



The Spirit of '76 and '88



Newsletter of the
February Lake Erie Amateur Radio Association 2024
Carsten Lohrmann, KD8WBB, Editor



LEARA Monthly Meeting

This month, virtual, via Zoom
HamSCI and the Festival of the Eclipse
Gary Mikitin, AF8A
February 27, 6:30 p.m.



Click or scan to join via Zoom



The Prez Says by Bryan Torok, N8OOF



For The January meeting we met via Zoom. Our meeting program covered the different ways one can use Allstar/Echolink, and differences between Allstar and Echolink. Dave Andrzejewski, AD8G, also compared and contrasted with IRLP, which LEARA had on 146.880 several years ago.

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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>	

v08/2022-08-25

IRLP allowed one to link a local repeater to another repeater or network of repeaters. I remember seeing this demonstrated at a LEARA meeting where 146.880 was linked to a repeater in Europe and then one in Australia. The idea of talking DX reliably and with good audio quality while using an HT was very exciting. At the time many hams liked the fact that IRLP forced the operator to use a radio to access the system.

Allstar takes a very different approach. A ham may use a radio to access Allstar and link a local repeater to another repeater or network of repeaters, but that is not the only way into the system. One can access Allstar anywhere there is access to the internet. A ham can use a PC, a tablet, or cell phone along with an app to talk with other hams on a repeater or network of repeaters.

The other way is to set up a simplex node using a computer to connect to the internet, often a Raspberry Pi, and a transceiver. The transceiver can be milliwatts with an HT antenna to cover one house or a higher power mobile with a base antenna to cover a neighborhood. That way one or more hams in an area can use an HT to access Allstar. Of course, if your internet access is via your cell phone, then the node can be mobile anywhere there is cell phone service.

Of course, there is the debate, if one is able to use this system without using radio waves, is this truly ham radio? That debate has been going on for a decade or more. What do you think?

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.

More info is available at:

<https://www.leara.org/2015-02-01-01-00-14/allstar>

<https://www.allstarlink.org/>

Thanks to **Dave Andrzejewski, AD8G**, for putting this system together on 146.880 and also for presenting this program. One idea that is in the talking stage is adding Allstar to other LEARA repeaters, possibly 146.760. This would allow linking the repeaters for greater coverage for special events or emergencies. Let us know what you think.

The February meeting will again be via **Zoom**.

Our guest speaker will be **Gary Mikitin, AF8A**, speaking about **HamSCI and the Festival of the Eclipse**. You will learn about the **HamSCI (Ham Radio Science Citizen Investigation)** organization and how thousands of hams are participating in space science research during the upcoming total solar eclipse. Those of you who were on the January meeting caught a small glimpse of what's in store. If you missed that, now is your chance.

The Zoom link should be active around 7:00 P.M. for social time with the meeting starting at 7:30 P.M followed by the meeting program. Thanks to the **Hamfest Association of Cleveland (HAC.org)** for the use of the Zoom video conferencing.

In Other Media: Recently, I viewed an episode of the program "Nova" on PBS entitled, "Inside China's Tech Boom." The program showed how in the last decades China has grown in science and technology, particularly in the area of computers and cell phones, and contrasted that with the USA. One of the areas they focused on was 5G communications and the Internet-of-Things (IOT). I found this fascinating in that just

a few months ago LEARA had an interesting presentation on IoT at one of our meetings. If you would like to view the program, you can find it for free at:

<https://www.pbs.org/video/inside-chinas-tech-boom-1tqyht/>

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.



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>



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.

January 2024 Checkins - 24					
AB8UM	Mike	KB8VBR	Leone	N8IYA	Steve
AD8G	Dave	KB8VXE	Carl	N8QMK	Mike
AD8KE	Mark	KC8MRC	Bob	N8UPZ	Bill
K2WJS	BILL	KD8FTS	Eddie	W8DKA	Doug
K8SAS	Steve	KD8ICR	Don	W8IE	Ed
KA8JOY	Robert	KE8ZBL	CJ	W8IXY	Ted
KA8WQL	Bob	N8ACP	Chris	W8AWD	Bob
KB8SPV	Rick	N8AHS	Fred	W8ZHN	Jim

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		
	02/22/24	Steve	K8SAS
	02/29/24	Carl	KB8VXE
	03/07/24	Eric	N8AUC
	03/14/24	Mike	AB8UM
	03/21/24	Ed	W8IE
	03/28/24	Steve	K8SAS
	04/04/24	Carl	KB8VXE
	04/11/24	Eric	N8AUC
	04/18/24	Mike	AB8UM
04/25/24	Ed	W8IE	

NCOs	AB8UM	MIKE	K8BV*	Jon
	K8SAS *	STEVE	N8AUC	ERIC
	KB8VXE	CARL	W8IE	Ed
	AD8G	Dave	You Can Be it	

*Short time leave **Long term leave

The Wednesday Night Skywarn Practice Net

The Skywarn season runs from April thru September. 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 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.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25 February	26	27 6:30p.m. LEARA meeting	28	29 8 p.m. LEARA VOICE 146.76/R	1 March	2
3	4	5	6	7 8 p.m. LEARA VOICE 146.76/R	8	9 9 a.m. Trustees Meeting
10 DST Time	11	12	13	14 8 p.m. LEARA VOICE 146.76/R	15	16
17 St. Patricks	18	19	20	21 8 p.m. LEARA VOICE 146.76/R	22	23
24	25	26 6:30p.m. LEARA meeting	27	28 8 p.m. LEARA VOICE 146.76/R	29	30
31	1 April	2	3	4 8 p.m. LEARA VOICE 146.76/R	5	6 East vs. West Marathon

Cuyahoga OEM Activation

The Cuyahoga County Office of Emergency Management has officially activated Cuyahoga County ARES and Event Support Group for the **upcoming total solar eclipse on April 8th, 2024.**

At this time they have requested that **we provide use of the ESG1 Communications vehicle, as well as approximately 10-15 radio operators to be stationed around the county** for situational awareness.

Volunteers should expect to be assigned to a location where an organized public gathering is to take place. This may be a prolonged activation of up to 12 hours depending on traffic.

All volunteers should be prepared to remain at their assigned location for up to 12 hours in the event that roadways become impassable. Be sure to have any food, needed medication, and communications equipment on your person.

Although no emergency is currently occurring, this is considered an emergency activation. **THIS IS NOT A DRILL.** All available operators should respond and assist with this activation if possible. (you do not have to be an ARES member to assist)

Sign Up:

<https://n8esg.org/crm/ mailing/ url/?u=1149&qid=17465>



April 8th, starting 2 p.m.

Upcoming Hamfests and Conventions

from www.arrl.org

03/10/2024 - [WINTERHAMFEST](#)

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio
Amateur Radio Society

Website: <http://winterhamfest@noars.net>

[Learn More](#)

**04/13/2024 - [Cuyahoga Falls
Amateur Radio Club 68th Hamfest](#)**

Location: Cuyahoga Falls, OH

Type: ARRL Hamfest

Sponsor: Cuyahoga Falls
Amateur Radio Club, Inc.

Website: <http://www.w8vpv.org/hamfest>

[Learn More](#)

Volunteer Exam Dates and Locations

from www.arrl.org

03/10/2024 | [Elyria OH 44035-1613](#)

Sponsor: Northern Ohio ARS

Location: Lorain County Community College

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

[Learn More](#)

03/10/2024 | [Independence OH 44131](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

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

[Learn More](#)

03/14/2024 | [Cuyahoga Falls OH 44221](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

Time: 6:30 PM (Walk-ins allowed)

[Learn More](#)

04/06/2024 | [Kirtland OH 44094-8500](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

04/13/2024 | [Cuyahoga Falls OH 44223](#)

Sponsor: Cuyahoga Falls ARC

Location: Emidio & Sons Expo Center

Time: 9:00 AM

(No Walk-ins / Register or Call ahead)

[Learn More](#)

The First Amateur Radio Station on the Moon, JS1YMG, is Now Transmitting

02/02/2024 - from: <http://www.arrl.org/news/the-first-amateur-radio-station-on-the-moon-js1ymg-is-now-transmitting>

The Japan Aerospace Exploration Agency (JAXA) successfully landed their Smart Lander for Investigating Moon (SLIM) on January 19, 2024. Just before touchdown, SLIM released two small lunar surface probes, LEV-1 and LEV-2.

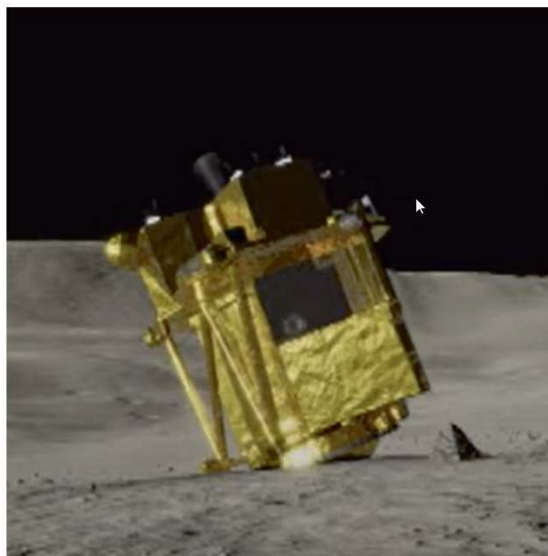
LEV-2 collects data while moving on the lunar surface, and LEV-1 receives the data.

The JAXA Ham Radio Club (JHRC), JQ1ZVI, secured amateur radio license JS1YMG for LEV-1, which has been transmitting Morse code on 437.41 MHz since January 19. The probe uses a 1 W UHF antenna with circular polarization and is transmitting "matters related to amateur business."

Radio amateurs have been busy analyzing JS1YMG's signal, with Daniel Estévez's, EA4GPZ, blog introducing the method and extraction results for demodulating Morse code from the signal, as well as extracting the code string.

It's unclear how long signals will be heard. JAXA has said that SLIM was not designed to survive a lunar night, which lasts about 14 days, and is due to return in a few days.

SLIM was launched on September 6, 2023, and landed on January 19, 2024, with the mission of analyzing the composition of rocks to aid research about the origin of the moon. SLIM's landing made Japan the fifth country to achieve a soft touchdown on the moon. The landing was achieved with exceptional precision -- within 180 feet of its targeted touchdown location.



A rendering of the Smart Lander for Investigating Moon (SLIM) on the lunar surface. [Japan Aerospace Exploration Agency, image]

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.