8jko@outlook.com >

For Sale:

Diamond k 400-38c lip mount (never used) List \$78.00 - asking \$40.00

Barjan Vice-Grip antenna mount (have 3, still in original packaging). List \$28.00 – asking \$10 each.

Contact by email or call (216) 952-5789

Cal Pengov < 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

Bill Collins < 440-221-9150 >

For Sale:

- 1) Ameritron 811 Amp \$600.00
- 2) Palstar AT2K 200 watt tuner \$500.00
- 3) Alinco DR735 2mtr/70cm \$250.00 (incl. RT Software and prgmng cable)
- 4) Yeasu FT2000 HF/50mhz txcvr \$1200.00 (incl MD100 mic)
- 5) SO2000 spkr \$150.00
- 6) Stryker HP955 10 mtr txcvr \$350.00



January 2025

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

QRZ Ham Radio Trivia Quiz Answers

What does the acronym "MUF" stand for?

- A: Minimum Useable Frequency
- B: Maximum Useable Frequency (Correct)**
- C: Multi-user Frequency
- D: Military Used Frequency

A double V-beam antenna best describes a:

- A: Log Periodic Beam
- B: Sterba Curtain
- C: Yagi Beam
- D: Rhombic Beam (Correct)**

How can a single-sideband phone signal be generated?

- A: By driving a product detector with a DSB signal
- B: By using a reactance modulator followed by a mixer
- C: By using a loop modulator followed by a mixer
- D: By using a balanced modulator followed by a filter (Correct)**

If a ham operator asks you to QSY. he wants you to

- A: stop transmitting
- B: change frequency (Correct)**
- C: reduce power in order to lessen interference
- D: give your call sign phonetically

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Amateurs Code

By Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

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

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

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.

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.

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

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

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 welcome and are fully deductible from Federal Income Tax. Items may be reprinted by other non-profit publications without prior permission providing credit is given to the original source and The LCARA Patch.

The Lake County Amateur Radio Association

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Painesville, OH 44077-1032*

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 110.9 Hz
Echo link N9IJG/R Node #665499
224.500 (- 1.6MHz) - PL 141.3 Hz.
444.650 (+ 5.0MHz) - PL 131.8 Hz.*