



The Spirit of '76 and '88



Newsletter of the
June Lake Erie Amateur Radio Association 2021
Carsten Lohrmann, KD8WBB, Editor



LEARA June 29. Meeting **Virtual Meeting - Online**

Stan Broadway,
Ohio Section EC,
N8BHL
Inside tour of
"the Sarge", W8SGT

June 29.
7:30 p.m.



Click or
scan to join

Inside tour of "the Sarge", W8SGT

This time, Stan has a special treat for us.

This month, via zoom, we will be getting an inside tour of "the Sarge", W8SGT.

This is the amateur radio station at the State of Ohio EMA facility in Columbus.

Formerly it was an ARES EC, and DEC.

Most people haven't been there, and it's a pretty impressive facility!

If you've ever been on the Ohio Statewide Emergency Net, Tuesday nights at 7:30PM on 3.902 MHz, this station is net control.

With any luck, we'll be able to get a tour of the rest of the EMA facility as well, although that isn't guaranteed.

The Prez Says by Bryan Torok, N8OOF



The May Meeting was ARRL Night. Tom Sly, WB8LCD, discussed many ham radio related stats and how Ohio compares to the rest of the nation. We also had a brief update on the current state of affairs in the Ohio Section. It was nice to meet our new Ohio Section Manager.

The June Meeting speaker will be will be our **Ohio Section EC, Stan Broadway, N8BHL.**

... continue on page 2

Prez cont.

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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>	

v04/2020-11-16

From our program chair, **Eric Jessen, N8AUC**, "Normally, when we get Stan it's an ARES night. This time though, Stan has a special treat for us. This month, via zoom, we will be getting an inside tour of "the Sarge", W8SGT. This is the amateur radio station at the State of Ohio EMA facility in Columbus. I've been there a few times when I was an ARES EC, and DEC. Most people haven't been there, and I have to tell you it's a pretty impressive facility! If you've ever been on the Ohio Statewide Emergency Net, Tuesday nights at 7:30 P.M. on 3.902 MHz, this station is net control. With any luck, we'll be able to get a tour of the rest of the EMA facility as well, although that isn't guaranteed.

Please share the meeting info on any nets you might be on, with other Ham Radio clubs, and with anyone who you think might be interested in this presentation. Attendees **DO NOT** need to be members of LEARA or even Hams. And, plan to join us early for chat time prior to the meeting. That is when we do our **free Zoom diagnosis and set up classes**. All meetings are planned to be via Zoom through June of 2021. Thanks to **Hamfest Association of Cleveland (HAC.org)** for the use of the Zoom video conferencing.

July is Picnic Month. We will be having our annual picnic on the regular meeting night of Tuesday, July 27. We anticipate that the meeting will be the same as the last couple of years, at the Harriet Keeler Picnic Pavilion in the Brecksville Reservation of the Cleveland MetroParks and catered by Mr. Mike's. Look for full details in the July issue of "The Spirit of '76 and '88."

Repeater News: 146.760 IS BACK ON THE AIR. It may still need a few things tweaked and/or reconnected, but it is sounding much better than it was. See the full report by our Radio Officer, **Dave Andrzejewski, AD8G**, on page 7.

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.

146.880 has been back for a while. There was a recent question about Allstar on the LEARA Thursday net. Yes, Allstar is working. Every night at 2 A.M. EDT, 146.880 is automatically connected to the Insomniac Trivia Net on the WinSystem. If you can't stay up that late, you may also sign up to participate via email at <http://www.insomniac-group.com/>

Members are welcome to connect to other nodes or nets. We do ask that you turn the link off when you are done.

224.900 has been back for a while after suffering low repeat audio. After decades of trouble-free service a small capacitor in the audio path failed. Dave found it and replaced it. This is a great repeater that is little used. It has coverage equal to or better than 146.880.

444.400 is currently offline due to an issue with its controller. We are still working on moving 444.400 to a more high profile location.

444.700 is working as dual-mode analog and Yaesu System Fusion. However, due to some computer issues the Wires-X mode is not available. This means the repeater works as a stand-alone repeater without connection to the Internet. There are plans to install a Multi-Mode Digital Voice Modem (MMDVM) on 444.700 which will allow analog and multiple digital voice modes including D-Star, DMR, and System Fusion along with connecting through the Internet.

You can find the latest info on the state of LEARA's repeaters at <https://www.leara.org/repeaters> All of the above, including the web page, is due to the efforts of, and with great thanks to, **Dave Andrzejewski, AD8G**, and **Bill Hess, K8SGX**.

Changes from the FCC. Recently there have been several changes affecting Amateur Radio from the FCC. These changes include how the FCC applies the radio frequency exposure rules

to Amateur Radio; requiring an FCC Registration Number (FRN) for all communication with the FCC, including first-time exam applicants; and requiring an email address on all applications. If you are not familiar with these, check out the April and May issues of the "The Spirit of '76 and '88."

Until next month, talk on the radio and use the repeaters. Join us on the air, online, or in person. If you haven't, get your vaccine shots. Things are gradually getting back to normal. We really want to see or at least hear from you.





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. Note that the '76

repeater is back in service. All nets will be held on this repeater. Please use it and notify any trustee of any troubles or issues.

May Checkins					
AB8UM	Mike	KD8WBB	Carsten	N8UPZ	Bill
AC9KV	Romie	KE8JPQ	Chris	NQ8D	Tom
AD8G	Dave	KE8DLR	Michael	W8AWT	Augustine
K2WJS	BILL	KE8RGC	John	W8IE	Ed
K8EHP	Mike	KE8RMV	Sean	W8IXY	Ted
K8RJH	Ron	KG8DN	Ken	W8PKT	William
KB8VXE	Carl	KM8V	Jon	W8TAB	Tom
KC8FQV	Mark	N8AHS	Fred	W8ZHN	Jim
KC8KSU	Sarah	N8AUC	Eric		
KD8FTS	Eddie	N8OOF	Bryan		

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

For June, July
and August the
tentative
scheduled
NCOs are:

Please check
the website for
current
assignments.

--- click ---

Net Control Schedule		
06/17/21	Eric	N8AUC
06/24/21	Jon	KM8V
07/01/21	Mike	AB8UM
07/08/21	Ed	W8IE
07/15/21	Carl	KB8VXE
07/22/21	Eric	N8AUC
07/29/21	Ken	KG8DN
08/05/21	Jon	KM8V
08/12/21	Mike	AB8UM
08/19/21	Ed	W8IE
08/26/21	Carl	KB8VXE

NCOs	AB8UM	MIKE	KG8DN	KEN
	K8SAS	STEVE	KM8V	JON
	KB8VXE	CARL	N8AUC	ERIC
	KD8ACO**	DAVID	W8IE	Ed

*Short time leave **Long term leave

The Wednesday Night Skywarn Practice Net

The Skywarn season runs from April through September. The Skywarn practice nets are held on LEARA's 146.760 repeater every Wednesday at 8:30 p.m. with a simplex net that follows on 146.475. Should the National Weather Service issue a severe weather alert, a Skywarn net will be started on the 146.760 repeater.

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

ARES

ARES nets are held every Tuesday at 8 p.m. on 145.410 +110.9. A simplex net will be held afterwards. ARES Meetings are no longer being held via Zoom. The next meeting July 11, will be held in the meeting room at the Helwig Whistle Stop 599 West Bagley Rd. Berea, OH. at 2 p.m. Please monitor the ARES website at www.n8esg.org/ares for information on nets and events. Please note that as of now the Cleveland Marathon has rescheduled for October 23 & 24. Feel free to sign up. You do not have to be an ARES member to participate.

www.n8esg.org/events

Thursday Net NCOs

Do you know K2??? How about ??UPZ? Do you recognize the voice. Have you met them in person? What about N8OOF? A great way to learn who these voices belong to is to be a net controller! Consider being a net controller.

HELP! We have several people who are on temporary leave of duty. We can always use more LEARA Members to be-come Net Control Operators (NCOs). It's an easy to learn job that is very important in emergencies.

We look forward to your participation!

Carl, KB8VXE, E-Mail: kb8vxe@arrl.net

Sunshine

- Nothing to report

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.

07/11/2021 | [Independence OH 44101](#)

Sponsor: CARS Cuyahoga ARS

Location: To Be Determined

Time: 9:00 AM

(No Walk-ins / Register or Call ahead)

[Learn More](#)

08/07/2021 | [Kirtland OH 44094-8500](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

08/24/2021 | [Westlake OH 44145-5115](#)

Sponsor: AD0VR

Location: Dover Masonic Temple

Time: 7:00 PM (Walk-ins allowed)

[Learn More](#)

Upcoming Hamfests and Conventions

from www.arrl.org



Due to the Coronavirus outbreak, please verify the websites of the hamfests and conventions if the event is being held.

07/10/2021 - [Mansfield Mid-Summer Trunkfest](#)

Location: MANSFIELD, OH

Type: ARRL Hamfest

Sponsor: Intercity Amateur Radio Club

Website: <http://WWW.IARC.CLUB>

[Learn More](#)

07/17/2021 - [NOARSFEST](#)

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur Radio Society

Website: <http://noars.net>

[Learn More](#)

09/26/2021 - [Cleveland Hamfest](#)

Location: Berea, OH

Type: ARRL Hamfest

Sponsor: Hamfest Association of Cleveland

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

[Learn More](#)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27 June	28	29 7:15 p.m. ARES 80m OSSB 7:30p.m. LEARA Virtual meeting 8 p.m. OHDN	30	1 8 p.m. LEARA VOICE 146.76/R July	2	3
4 Independence Day	5	6 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	7	8 8 p.m. LEARA VOICE 146.76/R	9	10 9 a.m. Trustee Meeting
11	12	13 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	14	15 8 p.m. LEARA VOICE 146.76/R	16	17
18	19	20 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	21	22 8 p.m. LEARA VOICE 146.76/R	23	24
25	26	27 7:15 p.m. ARES 80m OSSB 7:30p.m. LEARA Picnic meeting 8 p.m. OHDN	28	29 8 p.m. LEARA VOICE 146.76/R	30	31

Puzzle 5 (Medium, difficulty rating 0.45)

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

146.76 Repeater back on the air

All - I updated the website with the status of 146.76. I added a section to the repeaters page listing the current known issues that I intend to resolve ASAP. I deemed these lower priority than getting the repeater back on the air, but now that it is, I can get to these.

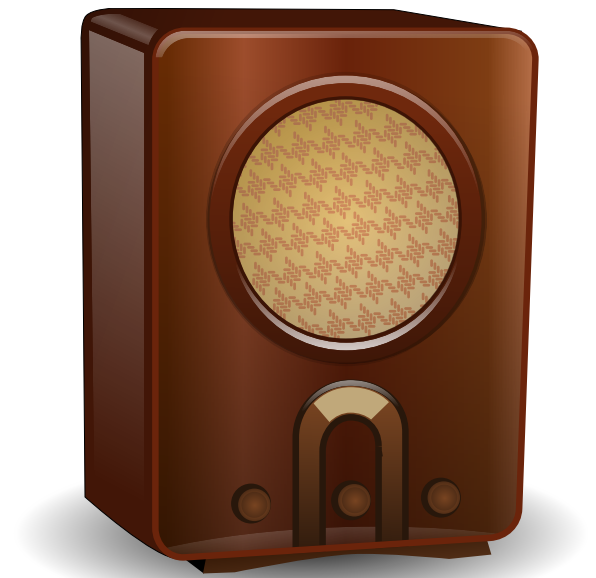
Here are some additional details:

- The Lakewood input has a repeating "clicking" or "ticking" noise. I've verified that the problem is in Lakewood and not at the transmit site. Note that because of the large coverage area of this input, even users on the East side will often vote into it. I will likely pull the link package and bring it back to service it on the bench. I'll try to take it out and put it back in the same week, and I'll make sure to do it during a week when no severe weather has been predicted.
- The Lakewood input does not have working PL on the link frequency. I'll fix this at the same time as the above issue. This contributes to the long squelch crashes we're hearing at the end of transmissions.
- Weather alerts are temporarily unavailable. This is just a matter of wiring the Sage ENDEC back to the controller. I re-positioned some of the items in the rack so I need to run new wires for this. I may be able to get this fixed before end of this month.
- The University Circle input is off the air due to a facility remodel. It was disconnected during the remodel. We are unable to access the facility due to COVID restrictions. It was also not transmitting PL on its link frequency, so I'll probably go up there to grab the input and service it on the bench. I've been keeping in regular contact with the folks there, so as soon as the restrictions are lifted, I'll be able to take care of this.

- PL (CTCSS) is not applied to weather alerts. Users in PL squelch will not hear weather alerts.
- The Newbury input has a long squelch crash which is slightly annoying. This has been a long-standing problem, but I plan to finally take care of it. If users are transmitting PL with proper reverse burst - and listening in PL - there should be no audible squelch crash at all. Yet there is on that input, so some troubleshooting will be required.
- The ID and courtesy tones are too loud. This is a quick adjustment and I'll get it done next time I go to the site. This will very likely be resolved soon.

If I get reports of anything else, I'll add it to that page - <https://leara.org/repeaters>.

Dave/ad8g





ARRL Night

Tom Sly, WB8LCD

25th May 2021



Total World Population = 7.8 Billion
World Wide Hams = 3 Million (aprox)
Approximately 0.039%

US Population = 330 Million
US Hams = 771,457
Approximately 0.234%
US Hams are 25.7% of ALL Hams!

US Hams 2020 771,457 0.233% of Pop
Japan Hams 2015 435,581 0.34% of Pop
Canada Hams 2018 70,198 0.187% of Pop
French Hams 2013 14,160 0.02% of Pop
United Kingdom Hams 2018 75,660 0.114%
Slovenia Hams 2000 6,500 0.317

As of 12/28/2020:
US 771,457 total Hams
7,340 Novice 0.95%
392,512 Tech 50.88%
182,085 General 23.60%
37,274 Advanced 4.83%
152,246 Extra 19.73%



As of 12/28/2020:
#5 OHIO 28,174 total Hams
373 Novice 1.32%
13,117 Tech 46.56%
7140 General 25.34%
1460 Advanced 5.18%
6084 Extra 21.59%

Zoom Video Conference
Room
sponsored by
**Hamfest Association of
Cleveland.**
We say **THANK YOU.**



Goal #1
Get every Ham in the
OH Section engaged in
and having fun with the
hobby!



Family Comes First during Hurricane Preparation for Home and Station

06/16/2021 - from: <http://www.arrl.org/news/family-comes-first-during-hurricane-preparation-for-home-and-station>

The Atlantic hurricane season began on June 1 and continues through November 30, and two named storms have already shown up, although neither threatened the US. There's still time to consider making sure you, your family, and your ham station are prepared. Remember, your family's safety comes first.

Your first stop should be a visit to the National Weather Service (NWS) page for personal and family hurricane season preparedness. Next, prepare your amateur radio station and equipment for possible service and/or deployment. For example, be sure to have multiple sources of back-up power, such as batteries and generators, and test them both to make sure they'll do the job, if needed. Never test or run a generator indoors or in an enclosed area where anyone may be nearby.

Make sure you can take down and reinstall

antennas quickly and efficiently when there's a threat of severe storms. VHF antennas mounted on masts and typical HF dipoles can be taken down and put up in minutes.

Also, test all radios and peripherals, especially those you may not use on a routine basis but might want during a severe weather emergency. This might include handheld transceivers (especially for VHF and UHF) and any HF gear than can easily run from emergency power sources

Know the name, call sign, and email address of both your ARRL Section Manager (SM) and Section Emergency Coordinator (SEC). Keep a list of emergency and public safety nets handy.

In addition, look for local/regional nets before a serious storm strikes, to learn or practice net procedure and get acquainted with all the players you might work with in a disaster: net and emergency managers, Red Cross, Community Emergency Response Teams (CERT), Amateur Radio Emergency Service® (ARES), and Radio Amateur Civil Emergency Services (RACES) communicators. Obtain and learn how to use Winlink HF mail.

Article shortened for editorial purposes.
See full article --->here<---

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:

- www.leara.org
- To subscribe via e-mail, send a message to: **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.