

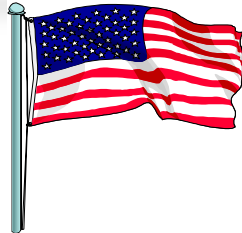


The LCARA Patch

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

The Patch Staff

Editor: Melody Leasko, KB8QIB

LCARA Officers

Ed Kopcak	KB8BKE	President
Larry Caskey	K8LPC	Vice-President
Rick White	W8QL	Secretary
Ed Kopcak	KB8BKE	Treasurer
Joe Koskovics	N8JKO	Director at Large

Standing Committees

ARES/Public Service	Mike Goffos	WB8ZGH
Contest	Reno Tonsi	WT8C
DX	Jim Pyle	AA8OY
Field Day Chairperson	Jim Pyle	AA8OY
Program Director	Joe Koskovics	N8JKO
Historical Society	Bob Mekinda	K8QXO
History	Scott Farnham	KO8O
Publicity	Vance Roth	KA8YHZ
Communications	N8IJG, K8LPC &	W9LAC
Sunshine	Connie Tonsi	KB8ZZW
Trustee, N8BC	Bob Liddy	K8BL
Web Master LCARA	Bill Wihebrink	N8IJG



February's meeting is at Tri-Point Medical Center

Physicians Pavilion (Lower Level)
7590 Auburn Rd., Concord, OH 44077
Meeting @ 7:30 pm on February 5th

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Minutes from December 4, 2019 Meeting

Lake County Amateur Radio Association

Meeting Minutes for December 4, 2019 at the TriPoint Lubrizol conference Room #2

Officers in Attendance: Ed Kopcak KB8BKE, Joseph Koskovics N8JJKO

Member Attendance recorded on sign in.

Meeting called to order at 7:33 pm

Pledge of Allegiance

No guest presentation at this meeting

Reminder was made for the registration and payment for the LCARA Christmas Dinner - December 13, 2019

Report and discussion on the LCARA budget.

Line review report of the proposed 2020 budget, was presented to the membership. Highlights included the costs related to the summer picnic, Christmas Dinner Event, CPR Class, Incorporation fees (State Required), P.O. Box increase, and website security, to which was addressed by Bill (N8IJG).

Note to mention was that in the process of equipment that was sold by LCARA, the receipt of funds was noted in the budget. This was a result of said equipment being donated to LCARA for use or disposition by the association.

Motion to accept the budget was made by Bob Mekinda K8QXO, and seconded by Cal Pengov W8BZP

Newsletter: No Comments or corrections to the Patch (Newsletter)

Correspondence: Communications were received from W8ZX Tusco Amateur Radio Club, Inc (Tuscarawas County, Ohio) regarding their 2020 Hamfest. On Sunday January 26, 2020.

Treasury: The account is in good shape, as per the president.

DX Report: Report was given by Jim Pyle AA8OY.

Public Service: Report given by Mike Goffos WB8ZGH. No event occurred in November, and none are scheduled in December.

Lake History Center: Report provided by Bob Mekinda K8QXO. LCARA has been requested to open the radio room to show to visitors during the Home for the Holidays 2019 event, Fri. Dec. 6 through Sun. Dec 8, 2019 – 11:00 AM – 4:00 PM.

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

Meeting minutes cont'd.

Radio/Repeater Report:

Bill Wihebrink N8IJG reported that due to other activity in his schedule, he has surrendered net control duties for the Thursday evening net, effective as of December 1, 2019. The position is open and available for any interested amateur radio club member to pick up.

Mike Goffos WB8ZGH reported that the 10-meter net is active and welcomes check-ins during the Wednesday night net.

Joe Koskovics N8JKO reported that the 2-meter ARES net will be held on Monday December 9th and 16th, at 7:30pm local time. But due to family commitments, will not be held December 23rd and 30th, 2019. The net will resume Monday, January 6th, 2020. Also, additional operators are welcome to participate on alternate dates as net control. Please contact Joe if you wish to volunteer.

Sunshine Report: Report was given regarding a member who has returned home from a trip to the hospital, and the spouse of another member who is now home from an undisclosed medical issue.

Committee reports concluded.

Comment period included questions about how LCARA can reach and recruit new members that can build our membership roster. Ideas included developing a recruitment plan with pamphlets to new licensees, contacting high schools STEM programs, and the Boy Scouts.

Joe Koskovics N8JKO discussed at length the upcoming possibilities during March, when LCARA will be conducting a Radio Merit Badge class and gave the background on the initial class offering in 2019.

The president proposed that due to the first Wednesday in January 2020 is New Year's Day, the LCARA January meeting be canceled. The membership was open to the suggested, and a voted to cancel that meeting.

Move to adjourn was made from the floor. Second made, and unanimously approved by majority vote.

Meeting adjourned at 8:36pm

December Attendance

Ed KB8BKE	Brian KE8NAG	Bob K8BL
Paul W8PJW	Tom N8UAZ	Don WA8TWM
Donna W8DMP	Bob K8QXO	Joe N8JKO
Mike WB8ZGH	Al W8BZP	John KD8YJY
Cathie AB8GV	Dale KG6WGO	Sally N1BCF
Jim KF8VX	Ron KC8BTN	Pete W1BKZ



Sunshine Report

By Connie, KB8ZZW

Report was given regarding a member who has returned home from a trip to the hospital, and the spouse of another member who is now home from an undisclosed medical issue.

BACKSCATTER

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

92 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.

74 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.

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

The first 2 meter moonbounce 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.

35 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.

20 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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Backscatter cont'd.

25 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.

20 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%, with 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

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

10 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.

5 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.

0 Years Ago: Solar Cycle 25 is expected to start soon and be only slightly stronger than Cycle 24.

LCARA Historian

Scott, KO8O



DX Alert, January 2020

ROTUMA ISLAND, 3D2. 3D2AG/p is QRV until January 5, 2020. Activity is on 160 to 2 meters using CW, SSB, RTTY, JT65 and FT8.

ECUADOR, HC. Antonio, EA5RM is QRV as HC3AGT from Loja. Activity is on 40 to 10 meters using SSB and various digital modes.

OGASAWARA, JD1. Harry, JG7PSJ will be QRV as JD1BMH until January 3, 2020. Activity will be in his spare time on 80 to 10 meters using CW, SSB and RTTY.

SURINAME, PZ. Arie, PA4ARI is QRV as PZ/PA4ARI from Paramaribo until January 7, 2020. Activity is on 80, 40 and 20 meters using SSB, FT8 and FT4.

GABON, TR. Roland, TR8CR has been active on 30 meters using CW around 2000 and 2200z.

CHAD, TT. Nicolas, F8FQX is QRV as TT8SN from N'Djamena for the next three to four years. Activity is on the HF bands and 6 meters.

SOUTH SUDAN, Z8. Diya, YI1DZ is QRV as Z81D from Juba for at least six months. Activity is on 80 to 10 meters using SSB, FT8 and possibly FT4.

THE GAMBIA, C5. G5XW, Russell, will be QRV as C5XW for 10 days starting January 28, operating casually on 40- 17.

ST. LUCIA, J6. January 4-11 J6/AI6LY, John, plans to be on the air.

ST. KITTS & NEVIS, V4. WB4M, Fred, will be QRV as V4/WB4M from St. Kitts starting January 5, 2020 until January 11, 2020. He plans to work on all modes including digital.

Happy hunting!

Jim, AA8OY
Thanks to ARRL DX and Weekly DX



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.

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VE Testing in Lake County

Exams are held every other month.

The Lake County Amateur Radio Association will be holding its **2020** Amateur Radio license exams at the **Kirtland Library**, 9267 Chillicothe Road, on the following dates:



Saturday, February 1

Saturday, April 4

Saturday, June 6

Saturday, August 1

Saturday, October 3

Saturday, December 5



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 January 2020



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, January 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 LCARA Board meeting will be at the Tri-Point facility on **January 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.

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For Sale or Swap

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

MFJ 8268 Digital SWR/Wattmeter/Freq Readout	\$140.00
Icom IC-756 Pro 3 Transceiver	\$1300.00
Icom IC-275H 2 meter All Mode Transceiver	\$600.00
Swan 350C w/117XC PS	\$300.00
Icom IC-275H 2 meter All Mode Transceiver	\$600.00
Swan 350C w/117XC PS	\$300.00

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

Icom 718, like new, original box, will demo	\$450.00
Kenwood TS950 SD 150 watts, internal power supply, dual receivers, auto antenna tuner, all of the filters, like new condition, will demo	\$475.00
Yaesu FT901 DE, 180 watts, comes with Turner desk mike with Heil HC 5 cartridge, like new, will demo	

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.

Check the LCARA website Swap/Sell/Trade page for equipment from the Bricker's estate.

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Events Contact Info.

Event	Contact	Location	Date
ARES	WB8ZGH mgoffos@ymail.com	147.210 MHz	Mondays 1930
Two Meter Net	Bill N8IJG n8ijg@arrl.net	147.210 MHz	Thursdays 1900
Ten Meter Roundtable	WB8ZGH mgoffos@ymail.com	28.450 MHz	Wednesdays 2030
LCARA Board Meeting	Tri-Point Board Room	Tri-Point Medical	Wed. 1/8 1900
VE Testing	Scott, KO8O, at 440-256-0320	Kirtland Library	Sat. 2/1 12:00

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.

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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).

OHDEN meets on 3585 KHz +/- USB <http://ohden.org/>

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 avocation, never interfering with duties owed to family, job, school or community.

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

LCARA was organized for the purpose of furthering Amateur Radio by increasing the technical knowledge and operating proficiency of radio amateurs through continuing education, public service and acting as a vehicle of communication by, between and with the members of the association. LCARA is an incorporated association chartered under the laws of the State of Ohio and is an exempt organization under section 501 (C) (3) of the Internal Revenue Code. Contributions to LCARA are fully deductible from Federal Income Tax. Regular and Senior Dues are \$20.00 per year, 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

Winter Field Day

When: January 25 – 26

Time: Saturday 1900 UTC (2 pm EST)
Sunday 1900 UTC (2 pm EST)

Where: Worldwide

Website: www.winterfieldday.com

Check the website for the rules.

January 2020

LCARA CALENDAR OF EVENTS



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 LCARA Meeting Net 7:00 (147.21)	3	4
5	6 ARES NET 7:30 (147.21)	7	8 LCARA Board Meeting 7:00 (Tri-Point)	9 LCARA Meeting Net 7:00 (147.21)	10	11
12	13 ARES NET 7:30 (147.21)	14	15 10 Meter Roundtable 8:30 (28.450)	16 LCARA Meeting Net 7:00 (147.21)	17	18
19	20 ARES NET 7:30 (147.21)	21 Breakfast 8:00 (Perkins)	22 10 Meter Roundtable 8:30 (28.450)	23 LCARA Meeting Net 7:00 (147.21)	24	25
26	27 ARES NET 7:30 (147.21)	28	29 10 Meter Roundtable 8:30 (28.450)	30 LCARA Meeting Net 7:00 (147.21)	31	