

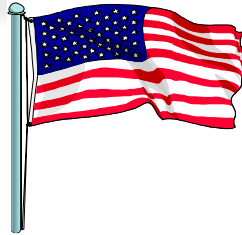


## The LCARA Patch

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

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### **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 5<sup>th</sup>

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## No Meeting Minutes for January



### Sunshine Report

By Connie, KB8ZZW

Nothing to report.

### Winter Field Day

Club members and non-members participated in the winter field day contest using the club callsign at an offsite location using solar power to batteries. The 24-hour event yielded over 348 contacts. The majority was from CW. Submitted scores were very satisfactory.

## BACKSCATTER

**123 Years Ago:** Ferdinand Braun published a paper describing the first cathode-ray oscilloscope, developed as a method to record and study the time dependence of alternating currents. Cathode-ray tubes had previously been characterized by uncontrolled rays; Braun produced a narrow stream of electrons, guided by means of alternating voltage, that could be traced on a fluorescent screen. A coil wrapped around the tube produced a vertical deflection of the electron beam. Horizontal deflection of the image to create a "time" axis was achieved by means of a small rapidly rotating mirror placed in front of the CRT.

**107 Years Ago:** A prize inserted into a Crackerjacks box for the 1<sup>st</sup> time.

**74 Years Ago:** ENIAC (Electronic Numerical Integrator and Calculator), the world's first electronic digital computer, was demonstrated at the University of Pennsylvania. Its birth lay in a WW II classified military project known as Project PX. It occupied a 30 by 50 foot room and demonstrated that high-speed digital computing was possible using available vacuum tube technology. Built out of some 17,468 electronic vacuum tubes, ENIAC was in its time the largest single electronic apparatus in the world.

**40 Years Ago:** The FCC proposes to expand the current 19 CB channels. The additional channels will be SSB only, limited to 12 W PEP. VFO's are considered, as is a written test.

Kenwood announces a digital clock with the ability to be set to any of ten time zones, as well as local time. Suggested retail is only \$99.95!

Reciprocal operation with Canada begins. Novices, for whom there is no Canadian equivalent, are apparently excluded.

TI introduces their TI-99/4 home computer.

**35 Years Ago:** A new 10 meter link on the .21 repeater is demonstrated. This links the repeater to a 100 watt GE Master Pro base station on 29.6 MHz. The FCC allows Technicians to operate on 10 meters through such a link "as long as the control operator of the transmitting station is authorized for the frequency privileges being used ..."

**30 Years Ago:** New LCARA officers are President Dick N8FXW; VP Judy, N8JNB; Treasurer Bob, KE8PW; Secretary Dee, W1HEO; and At Large Rusty, WA8HAR.

Haunted lamps! Bob, K8BL, describes two touch-sensitive lamps in his living room that turn on and off whenever he transmits.

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Backscatter cont'd.

**25 Years Ago:** Bob, K8BL, apparently with his lamps turned on, describes the origin of 73 as Western Union shorthand. In 1850 it started out as “my love to you”, later evolving to “accept my compliments”, and by 1908 to it’s current “best regards”. Perhaps we need to be more specific when we say 73, lest there be any misunderstanding.

The FCC proposes to allow hams to pick a call sign for \$70. The calls would be good for ten years and be in addition to one’s regular call.

**20 Years Ago:** Due to “overwhelming demand”, the club dinner is moved from TGI Fridays to the ex-Perfect Match.

Lenny, WS8O, reports that although the LCARA ARES team was ready, Y2K was “much ado about nothing ... the world didn’t come to a screeching halt at the stroke of midnight”.

On December 30<sup>th</sup> the FCC announced it’s long awaited license restructuring. After April 15<sup>th</sup>, there will be no new Novice and Advanced licenses, and 13 and 20 WPM code requirements are eliminated. Hams who were Tech Plus prior to March 21, 1987 may file for an automatic upgrade to General.

**15 Years Ago:** FCC Chairman Michael K. Powell announces that he’ll step down effective “sometime in March. ARRL CEO David Sumner, K1ZZ is elated, calling Powell’s performance “a deep disappointment” given his unabashed cheerleading on behalf of BPL (broadband over power lines).

**10 Years Ago:** In his President’s Corner Patch article, Bill Wihebrink, N8IJG discusses the Rose Bowl game between the Ohio State Buckeyes and the Oregon Ducks. The Buckeyes won 26-17

**5 Years Ago:** The January LCARA meeting is snowed out!

Popular Communications magazine goes QRT. It’s content is included in the new digital CQ Plus, along with the content of CQ VHF and WRO magazines.

Ham radio licenses go QRT. The FCC no longer prints paper licenses, with the official record being the Universal Licensing System (ULS) database. This is estimated to save 1/10 of a cent per US citizen.

**LCARA Historian**

**Scott, KO8O**



## DX Alert, February 2020

**SRI LANKA, 4S.** Peter, DC0KK is QRV as 4S7KKG until March 30. Activity is on the HF bands using CW and various digital modes.

**QATAR, A7.** Rasto, OM6AA is QRV as A75GR until April 2020. Activity of late has been on 80 meters.

**PAKISTAN, AP.** Hasant, AP2HA has been active using FT8 on 30 meters between 1300 and 1400z. In addition, he has also been active on 80 meters using FT8 around 0200z.

**GUADELOUPE, FG.** Jean-Pierre, F6ITD is QRV as FG/F6ITD from Desirade Island, IOTA NA-102, until March 9. Activity is on the HF bands using SSB and various digital modes.

**WESTERN SAHARA, S0.** Station S01WS has been active on 17 meters using CW around 1600z.

**SOMALIA, T5.** Ali, EP3CQ is QRV as 6O1OO from Mogadishu until February 5. Activity is on 160 to 6 meters using CW, SSB and FT8.

**NORFOLK ISLAND, VK9N.** Janusz, SP9FIH is QRV as VK9NK until April 12. Activity is on 160 to 10 meters using SSB, RTTY and FT8.

**COCOS ISLAND, TI9 .** The TI9C DXpedition is on. The TI9A team now has a website. The dates are February 2-8.

**IVORY COAST, TU.** TU5PCT will be an operation by the "Czech Dxpediton Group," February 21 to March 1. The group will be on SSB, CW, RTTY and FT8.

**DEMOCRATIC REPUBLIC OF THE CONGO, 9Q.** 9Q1C is the callsign for IK7UXW, Paolo, now QRV. He is in Kinshasa for another two months. He has an FT-857, with 100 watts to a broadband "Codan" antenna. He plans to put up a dipole for 80 and 40

**MALDIVES, 8Q.** JG1SXP, Hiro, will be operating from North Male Atoll as 8Q7HK from February 19-24. Activity will be on FT8, CW and some SSB on 3.5 through 21 MHz,

**JUAN FERNANDEZ, CE0Z .** CB0Z is an operation from Alejandro Selkirk Island, SA-101, February 3-5. IT9YRE and K9AJ will be the operators, operating on SSB and CW, 40, 30, 20, 17 and 15 meters with verticals and two radios. They may also try FT8.

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.

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

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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](mailto:scottfarnham@roadrunner.com)





## Breakfast Date for February 2020



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, February 18<sup>th</sup>** 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 **February 12<sup>th</sup>** @ 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](mailto: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.

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

### Events Contact Info.

Event	Contact	Location	Date
ARES	WB8ZGH mgoffos@ymail.com	147.210 MHz	Mondays 1930
Two Meter Net	Bill N8IJG <a href="mailto:n8ijg@arrl.net">n8ijg@arrl.net</a>	147.210 MHz	Thursdays 1900
Ten Meter Roundtable	WB8ZGH <a href="mailto:mgoffos@ymail.com">mgoffos@ymail.com</a>	28.450 MHz	Wednesdays 2030
LCARA Board Meeting	Tri-Point Board Room	Tri-Point Medical	Wed. 2/12 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](http://www.lcara.org)

To receive the Patch via email in PDF format Send an e-mail to [lcara\\_patch-subscribe@yahoogroups.com](mailto:lcara_patch-subscribe@yahoogroups.com)

**The Lake County Amateur RADIO ASSOCIATION**

# February 2020

## LCARA CALENDAR OF EVENTS



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