



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

**Our Next Meeting Date Is
July 13th
@ Chagrin River Park
West Entrance Shelter
1000 Rural Rd.**

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Message from the President

Greetings,

Our next club meeting will be held on July 13th, at the Chagrin River Park.

Please register so we can get some idea of how many are planning on attending.

[Sign Up HERE for the LCARA Picnic](#)

We'll be located in the West Entrance shelter (1000 Rural Rd.) See the link below or the map on the following page for directions. Signs will also be posted on the streets to help you find the site.

<https://maps.app.goo.gl/UaNvmEYDYG1Cp78V9>

Our next public service is the Lake Metropark's Pirate Triathlon on July 21st in Fairport Harbor and we can always use more volunteers. Find a full list of events and sign-up forms on our website.

Thanks to everyone who braved the terrible weather and band conditions this Field Day to operate, This year was one for the ages. Thanks again to Jim, for his tireless efforts in organizing this event every year.

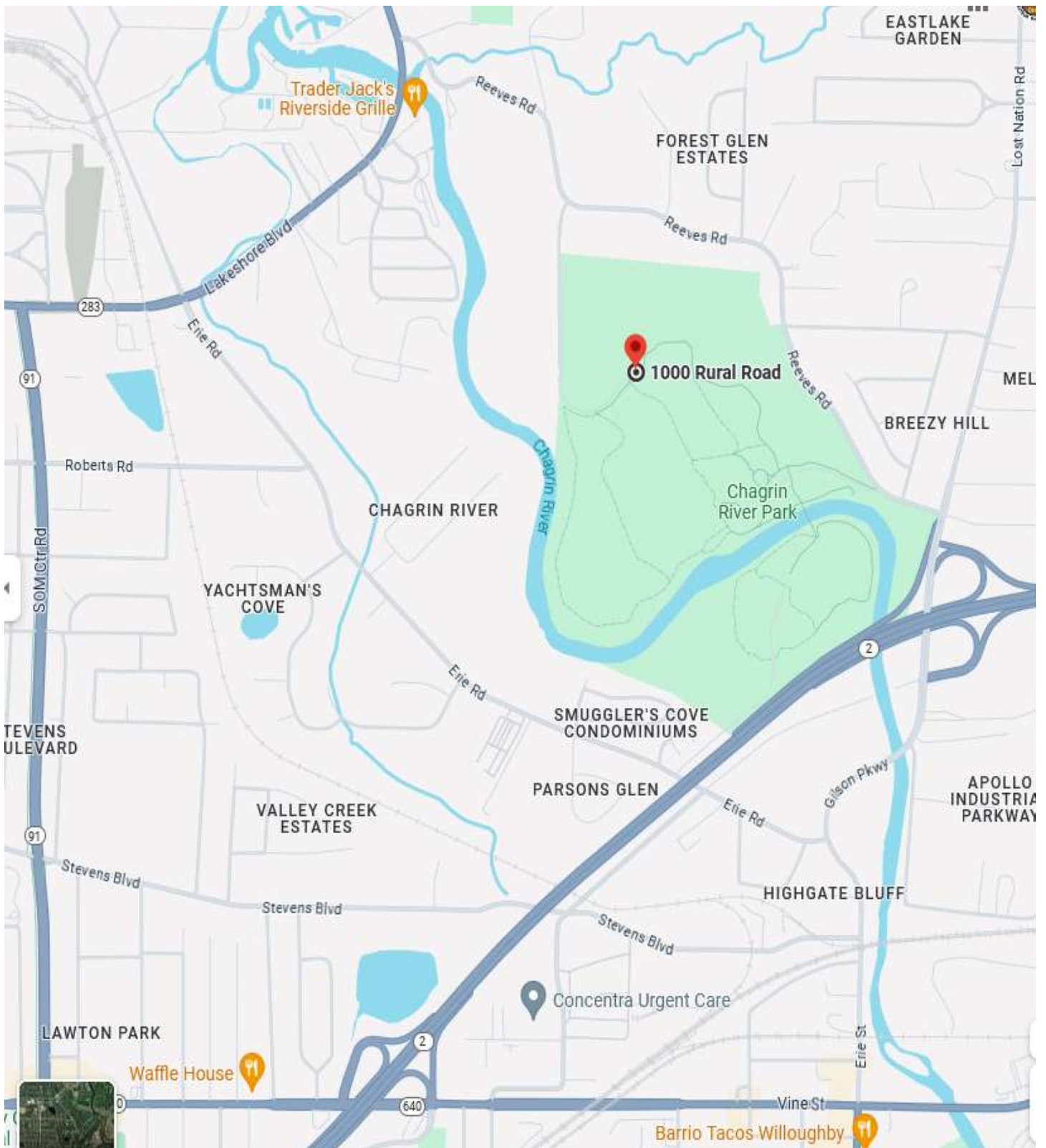
Have a great and safe 4th of July and hope to see you at our picnic meeting.

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.

LCARA Picnic Location



Membership Meeting Minutes

Membership Meeting Minutes for 6/5/24

Board Members Present:

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

Attendees:

Ed KB8BKE	Tom KE8HJL
Neil N1FX	Bill N8IJG
Bob W2THU	Jim AA8OY
Ken KF8BJQ	Kip KE8JPO
Chris W9TEK	Joe KE8ZIN
Bob K8BL	Marty KE8QWI
Dave KE8WOC	Bob KF8AIM
Bob K8QXO	Larry WB8PHI
Bill K8WCL	Bob N8KBX
Evan W8LSQ	Rick W8QL
Joe N8JKO	Jack KB8OF

President: ED K8BKE

- The meeting was called to order at 7:33 am and was held at Tri-Point Physicians Pavilion.
- The minutes from the May meeting were approved.

Member At Large: Joe (N8IKO)

- The Picnic is July 13th at 5 pm to 9 pm at Lake Metroparks Chagrin River Park. Please bring a dish to share.
- Tom Sly - Ohio section director is willing to give presentations

New Business:

- Field Day:
 - If some has interesting info on Field Day, please feel free post it on the LCARA Facebook page.
 - Thus far we have a commitment for 2 stations. If you are interested in running a station let Jim know.
 - Neil volunteered to do radio grams
 - We do have the barn available.
 - Consider have a 2M HT net for the different stations to communicate.
- Thoughts on next meeting on July 3rd – should we cancel and meet at the picnic. – Motion approved.
- ARRL and Log Book of the World got hacked.

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

Radio / Repeaters: Bill N8IJG:

- On Monday's ARES net there was a hum . Ed and Bill replaced the repeater power supply which eliminated the hum. It is operating normally.
- We are going to purchase a new Power Supply
- Thursday 2 m net at 7 am will be broadcast on YouTube – search for N8IJG.
- June 20th 2m net will be run by ED. We are looking for net controllers. If you are interested contact Bill or ED.

Secretary Report: Tom (KE8HJL)

- Nothing to Report

Treasurer Report: ED (KB8KBE):

- We have 56 members.
- The Treasury is in good shape.

Sunshine: Bob (K8QXO)

- Please keep Cal and his family in your prayers
- Tom (KD8SJG) lost his partner recently.
- Jim Pyle is getting surgery.

DX Report: Jim (AA8OY)

- See Jim's Report

Public Service: Mike (WB8ZGH)

- Nothing to report

Historical Society: Bob (K8QXO)

- Nothing to report.

ARRL Liaison: Bob (W2THU):

- Nothing to Report

Ohio Legislative Liaison: Bob (W2THU)

- No news on legislation.

VE Testing: Don (WA8TWM)

- Nothing to Report

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

ARES: Joseph (N8JKO).

- The nets are 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)

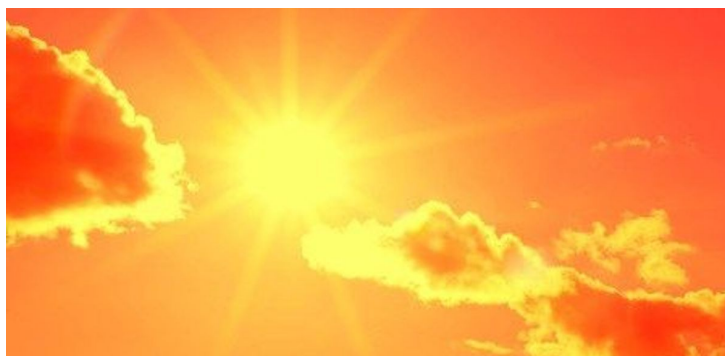
Wednesday: 8:30 pm. – Lake Co. ARA 10 Meter Round-Table Net – 28.450 MHz +/-

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

50/50 Raffle - \$25 total - Bob won and donated his winnings to the club

Meeting adjourned at: 8:15 p.m.

Tom (KE8HJL)



Sunshine Report for June 2024

by: Bob Mekinda K8QXO

No Report

Backscatter for June 2024

by: *Scott Farnham KO8O*

LCARA Historian



BACKSCATTER

130 Years Ago: Politicians and electricity: Units for the measurement of electrical magnitudes were adopted into U.S. law by President Grover Cleveland “to define and establish the units of electrical measure” for the ohm, ampere, volt, coulomb, farad, joule, watt and henry. Extra credit is available for anyone knowing the difference between a joule and a watt.

127 Years Ago: Guglielmo Marconi received a U.S. patent for a wireless telegraph (No. 586,193).

72 Years Ago: The first Dayton Hamvention, originally known as the Southwestern Ohio Ham-vention, is held in downtown Dayton, attracting 600 attendees. After peaking around 35,000 in 1994, recent attendance has been as high 29,296 in 2017.

45 Years Ago: LCARA’s 1st Field Day is history! Held at an abandoned farm in Thompson, the ambiance is perfect for an emergency preparedness test. There is a freshly burned barn, a ruined house, and equipment shed open on one side, but crushed on the other. Despite temperatures dipping into the mid 40’s, 1010 Q’s are made.

The FCC adopts a Notice of Inquiry into implementation of a Personal Radio Service at 900 MHz

40 Years Ago: Mentor proposes an antenna ordinance that would limit antenna height to as low as eight feet, with none allowed on the roof. Fortunately, a sharp eyed ham catches a small notice in the News Herald about the proposed zoning ordinance, and over 40 hams appear at the commission’s meeting. A new proposal is hammered out the following week, allowing antennas up to 60’, as long as they are at least 20’ from the property line.

Thanks to the Freedom of Information Act, the FCC’s file on the Russian Woodpecker becomes public. “The signal (of this over-the-horizon radar) has a repetition rate of ten pulses per second. Its bandwidth varies from 30 KHz to 500 KHz. Its activity does not appear to have any definite pattern. It may stay on a given band for only a few seconds, or it may remain constant for several hours. It has been observed throughout the HF spectrum from 6 MHz to 28 MHz” Several transmitters are identified, one near Minsk, a second on the east coast of Siberia, and a third one near the Mongolian border in Abalakovo.

35 Years Ago: Dr. Deviation, otherwise known as Rusty, WA8HAR will be the program at the July meeting. He will have a spectrum analyzer and other equipment to measure the deviation and performance of any member’s HT, and weather permitting, mobile rigs as well.

30 Years Ago: Rusty, WA8HAR resigns as Radio Officer. Eric, KF8YK has agreed to take Rusty’s place.

The Friday Ham Lunch moves to the Lithuanian House on East 185th Street. This is definite-LY an improvement from the previous Burger King venue.

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

The FCC announces they will auction off three ham bands. Hams lose allocations at 2390-2400 MHz, 2402-2417 MHz, and 4660-4685 MHz. Bob, K8BL points out we can be comforted by the knowledge the funds raised by the auction will be used wisely by our representatives in Washington.

25 Years Ago: While Riley Hollingsworth was addressing a forum at the Dayton Hamvention, two of his inspectors were doing a different job. Dressed as convention attendees, they were looking for violations of the various FCC rules, including power amps capable of operating on 11 meters. Three exhibitors were found with such amps, as well as two manufacturers displaying export-only amps without a disclaimer that the model was not for sale in the US. All were warned that future violations would result in a minimum \$7000 fine.

The Morse Code debate makes the front page of the Wall Street Journal. In an article by staff reporter Lee Gomes headlined "TO HAM OPERATORS, MORSE CODE TEST IS LIKE LATIN EXAM: Does It Keep the Barbarians At Bay, or Is It Fueling The Decline of a Culture?" the code versus no-code debate is discussed. "Morse Code is a dying language in the Digital Age, but it's still required reading for amateur radio buffs" Gomes' story begins. He cites Bruce Perens, K6BP of No Code International, who in Gomes words, considers Morse code "an antiquated technology" and "a turnoff for young people." "Perens is in the minority" Gomes asserts. "Most licensees don't want any change in the requirement – especially since they have already passed the test themselves." Perens points out those applicants still will have to pass "rigorous tests" to get a ticket, besides "the riffraff have no reason to leave the Internet." The article is silent on the issue of ITU regulations requiring Morse proficiency for HF operation, and at one point refers to Morse code as "dits and duhs."

20 Years Ago: AMSAT Echo is launched from the Russian Baikonur Cosmodrome. Initial telemetry looks excellent.

15 Years Ago: The July meeting is held at Penitentiary Glen Park in Kirtland.

11 Years Ago: The world's last telegram was sent in India, the last major country to shut down telegram service. The 163-year-old service was no longer needed, as e-mail and texting had replaced bicycle telegram messengers. In Great Britain, telegram delivery ceased in 2008, while the U.S it was terminated in January of 2006.

10 Years Ago: Alpha Amplifiers and TEN-TEC merge, becoming RF Concepts.

5 Years Ago: VP Larry, K8LPC notes that LCARA will be providing communication for the Lake Health Systems "Hill Yeah" half marathon.

DX Alert

by: *Jim Pyle AA8OY*



JULY 2024 DX Alert

MALAWI, 7Q. Marc, M0CMC is QRV as 7Q5MLV while working at Mzuzu University. He is active on 80 to 10 meters using CW and SSB.

PHILIPPINES, DU. Christian, F4EBK is QRV as DU3/F4EBK from Luzon Island, IOTA OC-042, until early 2025. Activity is on 20, 15 and 10 meters typically around 0900 and then after 2100z.

ST. PIERRE AND MIQUELON, FP. Eric, KV1J will be QRV as FP/KV1J from Miquelon Island, IOTA NA-032, on July 2 to 16. He plans to operate on 80 to 6 meters using primarily SSB and FT8, plus some CW, RTTY, and FT4.

ITALY, I. Members of ARI Genova will be QRV with special event station I11IALA from La Lanterna, the Lighthouse of Genoa, from June 29 to July 3. Activity will be on the HF bands approximately between 0700 and 1600z on a daily basis.

MALAWI, 7Q. Marc, M0CMC is QRV as 7Q5MLV while working at Mzuzu University. He is active on 80 to 10 meters using CW and SSB. QSL via operator's instructions.

WEST MALAYSIA, 9M2. A large group of operators will be QRV as 9M4TOTA throughout the state of Terengganu on June 28 and 29. Activity will be on 80 to 10 meters using CW, SSB, and FT8. QSL direct.

PHILIPPINES, DU. Christian, F4EBK is QRV as DU3/F4EBK from Luzon Island, IOTA OC-042, until early 2025. Activity is on 20, 15 and 10 meters typically around 0900 and then after 2100z. QSL via F4EUO.

BOSNIA AND HERZEGOVINA, E7. Special event station E7100RADIO is the special call sign for the Bosnia and Herzegovina IARU member society ARAuBiH to celebrate 100 years of amateur radio innovation, community, and advocacy. QSL via operators' instructions.

FRANCE, F. Special event station TM62FLAM will be QRV between June 29 and July 3 during the Olympic Torch relay. QSL via F5KAI.

ST. PIERRE AND MIQUELON, FP. Eric, KV1J will be QRV as FP/KV1J from Miquelon Island, IOTA NA-032, on July 2 to 16. He plans to operate on 80 to 6 meters using primarily SSB and FT8, plus some CW, RTTY, and 6I ZT and Hal, W8HC are QRV as FS/W6I ZT and FS/W8HC, respectively, until July 2. QSL FS/W6I ZT via KL7OR and FS/W8HC to home call.

WALLIS AND FUTUNA ISLANDS, FW. A group of operators are QRV as FW7JV from Wallis Island, IOTA OC-054, until July 2. Activity is on 160 to 20 meters. QSL via HA7RY.

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ITALY, I. Members of ARI Genova will be QRV with special event station II1IALA from La Lanterna, the Lighthouse of Genoa, from June 29 to July 3. Activity will be on the HF bands approximately between 0700 and 1600z on a daily basis. QSL via IQ1GE.

MINAMI TORISHIMA, JD1. Take, JG8NQJ is QRV as JG8NQJ/JD1 from Marcus Island, IOTA OC-073, and here for about three months while working at the weather station. Activity is in his limited spare time on the HF bands using CW and some FT8. QSL direct to JA8CJY.

AUSTRIA, OE. Special event station OE70VIE is active until September 30 to commemorate the 70th anniversary of the Vienna International Airport. QSL via OE6VIE.

UKRAINE, UR. Special event station EM100WJZ will be QRV from July 1 to December 31 to commemorate the 100th anniversary of the first amateur radio activity from the ancient city of Lwow, now known as Lviv.

INDONESIA, YB. Operators YB9MKF, YC9MFD and YD9LAU will be QRV as home calls/P from Semau Island, IOTA OC-241, from July 4 to 7. Activity will be on the HF bands

CAMBODIA, XU. Tom, DL7BO is QRV as XU7GNY until July 21. Activity is on 160 to 6 meters using CW, SSB, and FT8.

AMERICAN SAMOA Fresh off his VK9LA operation, YL2GM, Yuris, goes to American Samoa June 26-July 10 to operate as K8K.

SOUTH COOK ISLANDS, (OC-013, OC-083): ZL2KE and ZL4CZ, both named Steve, will operate from the South Cook Islands July 20-August 1. They will be on Rarotonga (OC-013) for the RSGB IOTA Contest, then on Aitutaki (OC-083) August 1-6. ZL2KE will sign E51KEE, while ZL4CZ will sign E51CZZ. There is some overlap between their schedules; E51KEE will arrive on Rarotonga one week before E51CZZ, and will go to Aitutaki three days before E51CZZ. They say that they will mainly be on 20, 15 and 10M CW and SSB, and secondarily on 40, 30, 17 and 12M. Both 160 and 80M are "possible" depending on interest from DXers and local static levels

VK3XB, 5Z, Mark is QRV again from his "home station" in Westlands, Nairobi, Kenya as 5Z4XB. He is using an ICOM IC-7300 at 100W to a long wire. Activity is mostly on FT8 on 17, 15, 12, 10, and 6M.

MALDIVES 8Q, OE3DEC, Christian, will be operating as 8Q7EC from Embudu Village Island July 1-12. Listen for him operating holiday style on 20M SSB and possibly other bands

BOTSWANA, A2. A2JGL, John, moved to Ghanzi, Botswana at the end of 2023. He has a small station just outside Ghanz

Happy hunting!
Jim, AA8OY
Thanks to ARRL DX

Upcoming Contests: (from the OSJ)

Contest	Start Date	End Date
IARU HF World Championship	7/13/2024	7/14/2024
North American QSO Party - CW	8/3/2024	8/4/2024
10-10 Intl. Summer Contest, SSB	8/3/2024	8/4/2024
WAE DX Contest - CW	8/10/2024	8/11/2024
Maryland-DC QSOP	8/10/2024	8/11/2024
North American QSO Party - SSB	8/17/2024	8/18/2024
World Wide Digital DX Contest	8/24/2024	8/25/2024
Hawaii QSOP	8/24/2024	8/25/2024
Ohio QSOP	8/24/2024	8/25/2024
Kansas QSOP	8/24/2024	8/25/2024
Colorado QSOP	8/31/2024	9/1/2024

Upcoming Ham Fests: (from the OSJ)

<p>07/06/2024 - Mansfield Mid Summer Trunkfest Location: Mansfield, OH Type: ARRL Hamfest Sponsor: Intercity Amateur Radio Club Website: http://W8WE.ORG Learn More</p>	<p>07/20/2024 - NOARSFEST Location: Elyria, OH Type: ARRL Hamfest Sponsor: Northern Ohio Amateur Radio Society Website: http://www.noars.net Learn More</p>
<p>07/20/2024 - Ashtabula County Hamfest 2024 Location: Pierpont, OH Type: ARRL Hamfest Sponsor: Amigos Radio Club Ashtabula Website: https://sites.google.com/view/arca-home/ Learn More</p>	<p>07/21/2024 - Van Wert Hamfest Location: Van Wert, OH Type: ARRL Hamfest Sponsor: Van Wert Amateur Radio Club Website: http://w8fy.org Learn More</p>
<p>08/03/2024 - 2024 Columbus Hamfest Location: Grove City, OH Type: ARRL Hamfest Sponsor: Aladdin Shrine Audio Unit Website: http://www.columbushamfest.com Learn More</p>	<p>08/10/2024 - Cincinnati Hamfest Location: Owensville, OH Type: ARRL Hamfest Sponsor: Milford ARC Website: https://CincinnatiHamfest.org Learn More</p>

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08/18/2024 - [Warren Hamfest](#)

Location: Cortland, OH

Type: ARRL Hamfest

Sponsor: Warren Amateur Radio Association

Website: <https://www.w8vtd.com/>

[Learn More](#)

09/08/2024 - [Findlay Hamfest](#)

Location: Findlay, OH

Type: ARRL Hamfest

Sponsor: Findlay Radio Club

Website: <http://w8ft.org>

[Learn More](#)

09/22/2024 - [Cleveland Hamfest](#)

Location: Berea, OH

Type: ARRL Hamfest

Sponsor: Hamfest Association of Cleveland

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

[Learn More](#)

10/05/2024 - [Northwest Ohio Amateur Radio Club \(NWOARC\) Hamfest](#)

Location: Lima, OH

Type: ARRL Hamfest

Sponsor: Northwest Ohio Amateur Radio Club, Inc.

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

[Learn More](#)

Ohio QSO Party

The Ohio QSO Party is an opportunity for amateur radio operators around the world to celebrate the great state of Ohio. OhQP has a mail list (reflector) on groups.io. Go to groups.io and search for Ohio QSO Party sponsored by MRRC or send an email to OHQP+subscribe@groups.io. This is the only place on the web to get "official" information on the Ohio QSO Party. We are not on FaceBook, Twitter or anywhere else. Since 1999 the Mad River Radio Club has brought you the Ohio QSO Party.

Objective:

For Amateurs inside the state of Ohio to make contact with as many Amateurs as possible both inside and outside of Ohio. For Amateurs outside the state of Ohio to make contact with as many Ohio stations as possible. Non-Ohio stations may work only Ohio stations, while Ohio stations may contact anyone.

Period:

The Ohio QSO Party occurs on the fourth Saturday of August. The contest period extends from 1200 EDT [noon] to 2400 EDT [midnight] (1600Z Saturday until 0400Z Sunday). All stations may operate the full twelve hours.

Bands & Modes:

CW and SSB on 160, 80, 40, 20, 15, and 10 meters. Stations may be worked once per mode on each band; i.e. K8MAD may be worked on both 40 CW and 40 SSB for point credit. Each station may be contacted 12 times (once per each of the 6 bands and once per mode on each band). Suggested activity frequencies:

160m cw: 1.815 | ssb: 1.850

80m cw: 3.545 | ssb: 3.825 Try 80m during the day light hours for nearby activity.

40m cw: 7.045 | ssb: 7.200

20m cw: 14.045 | ssb: 14.250

15m cw: 21.045 | ssb: 21.300 Try 15 meters on odd GMT/EDT hours (17,19,21,23,01,03).

10m cw: 28.045 | ssb: 28.450 Try 10 meters on the even GMT/EDT hours (16,18,20,22,00,02);

ARRL News:

ARRL Systems Service Disruption

6/21/2024

ARRL staff continue to work with outside industry experts to ensure that all servers have been remediated, tested, and all data has been confirmed. We have also been working to ensure that the network is secure. As noted in previous updates, Logbook of The World® servers and data are fine and working. LoTW® has dependencies on other servers, for example membership data, which have not yet been returned to service. We will announce when LoTW is open for user access. We anticipate that the queue will grow quite large once live, and we are evaluating ways to manage that potential issue.

As a reminder, 2024 [ARRL Field Day](#) is this weekend. We note that some groups have scaled back or cancelled their outdoor plans due to excessive heat or severe weather threats. Please use caution this weekend (visit [Heat.gov](#) for heat and health information). Enjoy Field Day. The Field Day bulletin will be transmitted from W1AW and K6KPH as scheduled (see PDF [schedule](#)). Your Field Day results may be uploaded to <https://field-day.arrl.org/fdentry.php> or mailed to ARRL after the event.

This story will be updated with new developments.

06/28/2024

ARRL has partnered with the Italian antenna manufacturer Momobeam to design a dualband beam antenna to help take full advantage of the exciting opportunities for distant contacts. The ARRL Dual-band [Momobeam 6/10 Antenna](#) is an easy-to-use antenna with a small footprint and a big reach. The beam features a 10 meter Moxon (28 MHz) and 6 meter Yagi (50 MHz).

At just over 10 pounds and with a turning radius of approximately 6.5 feet, the design is compact enough to fit places that otherwise wouldn't have space for a beam antenna. It comes with two sets of hardware for both permanent installation and portable use for temporary deployments. It is lightweight and can be turned with a simple TV rotator."

The 10-meter Moxon is an effective design for this dual-band antenna, as it's around 30% smaller than a traditional Yagi and uses no traps or other shortening techniques that reduce performance. The feed system uses an open sleeve feed method, coupling the driven element of the 50 MHz section by proximity and length to the 10-meter driven element with minimal loss.

More information about the antenna can be found at www.arrl.org/beam where future content will also be published. While this antenna was produced exclusively for ARRL, Momobeam offers many of its popular antenna designs in the US through its partnership with [Ham Radio Outlet](#).

The ARRL Dual-band Momobeam 6/10 Antenna is available from the ARRL Store at www.arrl.org/shop (ARRL Item No. 0084, \$299.95 retail plus shipping, handling, and sales tax where applicable. Available to ship in the US, only. Call 860-594-0355 or, toll-free in the US, 888-277-5289).

Ham Radio Trivia Quiz (Answers on page 24)

The one hundred sixty meter band went to war during WW Two to be utilized in radio navigation system called _____?

- A: GPS
- B: E L F
- C: LORAN
- D: ASDIC

At short ranges, the best reception occurs when the receiving antenna is oriented the same way as the transmitting antenna.

- A: True
- B: False

What does "current feed" imply?

- A: The current source from a power supply.
- B: A method of feeding an end-fed half wave antenna.
- C: A method of feeding an end-fed quarter-wave antenna.
- D: A method of feeding a water stream in a water-cooled amplifier.

What is the opposite of "conductance"?

- A: Luminance
- B: Resistance
- C: Reactance
- D: Brilliance



VE Testing Sessions HAM EXAMS

The Lake County Amateur Radio Association will be holding Amateur Radio license exams on the following dates in 2024:

Saturday, August 3rd Saturday, October 5th

Saturday, December 7th

Testing sessions are held on the first Saturday of every even-numbered month (e.g., February being the second month, etc.) at the Kirtland Library, 9267 Chillicothe Road. The library is 1.7 miles south of I-90 on Route 306 (Chillicothe Rd) and shares a driveway with the Kirtland Municipal Center.

The tests will start at **12 noon**. Please arrive 15 minutes earlier.

To take an exam, you will need a NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, use this link:

https://www.arrl.org/files/file/VEs/NCVEC_Form_605_July_2022_INTERACTIVE.pdf

. 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, instructions can be found here;

<https://www.fcc.gov/wireless/support/knowledge-base/universal-licensing-system-uls-resources/getting-fcc-registration>

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 now 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

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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 2021



Mark your calendars!

The next meeting of the Tuesday Morning Breakfast Group is July 16th . 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 virtually online on the second Wednesday of each month.

. 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)

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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)

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)

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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)

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



July 2024

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

QRZ Ham Radio Trivia Quiz Answers

The one hundred sixty meter band went to war during WW Two to be utilized in radio navigation system called _____?

A: GPS

B: E L F

C: **LORAN (Correct)**

D: ASDIC

At short ranges, the best reception occurs when the receiving antenna is oriented the same way as the transmitting antenna.

A: **True (Correct)**

B: False

What does "current feed" imply?

A: The current source from a power supply.

B: A method of feeding an end-fed half wave antenna.

C: **A method of feeding an end-fed quarter-wave antenna (Correct)**

D: A method of feeding a water stream in a water-cooled amplifier.

What is the opposite of "conductance"?

A: Luminance

B: **Resistance (Correct)**

C: Reactance

D: Brilliance

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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.*