



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
March 5th, 2025
UH Tri-Point Physicians Pavilion
7590 Auburn Rd.
Ground Floor – Meeting Room #2**

Message from the President

Greetings,

Our next club meeting will be held on **March 5th**. **Tim Duffy (K3LR) will be presenting on the “Story of DX Engineering”**.

Our monthly meetings are held at the UH Tri-Point Physicians Pavilion Building. To find us, use the ground floor entrance, 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 in person, we will be streaming the meeting online via Zoom. Hope you can attend

Our first public service event of this year is on March 30th. The “Spring Thaw 10 Miler” runs from Veterans Park in Mentor, up through the Lagoons and back. If you would like to help, please visit:

https://www.lcara.org/?page_id=161 Register for this, or any of our other upcoming events.

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. Hope to see you soon.

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 2/5/25

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 | Anthony K8ZT |
| Bill N8WCL | Jim AA8OY |
| Mike WB8ZGH | Neal NF1X |
| Ron NU8N | Marty KE8QWI |
| Norb KF8DHH | Greg KF8WZT |
| Bob N8KBX | Bob KF8AIM |
| Dave KE8WOC | Vito AD8OI |
| Bob K8QXO | |

The Ed (KB8BKE) – started the meeting at 7:30. The meeting was conducted online via Zoom and in person at the Tri Point – Physicians Pavilion Meeting Room.

The minutes from the Nov meeting were approved

New Business:

- Anthony K8ZT gave a presentation on how a club can improve their Field Day experience by having several events throughout the years. He gave examples on different contests available and ways to get clubs to work together. His slide show can be found at tiny.cc/fdpity
- Anthony mentioned the Cuyahoga Falls Hamfest is April 5th.
- The History Center is looking for donations. A proposal was a \$250 donation. The motion was carried. We have the site for Field Day and we have the radio room and store gear there.
- We are looking at having Dave do a presentation.
- Geauga Has a tech class starting April 4th.

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):

- Treasury is in good shape

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Sunshine : Bob K8QXO

- No Report

DX Report: Jim (AA80Y)

- See Jim's Report

Public Service: Mike (WB8ZGH)

- The next event is the – Spring Thaw – March 30th – Veterans Park in Mentor.
- All the events listed in black on the website have been verified and you can sign up in the link.
- Remember the 10m Net.
- This is the last year for the Mardi Gras Parade on July 5th – a bike parade.

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)

- We have 5 testing for the VE testing last Saturday – all passed.

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)

50/50 \$45 – Marty won and donated it to the club.

Meeting adjourned at: 8:08 p.m.

Tom (KE8HJL)



Sunshine Report for February 2025

By: Bob Mekinda K8QXO

No Report

Backscatter for March 2025

by: Scott Farnham KO8O

LCARA Historian



No report this month. Scott is too busy soaking up the sun.

Stay tuned for a double whammy in April!

DX Alert

by: *Jim Pyle AA8OY*



March 2025 DX Report

TANZANIA, 5H Chas, NK8O is QRV as 5H3DX until March 6. Activity is in his spare time on the HF bands using CW and FT8. QSL via LoTW.

NIGERIA, 5N Members of the Rebel DX Group are QRV as 5N9DTG. Activity is on 160 to 6 meters using FT8 and FT4 with Superfox and MSHV modes.

MALDIVES, 8Q. Takio, JH3QFL will be QRV as 8Q7FL from February 26 to March 6. Activity will be on 40 to 6 meters using FT8.

CAPE VERDE, D4. A group of operators are QRV with special event call sign D450ICV until December 31 to celebrate the 50th anniversary of the independence of Cape Verde. Activity is on all bands and modes.

COMOROS, D6. Elvira, IV3FSG will be QRV as D68Z from Moroni from February 28 to March 18. Activity will be on the HF bands using CW, SSB, FT8, and FT4.

SRI LANKA, 4S. Members of the Polish DX Team are QRV as 4S7SPG from Nilaveli until March 1. Activity is on 80 to 10 meters using CW, SSB, RTTY, and FT8. QSL via SP6CIK.

TANZANIA, 5H. Chas, NK8O is QRV as 5H3DX until March 6. Activity is in his spare time on the HF bands using CW and FT8. QSL via LoTW.

NIGERIA, 5N. Members of the Rebel DX Group are QRV as 5N9DTG. Activity is on 160 to 6 meters using FT8 and FT4 with Superfox and MSHV modes. QSL via OQRS.

MALDIVES, 8Q. Takio, JH3QFL will be QRV as 8Q7FL from February 26 to March 6. Activity will be on 40 to 6 meters using FT8.

UNITED ARAB EMIRATES, A6. Special event stations A60TET/0 through A60TET/23 are QRV until February 27 for the UAE Emirates Tour Event Bicycle Road Race. QSL via operators' instructions.

CAPE VERDE, D4. A group of operators are QRV with special event call sign D450ICV until December 31 to celebrate the 50th anniversary of the independence of Cape Verde. Activity is on all bands and modes. QSL via LoTW.

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COMOROS, D6. Elvira, IV3FSG will be QRV as D68Z from Moroni from February 28 to March 18. Activity will be on the HF bands using CW, SSB, FT8, and FT4. QSL via IK2DUW.

ST. LUCIA, J6. Steve, NY3B will be QRV as J68SS from February 25 to March 4. He and other operators will be QRV as J62K in the upcoming ARRL International SSB DX contest.

CHRISTMAS ISLAND, VK9X. A group of operators are QRV as VK9XU until March 4. Activity is on 160 to 6 meters using CW, SSB, RTTY, and other digital modes with three stations active around the clock.1:

NORFOLK ISLAND. VK4AWB, Alf, has announced that he and his team from the Caboolture Radio Club will be operating from Norfolk Island February 22-March 1. They aim to be present on every band "at some stage," including 630M and 2200M,

Happy Hunting!

Jim, AA8OY

Upcoming Contests: (from the OSJ)

| Contest | Start Date | End Date |
|-------------------------------------|-------------------|-----------------|
| ARRL Inter. DX Contest, SSB | 3/1/2025 | 3/3/2025 |
| YB DX RTTY Contest | 3/8/2025 | 3/8/2025 |
| Idaho QSOP | 3/8/2025 | 3/8/2025 |
| Oklahoma QSOP | 3/8/2025 | 3/8/2025 |
| Wisconsin QSOP | 3/9/2025 | 3/10/2025 |
| Virginia QSOP | 3/15/2025 | 3/16/2025 |
| CQ WW WPX Contest, SSB | 3/29/2025 | 3/30/2025 |
| SP DX Contest | 4/5/2025 | 4/6/2025 |
| Louisiana QSOP | 4/5/2025 | 4/6/2025 |
| Georgia QSOP | 4/12/2025 | 4/13/2025 |
| New Mexico QSOP | 4/12/2025 | 4/13/2025 |
| Holyland DX Contest | 4/18/2025 | 4/19/2025 |
| Michigan QSOP | 4/19/2025 | 4/20/2025 |
| Ontario QSOP | 4/19/2025 | 4/20/2025 |
| SP DX RTTY | 4/26/2025 | 4/27/20256 |
| 10-10 Intl. Spring Contest, Digital | 4/26/2025 | 4/27/20256 |
| Florida QSOP | 4/26/2025 | 4/27/20256 |

Upcoming Ham Fests: (from the OSJ)

Ohio Hamfests

2025

03/09/2025 - [Northern Ohio Amateur Radio Society Winter Hamfest](#)

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur Radio Society

Website: <https://www.noars.net/hamfests/winter-hamfest/>

Learn More

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

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

04/26/2025 - [Tusco Amateur Radio Club's 2025 Hamfest, Computer & Electronics Show](#)

Location: Dover, OH

Type: ARRL Hamfest

Sponsor: Tusco Amateur Radio Club

Website: <http://www.w8zx.net/hamfest>

Learn More

04/27/2025 - [Athens Hamfest](#)

Location: Athens, OH

Type: ARRL Hamfest

Sponsor: Athens County Amateur Radio Association

Website: <https://www.ac-ara.org/>

Learn More

**05/10/2025 - 05/15/2025
[RV Radio Network Rally](#)**

Location: Navarre, OH

Type: ARRL Convention

Sponsor: RV Radio Network

Learn More

ARRL News:

☐ [02/21/2025 | The ARRL Solar Report](#)



Solar activity is expected to range from low to moderate levels through March 15. [Read More](#)

☐ [02/14/2025 | RigExpert's Administrative Office Destroyed in Russian Missile Attack — Production Remains Intact](#)



On February 12, 2025, RigExpert's administrative office, in Kyiv, Ukraine, was destroyed by a Russian ballistic missile. All employees are reported to be safe. [Read More](#)

☐ [02/14/2025 | Amateur Radio Emergency Service Renews Relationship with Red Cross in Puerto Rico](#)



Amateur Radio Emergency Service® (ARES®) in the Puerto Rico Section of ARRL The National Association for Amateur Radio® has signed a renewal Memorandum of Understanding (MOU) with the American Red Cross Puerto Rico Region. [Read More](#)

☐ [02/07/2025 | Hurricane Watch Net Turning 60, Seeking Net Control Operators](#)



The Hurricane Watch Net (HWN), founded on Labor Day weekend 1965, is celebrating its 60th anniversary in 2025 [Read More](#)

Ham Radio Trivia Quiz (Answers on page 21)

All antenna systems need a ground reference.

- A: True
- B: False

In 1960 what was the lower edge of the 75 meter US phone band?

- A: 3500 KHz
- B: 3750 KHz
- C: 3790 KHz
- D: 3.8 MHz

Which mode can you legally use for station identification, regardless of which band you are operating on?

- A: CW
- B: Phone
- C: Data
- D: RTTY

Of the choices given, which of these would most likely result in doubling your transmission range?

- A: Quadrupling your transmitter power
- B: Adding 3 more identical transmit antennas and phasing harness
- C: Neither A nor B
- D: Both A and B



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, August 2 | |
| Saturday, April 5 | | Saturday, October 4 |
| Saturday, June 7 | | 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/VEEC. 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.

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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..

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



Third Tuesday Breakfast Group



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is March 18th. 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



March 2025

| Sun. | Mon. | Tue. | Wed. | Thu. | Fri. | Sat. |
|-------------------------------------|---|--|---|----------------------------|------|------|
| | | | | | | 1 |
| 2 | 3 ARES Net. 7:30pm | 4 | 5 Club Mtg. 7:30pm 10 Mtr. Net 8:30pm | 6 2 Mtr. Net 7:00pm | 7 | 8 |
| 9 Daylight Saving Time Begins | 10 ARES Net 7:30pm | 11 | 12 10 Mtr. Net 8:30pm | 13 2 Mtr. Net 7:00pm | 14 | 15 |
| 16 | 17 ARES Net 7:30pm St Patrick's Day | 18 3 RD Tuesday Breakfast | 19 10 Mtr. Net 8:30pm | 20 2 Mtr. Net 7:00pm | 21 | 22 |
| 23 | 24 ARES Net. 7:30pm | 25 | 26 10 Mtr. Net 8:30pm | 27 2 Mtr. Net 7:00pm | 28 | 29 |
| 30 | 31 | | | | | |

QRZ Ham Radio Trivia Quiz Answers

All antenna systems need a ground reference.

A: True

B: **False (Correct)**

In 1960 what was the lower edge of the 75 meter US phone band?

A: 3500 KHz

B: 3750 KHz

C: 3790 KHz

D: **3.8 MHz (Correct)**

Which mode can you legally use for station identification, regardless of which band you are operating on?

A: **CW (Correct)**

B: Phone

C: Data

D: RTTY

Of the choices given, which of these would most likely result in doubling your transmission range?

A: Quadrupling your transmitter power

B: Adding 3 more identical transmit antennas and phasing harness

C: Neither A nor B

D: **Both A and B (Correct)**

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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

P.O. Box 1032
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.