

The LCARA Patch

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DECEMBER 2009

The LCARA Patch

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P O Box 868
Painesville, OH 44077-0868

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Bill Wihebrink, N8IJG, President
Rick White, W8QL, Vice-President.
Bill Jordan, KD8HSI, Secretary
Ted Huddle, W4CID, Treasurer
Neal Linder, KC8OMO, Director at Large

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Mike Goffos WB8ZGH E-Comm
Matt Welch W8DEC Radio Officer
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Bill Wihebrink N8IJG Web Master LCARA
(Vacant) Fundraising Committee

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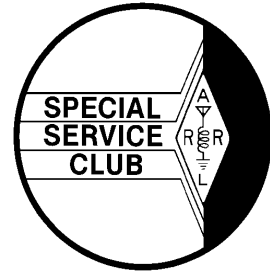
LCARA 2009 MEETING PROGRAMS

The following programs are scheduled for the Red Cross Building in Painesville, Ohio:

December 2, 2009 Time: 19:30, Election of New Officers and present 2010 Budget.

We look forward to all members joining us back at the Red Cross Building and enjoying a great

Night of camaraderie.



MONTHLY HAPPENINGS

BOARD MEETINGS

The Board will meet next on December 10th at the QTH of Bill Wihebrink, N8IJG. Would you please advise if attending.

“The Patch” – Please E-mail all articles to Bob Mekinda at lcaraeditor@lcara.org.

Club Breakfast is the 3rd Tuesday of the month at 8:30am at Perkins on Mentor Avenue in Painesville.

The LCARA club net is every Thursday at 19:00 on 147.210+ (PL 110.9). All are welcome.

The 10 Meter Net meets on Wednesday at 20:30 on 28.450 MHz. All are welcome.

The ARES® Net is every Monday at 19:30 on 147.210+ (PL 110.9). All are welcome.

The SKYWARN Net meets at 20:00 local on the 2nd & 4th Mondays of the month on 443.700+ (PL 131.8), but is now on hiatus until spring.

The LCARA membership meetings are held on the first Wednesday of the month at 7:30 pm in the:

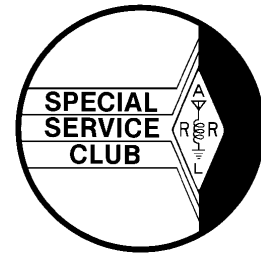
**Red Cross Building
1016 Bank Street
Painesville, OH 44077**

Next meeting is DECEMBER 2, 2009.

MINUTES FOR NOVEMBER 4, 2009 MEETING

BOARD MEMBERS PRESENT:

Rick W8QL Vice-President
Ted W4CID Treasurer
Bill KD8HSI Secretary



MINUTES FOR NOVEMBER 4, 2009 MEETING (cont.)

The meeting was called to order at 7:33 pm by Rick W8QL.

Rick discussed leaving tower and antennas that we could not reach with membership. Majority of membership voted to leave tower.

Matt W8DEC mentioned that we need to pick up antennas that they removed. Vote for \$8,000.00 expenditure for installation of repeater at TriPoint tabled until next club meeting.

Bill N8IJG nominated for re-election as President.

Treasurer's Report: The Treasurer's report was presented by Ted W4CID without discussion.

Old Business: None

New Business: Rick W8QL talked about Lake County Historical Society and \$50.00 charge for meeting room. Membership talked about alternative locations for our Club Meetings.

Meeting was shortened to give extra time for our homebrew project.

Meeting Adjourned at 8:00 pm.

Respectfully submitted,

Bill Jordan KD8HSI

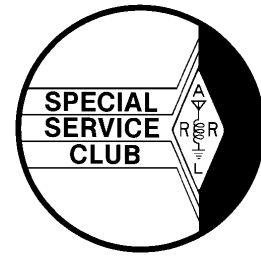
The President's Corner December, 2009

From Bill Wihebrink N8IJG

Thoughts of Past and Future

Ho! Ho! Ho! Seasons Greetings. Another Holiday Season and another new calendar year is upon us again. Have you made your reservation for the club's annual dinner at Family Restaurant? The dinner is scheduled for **December 12th at 6:30 p.m.**

Have you made your holiday and New Years resolutions list out yet? Is a new Yaesu FT DX 5000MP on that list? It appears that a new HF radio will be on the store shelves this next year.



The President's Corner December, 2009 (cont.)

This has been a very active year for the LCARA club in the area of public service. A pat on the back needs to go to Mike, WB8ZGH for coordination of these events. The last couple of events included helping with the TriPoint patient move and H1N1 vaccination site assistance. Cheers to all the club members who volunteered their time in making these events successful.

Looking back on the past year, it is my feeling that LCARA has served the community with communications assistance that has been professional in nature. Rick, W8QL brought the club very enlightening monthly speakers. The club scored well again at Field Day, even though the numbers were down, and Kids Day was again successful. Being able to present our hobby to the community through public service and club sponsored activities allows us to promote Amateur Radio to the public. We allow people to witness communication techniques that have their roots in the past but allow an individual operator of a station to obtain new operating skills for operation that is both personally entertaining as well as public service oriented.

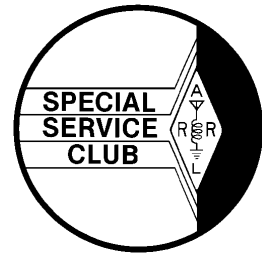
The New Year will bring some challenges to the club. A discussion is still on-going with TriPoint on the repeater. A new club meeting location is still being researched. Increasing club membership is always welcomed. The board does welcome suggestions on topics related to the club or to our hobby. Feel free to attend any board meeting this next calendar year.

The last and first event for the year is the ARRL Straight Key Night Dec 31-Jan 1. Put away the electronic keyer and dust off that straight key. Pull out the tube transceiver (if available) and take a walk in the past. How about sending some slow code? This is a great operating event which I participate in each year. Working stations for fun and conversation rather than just for the RST report. Give it a try, you might like it.

The LCARA Board:

Bill Wihebrink, N8IJG
Rick White, W8QL
Neal Linder, KC8OMO
Ted Huddle, W4CID
Bill Jordan, KD8HSI
Matt Welch, W8DEC

would like to wish all club members a Happy Holiday and a Happy New Year.



DECEMBER 2009 DX ALERT

TUNISIA, 3V. A group of operators will be QRV as 3V3S from November 23 to December 2. Activity will be on all bands and modes. QSL via DL9USA.

GHANA, 9G. Alan, G3XAQ is QRV as 9G5XA from Accra until December 4. Activity is on 160 to 10 meters using CW. QSL via G3SWH.

BOTSWANA, A2. Mike, K9NW will be QRV as A25NW from November 23 to December 1. QSL to home call.

CANARY ISLANDS, EA8. Jean, ON5JV and Georgette, ON6AK are QRV as EA8/home calls from Tijoco Bajo on Tenerife, IOTA AF-004, until February 10. Activity is on 40 to 10 meters mainly during their evening hours. QSL to home calls.

PALAU, T8. Pista, HA5AO will be QRV as T88CI from Koror Island, IOTA OC-009, from November 25 to December 10. Activity on 80 to 10 meters, and possibly 160 meters, using mainly CW. He may also try SSB and RTTY. QSL to home call.

BELIZE, V3. Pete, K8PT will be QRV as V31PT from Ambergris Cay, IOTA NA-073, from November 24 to December 5. Activity is on 40 to 10 meters using CW, SSB and RTTY. QSL to home call.

NAMIBIA, V5. Klaus, DJ4SO will be QRV as V5/home call from November 23 to December 15. Activity will be on 160 to 10 meters using CW, RTTY or PSK31. QSL to home call.

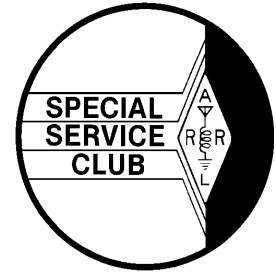
CHRISTMAS ISLAND, VK9X. Harry, DM5TI, Rene, DL2JRM, Thomas, DL2RMC and Sid, DM2AYO will be QRV as VK9XX from November 21 to December 5. Activity will be on 160 to 10 meters using CW, SSB and various digital modes. QSL both calls via DL1RTL.

INDIA, VU. Amateur Radio operators in India have recently been authorized to transmit between 7100 and 7200 kHz, now giving them use from 7000 to 7200 kHz.

Happy Hunting!

Jim Pyle, AA8OY

Thanks to ARRL DX



BACKSCATTER – DECEMBER

30 Years Ago: The amateur population declines by more than 2000 in September, with Novices leading with a decline of 1693. The total US amateur count is now 362,356

CB magazine announces a nine month Novice training program, to start in the January issue. The editor, WB6NOA, Gordon West, says that students will be quizzed at the end of each month with “FCC type questions”.

Newsletter editor Mike, WD8IVL, asks for more articles, requesting they be written in English “or a language which translates easily to it”.

25 Years Ago: Newsletter editor Gary, KC8GN, accepts a job on the West Side! Jim Thistlewood, KD8SW, steps up to fill his shoes.

The FCC releases a Notice of Proposed Rule Making, implementing amateur access to 10.100-10.150 MHz, and 24.890-24.990 MHz. Existing government fixed operations precludes access to 10.100-10.150 for another five years.

20 Years Ago: Dr. Deviation, aka Rusty, WA8HAR, warns of an outbreak of unsoldered braids on PL259 connectors, and urges radio ops to practice “safe solder”. The braid should always be folded back, tinned, the connector screwed on, and then soldered. Failure to do so may result in symptoms that may not be recognizable for months, or even years afterwards.

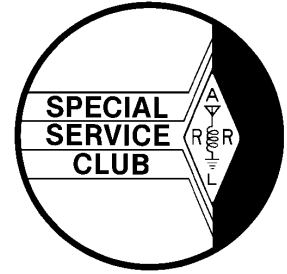
LCARA announces a Special Events station to celebrate the 150th anniversary of Lake County. The Historical Society agrees to provide operators with a summary of Lake county history for use on the air.

The Mentor input, located at Mentor fire station #5, is now on the air.

15 Years Ago: LCARA’s crack Field Day team takes top honors in the 9A class, and places #4 nationally in all classes.

After 15 years of publication the GO List goes QRT.

10 Years Ago: License restructuring has moved to the front burner at the FCC, with a Report and Order expected within a month or two. The final form is unknown, but a year earlier the FCC had proposed elimination of Novice and Tech Plus licenses, leaving only four classes – Tech, General, Advanced and Extra. The role of code is unknown.



BACKSCATTER – DECEMBER (CONT.)

5 Years Ago: Bharathi, VU2RBI has received permissions to activate the Andaman Islands for the first time in 17 years. Calls will be VU4NRO AND VU4RBI.

Field Day results are announced, with LCARA placing 4th in 7A nationally. We were the top scoring station in Ohio for all classes, and 3rd highest in the 8th call area.

Submitted by Scott KO8O

If you are a LCARA club member and want to start a monthly column or have an article you would like to see in the next newsletter don't be shy. Contact Bob K8QXO and get it in print! All submissions have a deadline of the 18th day of the month.

HAM EXAMS IN LAKE COUNTY EVERY OTHER MONTH

The Lake County Amateur Radio Association will be holding its **2009** Amateur Radio license exams at **the Kirtland Library**, on the following dates:

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. The library is on the left, immediately after the Marathon gas station.

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, you can find it at arrl.org/arrlvec/ncvec605.pdf.

The tests will start at **12 Noon**. Please arrive a few minutes early.



Please bring **the original and a copy of both your license and any CSCEs you may have to the exam.** The cost is \$14.00, and if you wish to pay by check, it should be made out to the ARRL/VEC. Identification is also necessary, with a picture ID. If you have any questions, please contact Scott Farnham, KO8O, at (440)256-0320.

PUBLIC SERVICE CALENDER 2010

(Note: Mark your Calendar for 2010 for the following events. Actual dates will be provided as soon as they are established).

Event	Month	Date
MS Walk	April	TBA
Sunday in June	June	TBA
Field Day	June	26/27
Mardi Gra Parade	July	TBA
Heritage Fest	July	TBA
Greater Cleveland Triathlon	Aug	TBA
IBIM Parade/ Run	Sept	18/19

We were an active group in 2009 doing good things for the community, and having fun while doing it. Looks like 2010 will be even busier so come and add your call to these events while building new friendships with other local hams. Except for the parades you can volunteer a block of time or join the net as a relief operator. For more details on the above events, you can contact me @ 440-255-6560 or E-Mail to mjgoffos@sbcglobal.net.

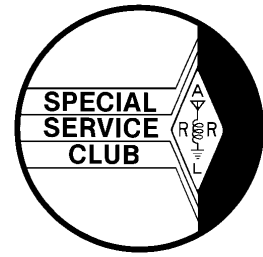
Mike WB8ZGH

Field Day 2009 Results

Another Field Day is in the books and participation was up 11% with 2642 stations submitting logs. QSOs were also up 10% with a total of 1,360,401 contacts being made. That's the big picture, but how did LCARA do? We logged 2106 QSOs and, with bonuses and multipliers, scored 8112 points. Looking at our power class, A, less than 150 watts, there were 2222 entries and LCARA was 81st overall. That put us in the top 4% of all class A stations nationwide. We placed 9th of 216 entries from the Great Lakes Division and 5th of 105 stations in Ohio. Looking at our specific class, 6A, we were 7th of 41 total stations nationally and first in Ohio.

Thanks again to all who helped.

Jim Pyle, AA8OY, Field Day Chairman



NET INFORMATION

ARES®/SKYWARN NETS

The Lake County ARES® Net currently meets on 147.210 every Monday of the Month at 1930 Local (7:30 PM).

The Lake County SKYWARN Weather Net is now in hiatus until the Spring, but during the storm Season normally meets on 443.700(+) PL131.8, the 2nd and 4th Monday of each Month at 2000 Local (8:00 PM).



There has been a Yahoo group established for Lake County SKYWARN. It is <http://tech.groups.yahoo.com/group/lcskywarn/>. You can copy & paste the link to your favorite browser instead of typing it all. Once on the website click on the "JOIN THIS GROUP" button to sign up. You can also send a blank email to lcskywarn-subscribe@yahogroups.com to sign up.

The purpose of the group is to provide another avenue for information about potential severe weather in Lake County. This has been proven to be useful to allow more time to prepare your station before the potential storm hits. The other purpose of the group is to contain useful information about weather in general and resources to keep your weather spotting skills up to par.

ARES®/SKYWARN NETS (cont.)

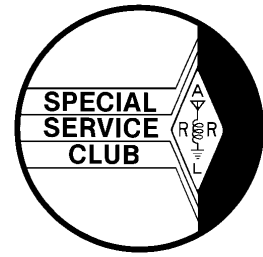
Also, please remember that all Lake County SKYWARN and Weather Net activities are on the 443.700(+) PL131.8 CLARA repeater in Eastlake. 147.210(+) PL 110.9 LCARA repeater is the alternate repeater in case 443.700 are unavailable.

The District 5 Net on the 443.450 in Montville and the NWS Cleveland Six Meter repeater(s) are closed and limited to SKYWARN Coordinators only.

For more information, please contact Scott W8OXI at callmeox@yahoo.com or Matt at w8dec@arrl.net. You do not have to be ARES® or SKYWARN members to participate in these nets. ALL ARE WELCOME. Please mark your calendars' for Mondays at 1930.

Matt W8DEC

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10 METER NET

The 10 Meter Net is up and running come join your fellow hams on Wednesday's at 8:30 PM on 28.450 MHz. This is an informal roundtable where the group can chat about anything that come to mind and even correct some of the world's problems.

You don't need to be a LCARA member, just at least a Tech ticket and some 10 meter gear. Here is a good chance to meet old and maybe some new friends. We might even have a check in from out of the local area. Come join us.

2 METER NET

The 2 Meter Club Net meets every Thursday at 7:00 PM on the club repeater frequency of 147.210+ (PL 110.9). All are welcome.

NET CONTROL OPERATORS

Today all our nets need Net Control Operators, people go on vacation, can not be home on at Net time and unfortunately get ill. We are going to pass around a sign up sheet, think about it and see if you can fit it in your schedule and serve once a month or once every two months. Thanks in advance for your help.

DECEMBER BIRTHDAYS

Don WA8TWM – December 2
Mike WB8ZGH – December 3

Best Wishes for a very Happy Birthday

Event: LCARA Holiday Dinner

Date: **December 12th, 2009**

Time: **6:30 PM**

Location: Family Restaurant (same place as last year – Just a NEW NAME)
1945 Mentor Avenue
Painesville, OH 44077

We will order off the menu and separate checks will be available.



FOR YOUR INFORMATION

Tuesday Morning Breakfast Group

Next meeting of the group is at the Painesville Perkins on **December 15th at 8:30 AM**. This group averages 20-30 people and is a great chance to meet many Hams. This is not a club event and is a great chance to meet other great Hams. Please encourage any Hams you know to attend. It is a fun gathering and a chance to meet Hams who may not be a club member.

CLUB APPAREL

For those interested in purchasing club apparel with the club's logo and your name and call please go to <http://www.callsignwear.com/index.php> and pick out what you would like to order. Placing the order through the club will eliminate shipping charges. If you order direct you will incur shipping expenses unless you are placing a large order.

LCARA Patch Yahoo Group:

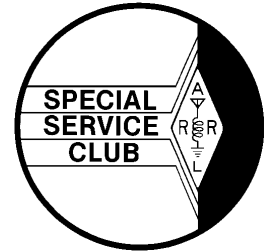
Most members receive email notifications from our Yahoo Group page. I am noticing that some members have changed their email addresses and have signed up again for our group under several names. If there are any that you no longer use, would you please send me an email telling me which addresses are no longer in use, so that I can remove them. Please send this to KC8OMO@arrl.net

ELECTION OF OFFICERS FOR 2010

We have two positions open and currently four candidates running for those positions. Below are the Bios for each of the candidates in alphabetical order:

RICK CHRISTIAN N8BY

Hello fellow members my name is Rick Christian and I'm running for one of the spots on the Board. Just a little information about myself in case I have not had the pleasure of meeting you. I have been married for 25 years to Tammy KC8NVQ, have 2 children and we live in Oakwood Village. I hold an Amateur Extra Class License and enjoy all facets of ham radio. I have been in a number of clubs but nothing like LCARA. When I came to the first meeting and saw all the members present I knew this was the club for me I wanted to work public service, field day, Hamfest, get on a VE team, and be of assistance to the Club in anyway possible. I hope to receive your vote on December 2nd and with your help I know we can get keep this club going and continuing to help it grow. Thanks in advance. Rick N8BY



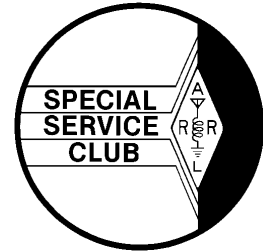
Michael D. Voleski, BBA, CHSO (KD8JUF)

Security Supervisor & Safety Coordinator
Medina General Hospital, Medina Ohio

Is currently the Security Supervisor & Safety Coordinator at Medina General Hospital where he assists the Security Director / Safety Chairman and Vice President of Legal Affairs in overseeing the Security & Safety functions for the hospital. He also assists in training and supervising the day-to-day work of the contracted security staff and In-House Law Enforcement Officers. He is very active in developing new training courses and also teaching them. Currently, he has developed and implemented training to all new RN's and NA's in behavioral restraint use & applications. He currently has responsibility to ensure that all safety related issues are addressed and documented on a day to day basis to meet Joint Commission (TJC), CMS and other compliance standards. Lastly he computerized the Security department so that reports now generate automatically, allowing Security Management to review operations quantitatively daily, monthly, and quarterly. This allows resources to be utilized most efficiently. He serves on many hospital committees including: Emergency Preparedness, Safety Fair, Safety Core and Safety Committee.

Mike also has many years of additional management experience from companies such as CVS/Pharmacy, Radio Shack, US Merchandise, Eaton Corporation, Allen Medical Systems, Voss Industries and Kohl's Department Stores. He also was a distinguished graduate from the U.S. Army Military Police School's Officer Basic course. Mike is now retired from the Army Reserves as a Major after 14 years of service to his country & state. Mike held various Military Police branch and command assignments ranging from platoon leader, company executive officer, company commander, battalion operations & training officer, battalion executive officer, battalion commander and brigade staff officer. He was one of the youngest battalion commanders to serve and command in Ohio and was in charge of many special operations and task force assignments including the Cleveland National Air show, Presidential visits and local SWAT team training operations at Camp Perry Training site. He was awarded many times and included the Ohio Commendation Medal for his dedicated service and Army Achievement Ribbon. Mike was also instrumental in transforming a MP training unit into a line MP Battalion for which he was personally awarded an outstanding unit citation for him and also the unit.

Currently certified and a senior member, of the International Association for Healthcare Security & Safety and he is currently working on advanced courses. He has received training in Non-violent Crisis Intervention from the Crisis Prevention Institute. He holds a hazardous materials operations level certification, and has also attended classes in HAZMAT & Decontamination for Healthcare Professionals and Weapons of Mass Destruction Awareness for the First Responder from the Ohio Fire Academy. He holds certificates for several Federal Emergency Management Agency (FEMA) courses including Advanced National Incident Management Systems (NIMS) and Incident Command Systems. He continues to advance himself in training and educational opportunities by attending Ohio Hospital Association and Joint Commission sponsored seminars yearly. He holds a Bachelors Degree in Business Administration, with a major of Quantitative Business Analysis and dual minors in Marketing & Computer and Information Sciences from Cleveland State University. He is also a licensed Ham radio operator and participates in Ohio ARES & national ARRL activities as well as radio clubs in both Lake (LCARA) and Medina (Medina 2 Meter Group) counties. He is currently a certified Skywarn weather observer for the National Weather Service. Additionally he is the proud father of a daughter Emma and lives in Lake County, Ohio.



Matt Welch W8DEC

My name is Matt Welch. I have been a “radio-active” ham since 2004. I am currently the Radio Officer for the club. I have been a member of LCARA since the beginning of 2007. I am a past board member and past president of many different ham radio clubs. I was a US Navy Corpsman for six years. I served ashore and afloat from the Naval Hospital at the Submarine Base in Groton, CT to the USS Cape St. George (CG-71) at Naval Station Norfolk in Virginia.

I would say my most favorable accomplishment is being part of getting a ham radio club started from scratch. My wife, Lynnette KB1LGB, and I worked really hard to get the club up and running while we were stationed in Virginia. The club is still going strong today.

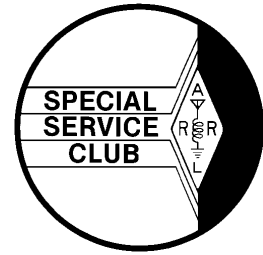
One of the reasons I enjoy ham radio is because there are so many aspects of the hobby to choose from. Public Service, CW, DXing, Contesting, Ragchewing, and Emergency Communications just to name a few. Whatever your favorite aspect of ham radio is, the club has a home for you. Please don't be shy. Share your favorite aspect of the hobby with others. What have you got to lose? You may inspire others to share their favorite part of the hobby. And lastly, I realize recruiting new hams can be challenging. With space-age technology on the market and radio equipment prices sky high, I can understand why young people are not interested in this hobby. Let's show them what we can do in a crisis situation. Let's demonstrate what is possible without cell phone towers, Internet, and commercial power. That may entice them to explore the wonderful world of amateur radio. 73 de Matt W8DEC.

Bill Wihebrink N8IJG

Hello, my name is Bill Wihebrink and my Amateur Call sign is N8IJG. I presently hold an Extra class amateur license. I first became licensed in 1985 after testing successfully at the Madison Hamfest. I have lived in Lake County for the past eighteen years. I am presently an educator/technology specialist with the Cleveland Heights-University Heights City School District. I have been a member of the club for the past three years. I have held a single term Director's position of vice-president and a single term Director's position of president during the past two years.

During my years as a club and board member, I have participated in all of LCARA's Field Days and have helped on numerous public special events. I have organized the Kids Day event for the club. I have been the webmaster and have added the current LCARA web site to the Internet.

I am running for a position on the LCARA Board of Directors so I can continue helping with the operations and activities of the club. This club has a rich history that needs to be preserved through an increase in membership. Club membership can be increased with public awareness of what Amateur Radio can provide to the residents of Lake County through information presented at public libraries, local schools, and county events. The ARRL can provide the club with additional materials to help with public awareness.



2010 LCARA ELECTION BALLOT

Elect Two (2)

Rick Christian N8BY _____

Mike Voleski KD8JUF _____

Matt Welch W8DEC _____

Bill Wihebrink N8IJG _____

WRITE-IN _____

WRITE-IN _____

In the event you cannot make the meeting and want to cast your vote by phone, Please call one of the board members prior to the Wednesday meeting.

Have you noticed?

For a short while now we have been video taping the clubs presenters. We are attempting to capture the audio and post them on the LCARA web site like a Podcast. Hopefully members that are unable to make the club meetings will be able to hear the presentations that they would have liked to have attended. There is discussion on making the videos available on a CD/DVD that could be checked out for viewing by club members. We are still experimenting with this idea and there are a few presentations that are available now. When you sign in as a member you will have access to them in the lower left hand corner of the web page. Below are the current listings to choose from.

Visit the website often for up to date club information: www.lcara.org

Thanks goes out to Bill (N8IJG) and Bill Jordan (KD8HSI) for making this possible.

Audio Presentations

[Insurance Policy-ND8L-Ray Fallen,June'08](#)

[July '08 IRLP](#)

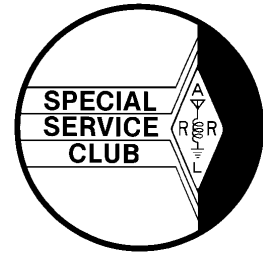
[Feb '09 USS Cod](#)

[Apr '09 Slow Scan](#)

[Jun '09 Joe Phillips](#)

[Sep '09 National Weather Service](#)

[Oct '09 Old Time Radios](#)



Please remember that we are now accepting 2010 Dues.

Dues are \$20.00 for an individual and \$30.00 for a Family membership.

Name: _____ Call Sign: _____

Address: _____

City: _____ State: _____ Zip code: _____

Phone (Home): _____

Phone (Other): _____

E-Mail address: _____

Is this the address you use for LCARA Patch Yahoo groups? Yes ____ / No ____

The following information is optional:

You're Spouses Name: _____

Your Month of birth: _____ Day of birth: _____ Year of birth? NOT REQUIRED!

Please bring this to a meeting or mail to: Lake County Amateur Radio Association
P.O. Box 868
Painesville, OH 44077-0868

FROM YOUR EDITOR

ONE FINAL NOTE

We are still trying to update the roster with the following information: We will have some update sheets at the meeting and we would like the following information to add to the database: Current E-Mail, Current Phone Number, Birthday (only month and day), Spouse's Name, Class of License, Are you a member of ARRL? Thank you in advance for your assistance in updating our records.

I continue to try to get new articles and expand our newsletter with each issue. Some of what I do may be good and some may not, however I need feedback for improvement. I am beginning to see other clubs newsletters and I hope in the next year to add a number of new features. So remember this is your newsletter and I want it to provide the information and updates on our hobby that you want to see. I want the **PATCH** to be a newsletter you look forward to receiving and reading every month.

Bob K8QXO



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.

LCARA– The Lake County Amateur Radio Association

Regular LCARA meetings are open to all people interested in Amateur Radio, whether licensed or not! We meet at 7:30PM at the:

**Red Cross Building
1016 Bank Street
Painesville, OH 44077.**

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 5.0 MHz. +offset, PL tone of 131.8 Hz.
(Repeater & N8BC trustee, Bob Liddy, K8BL)

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