



The Spirit of '76 and '88



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



LEARA Meeting
My Friends Restaurant
11616 Detroit Avenue
Cleveland, OH 44102

Introduction to the Nano VNA

Chuck Mehozonek,
K8CVM

May 30, 6:30 p.m.

Click or scan QR code to RSVP



A network analyzer is an instrument that measures the network parameters of electrical networks. Today, network analyzers commonly measure s-parameters because reflection and transmission of electrical networks are easy to measure at high frequencies, but there are other network parameter sets such as y-parameters, z-parameters, and h-parameters. Network analyzers are often used to characterize two-port networks such as amplifiers and filters, but they can be used on networks with an arbitrary number of ports.

The NanoVNA is a low-priced vector network analyzer (VNA) capable of measuring antennas, filters, duplexers, and amplifiers and opening up VNA features formerly not in reach for the average Joe.

The Prez Says by Bryan Torok, N8OOF



For the April meeting, LEARA returned to in-person meetings at the **Firehouse Grille & Pub** in Willoughby Hills with our annual Skywarn/weather related weather presentation, this year done by **Dave Andrzejewski, AD8G**. I was unable to attend, but I understand from people who were there

... continue on page 2

OFFICERS and TRUSTEES	
Bryan Torok President	N8OOF btorok@sbcglobal.net
Eric Jessen VP, License Trustee	N8AUC 440-554-3057
Jeff Garvas Sec'y-Treasurer	N8YNR 216-496-3928
TRUSTEES	
Marv Grossman Membership	W8AZO 440-248-0031
Robert Wright, II Vice President	KE8CEO 216-502-1552
Eddie Stevens Venue	KD8FTS 440-668-7409
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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Al Severson	AB8P (SK)
Dave Foran	WB8APD (SK)
Bob Winston	W2THU
POINTS OF CONTACT	
Robert Wright, II "Sunshine"	KE8CEO 216-502-1552
Bryan Torok Radio Officer	N8OOF btorok@sbcglobal.net
Dave Andrzejewski Radio Officer	AD8G 440-220-2064
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.

that the meeting was well attended and well received.

For the May meeting, we will return to another favorite venue, **My Friends Restaurant**, 11616 Detroit Ave. in Cleveland. For the program, we have an **Introduction to Using the Nano VNA** presented by **Chuck Mehozonek, K8CVM**. Dinner will be at **6:30 p.m.** with the meeting at about **7:30 p.m.**

As I'm writing this, we may have Zoom up for the meeting, but mostly as a one-way setup for people at home to view the program. If you can't make the meeting, check the Zoom link between 7:15 to 7:30 and see if we are there. The link will be on the website, and in the emailed meeting announcement. Thanks to the **Hamfest Association of Cleveland (HAC.org)** for the use of the Zoom video conferencing.

The June and July meetings are scheduled to be picnic meetings.

President's appointment of Nomination and Election Committees: **Robert Wright, KE8CEO** will serve as chair of the committees. We are seeking other members to assist him with those duties. Incumbents elected in 2020 and up for reelection: Eric Jessen, N8AUC; Eddie Stevens, KD8FTS; and Jon Anhold, KM8V.

Amateur Radio Meet and Greet Potluck: I was recently informed that a group of hams from several area clubs are putting together a potluck style get together scheduled for **Sunday, July 23, 2023, from 1:00 to 4:00 p.m.** It is planned to be in the Cottonwood Picnic Shelter, Valley Parkway (South of Puritas and Mastick Roads) in the Cleveland Metroparks, Cleveland, OH. This

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.

Go to https://www.leara.org/files/ARRL_via_LEARA_Appl_Instructions.pdf and follow the instructions therein.

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.

is intended to promote fellowship and camaraderie among the various local Ham Radio clubs. They are planning several activities, more details next month. I plan to attend. If this sounds like a good time, mark the date on your calendar.

Do you listen to AM radio in your car? I don't mean Ham Radio, but rather AM broadcast radio. Over the last several years, auto manufacturers have been quietly deleting AM broadcast radios from many of their new cars, particularly electric vehicles (EVs). This recently came to a head when Ford Motor Company announced they were dropping AM radios from their 2024 lineup of new cars. At least six other manufacturers (Volkswagen, BMW, Mazda, Volvo, Tesla, and Rivian) have removed or plan to remove AM radios from their cars.

In response, several representatives and senators have introduced bipartisan legislation to force auto manufacturers to include AM radios in their vehicles. The proposed law is supported by the Federal Communications Commission and the radio broadcasting industry. However, it is opposed by industry trade associations such as the Zero Emission Transportation Association, the Alliance for Automotive Innovation, the Consumer Technology Association, and TechNet

More info than I have space for can be found in this article.

<https://www.kxro.com/legislators-introduce-bill-to-keep-am-radio-in-vehicles/>

The full text of the "AM for Every Vehicle Act" may be found here:

<https://www.markey.senate.gov/imo/media/doc/am-radio-for-every-vehicle-actpdf.pdf>

If having the ability to receive AM broadcast radio in your car is important to you, I urge you to contact your U.S. representative and senator

and make your views known.

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.

Thank you Ken – Happy Retirement

I want to thank **Ken Kane KD8GN** and wish him well in his retirement. Ken has been active with LEARA over the years in many capacities. He has been a trustee, news editor and net controller for many years and we want to thank him for his services. We will miss you.

Carl Gedeon, KB8VXE



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.

April 2023 Checkins - 33					
	BILL	KE8FAT	Eric	N8QMK	Mike
K8EHP	Mike	KE8WTB	AJ	N8RKE	Larry
K8SAS	Steve	KG8DN	Ken	N8TYV	Rivkak
K8TUN	Andej	KI4AGJ	Martin	N8UPZ	Bill
K88LJ	Chuck	KM8V	Jon	W8DKA	Doug
K88VBR	Leone	KZ8TG	Tim	W8IE	Ed
K88VXE	Carl	N8AHS	Fred	W8IXY	Ted
KC8FQV	Mark	N8IYA	Steve	W8JMI	Bryan
KD8AJZ	Rich	N8JEW	Joe	W8VFD	Mike
KD8WBB	Carsten	N8JW	Don	W8ZHN	Jim
KE8ADV	Tony	N8DOF	Bryan	W8TOP	Tim

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

The tentative scheduled NCOs for the next Nets are:

Please check the website for current assignments.

--- click ---

Net Control Schedule			
05/18/23	Carl	KB8VXE	
05/25/23	Eric	N8AUC	
06/01/23	Mike	AB8UM	
06/08/23	Ed	W8IE	
06/15/23	Carl	KB8VXE	
06/22/23	Eric	N8AUC	
06/29/23	Mike	AB8UM	
07/06/23	Ed	W8IE	
07/13/23	Carl	KB8VXE	
07/20/23	Eric	N8AUC	
07/27/23	Jon	KM8V	

NCOs	AB8UM	MIKE	KM8V*	Jon
	K8SAS *	STEVE	N8AUC	ERIC
	K88VXE	CARL	W8IE	Ed

*Short time leave **Long term leave

The Wednesday Night Skywarn Practice Net

The Skywarn season has begun.

Practice nets are held Wednesday evenings at 8:30 p.m. on the 146.76 repeater. 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 have resumed and nets 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.

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.

We wish to pass on our condolences to Ron Holland K8RON whose father passed away mid-May

Volunteer Exam Dates and Locations

from www.arrl.org

06/03/2023 | [Kirtland OH 44094](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

06/10/2023 | [Cuyahoga Falls OH 44221](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

Time: 10:30 AM

(No Walk-ins / Register or Call ahead)

[Learn More](#)

07/09/2023 | [Independence OH 44131](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

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

[Learn More](#)

07/15/2023 | [Elyria OH 44035-1613](#)

Sponsor: Northern Ohio ARS

Location: Lorain County Community College

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

[Learn More](#)

08/05/2023 | [Kirtland OH 44094](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

Upcoming Hamfests and Conventions

from www.arrl.org

07/08/2023 - [Mansfield Trunkfest 2023](#)

Location: Mansfield, OH

Type: ARRL Hamfest

Sponsor: Intercity Amateur Radio Club

Website: <http://iarc.club>

[Learn More](#)

07/15/2023 - [NOARSFEST](#)

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur
Radio Society

[Learn More](#)

09/24/2023 - [Cleveland Hamfest](#)

Location: Berea, OH

Type: ARRL Hamfest

Sponsor: Hamfest Association of Cleveland

Website: <http://www.hac.org>

[Learn More](#)

**10/29/2023 - [Massillon \(OH\) Hamfest
\(& Auction\)](#)**

Location: North Canton, , OH

Type: ARRL Hamfest

Sponsor: Massillon Amateur Radio Club

Website: <http://www.w8np.net>

[Learn More](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28 Blossom Time Run	29	30 6:30p.m. LEARA meeting	31	1 8 p.m. LEARA VOICE 146.76/R	2	3 June
4	5	6 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	7	8 8 p.m. LEARA VOICE 146.76/R	9	10
11 Sunday in June	12	13 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	14 Flag Day	15 8 p.m. LEARA VOICE 146.76/R	16	17
18 Fathers Day	19 June- teenth	20 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	21	22 8 p.m. LEARA VOICE 146.76/R	23	24 Bike to the Bay
25 Bike to the Bay	26	27 6:30p.m. LEARA meeting	28	29 8 p.m. LEARA VOICE 146.76/R	30	1 July



<https://bit.ly/blossom2023>

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

May 13th, 2023

held virtually in a Zoom Video Conference

(Subject to Revision)

Attendance:

Bryan Torok, N8OOF; Robert Wright, KE8CEO; Eddie Stevens, KD8FTS; Carl Gedeon, KB8VXE; Marv Grossman, W8AZO; Jon Anhold, KM8V; Jeff Garvas, N8YNR; Dave Andrzejewski, AD8G

Members:

Carsten Lohrmann, KD8WBB; Sara Torok, KC8KSU

Excused:

Eric Jessen, N8AUC

1. Call to Order

The president called the meeting to order at 9:15 a.m.

2. March Meeting Minutes

Motion to accept, Robert Wright, KE8CEO. Seconded by Carl Gedeon, KB8VXE. Motion carried without objection.

3. Treasurer's Report

provided via text following the close of regular business by Jeff Garvas, N8YNR. Jeff further stated that the handing off of duties to Eddie Stevens, KD8FTS is nearly complete. They need to find a mutually agreeable time to finalize a few details.

4. Membership Report:

Marv Grossman, W8AZO; 137 current.

5. Venue Chair's Report / Discussion:

Eddie, KD8FTS reports May to be held at My Friends Restaurant. June and July tentatively to be picnic meetings with June in Independence and July at our regular Brecksville site.

6. Upcoming Programs:

The May meeting will be an introduction to using the Nano VNA presented by Chuck

Mehozonek, K8CVM. The June meeting will tentatively be Drones 2.0 and the July meeting will be our regular picnic meeting in Brecksville.

7. Net Report & Sunshine:

Carl Gedeon, KB8VXE, reported that they are down to four net control operators, with members moving, retiring, or dealing with health issues.

8. Technical Committee Report:

By Dave Andrzejewski, AD8G, all repeaters operating. 146.76 is still using borrowed power supply. The purchase of a new supply is still pending. A scheduled trip to the CWRU input site is still pending.

9. Sunshine

Robert Wright, KE8CEO reported that Mike AB8UM has an upcoming surgery scheduled. President Bryan Torok, N8OOF, has been dealing with kidney stone issues which he is hoping to have resolved in the next few weeks.

10. President's appointment of Nomination and Election Committees

Robert Wright, KE8CEO will serve as chair of the committees. We are seeking other members to assist him with those duties. If an election is necessary, Bryan Torok, N8OOF, will handle the arrangements with Voting Place. Incumbents elected in 2020 and up for reelection: Eric Jessen, N8AUC; Eddie Stevens, KD8FTS; and Jon Anhold, KM8V.

11. Old Business:

Eddie, KD8FTS, paperwork has been submitted to Tech Soup and Microsoft and we are awaiting their response.

12. New Business:

None

13. Adjournment:

Motion by Dave Andrzejewski, AD8G and seconded by Jon Anhold, KM8V, motion carried at 0955 hours EDT.

Respectfully submitted,
Bryan Torok - N8OOF

Congresswoman Lesko Reintroduces Bill to Replace Symbol Rate Limit with Bandwidth Limit

05/12/2023 - from: <http://www.arrl.org/news/congresswoman-lesko-reintroduces-bill-to-replace-symbol-rate-limit-with-bandwidth-limit>

Congresswoman Debbie Lesko (AZ-08) introduced The Amateur Radio Communications Improvement Act (H.R. 3241) on May 11, 2023, to require that the Federal Communications Commission (FCC) eliminate the obsolete HF digital symbol rate limit with a 2.8 kHz bandwidth limit.

After being petitioned by ARRL The National Association for Amateur Radio® in 2013 (RM-11708) for the same relief, in 2016 the Commission issued a Notice of Proposed Rulemaking (WT Docket No. 16-239) in which it agreed that the HF symbol rate limit was outmoded, served no purpose, and hampered experimentation. But the Commission questioned whether any bandwidth limit was needed in its place. Most amateurs, including the ARRL, objected to there being no signal bandwidth limit

in the crowded HF bands given the possibility that unreasonably wide bandwidth digital protocols could be developed. Since 2016 there has been no further FCC action.

Congresswoman Lesko introduced a similar bill (H.R. 9664) in the 117th Congress in 2022. Read ARRL's coverage of that bill at this link.

Lesko has long demonstrated an interest in supporting Amateur Radio. Earlier in 2023, she spoke at a Hamfest in Phoenix, Arizona where she met with and praised the work of ARRL Volunteers in the state.

“Increased amounts of data can be put on the spectrum due to advances in modern technology, so there is little need for the FCC to place limits on symbol rates,” said Congresswoman Lesko. “That is why I am proud to reintroduce this important legislation to update the FCC’s rules and increase the speed of transmission so that amateur radio operators can more efficiently and effectively transmit messages during times of crisis, such as natural disasters.” ...

For the full article, follow this link:

<http://www.arrl.org/news/congresswoman-lesko-reintroduces-bill-to-replace-symbol-rate-limit-with-bandwidth-limit>

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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