



The Spirit of '76 and '88



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



Airband or aircraft band is the name for a group of frequencies in the VHF radio spectrum allocated to radio communication in civil aviation, sometimes also referred to as VHF, or phonetically as "Victor". Different sections of the band are used for radionavigational aids and air traffic control.



ICOM_IC-A200

LEARA October 27. Meeting **Virtual Meeting Online**

Doug Dever, AB8M
Airband Monitoring in Greater Cleveland

**October 27.
7:30 p.m.**



Click or
scan to join

The Prez Says by Bryan Torok, N8OOF



The September Meeting was a more in depth look at Allstar/Echolink presented by **Dave Andrzejewski, AD8G**.

It is absolutely amazing what the melding of Ham Radio and the Internet can accomplish. While I'm sure that the more IT and network savvy find it simple to understand, I'm still trying to wrap my mind around all of it.

The October Meeting will include a presentation on **Air Band Monitoring in**

... 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>	

V03/2020-06-24

Greater Cleveland presented by **Doug Dever, AB8M**. Learn how to listen in on aviation radio traffic. This should make for a fascinating meeting topic.

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

Remember to Vote for the ARRL Director and Vice Director. LEARA has endorsed **Scott Yonally, N8SY**, for ARRL Vice Director. Full information as well as resumes for the Vice Director candidates is in the September newsletter. Resumes for all candidates are included with the ballots. If you are an ARRL member and have not received your ballot, please contact cpereira@arrrl.org.

If you are not an ARRL member, please consider joining. They are our best national representative and very important when it comes to legislation and regulations that affect Amateur Radio. As one example, see the September newsletter for information concerning a new FCC proposal which includes a \$50 fee for Amateur Radio licenses.

Remember to Vote in the November 3, 2020 general election. Your vote is important. I've bit my tongue when it comes to talking about politics in this forum, but I'd be happy to share my point of view with anyone who is interested. Email is the best way for initial contact then we can set a time for a phone conversation if desired.

Raffle ticket sales for the **Honda EU 2200i** generator continue until the November 24, 2020 Holiday meeting. Keep pushing the sales where you can. Send your friends, family, and coworkers to <http://LEARA.org/raffle> to purchase tickets. Every ticket sold gets

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. 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.

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

Prez cont.

us closer to moving 444.400 to a better profile site.

Fall Foxhunts: The Northern Ohio Amateur Radio Society (NOARS) has been holding on-foot fox (hidden transmitter) hunts in west-side and suburban area parks. To get on the list to be notified of future hunts, now or in the spring, contact **Elaine Wilkinson, KC8FOS** at ewilkinson1951@gmail.com.

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.

The other area I need some memory help with concerns foxhunt transmitters. From about 2006 to 2012, LEARA held our annual picnics at the Morgan's Hollow picnic area off of E.49 in Newburg Heights. In conjunction with the picnic we had on-foot foxhunts. I have a vivid memory of the foxes being about 2" square circuit boards powered by a 9-volt battery in plastic baggies that were placed on the ground or hung in tree branches. If anyone knows the source for those fox transmitters, I'd appreciate it they would contact me. I'm aware of Byonics.com and their products. What I'm remembering isn't anything currently on their website.

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.

WIN THIS HONDA 2200 WATT GENERATOR!

With 12V DC Output!



(valued at \$1050)

**Tickets
\$20**

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.

We have entered the most dangerous part of this pandemic.

We are all tired of physical isolation.

-- The virus is not tired.



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 September 2020

AABCL	Carmen	KD8HZV	Frank	LKD8ZJP	Daniel
ABBM	Doug	KD8WBB	Carsten	N8AHS	Fred
AB8UM	Mike	KE8ADV	Tony	N8AUC	Eric
AC8JR	Andy	KE8GKD	Jody	N8LXY	Bill
AD8G	Dave	KE8NV	Dave	N8RKE	Larry
KIQCD	Frank	KE8NNC	Brian	N8UPZ	Bill
K2WJS	BILL	KE8OHX	Scott	N8UUC	Dave
K8EHP	Mike	KE8DLR	Michael	W8DKA	Doug
KB8LKH	Dan	KE8DMF	Kathy	W8IE	Ed
KB8VXE	Carl	KE8DQA	Dennis	W8IXY	Ted
KC8FQV	Mark	KE8PMR	Mark	W8TAB	Tom
KD8AJZ	Rich	KEL8QVD	John	W8BRZR	Jan
KD8AKA	Dave	KG8DN	Ken	W8ZHN	Jim
KD8FTS	Eddie	KM8V	Jon	W8BRDK	Ed

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

For October, November and December, the tentative scheduled NCOs are:

Please check the website for current assignments.

--- click ---

Net Control Schedule			
10/22/20	Carl	KB8VXE	
10/29/20	Eric	N8AUC	
11/05/20	Ken	KG8DN	
11/12/20	Steve	K8SAS	
11/19/20	Mike	AB8UM	
11/26/20	Thanksgiving		
12/03/20	Carl	KB8VXE	
12/10/20	Eric	N8AUC	
12/17/20	Ken	KG8DN	
12/24/20	No Net		
12/31/20	No Net		

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. 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	KD8ACD**	DAVID
	K2WJS*	Bill	KG8DN	KEN
	K8SAS*	STEVE	N8AUC	ERIC
	KB8VXE	CARL	W8LIV**	ANDREW

*Short time leave **Long term leave

We look forward to your participation!

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

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.

11/08/2020 | [Independence OH 44101](#)

Sponsor: CARS Cuyahoga ARS

Location: To Be Determined

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

[Learn More](#)

11/12/2020 | [Cuyahoga Falls OH 44221](#)

Sponsor: Cuyahoga Falls ARC

Location: Blue Parking Garage

Time: 6:30 PM (No Walk-ins / Call ahead)

[Learn More](#)

12/05/2020 | [Kirtland OH 44094-8500](#)

Sponsor: Lake County ARA

Location: Kirtland Library

Time: 12:00 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.

11/01/2020 - [Massillon Hamfest](#)

Location: Green, OH

Type: ARRL Hamfest

Sponsor: Massillon Amateur Radio Club

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

[Learn More](#)

COVID-19 (Coronavirus) Cancellations



David Andrzejewski is maintaining a list that's as comprehensive as possible of ham radio-related events that are canceled due to COVID-19. You can check it out here:

<https://geaugaara.org/coronavirus/>

You are also encouraged to submit new data, so the list keeps getting better; keeping us all up-to-date on all cancellations.

AllStarLink presentation from 2020-09-29

Dave Andrzejewski, AD8G

What is AllStarLink?

- Software platform based on open-source Asterisk PBX.
- Allows connectivity over any IP network – Internet, private, or combination of both.
- Connects to a radio or repeater with a sound card interface.
- Can be used with soft phone app on mobile device or computer.
- Conceptually similar to EchoLink and IRLP in many ways.

Compared

End-User Hardware	AllStarLink	EchoLink	IRLP
DTMF Radio	Yes	Yes	Yes
PC	Yes (1)	Yes (1) (2)	No
Telephone	Yes (1)	Smart Phone (1)(2)	No



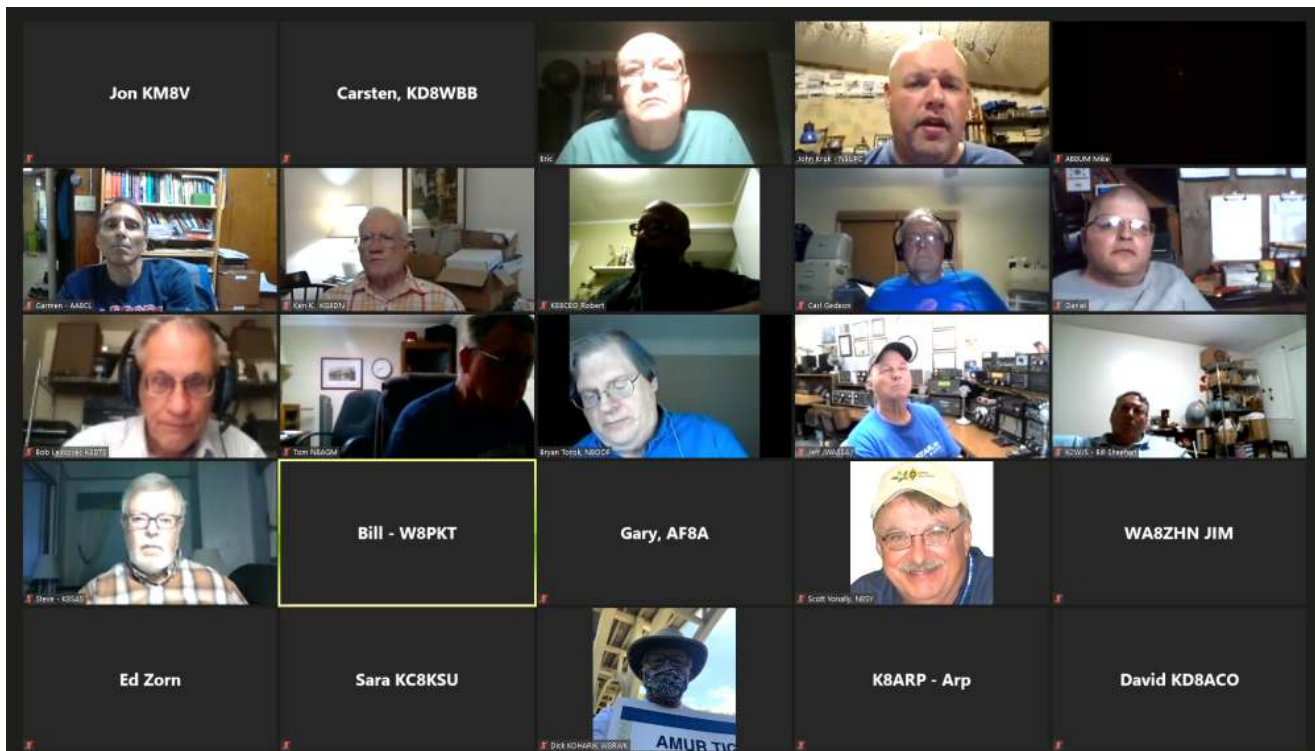
How to Use the System?

- Easiest way is to find an existing repeater (146.88).
 - No registration or setup required, just need to know DTMF commands.
 - *3<node number> = Connect
 - *1<node number> = Disconnect
 - *70 = Play current system status



LEARA Virtual Meetings


Always a lot of fun and knowledge



From our August Yaesu Virtual Meeting



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

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25 October	26	27 7:15 p.m. ARES 80m OSSB 7:30p.m. LEARA Virtual meeting 8 p.m. OHDN	28	29 8 p.m. LEARA VOICE 146.76/R	30 6:00 p.m. Lorain Pumpkin Patrol	31 Halloween 6:00 p.m. Lorain Pumpkin Patrol
1 6:00 p.m. Lorain Pumpkin Patrol	2	3 ELECTION DAY 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	4 November	5 8 p.m. LEARA VOICE 146.76/R	6	7
8	9	10 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	11 VETERANS DAY	12 8 p.m. LEARA VOICE 146.76/R	13	14 9 a.m. Trustees Meeting
15	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 Virtual Holiday meeting GENERATOR RAFFLE & Bob Heil 8 p.m. OHDN	25	26 THANKSGIVING 	27	28

British Columbia Radio Amateur Hears Mars Reconnaissance Orbiter

10/07/2020; from <http://www.arrl.org/news/british-columbia-radio-amateur-hears-mars-reconnaissance-orbiter>

According to a Spaceweather.com report, Scott Tilley, VE7TIL, in British Columbia, Canada, received a signal from the NASA Mars Reconnaissance Orbiter (MRO), flying just 274 kilometers (about 170 miles) above the red planet's surface. The signal was an X-band carrier containing no data or telemetry.

"Its purpose is to allow for Doppler tracking," Tilley explained. "The rapid change in pitch of the signal is caused by the relative motion of the

satellite and the observer." He used a homemade satellite dish to hear the orbiter.

Tilley enjoys tracking down signals from "dead" satellites, zombie satellites, and spy satellites, but the MRO was a first for him. "MRO's signal is weak, but it is one of the louder signals in Mars orbit," he said. "The spacecraft has a large dish antenna it uses as a relay for other Mars missions. With the proximity of Mars these days, it was the perfect time to try."

In 2018, Tilley saw the "signature" of the Imager for Magnetopause-to-Aurora Global Exploration (IMAGE), a NASA spacecraft believed to have died in 2005. That discovery delighted space scientists.



Solar Physicist Predicts a Slightly Better Solar Cycle 25

10/07/2020

from:

<http://www.arrl.org/news/solar-physicist-predicts-a-slightly-better-solar-cycle-25>

Solar physicist Leif Svalgaard of the W.W. Hansen Experimental Physics Laboratory at Stanford University has predicted a maximum sunspot number of 128 ± 10 , slightly better than Solar Cycle 24.

“The overall average is 132 ± 47 (median 124),” he said. “None of these numbers are substantially different, so one could perhaps just go with the ‘wisdom of the crowd.’ All predictions that we consider have the underlying assumption that the sun has not changed its behavior (its ‘spots,’ so to speak) on a time scale of a few centuries (the Maunder Minimum may be a possible violation of that assumption), and that there will be no such changes in the near future, in spite of speculative suggestions.” Those included one of his own in 2013.

Svalgaard characterized the science of solar cycle prediction to be still in its infancy, “borne out by the extreme range of predictions of Cycle 25.” — Thanks to Frank Donovan, W3LPL

Puzzle 5 (Medium, difficulty rating 0.55)

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

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:

- 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.