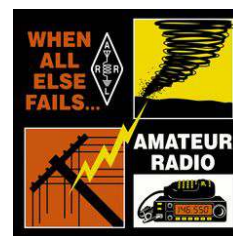




The Spirit of '76 and '88



Newsletter of the
November Lake Erie Amateur Radio Association 2020
Carsten Lohrmann, KD8WBB, Editor



Bob Heil K9EID

Bob Heil (born October 5, 1940) is an American sound and radio engineer most well known for creating the

template for modern rock sound systems. He founded the company Heil Sound in 1966, which went on to create unique touring sound systems for bands such as The Grateful Dead and The Who. He invented the Heil Talk Box in 1973, which was frequently used by musicians such as Peter Frampton, Joe Walsh and Richie Sambora, and is still in use today.

Heil has been an innovator in the field of amateur radio, manufacturing microphones and satellite dishes for broadcasters and live sound engineers. In the late 1980s Heil Sound became one of the first American companies to create and install Home Theaters, and Heil has lectured at major electronic conventions and taught classes at various institutions.

He has won multiple awards and honors, and in 2007 he was invited to exhibit at the Rock and Roll Hall of Fame here in Cleveland.

LEARA November 24. Meeting
**Virtual Holiday Party,
Raffle & Meeting - Online**

Bob Heil, K9EID

**November 24.
7:30 p.m.**



Click or
scan to join



OFFICERS and TRUSTEES	
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Don Raith	N8DJG (SK)
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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>	

v04/2020-11-16

The Prez Says

by Bryan Torok, N8OOF



The October Meeting topic was a presentation on **Air Band Monitoring** in Greater Cleveland presented by **Doug Dever, AB8M**. I must say, I found there was much more to this than I had previously known. Besides the airplanes, there is traffic from the airport ground control, approach and take off control, and control centers for en route planes. This was a fascinating meeting topic. If you have an old analog scanner, this provides a reason to keep it and put it back in service.

The November Meeting will NOT be our usual Holiday Dinner Meeting. However, it will feature a very special guest speaker, **Bob Heil, K9EID** of **Heil Sound** (heilsound.com and heilhamradio.com). I first heard Bob speak at an ARRL Convention many years ago in Independence, OH. Many of us knew of Bob for making excellent Ham Radio microphones. I had no idea that Bob also has an extensive history of making microphones for the entertainment industry, live music/concerts, recording, broadcast, and podcasting. This promises to be a very interesting presentation.

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. And, plan to join us early so you don't miss out.

Thanks to **Hamfest Association of Cleveland (HAC.org)** for the use of the ZOOM video conferencing. All meetings are planned to be via Zoom through May of 2021.

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.

Election Results: At the November Trustees meeting, we seated two returning Trustees and one newly elected. **Eddie Stevens, KD8FTS** and **Eric Jessen, N8AUC** were the incumbents. We welcome **Jon Anhold, K8MV**, as the newest LEARA Trustee. Jon has already been making large contributions by serving on the technical committee to keep our repeaters on the air and to make improvements.

Andrew Kahn, WA8LIV, declined to run for reelection to the Trustees as he is getting married next year. He was thanked for his service and encouraged to remain an active member and attend Trustee meetings as his time permits.

The LEARA officers will remain the same with the exception of **Robert Wright, II KE8CEO** who is taking over from Andrew as Vice President. Please see page two for the full list of current officers.

Raffle ticket sales for the **Honda EU 2200i generator** close at the November meeting. The winner will be selected and announced during the meeting. When we originally planned the raffle, it was envisioned that the drawing would be done at an in-person meeting with the ticket drawn from a raffle drum. With COVID-19 restrictions on in-person meetings, that obviously can't happen. The details are being worked out, but rest assured the drawing will be conducted in an open and transparent manner. Keep pushing the sales wherever you can. Send your friends, family, and coworkers to <http://leara.org/raffle> to purchase tickets. Every ticket sold gets us closer to moving 444.400 to a better profile site.

Thanksgiving is just around the corner, two days after our virtual meeting. With COVID infections spiking to record levels in Ohio and many hospitals approaching capacity, Governor DeWine has issued new mask wearing orders. The latest research has shown that a major vector for the transmission of the virus is indoor social gatherings such as weddings, funerals, and family

get-togethers where people often let down their guard. I just recently heard of a wedding where 5 of 6 people in the wedding party contracted the virus.

So, please be careful with your holiday plans or perhaps consider postponing them until next year. There is a vaccine that may be in early distribution in December and widely available by late spring or early summer. This vaccine is proving to be 90% effective. Also, now is a good time to get your annual flu shot. We want you to be healthy and around when this COVID thing is over and we can see you in person.

Other Hobbies: One of my other hobbies is building and flying rockets. These aren't just the little Estes rockets of your (or your children's) childhood, but include rockets up to 7 or 8 feet tall. These can fly thousands of feet into the sky.



... continue on page 5



LEARA "On the Air"

Club Net Information by Carl Gedeon, KB8VXE

The **Thursday Club Net** is held 8PM on our 146.760 (or 146.880 backup) MHz (-600 kHz offset, PL 110.9) repeater.

Check-ins for October 2020					
AB8UM	Mike	KD8AJZ	Rich	N8IH	Steven
AC8JR	Andy	KD8FTS	Eddie	N8QMK	Mike
AD8G	Dave	KD8WBB	Carsten	N8UPZ	Bill
K1QCD	Frank	KE8GKO	Jody	N8UUC	Dave
K2WJS	BILL	KE8NNC	Brian	N8XNV	Jeff
K8ADS	Allen	KE8QLR	Michael	W8IE	Ed
K8ARP	Arp	KE8QQA	Dennis	W8IXY	Ted
K8EHP	Mike	KE8QZL	Mike	W8TAB	Tom
K8RJH	Ron	KG8DN	Ken	WA8RZR	Jan
K8SAS	Steve	K8BV	Jon	WA8ZHN	Jim
KB8LKH	Dan	N8AGM	Tom	WB8ROK	Ed
KB8VXE	Carl	N8AHS	Fred		
KC8FQV	Mark	N8AUC	Eric		

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		
11/19/20	Steve	K8SAS
11/26/20	Thanksgiving	
12/03/20	Carl	KB8VXE
12/10/20	Eric	N8AUC
12/17/20	Mike	AB8UM
12/24/20	No Net	
12/31/20	No Net	
01/07/21	Steve	K8SAS
01/14/21	Mike	AB8UM
01/21/21	Carl	KB8VXE
01/28/21	Eric	N8AUC

The Wednesday Night Skywarn Practice Net

Skywarn is currently on Hiatus. Skywarn season runs from March through September. Skywarn nets are held on LEARA's 146.760 repeater every Wednesday at 8 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. Be sure to visit the web page at www.ccskywarn.org for more information and training sessions.

An online Storm Spotter training video from the NWS is available at:

www.facebook.com/NWSCleveland/videos/858879174941020/

ARES

There are no ARES meetings the rest of the year. Nets will resume January 5, 2021. Meetings will resume on January 3, 2021. Please monitor the ARES website at <http://n8esg.org/ares/> and the weekly nets that are held Tuesdays on the 145.410 Repeater at 8PM local time.

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.

NCOs	AB8UM	MIKE	KD8ACQ**	DAVID
	K2WJS*	Bill	KG8DN	KEN
	K8SAS	STEVE	N8AUC	ERIC
	KB8VXE	CARL	W8IE	Ed

*Short time leave **Long term leave

We want to welcome Ed Rivers W8IE to our group of Net Controllers.

We look forward to your participation!

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

Prez cont.

On Saturday, November 7, I attended a rocket launch put on by Skybusters Rocketry and the Northern Ohio Tripoli Rocket Association and held on a field in Amherst, Ohio. I flew the rocket I'm holding in the picture to altitude of about 1400 feet.

Here's a link to a news story done at a launch earlier this year.

<https://www.news5cleveland.com/news/originals/large-and-dangerous-rocketships-are-fun-and-learning-combined-for-enthusiasts>

I plan to have a meeting program about hobby rocketry after we can return to in-person meetings. There are a number of Ham Radio tie-ins with recovery and rocket tracking systems.

Wholesome Entertainment: In this very stressful time of politics, civil unrest, and COVID, we all need a break. Recently, Sara KC8KSU, and I watched a movie, "Ford v Ferrari", which came out in 2019. The thing that struck me is that unlike many recent movies and television programs, there was no politics, no social justice warrior, no civil unrest, no LGBTQ, no switched gender or race roles; just the telling of an interesting chapter in the history of motorsports. And, you don't have to be a motorsports fan to enjoy it, as evidenced by Sara's enjoyment of the movie. We caught it on HBO, but I would guess that it is available on other cable and streaming services. We highly recommend it.

Needing Help Remembering Things: About a year or so ago, a member contacted me with a suggestion on a source for very inexpensive Wi-Fi hotspot service for nonprofit 501(c)(3) organizations. I'd appreciate it if that person would send the info again.

Until next month, stay home, talk on the radio, and use the repeaters more. Join us at a virtual meeting. Avoid close contact with other people, wash your hands frequently, use a mask in public, and stay healthy. We really want to see you when this health crisis is over with and we get back to in-person meetings.

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.

01/10/2021 | [Independence OH 44101](#)

Sponsor: CARS Cuyahoga ARS

Location: To Be Determined

Time: 9:00 AM (No Walk-ins / Call ahead)

[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.

03/07/2021 - [WINTERHAMFEST](#)

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur Radio Society

[Learn More](#)



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>

Scanning ATC frequencies in Greater Cleveland Presentation from 2020-10-27



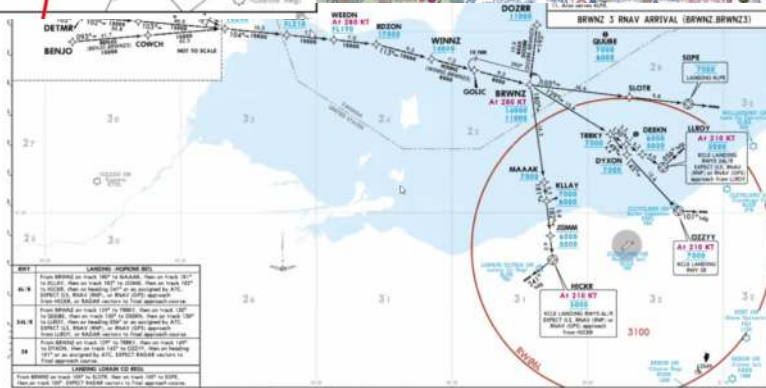
Doug Dever, AB8M



Putting it together

This is where you will hear VFR aircraft transitioning the Bravo airspace:

- GA Aircraft
- News Helicopters
- Metro Lifelight
- Cleveland Clinic Helos
- University Medflight
- VFR traffic that doesn't want to stay below the Bravo in/out of:
 - Lorain County
 - Lost Nation
 - Cuyahoga County
 - Burke Lakefront
 - Medina
- IFR traffic to those regional fields



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

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

Saturday, 14th November 2020, held virtually in
a Zoom Video Conference
(Subject to Revision)

Attendance:

Jeff N8YNR, Robert KE8CEO,
Bryan N8OOF, Eddie KD8FTS, Jon KM8V,
Marv W8AZO, Ted W8IXY, Eric N8AUC,
Steve K8SAS (Departed at 10:30 due to a prior
obligation)

Guests:

Bob W2THU, Andrew WA8LIV,
Carl KB8VXE, Carsten KD8WBB

1. Call to Order

N8OOF Bryan called the meeting to order
promptly at 9:15 a.m.

2. September Minutes

The minutes of the previous meeting were
reviewed and no corrections were offered.

3. Newly Elected Trustees

The first order of business was to seat the
newly elected trustees. Andrew, WA8LIV, did
not run for re-election. The slate of candidates
consisted of KM8V, KD8FTS, and N8AUC (the
latter two being incumbents). Since there was
no contest for the three open spots KM8V was
seated as the newest LEARA trustee. Andrew
WA8LIV was thanked for his time and
encouraged to remain an active member of
the organization and future board meetings.

4. Election of Officers

Jeff, N8YNR made a motion and Marv
seconded, that all currently seated officers
retain the title into 2021 except for that of
Andrew's VP title due to his departure. Eric,
N8AUC subsequently nominated Robert
KE8CEO for the position, and after some arm-
twisting, he accepted. The nomination
approved unanimously.

5. Treasurer's Report

Jeff, N8YNR advised that the current balance
was in a very good state, plus some additional
money in raffle cash.

6. Raffle

Jeff pointed out that since we can't meet in
public we need a new method to fairly draw
a raffle winner. The plan is to put all of the
tickets known to be sold into a spreadsheet
that is freely readable, and use a random
number generator to have an uninterested
party draw the winning ticket.

7. Member status

Marv, W8AZO reported that we have 140
current members.

8. Website

Discussion about improving the website's
layout with respect to meetings and other
topics took place.

9. Technical Report

Discussion about the state of the Fusion
repeater took place. It is currently offline due
to Windows-PC issues.

10. Meetings

The board decided not to pursue any in-person
meetings through May and to re-evaluate in-
person meetings in the spring.

11. Nets

Carl Gedeon reviewed the roster of volunteers
running the LEARA nets and encouraged
involvement. Jon suggested that all members
of the board should be put into the rotation.

11. Adjournment

Jon moved, Eric seconded - Motion to adjourn
at 10:56AM

Respectfully submitted,
Jeff Garvas - N8YNR
Secretary/Treasurer

Sun	Mon	Tue	Wed	Thu	Fri	Sat
15 November	16	17 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	18	19 8 p.m. LEARA VOICE 146.76/R	20	21
22	23	24 7:15 p.m. ARES 80m OSSB 7:30p.m. LEARA <u>Virtual Holiday meeting</u> <u>GENERATOR RAFFLE &</u> <u>Bob Heil</u> 8 p.m. OHDN	25	26 THANKSGIVING 	27 Black Friday Native American Heritage Day	28
29	30	1 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	2 December	3 8 p.m. LEARA VOICE 146.76/R	4	5
6	7	8 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	9	10 8 p.m. LEARA VOICE 146.76/R	11	12
13	14	15 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	16	17 8 p.m. LEARA VOICE 146.76/R	18	19
20	21	22 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	23	24 Christmas Eve	25 Christmas Day	26
27	28	29 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	30	31 New Year's Eve	1 New Year's Day	2
3 January	4	5 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	6	7 8 p.m. LEARA VOICE 146.76/R	8	9
10	11	12 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	13	14 8 p.m. LEARA VOICE 146.76/R	15	16
17	18 MLK Day	19 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	20	21 8 p.m. LEARA VOICE 146.76/R	22	23

WIN THIS HONDA 2200 WATT GENERATOR!

With 12V DC Output!



(valued at \$1050)

**Tickets
\$20**

LAST CHANCE. The drawing will be held **November 24th**. If you haven't already, buy now!

The Lake Erie Amateur Radio Association in Cleveland, Ohio is raffling off a Honda EU2200i generator to raise funds for amateur radio repeater expansion and maintenance costs for equipment used in the region by the Amateur Radio Emergency Service (ARES).

Tickets are \$20 each and can be purchased from any LEARA Trustee, at any LEARA meeting, or can be purchased online via PayPal. For more information, raffle rules, and to purchase tickets see

leara.org/raffle

No more than 500 tickets shall be sold and the drawing will be held so long as fifty-five tickets are sold.



Puzzle 6 (Medium, difficulty rating 0.56)

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

Generated by <http://www.opensky.ca/sudoku> on Tue Jun 23 17:45:43 2020 GMT. Enjoy!

ARRL Petitions FCC for Reconsideration of Order Removing 3.4 GHz Amateur Allocation

11/12/2020

from: <http://www.arrl.org/news/arrl-petitions-fcc-for-reconsideration-of-order-removing-3-4-ghz-amateur-allocation>

ARRL has petitioned the FCC to reconsider its order removing the secondary amateur allocation at 3.3 – 3.5 GHz and requiring that amateur operations in the 3.450 – 3.500 GHz band cease “on a date consistent with the first possible grant of flexible use authorizations to new users.”

“The amateur services in this band long have been operated on a secondary allocation status, functionally similar to the de facto secondary status of Part 5 experimental licenses, whose continued operation was (correctly) approved in the same proceeding,” ARRL told the FCC. “Continued operation of amateur stations similarly should be permitted in the vacant portions of this spectrum that otherwise will go unused.”

ARRL said the public interest is in using the

spectrum, not in leaving it vacant waiting for some future application. “The Commission’s decision in this proceeding undermines its long-standing policy objective to provide for and encourage more intensive use of spectrum,” ARRL said.

“The Commission’s decision to remove the amateur secondary allocation throughout the 3300 – 3500 MHz band,” ARRL said, “appears to be based upon a mistaken conclusion that amateur secondary ‘sharing’ of this spectrum is equivalent to the type of ‘sharing’ that occurs with primary government and other primary commercial users, when in fact amateur secondary operations are quite different in usage, scope and signal range.”

ARRL outlined a number of ways radio amateurs use the band.

ARRL said that weak-signal point-to-point amateur communication often applies new technologies, methodologies, and coding to improve the communications capability of equipment. “Since the purpose of this type of activity is to hear or decode weak signals, operators use every possible means to avoid frequencies with other signals.”...

... read the full article here - click ...

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, CTCSS)
146.88/R-	• Lakewood	(Requires 110.9 Hz tone, CTCSS)
224.90/R-	• Lakewood	(141.3 Hz tone, CTCSS)
444.40/R+	• Macedonia	(Requires 131.8 Hz tone, CTCSS)
444.70/R+	• Lakewood	System Fusion Digital Repeater

INTERNET:

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