

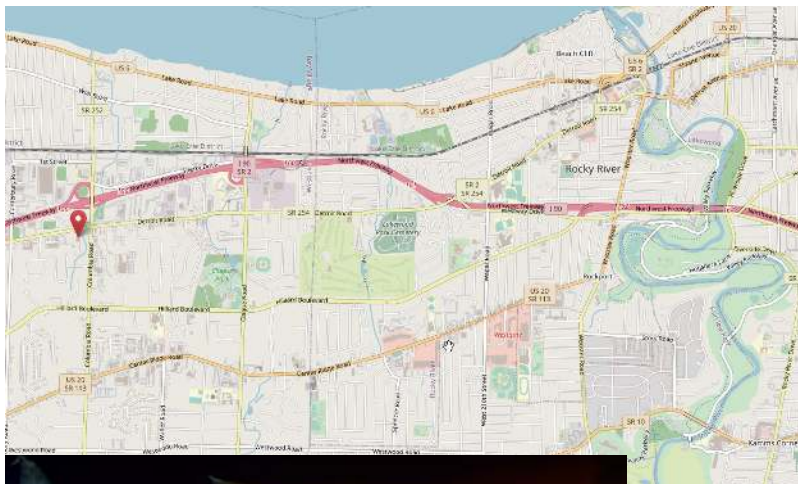


The Spirit of '76 and '88



Newsletter of the
November Lake Erie Amateur Radio Association
Carsten Lohrmann, KD8WBB, Editor

2022



LEARA Meeting Holiday Party 2022

H

HOULIHAN'S
RESTAURANT + BAR

25651 Detroit Road in Westlake,
Ohio 44145

November 29. 6:30 p.m.

RSVP (CLICK) by Sunday evening (27th)



The Prez Says by Bryan Torok, N8OOF



The October Meeting was at Teamz in Middleburg Heights near Cleveland Hopkins Airport. Teamz has a spacious banquet room with high ceilings. We ordered off the menu at very reasonable prices plus a charge for the use of the room. I did not hear any complaints about the food or room.

... continue on page 2

OFFICERS and TRUSTEES	
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Jeff Garvas Sec'y-Treasurer	N8YNR 216-496-3928
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Carl Gedeon Trustee	KB8VXE kb8vxe@arrl.net
Jon Anhold Trustee	KM8V km8v@arrl.net
Dave Andrzejewski Trustee	AD8G 440-220-2064
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Pat Shreve	W8GRG (SK)
Al Severson	AB8P (SK)
Dave Foran	WB8APD (SK)
Bob Winston	W2THU
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NEWSLETTER	
<p><i>The Spirit of '76 & '88</i> is published monthly except in December. Contributions must be received by the 2nd Sunday of the month except on months with 5 Sundays and 5 Tuesdays when the 3rd Sunday will be sufficient.</p> <p>Editor: Carsten Lohrmann, KD8WBB E-mail: editor@leara.org</p> <p>Proofreading: TNX to W8AZO, N8YNR</p>	

v08/2022-08-25

Prez cont.

The program was a presentation on **Air Band Scanning in NE Ohio** presented by **Doug Dever, AB8M**. Doug told us how to listen in on aviation radio traffic, what to listen for, and some frequencies to use.

Doug also showed a couple of useful urls:

<https://www.radioreference.com/db/aid/2232>

provides a list of frequencies for areas around Cleveland.

<https://globe.adsbexchange.com>

will show a map of airplanes in flight in near real time.

The November Holiday Meeting will be at **Houlihan's**, located at 25651 Detroit Road in Westlake, Ohio 44145. The dinner will be served buffet-style. This will be very similar to the last two times we were at Houlihan's. Each time the food was excellent and while a tad more expensive, well worth it.

Entrée options will be Pot Roast and Grilled Rosemary Chicken. Side dishes will be Yukon Gold Mashed Potatoes and Honey Glazed Carrots. Salad, dinner rolls, water, coffee, tea, and soft drinks are included. Alcoholic beverages and dessert items can be purchased separately. Please let us know if you have any special dietary needs or concerns. The cost will be \$30 per person. As usual, dinner will begin at 6:30 pm followed by the club meeting.

Advance reservations are required. Reservations must be submitted by the Sunday before the meeting. Reservations may be made on the club website at <https://www.leara.org>, or by calling **Marv Grossman (W8AZO)** at **440-248-0031**. This will NOT be a hybrid Zoom meeting. We hope to see you there.

The Lake Erie Amateur Radio Assn., Inc., **LEARA**, is a not-for-profit [501(c)(3)] organization dedicated to Amateur Radio and Public Service. Club information packets and applications for membership are available from **Marv Grossman, W8AZO, 440-248-0031**, or may be downloaded from our web site at www.leara.org. Annual membership is \$25.00.

LEARA's address is: LEARA, P.O. Box 22823, Beachwood, OH 44122-0823.

LEARA is an **ARRL**-affiliated club. When you **join** or **renew** the **ARRL**, **LEARA** benefits monetarily if you do so through the club. Send **ARRL** Applications/renewals to LEARA, P.O. Box 22823, Beachwood, OH 44122-0823. Make the check payable to **LEARA**, not the **ARRL**.

Membership Meetings are held the last Tuesday of each month (except December and June) at a Cleveland-area restaurant to be announced each month in the newsletter or, if situation requires, in a virtual conference meeting online. The LEARA newsletter usually arrives near the middle of the month. Locations for dinner may vary and often require a reservation. Those interested in dinner should arrive around 6 p.m. The meeting begins at 7:30 p.m. Meetings are open to all interested persons. You may attend without eating.

Trustees' Meetings are on the second Saturday of odd numbered months. Meetings are open to all current members of LEARA. **Locations are subject to change**. Trustees meet at one of the Cuyahoga County Public Library branches or in a virtual conference room online.

Contact a trustee or check the website at www.leara.org for details.

Prez cont.

Door Prizes: This year the **Main Prize** will be an **Alinco DJ-VX50T HT**. This is a very nice dual band (2m/440) handheld transceiver. For entertainment, we will have yours truly, Bingo Bryan. Bring your good luck. We will be playing Bingo for an assortment of soldering torches, irons, and heat guns courtesy of **Fred Doob, K8PP**. Many of you may remember Fred as the Solder-It guy. We will also play three rounds of Bingo for LEARA dinner bucks. Following that, we will have the drawing for the **Main Prize**, the **Alinco DJ-VX50T HT**.

As always, we will have the 50/50 drawing. So, there are lots ways to go home with a prize.



Until next month, talk on the radio and use the repeaters. Check into one of the many nets available on the LEARA repeaters. Join us on the air, online, or in person. If you don't feel safe meeting in person, we understand. But, we really want to see or at least hear from you, even if it is only by Radio or Zoom.



Membership renewals!

Please be aware that membership renewals are due!

<https://www.leara.org/club-information/membership-renewal>

Morsle - the daily Morse code challenge

Just like the Wordle game from the New York Times and the wordful.com, here is a game to test your CW skill with a word or callsign starting at 40 wpm and working down.

<https://morsel.fun>

73, Jim WA8ZHN

Note from your radio officer

Dave Andrzejewski, AD8G

There are two separate main components that make the RF transmitted by 146.76. We feed the repeater audio into a radio that produces about 6 watts of RF - we call that the "exciter." The exciter's RF output then feeds into the Power Amplifier, which nominally puts out about 180 watts.

A couple weeks ago, we noticed that the repeater had become intermittent. I went to the site and determined that it was the exciter. I did a little on-site troubleshooting and was unable to completely fix it. We found that it was possible to adjust the power output of the exciter using a hammer (percussive maintenance). However, we were unable to fine-tune it, so the radio went back to the bench. We ended up replacing it from a spare in Bill Hess' (K8SGX) collection. The exciter is now operating normally.

However, when I put the exciter back in place, I noticed that the transmitter power was down to about 120 watts, which indicated yet another problem. The problem was with the PA. The PA on 146.76 is actually two Motorola 110W mobile radio PAs, combined with a Wilkinson Combiner. Each PA runs about 90 watts, which gives us our nominal 180 watt output. I removed the cover and saw this on the inside:



Stay tuned for more on this story, including detailed images, in the upcoming January or February issuance of our Newsletter :-)



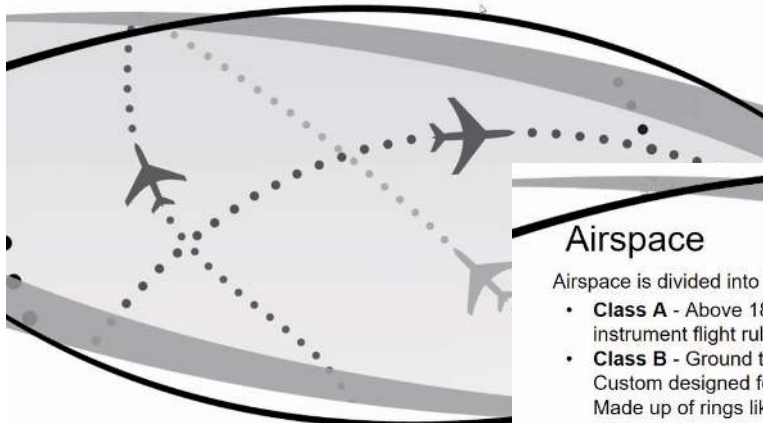
LEARA Meeting

Scanning ATC Frequencies in Greater Cleveland

AB8M, Doug Dever



Teamz, Oct. 25, 2022; Pictures Jeff Garvas



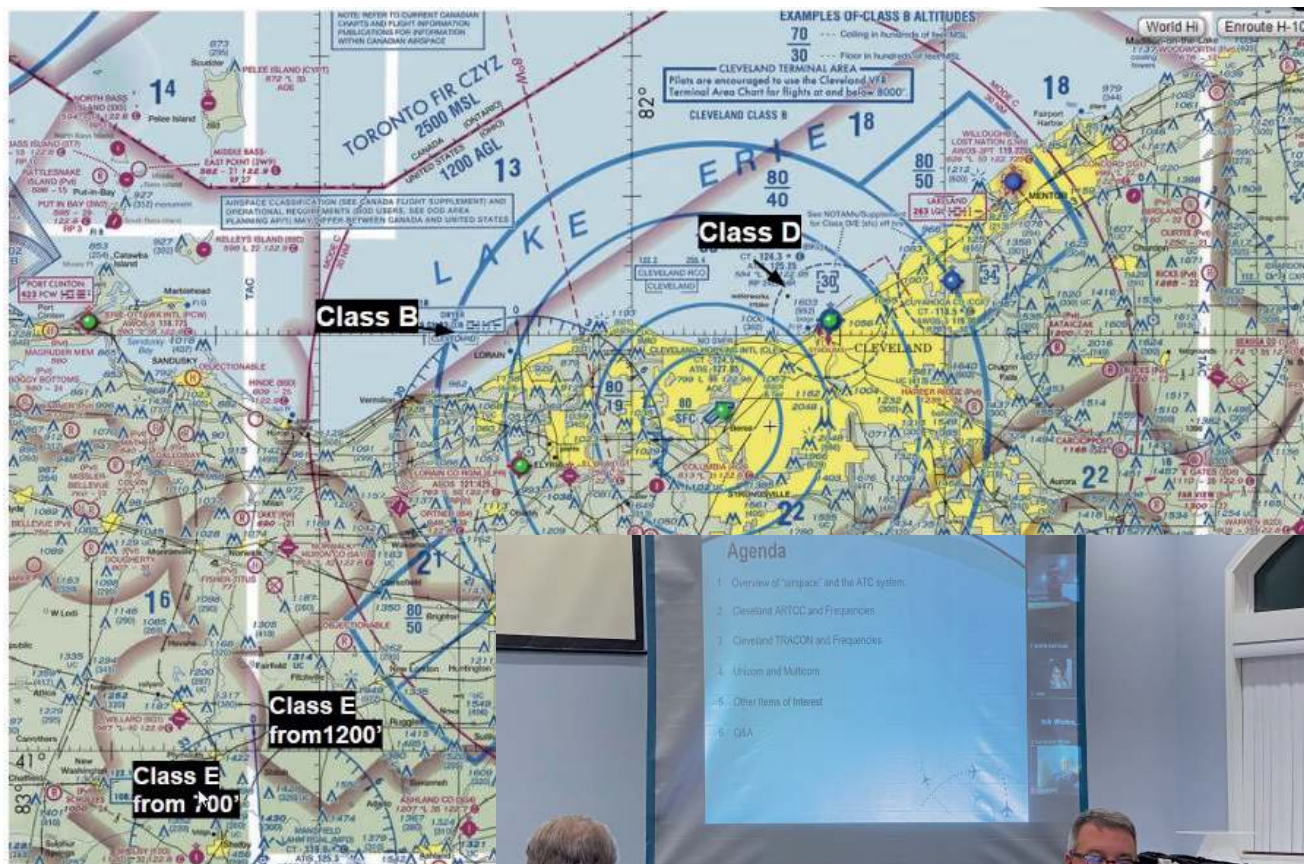
Scanning ATC Frequencies in Greater
Doug Dever AB8M

Airspace

Airspace is divided into 6 categories:

- **Class A** - Above 18,000 MSL up to FL600. Flights must operate under instrument flight rules (IFR).
- **Class B** - Ground to 10,000 MSL around the nation's busiest airports. Custom designed for each airport's approach and departure patterns. Made up of rings like an upside-down wedding cake. Must have clearance from ATC to enter. (Example: Cleveland Hopkins)
- **Class C** - Ground to 4,000 AGL around moderate sized airports. Generally extend to 10nm and two rings. Must establish radio contact with ATC before entering. (Example: Akron-Canton)
- **Class D** - Ground to 2500 AGL on fields smaller than a Class C but with an operational control tower. (Example: Burke Lakefront during tower operational hours.)
- **Class E** - Controlled airspace not one of the above.
- **Class G** - Uncontrolled airspace





Cleveland Approach and Tower

On Sept. 22, 2019 CAK and MFD approach was folded into Cleveland Approach. No impact on frequencies in use. Phone numbers for pilot services changed. New SID/STARs have been published for approaches (more on this later).

127.850	ATIS	132.375	ATIS
125.050	Clearance Delivery	257.800	Tower (UHF)
121.700	Ground	133.600	Ground
120.900	Tower	124.500	Tower
119.625	Approach	118.150	Departure
124.000	Approach	125.850	Departure
126.550	Approach	128.250	Departure
125.350	Bravo Airspace (340-200 deg)	126.35	Bravo Airspace (201-339 degrees)





LEARA "On the Air"

Club Net Information by Carl Gedeon, KB8VXE

The **Thursday Club Net** is held 8 p.m. on our 146.760 (or 146.880 backup) MHz (-600 kHz offset, PL 110.9) repeater. All nets will be

held on this repeater. Please use it and notify any trustee of any troubles or issues.

October 2022 Checkins - 31			
AB8UM	Mike	KD8WBB	Carsten
AC8JR	Andy	KE8ADV	Tony
K8CVM	Chuck	KE8MQH	Alex
K8EHP	Mike	KE8RGC	John
K8SAS	Steve	KE8VKA	Josh
KA8VLA	Paul	KG8DN	Ken
KB8VXE	Carl	KI4AGJ	Martin
KC8FQV	Mark	KM8V	Jon
KD8AJZ	Rich	N8ACP	Bryan
KD8NPD	Mark	N8AHS	Fred
KD8TNF	Chris	N8DKW	Tim

Remember if you missed a net, check out the web page for a recap of the trivia and discussion questions.

For November, December and January the tentative scheduled NCOs are: Please check the website for current assignments. --- click ---

Net Control Schedule			
11/17/22	Steve	K8SAS	
11/24/22	Thanks	Giving	
12/01/22	Mike	AB8UM	
12/08/22	Ed	W8IE	
12/15/22	Carl	KB8VXE	
12/22/22	Eric	N8AUC	
12/29/22	Ken	KG8DN	
01/05/23	Steve	K8SAS	
01/12/23	Mike	AB8UM	
01/19/23	Ed	W8IE	
01/26/23	Carl	KB8VXE	

NCOs	AB8UM	MIKE	KG8DN	KEN
	K8SAS	STEVE	KM8V*	JON
	KB8VXE	CARL	N8AUC	ERIC
			W8IE	Ed

*Short time leave **Long term leave

The Wednesday Night Skywarn Practice Net

The Skywarn season runs from April through September.

Practice nets will be suspended until Wednesday, April 5, 2023. Should the National Weather Service issue a severe storm warning for Cuyahoga County, a weather net will be brought up on the 146.76 repeater.

Visit www.ccskywarn.org for more information and training sessions.

An On-Line Storm Spotter training video from the NWS is available at

<https://www.facebook.com/NWSCleveland/videos/858879174941020/>

ARES

ARES nets and meetings are suspended for November and December. They will resume in January where they are held every Tuesday (except the third Tuesday of the Month) at 8PM on 145.410 (+)110.9. A simplex net will be held afterwards. ARES meetings are in the meeting room at the Helwig Whistle Stop 599 West Bagley Rd. Berea, OH. at 7PM the third Tuesday of each month. More info about ARES can be found at www.n8esg.org/ares.

There is a new ARES DMR practice net. It is scheduled for Thursdays, 7:30PM on talk group 31395.

Thursday Net NCOs

Do you know K2??? How about ??UPZ? A great way to learn who these voices belong to is to be a net controller! Consider being a net controller.

We look forward to your participation! Carl, KB8VXE, E-Mail: kb8vxe@arrl.net

Sunshine

Please contact Robert Wright (ke8ceo@leara.org) with information.

Pete Greene update: Pete is home, recuperating and doing therapy. Rumor has it that he may sometimes be heard on the bands.

LAKE ERIE AMATEUR RADIO ASSOCIATION TRUSTEES' MEETING MINUTES

November, 12th 2022, held
virtually in a Zoom Video Conference
(Subject to Revision)

Attendance:

Bryan Torok, N8OOF; Eric Jessen, N8AUC;
Robert Wright, KE8CEO; Carl Gedeon;
KB8VXE; Jeff N8YNR;

Excused:

Marv Grossman, W8AZO; Eddie Stevens,
KD8FTS; Jon Anhold, KM8V;

Members:

Elaine Wilkinson, KC8FOS

1. Call to Order

Bryan called the meeting to order
at 9:26 a.m.

2. Elections

There was no contest in the re-election of
officers. Seating of the trustees resulted in
all of the incumbents being re-appointed as
there were no other candidates. Jeff, Robert,
Carl were seated.

Officers:

President: Bryan
VP/Licenses Trustee: Eric
VP: Robert
Secretary/Treasurer: Jeff
Radio Officers: Dave/Bryan

Eric moved, Carl Seconded to keep all of
officers as they were.

Jeff indicated he is no longer interested in
being the Treasurer/Secretary. He will serve
in the capacity long enough to transition the
role and processes to someone else in
January. Jeff advised that although the title
is Treasurer/Secretary to comply with the
bank's requirements as to who can be the
primary signatory on our account (a
Secretary), the role of Secretary can be
delegated to anyone by whoever holds the
title of Secretary/Treasurer. If we want our
future Treasurer to be able to work directly

with a bank they should maintain the title of
Secretary/Treasurer.
The motion carried 4-1 with Jeff voting
against it.

Committee Chairs:

Membership Chair: Marv
Venue: Eddie
Program: Eric
Net Control: Carl
Sunshine: Robert
Technical: Dave

Bryan advised the Trustees that he is leaving
all of the presidential committee chair
appointments as they are for 2023

3. Meeting Minutes

Eric moved that we accept the minutes as
presented, Robert seconded. The motion
carried.

4. Treasurer's Report

provided by Jeff N8YNR - No relevant change;
still reasonable well filled.

5. Membership Report:

Marv Grossman, W8AZO; 147 current
members.

6. Venue Chair's Report / Discussion:

The next meeting is to be a Houlihan's in
Westlake.

7. Technical Report:

The 76 repeater PA problem was identified,
parts are on order, and Dave Andrewjewski
will be working to repair the repeater.

8. ARDC Grant Committee:

Bryan appointed Jeff to lead the ARDC Grant
Committee. The Grant Committee will
schedule meetings throughout the next few
months to nail down the equipment and costs
to submit a complete ARDC grant. The
deadline for the next consideration time
frame is February 1st, 2023 - the committee
should aim to submit their application by
Sunday January 29th.

9. Adjournment:

Motion by Eric and seconded by Jeff, the
meeting adjourned at 10:47 a.m. hours EST.

Respectfully submitted,
Jeff Garvas - N8YNR

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27 November	28	29 6:30p.m. LEARA Holiday meeting 7:45 p.m. OHDN	30	1 8 p.m. LEARA VOICE 146.76/R	2 December	3
4	5	6 7:45 p.m. OHDN	7	8 8 p.m. LEARA VOICE 146.76/R	9	10
11	12	13 7:45 p.m. OHDN	14	15 8 p.m. LEARA VOICE 146.76/R	16	17
18	19	20 7:45 p.m. OHDN	21	22 8 p.m. LEARA VOICE 146.76/R	23	24 Christmas Eve
25 Christmas Day	26	27 7:45 p.m. OHDN	28	29 8 p.m. LEARA VOICE 146.76/R	30	31 New Years Eve
1 New Years Day	2	3 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	4	5 8 p.m. LEARA VOICE 146.76/R	6	7
8 January	9	10 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	11	12 8 p.m. LEARA VOICE 146.76/R	13	14
15	16 Martin Luther King Day	17 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	18	19 8 p.m. LEARA VOICE 146.76/R	20	21
22	23	24 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	25	26 8 p.m. LEARA VOICE 146.76/R	27	28
29	30	31 6:30p.m. LEARA meeting 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	1 February	2 8 p.m. LEARA VOICE 146.76/R	3	4

Volunteer Exam Dates and Locations

from www.arrl.org



Due to the Coronavirus outbreak, please verify with your VE team that the exam session is being held.

12/03/2022 | [Kirtland OH 44 094](#)

Sponsor: Lake County ARA

Location: Kirtland Library

Time: 12:00 PM (Walk-ins allowed)

[Learn More](#)

01/07/2023 | [North Olmsted OH 44 070](#)

Sponsor: Northern Ohio Amt Radio Society

Location: North Olmsted Library

Time: 10:00 AM (Walk-ins allowed)

[Learn More](#)

01/08/2023 | [Independence OH 44 131](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

Time: 9:15 AM (Walk-ins allowed)

[Learn More](#)

02/04/2023 | [Kirtland OH 44 094](#)

Sponsor: Lake County ARA

Location: Kirtland Library

Time: 12:00 PM (Walk-ins allowed)

[Learn More](#)

03/12/2023 | [Elyria OH 44 035](#)

Sponsor: Northern Ohio ARS

Location: Lorain County Community College

Time: 9:00 AM (Walk-ins allowed)

[Learn More](#)

Upcoming Hamfests and Conventions

from www.arrl.org

No Hamfests or Conventions near Cleveland scheduled for the first quarter of 2023

Puzzle 12 (Medium, difficulty rating 0.56)

3	2	4			5			
	8	9		7	3			
6			1					
5				8		9	3	2
2	7	3		9				8
					6			1
			9	1		8	2	
			7			6	4	5

Puzzle 6 (Hard, difficulty rating 0.71)

				8		9	3	
8		9			6			7
						6	8	2
1		3	4		2			8
				3				
9			5		1	4		3
5	6	1						
7			6			5		1
	9	4		1				

Radio Amateurs Support the Great ShakeOut 2022 in Puerto Rico

11/01/2022 - from: <http://www.arrl.org/news/radio-amateurs-support-the-great-shakeout-2022-in-puerto-rico>

Students from the Crop Protection Student Association at the University of Puerto Rico in Mayagüez participated in a communications practice session as part of the yearly Great Puerto Rico ShakeOut Drill on October 20, 2022. International ShakeOut Day draws millions of people worldwide to participate in earthquake drills at work, school, or home.

ARRL Puerto Rico Section Assistant Section Manager Leyda Rios, WP4RBK, presented a conference entitled, "Radio Services and the Great ShakeOut," which provided advice and hands-on activities about how to use different personal radio services in the event of an earthquake. Staff members and students learned about the Amateur Radio Service and several other radio services.

Participants had the opportunity to talk with several amateurs using simplex frequencies and

repeaters. Many were interested in learning more about radio communications, and the event answered questions about how amateur radio can assist during emergencies when other means of communications fail. The drill was attended by students and staff members. Information on how to obtain an amateur radio license and where to obtain radio equipment was also available



ARRL Puerto Rico Section Assistant Section Manager Leyda Rios, WP4RBK (left), assisted University of Puerto Rico Crop Protection Student Association President Moraima Colón, make radio contact with several amateurs. [Luis E. Collazo, WP4RAQ, photo]

LEARA — The Lake Erie Amateur Radio Association

More than **50 YEARS** of Serving Greater Cleveland Since 1969

VOICE REPEATERS:

146.76/R-	• Highland Hills	(Requires 110.9 Hz tone)
146.88/R-	• Lakewood	(Requires 110.9 Hz tone)
224.90/R-	• Lakewood	(Requires 141.3 Hz tone)
444.40/R+	• Macedonia	(Requires 131.8 Hz tone) (Offline)
444.70/R+	• Lakewood	Digital System Fusion & Analog (Req. 131.8 Hz tone)

INTERNET:

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