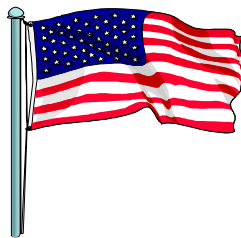


10 METER ROUNDTABLE  
WEDNESDAY NIGHT @ 2030 HRS  
28.450 MHZ.



LCARA TWO METER NET  
THURSDAY EVENING @ 1900 HRS.

LCARA WEB SITE  
[www.lcara.org](http://www.lcara.org)



## *The LCARA Patch*

*Volume 40, Issue 5*

*MAY 2018*

### **The PATCH**

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

### **The Patch Staff**

Editor: Bob Mekinda K8QXO (Temp)

### **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



### **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 2<sup>nd</sup>

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## *MINUTES FROM APRIL 4<sup>TH</sup> MEETING*

### Board Members Present:

- KB8BKE – Ed - President
- K8LPC – Larry - Vice President
- W8QL – Rick - Secretary
- N8JKO –Joe - Director at Large

### Meeting Minutes:

- **Ed – KB8BKE opened the regular club meeting at 7:30 PM with the Pledge of Allegiance. There were 22 members present.**
- **There were no guests and 1 new member present.**
- **The presentation this evening was a Power Point Slideshow by Larry Leasko - WB8PHI . Larry gave an excellent detailed and technical presentation on tower design, safe tower erection, and**

tower safety in general. His presentation was very specific in terms of how it addressed our (as well as others in general) safe field day tower erection activities.

- Ed – KB8BKE called for a round of introductions.
- The treasury was noted to be in good shape.
- Jim AA8OY presented the upcoming months DX opportunities. Many great stations on the air but propagation conditions are varying from day to day. A discussion ensued with Bob – K8BL and Jim and noted that there are continuing good results with FT-8.
- Mike – WB8ZGH noted there was one public service activity for April. April 15, 2018 will be the date for the 10-20 mile Drop Run from Chardon to the Headlands Beach. He invited all amateurs to sign up to help for this event. The 148.125 repeater will be used for this event. 10 to 12 volunteers will be needed. The 10 meter net is going very good. Skywarn training will be offered April 23, 2018, at the Lakeland Community College.
- Ed – KB8BKE noted that we would like to set-up at the Garfield House Historic Site for operation during National Parks Week. More to come on this.
- Bob – K8QXO said LCHS activities will begin with the Civil War Experience again on May 26 and 27, 2018. We will provide operation of the telegraph system. It was also noted that the Boy Scout Ham Radio merit badge qualifier event will be the first or second week in June. This information was gleaned from the LCHS publication of events without notice to LCARA. More information will be forthcoming.
- Larry - K8LPC noted that the 147.21 and the 444.650 MHz repeaters are up and running well. Details regarding the disposition of the 220 MHz repeater are ongoing. He also noted that the Monday night and Thursday night nets are going okay. He mentioned that he would like to use the 147.255 MHz repeater for a Monday night net to demonstrate its worth and availability for use. He tentatively proposed that it be used on the 4<sup>th</sup> Monday of the month.
- No Sunshine Report
- Ed – KB8BKE noted again that the 220 MHz. repeater is down (and out). The club members present were queried as to what should be the disposition of the 220 MHz repeater. Much discussion ensued on cost to repair (which was noted that it was not repairable due to age and parts/service not readily available). Once again it was noted that it is very lightly used. It may cost around \$1,100.00 to replace it. Loss of the frequency pairs is unlikely as there is little use of the band in general. Many frequency pairs are available. Peter – W1BKZ noted he was considering operating a 220 MHz repeater.
- Ed – KB8BKE mentioned he has a place to get the embroidered/stitched patches made. 2 sizes are available. The cost to digitize the initial patch would be \$60.00. Orders of the patches would be in minimum quantities of 50. For clothing items, a website for this vendor will be available with a catalog of clothing merchandise. The item can be ordered and payment made when picking it up.
- Joe – N8JKO then made a comment that we, as a club, should support getting clothing items to wear to show pride and advertisement for LCARA. A discussion began regarding several aspects of the clothing and it was decided that we pay for the digitizing costs at this time.
- Jim - AA8OY then gave a talk on the upcoming Field Day for 2018. He passed around a new and improved signup sheet for support in all of the activities necessary to put on an incredibly successful Field Day Event. Much discussion was put forth on all aspects of the Field Day in

general. Safety was noted as a top item. To be successful for Field Day, we must look at the whole picture.

- Joe - N8JKO noted that the Portage County Amateur Radio Club was named “Hamvention Club of the Year”.
- Larry Leasko – WB8PHI was recognized as “Ham of the Year”. Many congratulations to Larry on his willingness to help in many areas.
- We have 44 paid members as of this date.

Meeting adjourned 8:20 PM

Rick – W8QL



## APRIL ATTENDANCE

Ed, KB8BKE, Larry, K8LPC, Joe, N8JKO, Rick, W8QL, Bob, K8QXO, Bill, W8BBL, Neal, NF1X, Donna, W8DMP, Paul, W8PPW, Mike, WB8ZGH, Ron, KC8BTN, Ron, NU8H, Sally, N1BCF, Peter, N1BKZ, Cal, W8BZP, Larry, KB8PHI, Melody, KB8QIB, Evan, W8LSQ, Bob, K8BL, Jim, AA8OY, and Don, WA8TWM.

***From the Corner Office of the VICE PRESIDENT,  
LARRY K8LPC***

Greetings Everyone ☺

*May is here and along with it finally brings us some much needed warmer temperatures. Warmer temperatures were certainly not the case when we worked the Lake Health Systems 10 and 20 Mile Drop Run. Our volunteers worked their way through rain and low to mid thirty degree temperatures. On a much warmer note, due to everyone's dedication, there was not even a single accident, injury or need for a transport; I don't think that we could have done any better. Please allow me to thank everyone who participated including volunteers from LCARA and GARA along with thanks to Eric KF8YK who allowed us the use of the 444.8125 repeater for the event.*

*There are no scheduled Public Service events so for May, however; on June 10th we will have the Cleveland Touring Club "Sunday in June" bike ride. Volunteers get a very nice lunch and a t-shirt. Please see Mike WB8ZGH to sign up and get the registration password.*

*Our presentation this month will be from our own Joe N8JKO. He will speak about the antenna he made especially for the Drop Run and how he prepared for communications to and from Fairport Harbor to our communications trailer.*

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

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*Our weekly nets continue, on Monday, we have the Lake County ARES Net at 7PM, on Thursday we have the LCARA Weekly Net also at 7PM. These Nets are on our 147.21 repeater which requires a PI tone of 110.9. On Wednesday 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.*

*Our next VE testing session will be on Saturday June 2<sup>nd</sup> at 12 noon at the Kirtland Library. We do entry level testing and also upgrades. Please arrive a little early so you can fill out the required paperwork before the exam begins.*

*The next LCARA Board meeting will be at the Tri-Point Facility on Wednesday May 9<sup>th</sup> in the Board room at 7PM.*

*Our May breakfast gathering will be on Tuesday May 15<sup>th</sup> at the Perkins in Painesville. Come join us about 8 AM for good food and fellowship.*

*We are always looking for Guest speakers or ideas for presentations. Please contact Joe N8JKO or myself if you have any ideas.*

*I'm looking forward to seeing everyone at the Lake County Historical Society on Wednesday May 2<sup>nd</sup> at 7:30 PM, bring a friend ☺*

**73 de Larry Caskey K8LPC**



## *APRIL Backscatter 2018*

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**144 Years Ago:** Frank Conrad is born. An electrical engineer whose interest in radiotelephony led to the establishment of the first commercial radio station, KDKA. An amateur working for Westinghouse at its East Pittsburgh Works, he built a transmitting station on the second floor of the garage behind his home in Wilkinsburg, Pa. Substituting a phonograph for his microphone, he discovered a large audience of listeners who had built their own crystal radio sets and who, upon hearing the music, wrote or phoned requests for more music and news. When he became swamped with these requests, he coined the term "broadcast" and scheduled programs to satisfy his listeners. Don't try this today.

**85 Years Ago:** QRN? Karl Jansky, working for Bell Telephone Labs in Holmdel N.J announces the discovery of radio waves from the center of the Milky Way galaxy. The very low intensity signal, just below 15 meters, required sensitive apparatus for its detection. Its intensity varied regularly with the time of day and the season, and came from an unchanging direction in space, proving it was not of terrestrial origin.

**40 Years Ago:** LCARA's 1<sup>st</sup> newsletter is published, the May 1978 issue. Members vote to add an autopatch line to the new repeater, WD8DQW/RPT on .81/21

Oops. Frequency coordination of the new repeater with the Ohio Area Repeater Council hits a snag. It may have to change frequencies!

Hams listed in the first roster still in LCARA 40 years later in 2018 are:

KB8OF, Jack Olpp

W8GQO, Dick Glenn

K8BL, Bob Liddy

WB8ZGH, Mike Goffos

It is proposed to move the regular monthly meeting to be held May 31<sup>st</sup> from the Painesville Perkins to the Lake County Federal Savings and Loan meeting room. "The room has a kitchen, carpeting, great atmosphere, and (perhaps best of all) costs us nothing."

**35 Years Ago:** The German DXpedition to the Spratley Islands is lost. After being fired upon as they approached the island, distress signals were heard from the 51' catamaran Siddhartha. Ships and planes are searching the area for wreckage.

Remember Tom Swifties? "Someone keeps kerchunking the machine", said Tom repeatedly.

**30 Years Ago:** Programs are introduced to the Lake County Hamfest. Videotape of the DXpedition to Navassa is shown (it's a small rock between Jamaica and Haiti). Jim Nestor, N8GJR, the computer columnist for the Plain Dealer hosts a SRO session on PC's in the shack. And on an ever-needed topic, Bob Winston, W2THU talks about hams and the law.

**25 Years Ago:** The FCC, having taken away 220-222 MHz, thinks about giving hams access to 219-220 MHz.

**20 Years Ago:** LCARA votes to spend \$6000 to upgrade the remote inputs and links on .81/.21 with 900MHz microwave equipment.

Mark Kundrath, KB8FKM wins his tower battle with Fairport. Since the Village's zoning laws and ordinances had no sections or parts relating to communications towers of any type, the zoning board concluded they must not be permitted. After six months and \$1000 of legal and engineering fees, Mark finally prevails.

**15 Years Ago:** Newsletter Editor Grant, N0XIL adds an Event Calendar to The Patch.

LCARA secretary Dennis, AB8NI rants in The Patch on club apathy.

Hamfest Chairman Tom, KB8WFD, points out that both the Ashland Area Amateur Radio Club and the Canfield hamfests have been cancelled. Tom adds this "is not a good thing" and that "seldom when a hamfest is cancelled will it be revived."

**10 Years Ago:** No newsletter is published.

**5 Years Ago:** The Patch has grown to a record 36 pages.

Where? Jim, AA8OY gives information on an upcoming DXpedition to Lakshadweep Islands.

Hints: Its name means "one hundred thousand islands" in Sanskrit, and its prefix is VU7.

LCARA Historian

Scott KO8O



***DX ALERT APRIL 2018***



**XW - Laos 3W3B**, Bruce, will be in Laos with the XW4XR callsign April 23 to May 4. He expects to be on 40-6 meters CW, FT8 and RTTY.

**VK0/M - Macquarie Island** - Since the middle of March VK5MQ, Norbert, has been on Macquarie Island as part of the ANARE wintering team, which is expected to stay for one year. He is now "working towards getting a station on air in the near future under a number of operating restrictions". He has been issued the call VK0AI

**9X - Rwanda** - If you need 9X Rwanda it might be a good idea to see if you can set up a sked with 9X0TA, Alan, who is willing to do so as stated at <http://www.rwandadx.com/do-i-do-schedule-sked-requests/>

**C9 - Mozambique** - The "Lions DX Team" will put C8T on the air from Bilene-Macia, Gaza (Mozambique), May 2-15. They will be on 160-6 CW, SSB and RTTY.

**HB0 - Liechtenstein** - HB0/PG8M and HB0/PH0NO will be the callsigns PD7YY, PG8M and PH0NO will use from world wildlife flora and fauna sites May 12-13. They will be on 80-2 CW, SSB and "some" digital modes.

**SV9 - Crete** - SV9/OH1VR will be QRV

mostly on CW April 26-May 2, 80-10 meters.

Happy hunting!

Jim, AA8OY

Thanks to Weekly DX and ARRL DX



## VE TESTING IN LAKE COUNTY

Exams are held every other month.



The Lake County Amateur Radio Association will be holding its **2018** Amateur Radio license exams at **the Kirtland Library**, 9267 Chillicothe Road, on the following dates:

Saturday, June 2

Saturday, August 4

Saturday, October 6

Saturday, December 1



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 at [www.arrrl.org/files/file/ncvec605-3.pdf](http://www.arrrl.org/files/file/ncvec605-3.pdf)

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)



## ***FIELD DAY 2018***

### **Field Day 2018 is Fast Approaching**

Field Day is part educational event, part operating event, part public relations event – and ALL about FUN! The purpose remains today as it did in the beginning: To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. Last year we clearly demonstrated LCARA can perform.

Field Day this year falls on June 23 and 24 beginning at 1800z on Saturday and ending at 1800z on Sunday. I'm soliciting for station captains. If you are interested in being a station captain, please let me know at your earliest convenience. Our class will be "A".

The "A" stands for emergency power, as we will use our generators. The number will be determined once we know how many stations we will operate.

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 another logging program, creates the log needed 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 meters can usually be found from within the membership. Station captains should have a log of the operators who have worked at the station. I need that information for submission to ARRL. We would like to have CW, SSB, digital as well as VHF and solar powered stations. Solar and VHF stations are bonus stations.

Members are encouraged to operate. You don't have to be a station captain to participate. A ham or, in fact, a non-ham



who is interested in participating is welcome.

We always appreciate help at setup and teardown. We typically start tower and antenna erection on Saturday morning, which usually happens about 0930. However, we can start assembling equipment any time after 1800z on Friday, June 22 and be within the rules of Field Day. This worked well last year and I hope to do it again this year. I will again circulate a sign-up sheet at the May meeting.

There are many things that need to be done prior to FD, and I have listed them below. If you are willing to assist with any of these, please let me know at [AA8OY@ARRL.NET](mailto:AA8OY@ARRL.NET). Some have volunteered already.

- Provide assistance moving and installing equipment at the History Center storage building to station locations.
- Provide setup assistance on Saturday and possibly Friday
- Provide teardown assistance after Field Day on Sunday
- Help with publicity. – N1BCF
- Provide a shelter/ tent – LCARA Trailer
- Copy W1AW FD bulletin – K8BL
- 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.
- Coordinate a site visitation by an elected governmental official: One (1) 100-point bonus may be claimed if the Field Day site is visited by an elected government official as the result of an invitation issued by your group. – K8QXO
- 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. – K8QXO
- Bring coffeemaker and coffee.

Don, WA8TWM, has kindly consented to prepare a steak dinner on Saturday night. The price will be advised later. Those who don't want steak can enjoy hot dogs and hamburgers courtesy of LCARA. If you want to order a steak, contact Don to reserve one or two or whatever. Dinner cost is payable to Don no later than a week before Field Day.

If you are interested in additional preparation information, please go to Groups.yahoo.com. Select LCARA\_Patch, then Files, Field Day Files and download **Field Day Preparation Procedures**. It will provide a more in depth description of what needs to be done and how to do it.

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

Jim, AA8OY

Field Day Chairman

## ***2018 Field Day***

*Greetings all LCARA members. Field Day is fast approaching, and we need your help! Field Day is a once a year event that brings all hams together for a demonstration and practice for disaster preparedness. There are many activities in which club members or anybody interested can get involved. We need help in setting up, tearing down, publicity, visitor tour guides, operators, computer*

*logging, and safety observation checks (a fresh set of eyes is very much welcome).*

*Living in NE Ohio, we have not seen a lot of disasters as other parts of the world have experienced. But when a disaster happens, are you ready to help as an amateur radio operator in public service. Help us establish a professional profile of amateur radio to the public.*

*Last year I helped in computer logging and truly enjoyed myself. I do not operate the radio much, but my goal this year is to help in getting on the air and any other areas that I can be of service for the field day activity. I encourage all other club members to come out this year and help in any activity you would enjoy doing and for only as long as you want. I am looking forward to helping and also learning other areas of amateur radio. Ask questions; learn new ideas, we are glad to teach each other the craft of amateur radio.*

*If you feel this is a contesting event, think again. Yes, there are some testers (my husband for one) involved, and make it appear as a contest event, but I am not a tester. There are other club members and associates that come out and they are not testers. So I challenge all LCARA members to come out and participate in this year's event and enjoy in helping make points for the club, showing the public the art of amateur radio, fun, and fellowship. Let's support our club and show the public that we support our community.*

*Sign up as soon as possible for field day to let us know your interests and how you want to be involved.*

*I hope to meet you at the 2018 Field Day.*

73

*Melody KB8QIB*

## **Breakfast Date For MAY 2018**



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday, May 15<sup>th</sup>** at 8:00 a.m. Breakfast orders start being taken at 8:30 am. This group averages 10-15 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 May Board meeting will be at the Tri-Point facility on May 9<sup>th</sup> @ 7pm, in the Tri-Point Board room.

To find the Board room, simply continue walking 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

1. Heathkit DX-60A AM/CW Transmitter with HG-10 VFO, Asking \$150.00
2. MFJ 8268 Digital SWR/Wattmeter/Freq Readout, Asking \$140.00
3. Drake 2-B Receiver w/2-BQ Q Multiplier and Speaker, Asking \$350.00
4. Icom IC-756 Pro 3 Transceiver, Asking \$1300.00
5. Icom IC-820H 2/440 Base Dual Band Transceiver All Mode, Asking \$600.00
6. Icom IC-275H 2 meter All Mode Transceiver, Asking \$600.00
7. Swan 350C w/117XC PS, Asking \$300.00

Mark Your CALENDAR



Event	Contact	Location	Date
ARES	WB8ZGH mgoffos@ymail.com	147.210 MHz	MONDAYS 19:00
Two Meter Net	Bill N8IJG n8ijg@arrl.net	147.210 MHz	THURSDAYS 19:00
Ten Meter Roundtable	WB8ZGH mgoffos@ymail.com	28.450 MHz	WEDNESDAYS 20:30
LCARA Meeting	Larry <a href="mailto:K8LPC@arrl.net">K8LPC@arrl.net</a>	LCHS	5/2 19:30
LCARA Board Meeting	Tri-Point Board Room	Tri Point Medical	5/9 19:00
Breakfast	lcara.org	Painesville Perkins	Tuesday 5/15 08:00

LCHS Telegraph	k8qxo@arrl.net	LCHS	5/11 10:00-14:00
Civil War Encampment	k8qxo@arrl.net	LCHS	5/26 10:00-16:00
VE TESTING	Scott, KO8O, at 440-256-0320	Kirtland Library	6/2 12:00
Sunday in June	WB8ZGH mgoffos@gmail.com	Burton, OH	6/10 07:00-15:00

## ***LCARA NET INFORMATION***

### ***LAKE COUNTY ARES NET***

**The Net is Every Monday at 7:00pm** 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 station's 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 p.m. 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 p.m. 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** is held on Tuesdays at 8:00pm (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'S 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

