10 METER ROUNDTABLE
WEDNESDAY NIGHT @ 2030 HRS
28.450 MHz.



LCARA TWO METER NET
THURSDAY EVENING @ 1900 Hrs.

LCARA WEB SITE www.lcara.org

The LCARA Patch

Volume 40, Issue 6 JUNE 2018

The PATCH

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Larry Caskey K8LPC Vice-President
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Web Master LCARA	Bill Wihebrink	N8IJG



June's meeting is at the Lake County Historical Society

415 Riverside Drive
Painesville Township, Ohio 44077
http://lakehistorycenter.org/

Meeting @ 7:30 pm on June 6th

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MINUTES FROM JUNE 2ND 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 a round of introductions. There were 19 members present.
- The one guest present was the presenter for the evening.

- The presentation this evening was a Power Point Slideshow by Tom Sly WB8LCD. This was a very interesting and unique presentation on ARRL statistics, mainly concerning the types and numbers of hams and their associated license classes. They were segregated by the United States and the rest of the world with a few other countries as notable exceptions. The final part of the presentation was his journey through ham radio for around 50 years. Many classic transmitters and receivers for both VHF and UHF were shown. There were lots of memories for this portion of the presentation.
- The treasury was noted to be in good shape.
- Bob K8QXO noted that the Yahoo Groups access was out of order. It now appears to be restored for viewing the Patch.
- Jim AA8OY presented the upcoming months DX opportunities. Propagation conditions for the bands are varying from day to day.
- Jim AA8OY then gave an update talk on the upcoming Field Day event for 2018. We only have station captains for 3 stations this year. We need more help in all areas. Don Kocsis WA8TWM will once again host and provide us with the Great Steak Dinner with all of the trimmings. It was also noted that the price will be the same as last year. Side dishes and desserts are more than welcome. Sally N1BCF will be handling publicity for the event and Mike WB8ZGH, will be making sure the generators are in proper working order.
- Mike WB8ZGH noted there was one public service activity for June at this time. The Perry drill
 is coming up shortly. This will be the Sunday Ride in June for the Cleveland Touring Club. This
 event will be on June 10, 2018 and will start from Burton, Ohio. Mike will be looking for SAG's
 and radio operators for the course. Final details will be at the June regular meeting.
- Bob K8QXO said that we have been requested to provide assistance at the Civil War Reenactment at the LCHS. LCARA has been requested to provide support for parking assistance.
 Bob along with Joe N8JKO had a further discussion on the ability and requirements to
 develop a technical merit badge for the Boy Scouts. Some sort of training will be required to
 either be a merit badge counselor and/or to provide assistance for this counselor.
- Reno WT8C made a plea for someone to take on the Field Day station captain duties for a 40 meter phone station. He noted how important this is due to its ability to provide a great many contacts. There were no takers for this at this time.
- No Sunshine Report
- Ed KB8BKE noted again that the 220 MHz repeater issue has not been resolved and will require a vote at this meeting to decide whether to either purchase or not purchase a new 220 MHz repeater system. At this point, he introduced Bill N8IJG to provide his prepared PowerPoint presentation for an overall assessment and general guidelines to help members make a decision. He began with a brief history as to where we are at this time with the "now defunct, non-repairable" repeater. He presented Option #1 to purchase a new System by Bridgecom for about \$1,100. This would be a "bare bones" new basic repeater. Other options could be added to provide more functionality. A "Zimmerman circuit board" could be purchased as an option to allow for the use of many of the new digital voice mode capabilities (i.e. D-Star, C4FM, Yaesu Fusion, and others). Option #2 was to purchase a new 440 MHz repeater with all of the digital voice modes also with the incorporation of a "Zimmerman circuit board". A motion was made by Ed KB8BKE on whether to purchase or not to purchase a new

220 MHz repeater as outlined in Option #1, described as the "basic repeater". There were 9 votes "for", 9 votes "against" and 2 abstentions. The LCARA Board will now make a decision at the next board meeting to buy or not to buy.

- Joe N8JKO then thanked all for participating in the ARES net as well as other nets. He noted
 that to further enhance the emergency awareness and capabilities of the net, there will be a
 switch, mid meeting, June 14, 2018, to use the 147.255 MHz repeater. Before the net concludes
 its business, the switch will be made back to the 147.21 MHz repeater.
- Bill N8IJG noted that the 147.255 MHz repeater will work with the Yaesu Fusion C4FM digital voice mode.
- The 50/50 raffle was held with a cash award, a pair of tickets to the Butler Hamfest, and 4 mobile antennas, courtesy of Larry K8LPC.
- A motion was made to adjourn and was unanimously accepted by all.

Meeting adjourned 9:30 PM Rick – W8QL



APRIL ATTENDANCE

Ed, KB8BKE, Larry, K8LPC, Joe, N8JKO, Rick, W8QL, Bob, K8QXO, Mike, WB8ZGH, Bill, KD8HSI, Jeff, KC8LAR, Sally, N1BCF, Peter, N1BKZ, Cal, W8BZP, Larry, KB8PHI, Melody, KB8QIB, Reno, WT8C, Connie, KB8ZZW, Jim, AA8OY, Jack, N8WCQ, Dick, W8GQO, and Andy.

FROM THE PRESIDENT

Greetings All,

I would like to mention a few updates to matters we have discussed recently so as to keep you all informed.

The Board voted to replace the 220 repeater and it has been ordered along with its necessary programming cable and software. Expected delivery is in 3-7 days. We will let you know when it is up and running.

At the LCHS Civil War Encampment this past weekend, Bob Mekinda and I net the new Director and are working on a meeting to discuss our role in being part of the rich history that is the Lake County Historical Society. For all they allow us to do there, it is important that we are willing to help when asked.

At June's meeting we will be going over Field Day preparation and finalizing plans. Please make sure to attend if you are planning on participating.

Some notes about our website: We have added a page for "Elmers" and encourage you to let want-to-be Hams or anyone who may have a question know there is a resource available from LCARA. If you would like to be added to the list, contact me or Bill Wihebrink. Listed contact method or areas of expertise at your discretion.

For our Public Service/ARES event activation's, a sign-up form for each is available in an effort to make it easier for those desiring to help. These will be forwarded on to Mike and you will be contacted with further information. This will also help us to keep track.

We want to let you all know that LCARA now has a supplier for embroidery work on apparel. He is Wayne Tecil, owner of Promotional Printing & Embroidery and is located at 2052 North Ridge Rd., Painesville. 440-354-2193 (tecil@roadrunner.com)

For items to purchase we recommend Alpha-Broder Prime for quality, selection of manufacturers, cost, sizes, and colors. Wayne will have items shipped to him at no additional cost to us. You may of course have work done on items of your choice; they do not have to be from ABP.

Wayne does not accept credit cards, and has for us agreed to accept COD payment, as he normally would require a deposit.

Cost (less item) is:

LCARA Logo: \$10.00 (above left pocket)

First Name: \$ 7.00 (above right pocket)

Call-Sign: \$7.00 (below name)

In the website menu, click on "LCARA Apparel", on that page is a link to the ABP Catalog for viewing and an Order Form link. You will also find an example of the logo and name/call-sign embroidery. (Please note that on darker colored items, the lettering color can be changed to improve visibility).

On the order form you will be asked for the item number, as well as an item description, size, color and if you want to add name or call-sign.

When finished, click "SUBMIT" on the form bottom. Wayne will contact you to confirm the details. You will also receive a copy of the filled out form sent to the e-mail that you provide on the form.

This is an opportunity for us to take some pride in our club and show off a bit and we hope you find the process acceptable.

Thank you all for being part of LCARA. This club like all others is only as the participation and involvement of its members

Tnx. & '73

Ed, KB8BKE

From the Corner Office of the VICE PRESIDENT, LARRY K8LPC

Greetings Everyone @

June is here and I hope that everyone is enjoying the warmer temperatures. This month we have two scheduled Public Service events, 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.

On June 23rd and 24th we will be having our Field Day exercise at the Historical Center. Please see Jim AA8OY for more information. Burgers and hot dogs are free and a steak dinner is available but don't wait too long to sign up. Our meeting will be discussing our Field Day preparations and operations.

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 Pl 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^{nd} 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 June 13th in the Board room at 7PM.

Our June breakfast gathering will be on Tuesday June 19th 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 June 6th at 7:30 PM, bring a friend @

73 de Larry Caskey K8LPC

LCARA Vice President

K8LPC@ARRL.NET



JUNE Backscatter 2018

178 Years Ago: Samuel F B Morse receives a patent for telegraphy signals, which he modestly names "Morse Code".

135 Years Ago: The first three-wire electrical generation plant in the U.S. started operations in Sunbury, Pennsylvania. Built by the Edison Electric Illuminating Co. the plant was a simple wooden structure with an Armington & Sims steam engine driving two 110-volt direct-current generators. The three-wire system required 60 percent less copper in its conductors, resulting in a smaller investment, making it economically feasible to build generating plants in smaller communities.

40 Years Ago: LCARA's monthly meetings move from the Painesville Perkins Pancake House to the Lake County Federal Savings & Loan, next to the square in downtown Painesville.

35 Years Ago: LCARA plans a joint Field Day effort with LGARC, to be held at the "soon to be newlywed" W8QKX's OTH.

The FCC drops the licensing requirement for CB, claiming a savings of \$500,000 per year.

30 Years Ago: ICOM introduces the IC-900 at Dayton. The first FM transceiver to offer more than two bands, it features a fiber optic remote mount control head.

Speaking of Dayton, Judy KB8DUB wins a Yaesu 727 dual band HT in the door prize drawing!

25 Years Ago: More Dayton stuff: JPS Communications features their recently introduced NIR-10, the first digital noise reduction unit. They sell out by 10AM on Saturday.

The number of autodial slots in the repeater is doubled with the addition of slots 100-900.

20 Years Ago: The LCARA fox hunt features a fox hidden 150' above ground. Dan N8NBC, the fox, attached the transmitter to a helium balloon and flew it above a school. Bruce, KB8ROP and his wife Sue were the first to find the high flying fox.

15 Years Ago: The Logbook of the World is in beta testing, with "reasonable success".

LCARA holds a Special Events station at President James A. Garfield's home. Thanks to the archery skills of Jim KF8VX, a number of dipoles were erected within half an hour. Over 200 contacts were made in six hours of operation.

10 Years Ago: President Rick, N8BY, in a PATCH article on the upcoming Field Day, says "Get out the burgers and Dogs, fire up the grill. Get out the portable ham gear, it's time to operate ... nobody enjoys clubs that are dull, boring and ultra-serious ... get involved ... ask is there any way I can help out? Come on out even if it's only a couple of hours."

5 Years Ago: The Patch asks which Munsters character sometimes operated a ham radio. It was Herman, who operated as W6XRL4 in the show first aired on Jan 21, 1965.

LCARA Historian

Scott KO8O



DX ALERT JUNE 2018

60 - Somalia - DJ6SI, Baldur, is in Hargeisa and began operations first as 600X and then as 60X. He reports conditions "are very bad" but expects to be there through Wednesday June 6th operating with 100 watts.

FR - Reunion Island - FR/F4HPX will be on from the island, until June 15. He plans to activate "SOTA" (Summit on the Air) FR/RE-001, which is 3070 meters ASL. Look for him on 40-15 SSB, RTTY, PSK31, JT65, J59, and possibly FT8 and CW.

GW – Wales - The Barry Amateur Radio Society will have GB4RME on the air from the Royal Mint headquarters in Llantrisant, June 1-2. Look for them on SSB, CW and digital modes.

SV - Greece - Celebrating the 60th anniversary of the Radio Amateur Association of Greece (R.A.A.G.) will be special event call SX60RAAG.

T6 - Afghanistan - Look for T6TM, Tim, on 20 Meter FT8 (14.074 MHz) around 0200Z. He was working all across North America.

TK - Corsica - "PE2USA will be operating from Corsica, June 3 to June 8 near Saint Florent locator JN42PQ and June 10 to June 15 Near Sari-Solenzara locator JN41QU 10-20-40 Meters depending on openings SSB and RTTY."

VP8 - Falkland Islands - VP8AIB, Janet; VP8LP, Bob; and "a few other local amateurs will be QRV from the Historic Dockyard Museum in Stanley, Falkland Islands with the callsign VP8HDM on the weekend of 16/17 June", reports Bob. They will be "operating mostly FT8 and SSB."

ZF - Cayman Islands - K3TRM, Frank, plans to operate as ZF2RM in late June.

A2 – Botswana - Dave, VE7VR will be QRV as A25VR through June 3. Activity will be holiday style on 40, 30 and 20 meter.

SU – Egypt - Nacho, EA1AK is QRV as SU9JG from Gezira Island in the Nile River. Activity is on 30 to 10 meters using FT8

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.arrl.org/files/file/ncvec605-3.pdf

Be sure to bring the <u>original</u> 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



FIELD DAY 2018

Field Day 2018 Update

We're getting closer to Field Day. Our classification will be 5A with the stations as follows:

20 SSB

Station Captain: K8LPC, Larry

Location: TBD

20/80 CW

AA8OY, Jim

Location: Barn

40 SSB

Station Captain: WB8PHI, Larry

LCHS building

40 CW

Station Captain: K8BL, Bob

Barn

15/75 SSB

Station Captain: KB8BKE, Ed

LCARA Trailer

If you are interested in working at any of these stations, please contact the station captain. All assistance is appreciated!

So far we have eight people signed up to help with setup and ten to help with tear down. If you have signed up, thank you and if you would like to help, the signup sheet will be circulated at the June meeting. We still need a safety officer to review the equipment setup using an existing checklist.

Other responsibilities are listed on the signup sheet attachment and for the most part are covered.

If you want a steak dinner, be sure to notify either Don, WA8TWM or me by June 10. Same goes if you want hamburgers or hot dogs Saturday evening and /or Sunday lunch.

The Following ARTICLES are from last month and bear repeating leading into Field Day 2018:

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.

The "A" stands for emergency power, as we will use our generators.

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 A880Y@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. 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 contesters (my husband for one) involved, and make it appear as a contest event, but I am not a contester. There are other club members and associates that come out and they are not contesters. 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 JUNE 2018



Mark your calendar the next meeting of the Tuesday Morning Breakfast Group is at the Painesville Perkins on **Tuesday**, **June 19**th 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 June 13th @ 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 SWAF

EQUIPMENT FOR SALE: BY BILL, NSIJG (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



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
VE TESTING		Kirtland Library	Kirtland Library
LCARA Meeting	Larry K8LPC@arrl.net	Larry K8LPC@arrl.net	Larry K8LPC@arrl

Sunday in June	WB8ZGH mgoffos@ymail.com	WB8ZGH mgoffos@ym	6/10 07:00-15:00
LCARA Board Meeting	Tri-Point Board Room	Tri Point Medical	6/13 19:00
Breakfast	lcara.org	Painesville Perkins	Tuesday 6/19 08:00

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 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

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THE LAKE COUNTY AMATEUR RADIO ASSOCIATION

