10 METER ROUNDTABLE
WEDNESDAY NIGHT @ 2030 HRS
28.450 MHz

LCARA TWO METER NET
THURSDAY EVENING @ 1900 HRS

LCARA WEBSITE
LCARA.ORG

The PATCH
Published by the Lake County Amateur Radio Association
P.O. Box 868
Painesville, OH 44077-0868

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Larry Caskey K8LPC Vice-President
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- Trustee, N8BC: Bob Liddy K8BL
- Web Master LCARA: Bill Wihebrink N8IJG

May’s meeting is at the Lake County Historical Society
415 Riverside Drive
Painesville Township, Ohio 44077
http://lakehistorycenter.org/
Meeting @ 7:30 pm on May 1st
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Minutes from April 3, 2019 Meeting

Board Members Present:

- KB8BKE – Ed – President
- K8LPC – Larry - Vice President (and acting Secretary)
- N8JKO-Director at Large

Meeting Minutes:

- The meeting was called to order at 7:30 PM by Ed – KB8BKE.
- The Presentation was provided by Joe N8JKO on “How to Survive Hamcation."
- Following the Presentation, the monthly meeting began at 8 PM and began with the Pledge of Allegiance followed by a round of introductions.
- There were no additions or corrections to the Patch.
- There was no correspondence.
- Treasurer report: Ed-KB8BKE stated that the Treasury is in good shape.
- No board meeting report
- No ARRL report
- No new members at this meeting.
- Jim – AA8OY gave a very detailed DX report.
- Education report, Ed-KB8BKE reported the AED / CPR class was scheduled for April 17th. Both Ed-KB8BKE and Joe-N8JKO stated that the Boy Scouts Merit Badge class which occurred on March 23rd at the Lake County Historical Society went very well and thanked Larry-K8LPC for working the event “Off Site” assisting the scouts in making their first radio contact.
- Public Service Report: Mike – WB8ZGH Mike stated that a “Sign-Up” sheet for the Lake Health Systems Running Series 10 & 20 Mile Drop Run on April 14th is available and stated that the event has been listed on ARES Connect noting that he would prefer volunteers sign up on both.
- Communication Team: Bill-N8IJG stated that all of the repeaters and remote sites were in service and fully operational as well as the website, noting that he may put the Thursday Night Net on U-Tube on a monthly basis.
- 2 meter Net: Bill-N8IJG stated that the LCARA Thursday net continues at 7:00 PM on the 147.21 repeater.
  1. 2 meter ARES Net: THE ARES net continues each Monday at 7:30 PM on the 147.21 repeater.
  2. 10 meter Net: Mike-WB8ZGH stated that 10 meter roundtable continues each Wednesday at 8:30 PM on 28.450.
- Swap and Sell: No new items; however, I have been contacted by Paul KA8VLA who stated that he is preparing a list for me.
- Old Business: None.
- New Business: ED-KB8BKE reported that the change over from Yahoo Groups to Groups. IO was going well with 30 + members already signed up.
- Ed-KB8BKE stated that LCARA will be participating in “NVIS Day” on April 27th at the Historical Society.
- There were 24 members at the meeting which included: Ed-KB8BKE, Joe-N8JKO, Melody-KB8QIB, Larry-WB8PHI, Bob-K8QXO, Bill-W8BBL, Larry-N8OWS, Jim-W8MIJ, Cal-W8ZP, Mike-WB8ZGH, Jim-AA8OY, Larry-K8LPC, Don-WA8TWM, Neal-NF1X, Tom-KD8SJG, Sally-N1BCF, Pete-W1BZK, Tom-N8UAZ, Bill-N8IJG, Jeff-K8LAR, Bob-W2THU, Bob-K8BL, Dick-W8GQO and Andy Fortier.
- Larry-K8LPC noted that we have 47 paid members to date.
- Bob Winston-W2THU won the 50-50 raffle, several others won hats.

Meeting adjourned at 8:50 PM

Larry – K8LPC
April Attendance


Silent Key

Obituary for John "Jack" H. Bricker

John "Jack" H. Bricker age 73 of Mentor, died Thursday February 21, 2019 at home. He was born March 8, 1945 in East Cleveland, OH.

Mr. Bricker retired from Glenridge Machine Co.

Jack enjoyed travel, shooting pool, golf, and amateur radio as KB8WC.
Greetings Everyone ☺

May has arrived, and I’m hoping that it gets warm enough for my boiler to turn off, some “Global Warming”.

April was a busy month. Joe’s (N8JKO) presentation on “How to Survive Hamcation” went very well. On the 14th Members from LCARA and GARA worked the Lake Health Systems 10 and 20 Mile Drop Run. The cooperation that I had as Net Control from both teams was outstanding. We all worked in the rain and wind (some more than others), with temperatures in the mid to upper thirties. When it was all said and done, we watched over 400 runners, there was not a single report of an accident, injury or need of a transport, we didn’t even have any train delays. So while working the event was more than a notion, everyone excelled and exceeded every expectation. On the 17th several attended the CPR / AED Training Class at Tri-Point which was sponsored by LCARA. The instructors were excellent; and I am pleased to announce that everyone passed and will be certified for the next two years. The National Parks Week event at the “Garfield Home” had to be cancelled due to the expectation of inclement weather; however, the NVIS Day is still planned for the 27th.

If anyone has equipment that they would like to sell / swap or give away, please send me an e-mail. I will get the information to Melody KB8QIB so she may add it to our newsletter, let’s help to stimulate the economy or at least make some room in our radio rooms. The same applies to “Wants”, if you are looking for some gear, please let me know. Posting in our newsletter brings the information to a large audience.

Our weekly nets continue, every Monday, we have the Lake County ARES Net time at 7:30PM; we have the LCARA Weekly Net on Thursdays at 7PM. These Nets are on our 147.21 repeater which requires a PL tone of 110.9. On Wednesdays we have our 10 meter roundtable on 28.450 at 8:30 PM. Please take some time to visit us on any or all of our Nets, we will be glad to have you, these are also posted on ARES Connect.

Our next VE session will be on June 1st at the Kirtland Public Library beginning at noon. Please arrive a few minutes to get your paperwork in order before the testing session begins.

The next LCARA Board meeting will be at the Tri-Point Facility on Wednesday May 8th in the Board room at 7 PM.

Our next breakfast gathering will be on Tuesday May 21st at the Perkins in Painesville. Come join us about 8 AM for good food and fellowship.

I’m looking forward to seeing everyone at the Lake County Historical Society on Wednesday May 1st at 7:30 PM, bring a friend ☻

73 de Larry Caskey K8LPC

LCARA Vice President

K8LPC@ARRL.NET
BACKSCATTER

170 Years Ago: The telegraph register is patented by Samuel F. B. Morse. The patent incorporates the basic features of an earlier receiver plus a method for marking dots and dashes on paper. Within ten years after the first telegraph line opened, 23,000 miles of wire crisscrossed the country.

86 Years Ago: QRN? The discovery of radio waves from the centre of the Milky Way galaxy is described by Karl Jansky of Bell Telephone Labs in Holmdel, N.J. They are very low intensity, short wavelength (14.6 m, frequency about 20 MHz) and require sensitive apparatus for their detection. Found when researching the source of static hiss, their intensity varied regularly with the time of day, and with the seasons. They came from an unchanging direction in space, independent of terrestrial sources.

44 Years Ago: The first home videocassette recorder, the Betamax, began sales in Japan. The format made by Sony used one-hour tapes, but a competing system was introduced by JVC in the next year called VHS (Video Home System) capable of two-hour recording. Both companies shortly introduced models with twice those playing times. Betamax was more complex, and was more expensive to manufacture and maintain. Within a few years VHS was the clear winner in the marketplace, and although Sony continued production, in 2001 they made fewer than 3,000 VCRs, sold only in Japan. It was discontinued in 2002.

40 Years Ago: Happy birthday to LCARA, now one year old. And what a year! The repeater moves twice, the first hamfest is held, the club’s Constitution and logo are created, and the club incorporated. In addition, there’s now an autopatch as well as an announcement tape on the repeater, and club membership is over 50.

One of the worst storms in years hits the area on April 5th, and it’s too much for one of the eye bolts on the repeater’s guy wires. As a result, the tower is totaled, laying across the roof of Lake East, then bending 90 degrees and continuing down several floors. Amazingly, the repeater is back on the air that evening, using leftover tower sections and an antenna from the previous installation.

35 Years Ago: The Patch is honored by 73 Magazine by being selected Newsletter of the Month. Editor Gary, KC8GN, shares the credit with the team that produces the newsletter, George, Shirley, Bob, Rusty, Chuck, Jim, Fred, Joe and Dale.

The FCC tosses out Commercial Operator licensing, stating that the repair and maintenance of equipment in the private land mobile, fixed microwave and domestic fixed radio services can be done by anyone deemed qualified by the owner of the equipment. This eliminates Radio-Telephone General, First and Second class licenses.
Backscatter cont’d.

The FCC lifts restrictions on the use of 1.9 to 2.0 MHz, making 160 meters 100% ham. The restrictions had been in place to protect Canadian LORAN stations, which closed in December.

30 Years Ago: The ARRL proposes a new code free license, to be known as Technician. It would offer all privileges above 30 MHz, except for 2 meters, where licensees would only be allowed packet between 144.9 and 145.01 MHz. Existing Technicians would move up to a new class to be called Technician Plus.

25 Years Ago: Denny, AA8FO, often known as ah foo, sounds off with Cheers and Jeers. Holding the thankless job of Hamfest Raffle Chairman, he cheers Mark N8AUX, Tim WD8RNG, and Mike KB8RKF for leading the way to sales of 1656 tickets. He then goes on to jeer the one member who returned his 10 unsold tickets “postage due”.

20 Years Ago: Terry Sterman, W9DIA, founder of AES in the ’50’s, SK

15 Years Ago: LCARA moves downstairs. Due to a planned electrical outage on the upper floor of the Mentor Civic Center, the May LCARA meeting moves down a floor.

10 Years Ago: The program at the May meeting is “Log Book of the World” by Rick White, W8QL.

5 Years Ago: LCARA’s program is Chief Mike Warner of the Concord Township Fire Department, amongst other topics giving “10 Tips for Fire Safety.” According to The Patch, one of them is “matches and lighters vs versus kids.”

LCARA Historian
Scott, KO8O
DX Alert, May 2019

9G – Ghana - Matteo, IZ4YGS is QRV as 9G5GS from Sanzule, West Takoradi until May 7. Activity is in his spare time on 160, 80, 60, 40, 30 and 20 meters using mostly SSB and FT8.

FO – French Polynesia, Rich, KE1B and Anna, W6NN will be QRV as FO/KE1B from Mo'orea until May 3. Activity is mostly on 20 meters using FT8 with 10 watts.

OJ0 - Market Reef - OH3WS, Pasi, will make a trip to Market Reef between April 27 and May 4. He will be operating as OJ0W.

FW/3D2 - Wallis & Futuna/Fiji - FW/G0VJG and 3D2AS, Nobby, says the trip starts May 3 in Fiji, moving on to FW May 7 or 8. He will be on 40, 30, 20, 17, 15, 12, 10 and 6 and 60 if he can. He will probably stick with FT8 when doing digital modes.

4L – Georgia - JH4RHF, Jun, has a work assignment in Tbilisi, Georgia from May 25 to June 2. He plans to be QRV in his spare time as 4L9S, mostly on CW on the HF bands.

6O – Somalia - 6O1OO went active April 19, and will continue until May 15 by op EP3CQ. 6O1OO is active on FT8, SSB and CW, on 80, 40, 30, 20, 17, 15, 12 and 10 meters. Ali expects it will mostly be 40 and 20 FT8.

6W – Senegal - F5VHJ (6W1RY), Albert; F6BEE (6W1RW), Jack; and W6NV, Oliver; are heading to Senegal for the CQ WW DX SSB Contest, May 25 and 26, where they will operate 6W1RY as a multi-two.

9K – Kuwait - 9K2HN, Hamad himself, will operate in the upcoming CQ WW WPX CW weekend May 25-26. Hamad will be single op all band.

FR - Reunion Island - F4HPX, Thomas, is heading back to Reunion Island for three weeks, starting in mid-May. He will be using his FT-891 with 100 watts into a dipole on 40 and 20 meters and an end fed on 40, 20 and 15 meters. Listen for him mainly on SSB and FT8.

J8 - St. Vincent - J88PI by GW4DVB, Brian, will again be active from Palm Island, also known as Prune Island, IOTA NA-025. His activity will be May 7-14, on 40, 20, 17, 15, 10 and 6 CW, SSB, SSTV and FT8.

LX – Luxembourg - Operators from France, Germany, the Netherlands and Luxembourg will be teaming up as LX8SAR from May 10-12. Activity will be on SSB, CW and FT8.

Happy hunting!

Jim, AA8OY
Thanks to ARRL DX and Weekly DX
Field Day 2019

Time is getting short until Field Day 2019. Block out some time on June 22 and 23 to be part of the event. The dates are confirmed with the Historical Society and are published in their newsletter. I’m hoping to have stations for the following: 20/80 CW, 40 CW, 20 SSB, 40 SSB and 75/15 SSB as well as a digital station. I need station captains for all of the above. Our class will be 6A if all of the planned stations are operating. The “A” stands for emergency power and we will use our generators for that. Station captains will have a log of the operators who have worked at the station. I will need that information for submission to ARRL.

If you are interested in operating a GOTA (Get On The Air) station, please let me know. The GOTA station uses a different call sign than the main station and is operated by any person licensed since last year’s FD, regardless of license class. Bonus points are available!

A free VHF station is permitted if it operates exclusively above 50 mHz.

A solar powered station is also bonus points.

Station captains are responsible for organizing their station and providing or arranging for a radio, a logging computer and shelter, including table and chairs. It’s important to confirm the radio is properly interfaced to the computer, which, using N1MM or other logging program, creates the log I need to prepare the ARRL submission. LCARA has tri band antennas and towers for stations operating on 10/15/20 meters. Wire antennas for 40 and 75/80 can usually be found from within the membership.

Members are encouraged to operate. You don’t have to be a station captain to participate.

We always appreciate help at setup and teardown. We can start tower and antenna erection on Friday afternoon after 2:00 PM.

There are many things that need to be done prior to FD, and I have listed them below. If you can assist with any of these, please let me know at AA8OY@ARRL.NET.

- Provide assistance moving equipment at the History Center.
- Provide setup assistance
- Provide teardown assistance
- Help with publicity.
- Provide a shelter/tent if necessary
- Copy W1AW FD bulletin
- Test generators prior to FD to confirm they are fully functional
- Pick up gas and oil for the generators. The club will reimburse the cost of fuel and oil
- Coordinate the setup of a public information table
- Perform the duties of Safety Officer to assure no unsafe situations exist
- Coordinate a Site Visitation by an elected governmental official: One (1) 100-point bonus may be claimed if your Field Day site is visited by an elected government official as the result of an invitation issued by your group.
- Site Visitation by a representative of an agency: One (1) 100-point bonus may be claimed if your Field Day site is visited by a representative of an agency served by ARES in your local community (American Red Cross, Salvation Army, local Emergency Management, law enforcement, etc.) as the result of an invitation issued by your group.

Other things may need to be done as we finalize plans. Your assistance is important in making this a successful FD.

Jim, AA8OY
OHDEN Has Some Changes To Tell You About
(from Gary, NJ8BB & Eldon, W5UHQ)

Due to the continued long skip being experienced on 80 meters during the Ohio Digital Emergency Net (OHDEN) training sessions @2145 local time each Tuesday; OHDEN will temporarily go to Sunday afternoons at 3:00 - 4:00PM.

Training will remain on the prime frequency of 3584.5KHz USB +1500 Hz.

Tests show that this time has much better propagation throughout the state and should allow the best propagation currently possible on 80 meter band. We are currently having to use a North Carolina station for NCS relays later in the evening.

Anything beyond local ground wave and this long skip point have not been reliable during this time of year, time of day, and sunspot cycle for the past three years.

At the same time, W5UHQ is going to start an experimental Olivia / FT8 net on 1805.000 USB +1500 Hz during the normal time slot of 21:45 – 22:45 on Tuesdays.

The objective of the 160 meter net will be to perform signal reports and check for traffic quality circuits on 160 meters from county to county and county to SEOC. Hopefully we can get more stations active on this frequency and as many county control stations as possible to try out their capability. Tests thus far have been great from border to border. I currently have six different stations that have checked into that test frequency. There will be no change to our standard mission call up frequencies at this time. Using alternate times and frequencies is already in our SOP. The Ohio Technical Specialist team will be available to assist ECs in putting up at least a compromise antenna for that band.

These changes be in effect from Jan 15 until March 12 (start of daylight savings time). These changes should allow all members interested in improving the 160 meter readiness of this critical statewide connection under all conditions of solar impacted propagation.
VE Testing in Lake County

Exams are held every other month.

The Lake County Amateur Radio Association will be holding its 2019 Amateur Radio license exams at the Kirtland Library, 9267 Chillicothe Road, on the following dates:

- Saturday, February 2
- Saturday, April 6
- Saturday, June 1
- Saturday, August 3
- Saturday, October 5
- Saturday, December 7

This bi-monthly schedule is the first Saturday of every even-numbered month (e.g., February being the second month, etc.), and will be held at the Kirtland Library, 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 the NCVEC 605 Form, which will be available at the test. If you would like to complete one ahead of time, be sure it is the Sept 2017 version or later. You can find it by Googling “NCVEC quick-form 605” and clicking on the url for a pdf of the form.

Be sure to bring **the original and a copy of both your license and any CSCEs you may have** to the exam. The cost 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
Breakfast Date for May 2019

Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, May 21st** at 8:00 a.m. Breakfast orders start being taken at 8:30 a.m. This group averages 15-20 people from all counties, and it provides a great opportunity to meet other Hams, sell and trade your spare equipment. This is not a club event. Please encourage any Hams or non-Hams to bring your significant other, or a friend, to breakfast. It is a fun gathering.

LCARA Board Meeting

The December Board meeting will be at the Tri-Point facility on **May 8th** @ 7:00 p.m., in the Tri-Point Board room.

To find the Board room, simply continue waling past the regular meeting rooms down the hallway. The Board room is located on the left from the main elevators.

*All members are invited.*
For Sale or Swap

Equipment for Sale: by Bill, N8IJG (call 440.943.1703)

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFJ 8268 Digital SWR/Wattmeter/Freq Readout</td>
<td>$140.00</td>
</tr>
<tr>
<td>Icom IC-756 Pro 3 Transceiver</td>
<td>$1300.00</td>
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<tr>
<td>Icom IC-275H 2 meter All Mode Transceiver</td>
<td>$600.00</td>
</tr>
<tr>
<td>Swan 350C w/117XC PS</td>
<td>$300.00</td>
</tr>
<tr>
<td>Icom IC-275H 2 meter All Mode Transceiver</td>
<td>$600.00</td>
</tr>
<tr>
<td>Swan 350C w/117XC PS</td>
<td>$300.00</td>
</tr>
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</table>

Equipment for Sale: by Evan Liechty, W8LSQ (ELIECHTY@windstream.net)

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Icom 718, like new, original box, will demo</td>
<td>$450.00</td>
</tr>
<tr>
<td>Kenwood TS950 SD 150 watts, internal power supply, dual receivers, auto antenna tuner, all of the filters, like new condition, will demo</td>
<td>$475.00</td>
</tr>
<tr>
<td>Yaesu FT901 DE, 180 watts, comes with Turner desk mike with Heil HC 5 cartridge, like new, will demo</td>
<td></td>
</tr>
</tbody>
</table>

Mike, KD8JDL is in the process of disposing of radio tubes from his father’s store. If members could e-mail him with requests and he has the tube, there will be no charge.
For Sale or Swap cont’d.

KA8VLA

<table>
<thead>
<tr>
<th>MFG</th>
<th>Model</th>
<th>Device</th>
<th>QTY</th>
<th>Price</th>
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<tbody>
<tr>
<td>VHF Engineering</td>
<td>RPT-144</td>
<td>Repeater</td>
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<tr>
<td>Wacom</td>
<td>WP-735-1</td>
<td>Duplexer</td>
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<td>Decibel Products</td>
<td>DB-4001</td>
<td>Duplexer</td>
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<td>Scom</td>
<td>7K</td>
<td>Controller</td>
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<td>Heathkit</td>
<td>Linear AMP</td>
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<tr>
<td></td>
<td>Receiver</td>
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<tr>
<td></td>
<td>Cabinet</td>
<td>1</td>
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</tbody>
</table>

System is set up for 145.33

The system was up and functional until it was shut down, I can’t remember when we shut it down, maybe ten years ago.

I would take $1000 for the system as is, if we need to break down the components I would need to be contacted and discuss.

The controller has the autopatch function as well as voice.

I can be contacted via email pum1@roadrunner.com
Events Contact Info.

<table>
<thead>
<tr>
<th>Event</th>
<th>Contact</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARES</td>
<td>WB8ZGH <a href="mailto:mgoffos@ymail.com">mgoffos@ymail.com</a></td>
<td>147.210 MHz</td>
<td>Mondays 1930</td>
</tr>
<tr>
<td>Two Meter Net</td>
<td>Bill N8IJG <a href="mailto:n8ijg@arrl.net">n8ijg@arrl.net</a></td>
<td>147.210 MHz</td>
<td>Thursdays 1900</td>
</tr>
<tr>
<td>Ten Meter Roundtable</td>
<td>WB8ZGH <a href="mailto:mgoffos@ymail.com">mgoffos@ymail.com</a></td>
<td>28.450 MHz</td>
<td>Wednesdays 2030</td>
</tr>
<tr>
<td>LCARA Board Meeting</td>
<td>Tri-Point Board Room</td>
<td>Tri-Point Medical</td>
<td>Wed. 5/8 1900</td>
</tr>
<tr>
<td>VE Testing</td>
<td>Scott, KO8O, at 440-256-0320</td>
<td>Kirtland Library</td>
<td>Sat. 6/1 12:00</td>
</tr>
</tbody>
</table>

LCARA Net Information

Lake County ARES Net

The Net is Every Monday at 7:30 pm on the 147.210 repeater. This net is open to all licensed operators; you do not need to be a member. This net is provided for operators to verify the proper operation of their equipment and verify their stations capabilities in the event of an emergency. Here is your perfect chance to be Net Control or Alternate Net Control. Step forward, no experience is necessary, everyone will help you.

Lake County Two Meter Net

The 2 Meter Net runs weekly. Come join your fellow hams on Thursday’s at 7:00 pm on 147.210 MHz. this is an informal net where the group can discuss any subject for the good of the group, great time to ask those questions, especially from the new operators. List your items related to ham radio that you want to sell or swap and any sunshine announcements to pass on.

N8IJG brings us the ARRL News when available. Bill is always looking for Alternate Net Control Operators. Please check in.

Ten Meter Roundtable

The 10 meter Roundtable meets on Wednesday’s at 8:30 pm on 28.450 MHz. This is an informal roundtable where the group can chat about anything that comes to mind and even correct some of the world’s problems. You don’t need to be a LCARA member, just have at least a Tech ticket and some 10 meter gear. The Roundtable is a good chance to meet old and maybe some new friends this is a “Round Table” anyone can start it off on 10 meters. Any Questions contact WB8ZGH.
Ohio Emergency Preparedness Nets, Columbus EOC
Ohio Emergency Preparedness Net, W8SGT, is on every Tuesday at 7:15 pm. Try 3.902 MHz, tune up and down the band and check in! Follow on Twitter (hashtag W8SGT) for frequency information on the 80 meter band.

Ohio Digital Emergency Net
Ohio Digital Emergency Net is held on Tuesdays at 8:00 pm (0100 UTC).

Ohio Digital Emergency Net
This net is looking for all Ohio Counties to check-in. Learn as you go.
Modes: OLIVIA 8/500/PSK31 alternate, with MT63 1K for bulletins.
Frequency: 3585 KHz, 7072 KHz alternate.
MT63 2K on VHF/UHF with PSK as an alternate (Assigned locally)

The Amateurs Code
By Paul M. Segal, W9EEA (1928)
The Radio Amateur is:
CONSIDERATE….. never knowingly operating 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 ad vocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC..... with station and skill always ready for service to country and community.

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

Voice Repeaters N8BC
147.210 with a .600 MHz+ offset PL tone of 110.9 Hz.
224.500 with a 1.6MHz.-offset, PL tone of 141.3 Hz.
444.650 With a 5.0MHz. +offset, PL tone of 131.8 Hz.
(Repeater & N8BC trustee, Bob Liddy, K8BL)

Web site: www.lcara.org

To receive the Patch via email in PDF format Send an e-mail to lcara_patch-subscribe@yahoogroups.com

The Lake County Amateur RADIO ASSOCIATION
### LCARA CALENDAR OF EVENTS

**May 2019**

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<tr>
<th>Sunday</th>
<th>Monday</th>
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<td></td>
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<td></td>
<td>LCARA Meeting (Lake County Historical Society) 7:30</td>
<td>LCARA Weekly Net 7:00 (147.21)</td>
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<td>ARES Net 7:30 (147.21)</td>
<td>Breakfast 8:00 (Perkins)</td>
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