



# The Spirit of '76 and '88



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

**2020**



## General Electric - Radio-Frequency Bridge TS-196/CPM-4 U.S. Army

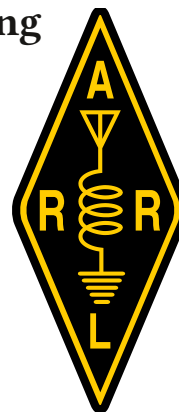
A Radio-Frequency Bridge is a null instrument for use in measuring impedance at frequencies. The low-frequency limit is mainly determined by sensitivity considerations and in most cases measurements can be made with slightly decreased accuracy at frequencies as low as 15 kc.

## LEARA May 26. Meeting

**Virtual Meeting  
Online**

**Scott Yonally, N8SY**  
ARRL Ohio Section  
Manager

May 26. - 7:30 p.m.



## The Prez Says

by Bryan Torok, N8OOF

The April meeting was held via **WebEx**. Attendance was similar to our typical in-person meetings but with the

addition of a few members we rarely see at meetings. **Jeff Garvas, N8YNR**, did the behind the scenes set up and moderated the meeting. I presided over the brief business portion of the meeting before introducing and turning it over to our own **Bob Winston, W2THU**, who gave an excellent presentation on current legal issues facing ham radio.

**The May meeting** will again be held via



... continue on page 2

OFFICERS and TRUSTEES	
<b>Bryan Torok</b> <b>President</b>	<b>N8OOF</b> <b>btorok@sbcglobal.net</b>
<b>Eric Jessen</b> VP, License Trustee	<b>N8AUC</b> <b>440-554-3057</b>
<b>Jeff Garvas</b> Sec'y-Treasurer	<b>N8YNR</b> <b>216-496-3928</b>
TRUSTEES	
<b>Marv Grossman</b> <b>Membership</b>	<b>W8AZO</b> <b>440-248-0031</b>
<b>Andrew Kahn</b> Vice President	<b>W8LIV</b> <b>937-681-1516</b>
<b>Steve Spisak</b> Trustee	<b>K8SAS</b> <b>216-533-7300</b>
<b>Eddie Stevens</b> Venue	<b>KD8FTS</b> <b>440-668-7409</b>
<b>Ted Alexander</b> Trustee	<b>W8IXY</b> <b>amfmtv@aol.com</b>
<b>Robert Wright, II</b> Trustee	<b>KE8CEO</b> <b>216-502-1552</b>
TRUSTEES EMERITI	
<b>Al Amster</b>	<b>W8TTY (SK)</b>
<b>Don Raith</b>	<b>N8DJG (SK)</b>
<b>Fred Collins</b>	<b>W8ADW(SK)</b>
<b>John Radney</b>	<b>KC8FOC(SK)</b>
<b>Pat Shreve</b>	<b>W8GRG (SK)</b>
<b>Al Severson</b>	<b>AB8P (SK)</b>
<b>Dave Foran</b>	<b>WB8APD (SK)</b>
<b>Bob Winston</b>	<b>W2THU</b>
POINTS OF CONTACT	
<b>Carl Gedeon</b> "Sunshine"	<b>KB8VXE</b> <b>440-243-5710</b>
<b>Bryan Torok</b> Radio Officer	<b>N8OOF</b> <b>btorok@sbcglobal.net</b>
<b>Dave Andrzejewski</b> Radio Officer	<b>KD8TWG</b> <b>330-353-9754</b>
NEWSLETTER	
<p><b>The Spirit of '76 &amp; '88</b> 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>	

## Prez cont.

**WebEx.** Procedures will be similar to last month's as published in the April newsletter. Details will be sent to members in advance of the meeting. This month's presentation will be by **Scott Yonally, N8SY**, the **ARRL Ohio Section Manager**. Details are on the front cover.

The **coronavirus/COVID-19** continues to dominate our lives and dictate what is becoming the new-normal. LEARA meetings will continue to be online until further notice. At the May Trustees' meeting **Eddie Stevens, KD8FTS**, reported that he had contacted several of the restaurants we've used in the past to see about getting on their schedule for this fall. None are taking reservations at this time. In fact, Eddie was told at one restaurant that they had laid off their banquet manager so there was no one to talk to about reservations.

The trustees also discussed the possibility of having a picnic, in July or at a later month. Eddie stated that the Metroparks are enforcing social distancing and prohibiting gatherings of more than 10 people. At this time, all Metropark facilities are closed, including rental facilities, through at least September. While many of us wish we could resume in-person meetings, it was also pointed out that many of our members are in one or more of the high risk categories and that many might prefer to be cautious about socializing even after restrictions are formally lifted. When we get closer to actually being able to have a meeting, we will send out a poll to gauge the feelings of our members. One upside to using Webex for meetings is the possibility that we can tap into a wider pool of presenters and topics because the presenters don't have to travel to our location. We may be able to continue that even after we resume in-person meetings.

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](http://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](http://www.leara.org) for details.

## Prez cont.

**LEARA Fundraiser:** Despite our best efforts, sales of tickets for the raffle of a **Honda EU 2200i generator** seemed to have plateaued. However, there is some bright news. **Jeff Garvas, N8YNR**, and **Andrew Kahn, WA8LIV**, have volunteered some funds for a targeted ad campaign on Facebook. The ads are already receiving views and clicks. On another front, LEARA got a steal of a deal to advertise on a major ham radio website. I'm not at liberty to disclose details at this time, but we have high hopes that both of these will translate into ticket sales.

Even with social distancing, you can keep sending your friends and family to <http://leara.org/raffle> to purchase tickets. Don't be shy. Put the bite on your friends, family, and coworkers.



**Big generator raffle!**  
**Want a Honda EU2200i?**  
**Check out page 9!**

**Bylaws Revision:** The Trustees approved the following changes to the Bylaws and Standard Operating Procedures (SOP) (strike-through indicates removed, and underlined indicates added):

### ARTICLE III - ELECTION OF TRUSTEES & VACANCIES

**Section 1.** The President shall, not later than the ~~April meeting of members each year~~ date/time specified in the most current SOP, appoint both a Nomination and Election Committee. ....

## Elections SOP:

### 1. Nomination/Election Committee:

- A. Not later than the ~~April Membership~~ May Trustees' meeting, the President shall (according to the bylaws) appoint a Nomination and an Election Committee. ....

The full Bylaws can be found on [leara.org](http://leara.org). We anticipate reading these to the members during the May meeting and holding a vote during a subsequent meeting.

**Dayton Hamvention alternative?** We all know that the Dayton Hamvention has become another victim of COVID-19 and DARA was forced to cancel the event. Now a group of hams are creating what they billing as the YouTubers Hamfest to be held online all day on Saturday, May 23. Current info can be found at: <https://forums.qrz.com/index.php?threads/hr2-0-youtubers-hamfest-updated-info-and-dates.703913/>

**Until next month**, stay home, talk on the radio, and use the repeaters more. Join us at a virtual meeting. Avoid contact with other people, wash your hands frequently, and stay healthy. We look forward to seeing you when this mess is over with.



## 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.

### Checkins for April 2020

AB8M Doug	KC8FQV Mark	N8AUC Eric
AB8UM Mike	KC8KSU Sarah	N8OOF Bryan
AC8JR Andy	KD8AJZ Rich	N8UPZ Bill
KIQCQ Frank	KD8FTS Eddie	NQ8D Tom
K2WJS Bill	KD8WBB Carsten	W2THU Bob
K8ARP Arp	KE8CEO Robert	W8AMQ Bob
K8EHP Mike	KE8EWG Roger	W8IE Ed
K8RJH Ron	KE8GKO Jody	W8IXY Ted
K8SAS Steve	KE8NSD Jeff	W8TAB Tom
KB8KHW Allen	KG8DN Ken	WA8ZHN Jim
KB8VXE Carl	KM8V Jon	WB8ROK Ed
KB8WJA Leon	N8AHS Fred	WE8BBS Marc

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

### Net Control Schedule

05/21/20	Ken KG8DN
05/28/20	Mike AB8UM
06/04/20	Carl KB8VXE
06/11/20	Eric N8AUC
06/18/20	Ken KG8DN
06/25/20	Bill K2WJS
07/02/20	Mike AB8UM
07/09/20	Carl KB8VXE
07/16/20	Eric N8AUC
07/23/20	Ken KG8DN
07/30/20	Bill K2WJS

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

Please check the website for current assignments.

## The Wednesday Night Skywarn Practice Net

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](http://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/](https://www.facebook.com/NWSCleveland/videos/858879174941020/)

## ARES

The ARES meeting for May has been canceled. The next meeting is scheduled for July 2020; All meetings will be held the first Sunday of each month in the meeting room at the Helwig Whistle Stop 599 West Bagley Rd. Berea, OH. You do not have to be a member to attend, all are welcome.

See <http://n8esg.org/ares/> for more information. The nets are held Tuesdays on the 145.410 Repeater at 8 p.m. 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.

We can always use more LEARA Members to become Net Control Operators (NCOs). It's an easy to learn job that is very important in emergencies.

NCOs

AB8UM MIKE	KD8ACO DAVID
K2WJS Bill	KG8DN KEN
K8SAS STEVE	N8AUC ERIC
KB8VXE CARL	WA8LIV ANDREW

We look forward to your participation!

**Carl, KB8VXE, E-Mail: [kb8vxe@arrl.net](mailto:kb8vxe@arrl.net)**

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## Sunshine

- We are sorry to hear that David Kennett passed away April 15, 2020. An Ohio Bell Retiree, W8KFJ was well versed in Software Defined Radio. You can read about Dave's radio adventures with links to many sources on QRZ. You can also see many videos he made on [Youtube](#).
- We would also like to acknowledge the Passing of Daniel Pickergill, N8PKV. Dan was very active in Ham radio and the setting up of repeaters and the Skywarn Program with NWS.

## Volunteer Exam Dates and Locations

from [www.arrl.org](http://www.arrl.org)



Due to the Coronavirus outbreak, please verify with your VE team that the exam session is being held.

**06/06/2020 | [Kirtland OH 44094-8500](#)**

**Sponsor:** Lake County ARA

**Location:** Kirtland Library

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

[Learn More](#)

**06/21/2020 | [Elyria OH 44035-1343](#)**

**Sponsor:** LCARA & American Red Cross

**Location:** American Red Cross

**Time:** 12:45 PM (No Walk-ins / Call ahead)

[Learn More](#)

## Upcoming Hamfests and Conventions

from [www.arrl.org](http://www.arrl.org)



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

**09/27/2020 - [Cleveland Hamfest](#)**

**Location:** Berea, OH

**Type:** ARRL Hamfest

**Sponsor:** Hamfest Association of Cleveland

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

[Learn More](#)



<http://www.arrl.org/news/planning-your-arrl-field-day-2020-operation>

## 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.

## PUBLIC SERVICE EVENTS

2020 has been quite the year for amateur radio operators who participate in public service events. COVID-19 uncertainties and health department orders have brought group activities to a grinding halt for the foreseeable future. Every few weeks, more and more events decide to cancel or postpone events as it becomes impossible to definitively make any sort of plans regarding the logistics of these events. Most recently, the American Diabetes Association announced that they would be transitioning all 2020 events to virtual only. Below is a partial list of cancelled events that utilize amateur radio in the Cleveland area. A more complete list can be found at <https://geaugaara.org/coronavirus/>

- Cleveland Marathon
- Blossom Time Run
- Sunday in June Bike Ride
- Pan Ohio Hope Ride
- Tour De Cure
- All ARES Meetings (we hope to resume in July, stay tuned)

We expect this list to continue to grow. For updates, stay tuned to the Event Support Group website, [n8esg.org](http://n8esg.org) and make sure you click the link to join the mailing list.

With all the extra free time, we were invited to join Cleveland Fire, Cleveland Police, Metro Health Police, and several local towing, security, and roadside assistance groups in a local “thank you” parade around some area hospitals. A video clip from Fairview Hospital can be found on our facebook page at [facebook.com/n8esg](https://facebook.com/n8esg).

**Mat, KC8NZJ**



## LAKE ERIE AMATEUR RADIO ASSOCIATION TRUSTEES' MEETING MINUTES

Saturday, 9th May 2020, held virtually in a Webex Video Conference  
(Subject to Revision)

**Present:** Bryan N8OOF, Jeff N8YNR, Robert KE8CEO, Steve K8SAS, Eric N8AUC, Eddie KD8FTS, Marv W8AZO, Andrew WA8LIV, Ted W8IXY

**Guests:** Carl KB8VXE, Ron K8RJH, Carsten KD8WBB

### 1. Call to Order

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

### 2. January Minutes

- Eric moved to approve the minutes, Marc seconded. The motion passed unanimously.

### 3. Treasurer's Report

- N8YNR reported our account balance. This balance reflected an in-flux of revenue from raffle ticket sales. Balance does not reflect ~ \$400 paid for insurance. Discussion of possible new sources of advertising to sell raffle tickets. Jeff and Andrew to work on that.

### 4. Membership Chair's Report

- Marv provided an update on Membership: 115 paid current, 34 not renewed.

### 5. Future meetings

- There was discussion relevant to the future of meetings both online and in person and how LEARA will handle meetings moving forward. Meetings to be online until further notice. Will evaluate having a picnic in July or later. We will poll members to see how members feel about in-person meetings when we get closer.

### 6. Meeting Programs

- Eric has several things in progress, doing

online meetings opens up possibility of remote presenters from outside Cleveland area.

### 7. Tech Committee Report:

- Repeaters status quo.

### 8. Old Business

- Lake County input site on hold due to COVID-19 interrupting work on antenna site. Bylaw Amendment to move Nomination and Election Committee appoint deadline to be read at an online meeting. Webex supports online polling so the vote could be held (per the Bylaws) during an online meeting.

### 9. New Business

- No new business

### 10. Adjournment

- At 10:05 a.m., Eric moved and Robert seconded that we adjourn. Passed.

Respectfully submitted,  
Jeff Garvas, N8YNR  
Secretary/Treasurer



Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>17</b> <b>May</b>	<b>18</b>	<b>19</b> 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	<b>20</b> 8:30 p.m. Skywarn Net 146.76/R	<b>21</b> 8 p.m. LEARA VOICE 146.76/R	<b>22</b>	<b>23</b> Youtubers Hamfest <<Link>>
<b>24</b>	<b>25</b>	<b>26</b> 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN 7:30p.m. LEARA Virtual meeting	<b>27</b> 8:30 p.m. Skywarn Net 146.76/R	<b>28</b> 8 p.m. LEARA VOICE 146.76/R	<b>29</b>	<b>30</b>
<b>31</b> <b>June</b>	<b>1</b>	<b>2</b> 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	<b>3</b> 8:30 p.m. Skywarn Net 146.76/R	<b>4</b> 8 p.m. LEARA VOICE 146.76/R	<b>5</b>	<b>6</b>
<b>7</b>	<b>8</b>	<b>9</b> 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	<b>10</b> 8:30 p.m. Skywarn Net 146.76/R	<b>11</b> 8 p.m. LEARA VOICE 146.76/R	<b>12</b>	<b>13</b>
<b>14</b>	<b>15</b>	<b>16</b> 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	<b>17</b> 8:30 p.m. Skywarn Net 146.76/R	<b>18</b> 8 p.m. LEARA VOICE 146.76/R	<b>19</b>	<b>20</b>



## HuskySat-1 (HO-107) Transponder is Open

05/14/2020

from

<http://www.arrl.org/news/huskysat-1-ho-107-transponder-is-open>

The transponder on HuskySat-1, now designated as HuskySat-OSCAR 107 (HO-107), has been activated and is open for use and testing, AMSAT Vice President – Operations Drew Glasbrenner, KO4MA, reports.

“It’s fairly sensitive, and 5 – 10 W is plenty most of the time. There are some fades due to satellite orientation, and some passes are definitely better than others. Strong signals may impact the beacon strength.”

HuskySat-1 is the first CubeSat from the Husky Satellite Lab at the University of Washington and the first mission with AMSAT’s linear transponder module (LTM-1), a V/u transponder and integrated telemetry beacon and command receiver. University researchers recently completed their Part 5 (Experimental) operations and have opened up the amateur radio transponder, which is available for use in educational CubeSat missions that are willing to enable the transponder for worldwide use.

The HuskySat-1 V/u transponder is inverting, with an uplink passband of 145.910 – 145.940 MHz, and a downlink passband of 435.810 – 435.840 MHz. The 1200-baud BPSK telemetry beacon is at 435.800 MHz.



## WIN THIS HONDA 2200 WATT GENERATOR!

With 12V DC Output!



**Tickets  
\$20**



(valued at \$1050)

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](http://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.

## New SSTV Software Now Available

05/07/2020

from:

<http://www.arrl.org/news/new-sstv-software-now-available>

An update of the popular MMSSTV slow-scan television (SSTV) software is now available. Eugenio Fernández, EA1ADA, has introduced YONIQ, which he calls a modern version of MMSSTV. "We are excited to finally be able to offer the entire radio community the revamped MMSSTV with the nickname YONIQ also in English," he said. YONIQ is available in English and Spanish. The software offers several improvements, including an indication of the percentage of image sent and received, improved image reception settings, and a more-modern interface, among other things. Download YONIQ by clicking on the link "Descarga de MMSSTV 1.13 YONIQ" on the [Grupo Radio Galena website](#).

*Additional comment from your Newsletter-Editor:*  
The website, download, installation and initial application start is in Spanish language. Once you installed the software and start it for the first time, go to "Opciones - Configurar MMSSTV - Misc tab - and click on "Inglés" in the lower right corner. After a restart of the application, all will be switched to English language.

## Riddle Section

### Sudoku

Puzzle 2 (Medium, difficulty rating 0.54)

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

## LEARA — The Lake Erie Amateur Radio Association

More than **50 YEARS** of Serving Greater Cleveland Since 1969

### VOICE REPEATERS:

<b>146.76/R-</b>	• Highland Hills	(Requires 110.9 Hz tone, CTCSS)
<b>146.88/R- IRLP</b>	• Lakewood	(Requires 110.9 Hz tone, CTCSS) IRLP Node 4282
<b>224.90/R-</b>	• Lakewood	(141.3 Hz tone, CTCSS)
<b>444.40/R+</b>	• Macedonia	(Requires 131.8 Hz tone, CTCSS)
<b>444.70/R+</b>	• Lakewood	<b>System Fusion</b> Digital Repeater

### INTERNET:

- [www.leara.org](http://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.