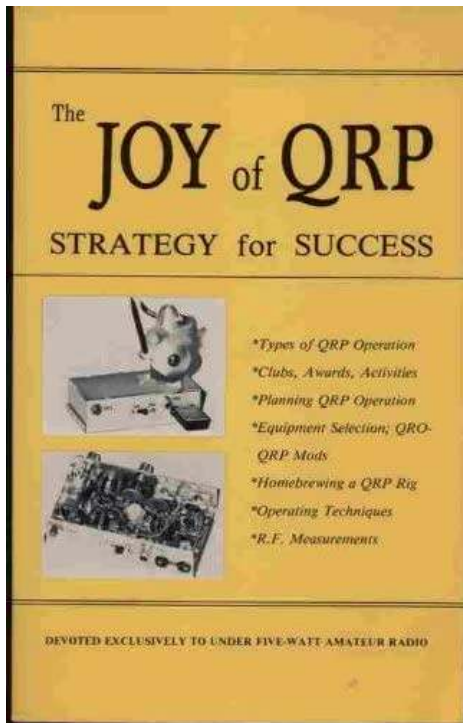




# The Spirit of '76 and '88



Newsletter of the  
**January Lake Erie Amateur Radio Association 2023**  
Carsten Lohrmann, KD8WBB, Editor



Anthony will discuss what QRP Operating is, how he got started, and why you might want to give it a try. He will discuss a wide variety of QRP operating styles, take a look at some equipment used, and activities QRPers are involved in. He will discuss the unique opportunity it provides for Foundation Licensees, what any ham can accomplish with QRP and give examples of his success. Furthermore, he will also provide many resources to assist you with QRP Operations.

## LEARA Meeting

### Virtual Meeting - Online

Anthony Luscre  
K8ZT

QRP Operation



Click or scan to join

January 31, 6:30 p.m.

## The Prez Says

by Bryan Torok, N8OOF



**It's Time to renew your LEARA membership.** If you haven't yet renewed, please take a moment to do so while you're thinking about it. The easiest way to do that is to go to our website, <https://www.leara.org/club-information/membership-renewal>. There you may pay online using PayPal or your favorite credit

... continue on page 2

**Prez cont.**

OFFICERS and TRUSTEES	
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<b>Eric Jessen</b> VP, License Trustee	N8AUC 440-554-3057
<b>Jeff Garvas</b> Sec'y-Treasurer	N8YNR 216-496-3928
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<b>Dave Andrzejewski</b> Radio Officer	AD8G 440-220-2064
NEWSLETTER	
<p><i>The Spirit of '76 &amp; '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><b>Editor:</b> Carsten Lohrmann, KD8WBB E-mail: editor@leara.org</p> <p><b>Proofreading:</b> TNX to W8AZO, N8YNR</p>	

v08/2022-08-25

card. You may also mail a check to LEARA, PO Box 22823, Beachwood, Ohio 44122-0823. No matter how you renew, we appreciate your support.

**The November Holiday Meeting** was held at **Houlihan's**, in Westlake. We had a buffet-style dinner very similar to the previous times we were at Houlihan's. The food was excellent and while a tad more expensive, well worth it. We played bingo for at least a dozen door prizes including an assortment of soldering torches, irons, and heat guns courtesy of **Fred Doob, K8PP**, the Solder-It guy. We also had three rounds of Bingo for LEARA dinner bucks followed by the drawing for the Main Prize of an Alinco DJ-VX50T dual band (2 m/70 cm) handheld transceiver. If you weren't there, you missed out on a good time.

**Upcoming meetings:** Following discussion at the January trustees meeting it was decided that the January, February, and March meetings of 2023 will be held via Zoom. The meeting time will be at 7:30 p.m. The link will be sent out as usual. Thanks to the Hamfest Association of Cleveland (HAC.org) for the use of the Zoom video conferencing.

**The January meeting** will feature a presentation by **Anthony Luscre, K8ZT**, on QRP operation. Anthony has available well over 100 ham radio related presentations. You can find the entire list at [tiny.cc/k8zt-p](http://tiny.cc/k8zt-p) Anthony invites you to browse the list and let us know if there any you would like to see at a future meeting. They can be presented in person or via Zoom.

For the February meeting, our program chair **Eric, N8AUC**, is lining up a presentation on the 1921 Trans-Atlantic Test. The March meeting is open. For April we are planning on our annual

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](http://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](http://www.leara.org) for details.

## Prez cont.

Skywarn-related weather presentation. I'm hoping I can persuade **Dave, AD8G**, to spend some time discussing the various weather-related apps and online services which he touched on during last year's presentation.

**Changing of the Officers:** At the January trustees meeting, **Eddie Stevens, KD8FTS**, who already serves as LEARA's venue chairman, volunteered to take on the additional duties of Secretary/Treasurer, relieving **Jeff Garvas, N8YNR**. Jeff had been Treasurer since taking over the position from Dave Foran, WB8APD (SK), in 2015. The Trustees thank Jeff for his many years of service. A former trustee, **Jim MacMillan, WA8ZHN**, will be assisting Eddie with the secretarial portion of the position.

**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.

## Note from your radio officer

Dave Andrzejewski, AD8G

...continuation from Nov. 2022 story:

Here's a photo of the entire PA – can you spot the problem (bigger image on page 8)?



Looks like we let the smoke out of those resistors.

The resistors are a symptom, but not the root cause of the failure. The real problem is that the output transistor on one of the PAs was not securely mounted, and with nowhere for its heat to go, it overheated and failed. This caused the demand on the other PA to skyrocket, and it was being pushed to its max at about 120 watts. This, in turn, caused the resistors to burn up.

We are replacing the resistors with a single 100W non-inductive resistor, and the bad transistor is going to be replaced with a new-to-us transistor we purchased from a seller on eBay, and we'll be back up and running – if all goes well – by the end of the month. Total cost of these parts to the club – about \$40.

All that said, that PA had been on the air for about a decade without any failures. Not a bad run.

Dave/ad8g





# LEARA Meeting

Houlihan's, Nov. 29, 2022

Pictures: Carsten Lohrmann









## 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.

November 2022 Checkins - 21					
K2WJS	BILL	KD8FTS	Eddie	N8OBJ	John
K8EHP	Mike	KE8ROW	Kyle	N8QMK	Mike
K8SAS	Steve	KG8DN	Ken	N8UPZ	Bill
K8SMK	Scott	KI4AGJ	Martin	W8DKA	Doug
K8BVXE	Carl	N8AHS	Fred	W8IE	Ed
KC8FQV	Mark	N8AUC	Eric	W8JMI	Bryan
K8BAJZ	Rich	N8JIW	Don	WA8ZHN	Jim

December 2022 Checkins - 28					
AB8UM	Mike	KD8NEO	David	N8UPZ	Bill
AD8G	Dave	KD8TNF	Chris	N8WHR	Mike
K8EHP	Mike	KE8BJD	Steve	W8DKA	Doug
K8SAS	Steve	KG8DN	Ken	W8IE	Ed
K8WLF	Frank	KI4AGJ	Martin	W8IXY	Ted
KA8WQL	Bob	N8ACP	Chris	W8JMI	Brian
K8BVXE	Carl	N8AHS	Fred	W8PKT	William
KC8FQV	Mark	N8AUC	Eric	WA8ZHN	Jim
K8BAJZ	Rich	N8DKW	Dave		
KD8FTS	Eddie	N8QMK	Mike		

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

Net Control Schedule			
01/19/23	Ed	W8IE	
01/26/23	Carl	K8BVXE	
02/02/23	Eric	N8AUC	
02/09/23	Ken	KG8DN	
02/16/23	Steve	K8SAS	
02/23/23	Mike	AB8UM	
03/02/23	Ed	W8IE	
03/09/23	Carl	K8BVXE	
03/16/23	Eric	N8AUC	
03/23/23	Ken	KG8DN	
03/30/23	Steve	K8SAS	

For January, February and March the tentative scheduled NCOs are:

Please check the website for current assignments.

--- click ---

<b>NCOs</b>	AB8UM	MIKE	KG8DN	KEN
	K8SAS	STEVE	KM8V*	JON
	K8BVXE	CARL	N8AUC	ERIC
			W8IE	Ed

\*Short time leave \*\*Long term leave

### 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](mailto:kb8vxe@arrl.net)

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## Sunshine

Please contact Robert Wright ([ke8ceo@leara.org](mailto:ke8ceo@leara.org)) with information.

## 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](http://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 have resumed 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](http://www.n8esg.org/ares).

## Volunteer Exam Dates and Locations

from [www.arrl.org](http://www.arrl.org)

**02/04/2023 | [Kirtland OH 44094](#)**

**Sponsor:** Lake County ARA

**Location:** Kirtland Library

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

[Learn More](#)

**03/12/2023 | [Independence OH 44131](#)**

**Sponsor:** Cuyahoga ARS

**Location:** Old Elmwood Recreation Center

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

[Learn More](#)

**04/01/2023 | [Kirtland OH 44094](#)**

**Sponsor:** Lake County ARA

**Location:** Kirtland Library

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

[Learn More](#)

**04/08/2023 | [Cuyahoga Falls OH 44223](#)**

**Sponsor:** Cuyahoga Falls ARC Hamfest

**Location:** Emidio & Sons Expo Center

**Time:** 9:00 AM

(No Walk-ins / Register or Call ahead)

[Learn More](#)

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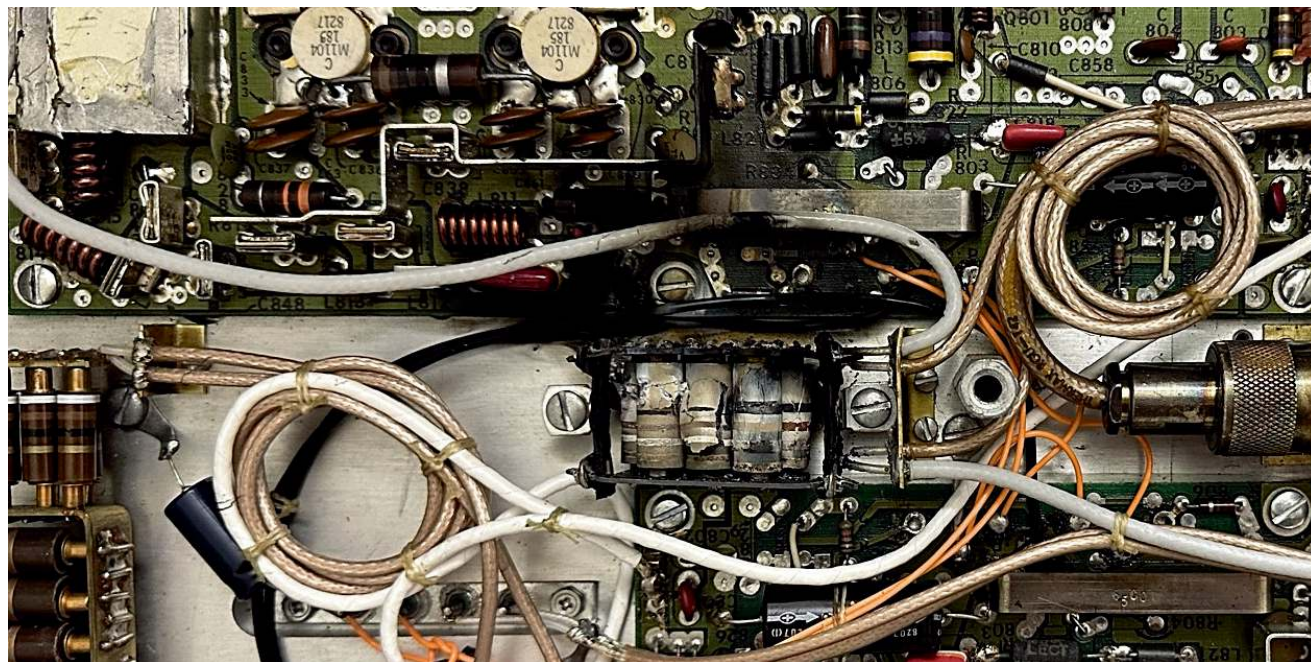
## Upcoming Hamfests and Conventions

from [www.arrl.org](http://www.arrl.org)

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



Sun	Mon	Tue	Wed	Thu	Fri	Sat
29 <b>January</b>	30	31 6:30p.m. <b>LEARA meeting</b>	1	2 8 p.m. LEARA VOICE 146.76/R	3 <b>February</b>	4
5	6	7 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	8	9 8 p.m. LEARA VOICE 146.76/R	10	11
12	13	14 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	15	15 8 p.m. LEARA VOICE 146.76/R	17	18
19	20	21 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	22	23 8 p.m. LEARA VOICE 146.76/R	24	25
26	27	28 6:30p.m. <b>LEARA meeting</b>	1	2 8 p.m. LEARA VOICE 146.76/R	3 <b>March</b>	4
5	6	7 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	8	9 8 p.m. LEARA VOICE 146.76/R	10	11





**LAKE ERIE AMATEUR RADIO  
ASSOCIATION  
TRUSTEES' MEETING MINUTES**

January 14th, 2023  
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; Marv Grossman,  
W8AZO; Eddie Stevens, KD8FTS; Jon Anhold,  
KM8V; David Andrewjewski, AD8G

**Members:**

James MacMillan, WA8ZHN; Carsten  
Lohrmann, KD8WBB

**1. Call to Order**

The meeting to order shortly after 9:00 a.m.

**2. Meeting Minutes**

Marv Moved, Carl seconded to accept the  
November minutes. The motion carried.

**3. Treasurer's Report**

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

**4. Membership Report:**

Marv reported we have 144 active members.  
99 of which who still need to renew. Marv  
reported that the ARRL kick back for  
renewing through a club has raised from \$2  
to \$5 per member. Eddie and Marv may work  
together to make the process easier to sign  
up for on the website.

**5. Venue Chair's Report / Discussion:**

Eric moved to make the January, February and  
March meetings via Zoom, Dave seconded.  
The motion passed 7-2.

**6. Technical Report:**

Jeff, Jon and Dave will meet separately to the  
club and work on the club's efforts to obtain  
a grant to improve repeaters.

**7. Treasurer/Secretary position:**

Jeff has indicated an interest to no longer be  
the Treasurer/Secretary. Eddie has offered to  
take on the treasurer role and Jim MacMillan  
will be delegated the role of Secretary.  
Jon, Dave seconded to nominate Eddie as  
Treasurer/Secretary with the role of secretary  
delegated to Jim MacMillan. Jeff will reach  
out to Chase Bank and determine what  
changes need to be made.

**8. Adjournment:**

Jon moved to adjourn and Marv seconded.  
The meeting adjourned at 10:27 a.m.

Respectfully submitted,  
**Jeff Garvas - N8YNR**



**Membership renewals!**

Please be aware that membership  
renewals are due!

If you are still missing out, you can find  
renewal information or pay directly on  
our website:

[https://www.leara.org/club-information/  
membership-renewal](https://www.leara.org/club-information/membership-renewal)

## HAARP Thanks Amateur Radio Operators for Help with Latest Experiment

01/13/2023 - from: <http://www.arrl.org/news/haarp-thanks-amateur-radio-operators-for-help-with-latest-experiment>

On Tuesday, December 27, 2022, the High-frequency Active Auroral Research Program (HAARP) conducted its latest ionospheric experiment of bouncing radio signals off an asteroid passing near Earth's orbit.

Amateur radio operators and radio astronomy enthusiasts were invited to monitor the test and send their results to HAARP for analysis. While the results of the experiment will take several weeks, Jessica Matthews, HAARP Program Manager, said the help was greatly appreciated. "So far we have received over 300 reception reports from the amateur radio and radio astronomy communities from six continents who confirmed the HAARP transmission."

HAARP officials say the results of the experiment could aid efforts to defend Earth from larger asteroids that could cause significant damage.

"We will be analyzing the data over the next few weeks and hope to publish the results in the

coming months," said Mark Haynes, lead investigator on the project and a radar systems engineer at NASA's Jet Propulsion Laboratory in California. "This experiment was the first time an asteroid observation was attempted at such low frequencies," he said. "This shows the value of HAARP as a potential future research tool for the study of near-Earth objects."

The University of Alaska Fairbanks (UAF) operates HAARP under an agreement with the Air Force, which developed and owned HAARP but transferred the research instruments to UAF in August 2015.



A frosty landscape surrounds antennas at the High-frequency Active Auroral Research Program site in Gakona, Alaska, on December 20, 2022. [JR Ancheta, UAF/GI, 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       | <b>Digital System Fusion</b> & Analog (Req. 131.8 Hz tone) |

### INTERNET:

- [www.leara.org](http://www.leara.org)
- To subscribe via e-mail, send a message to: [spirit76-request@leara.org](mailto:spirit76-request@leara.org)  
Put "**subscribe**" in the subject area and your name and call sign in the body.  
Those who subscribe via e-mail will not receive a paper copy of the newsletter.