



The Spirit of '76 and '88

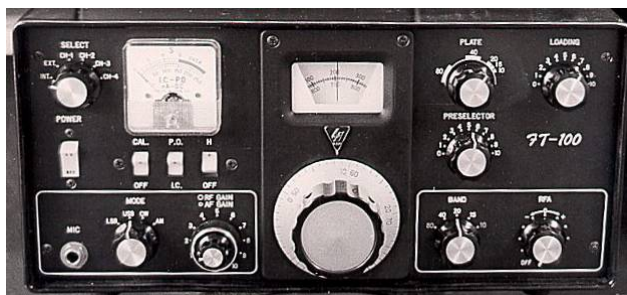


Newsletter of the
August Lake Erie Amateur Radio Association 2020
Carsten Lohrmann, KD8WBB, Editor



Display-Section of a Yaesu FTDX101D

The Yaesu brand is well known among ham radio aficionados and is synonymous with premium quality ham radios. From stationary multi-feature communications equipment to portable devices, YAESU has consistently represented the best in communications equipment to the world's top DX'ers for over half a century.



Very early Yaesu FT-100 Transceiver; ~1966

LEARA August 25. Meeting

Virtual Meeting Online



John Kruk, N9UPC
National Sales Manager
Amateur Division
Yaesu, USA

August 25.
7:30 p.m.



Click or
scan to join

The Prez Says

by Bryan Torok, N8OOF

The July Meeting was held via Zoom with a presentation on APRS by our own **Dave Andrzejewski, AD8G**. Dave started out with an overview of Allstar and Echolink before getting into his main presentation on APRS. I must admit I had some limited familiarity with APRS from public service where it was used so that net control



... continue on page 2

Prez cont.

OFFICERS and TRUSTEES	
Bryan Torok President	N8OOF btorok@sbcglobal.net
Eric Jessen VP, License Trustee	N8AUC 440-554-3057
Jeff Garvas Sec'y-Treasurer	N8YNR 216-496-3928
TRUSTEES	
Marv Grossman Membership	W8AZO 440-248-0031
Andrew Kahn Vice President	WA8LIV 937-681-1516
Steve Spisak Trustee	K8SAS 216-533-7300
Eddie Stevens Venue	KD8FTS 440-668-7409
Ted Alexander Trustee	W8IXY amfmvtv@aol.com
Robert Wright, II Trustee	KE8CEO 216-502-1552
TRUSTEES EMERITI	
Al Amster	W8TTY (SK)
Don Raith	N8DJG (SK)
Fred Collins	W8ADW(SK)
John Radney	KC8FOC(SK)
Pat Shreve	W8GRG (SK)
Al Severson	AB8P (SK)
Dave Foran	WB8APD (SK)
Bob Winston	W2THU
POINTS OF CONTACT	
Carl Gedeon "Sunshine"	KB8VXE 440-243-5710
Bryan Torok Radio Officer	N8OOF btorok@sbcglobal.net
Dave Andrzejewski Radio Officer	AD8G 330-353-9754
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

could keep track of the location of various volunteers. But Dave's presentation went much further than that. We plan to post video of the meeting presentations in the future.

Bylaws Revision: Also, during the July Meeting, a vote was held concerning a proposed Bylaws modification. The proposal was to modify Article III, Section 1, to move the date on which the president of LEARA is required to appoint the Nomination and Election Committee chairpersons from the April Membership Meeting to a date/time specified in the current Elections Standard Operating Procedure (SOP). The current SOP would then specify that the appointments be made at the May Trustees' meeting. The measure passed by a vote of 23 to 1.

The August Meeting will be a presentation by **John Kruk, N9UPC**, National Sales Manager Amateur Division - **Yaesu USA**. This an example of one of the advantages of having online meetings in that it opens up our ability to have guest speakers from outside of our area that we otherwise could not get. The link will be sent via email to members and may also be found on LEARA.org on the Monday and Tuesday prior to the meeting.

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

Allstar/Echolink is now active on the 146.880 repeater. LEARA had IRLP on the 146.880 repeater but due to the repeater controller having to be sent back to the manufacturer for repair and firmware updating it was shut off. While we were waiting for our controller to come back, **Bill Hess, K8SGX**, graciously loaned LEARA a spare controller. Unfortunately, Bill's controller was not configured for IRLP and as the controller was not ours,

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.

we didn't want to reprogram it.

After getting the repaired LEARA controller back, the Technical Committee thought that IRLP had declined in popularity and proposed replacing it with Allstar/Echolink. **Dave Andrzejewski, AD8G**, offered to donate the required equipment to connect 146.880 to Allstar/Echolink and the Trustees accepted. We'll be watching to see how this is received and used by the members.

Raffle ticket sales for the Honda EU 2200i generator will continue until the November 24, 2020 Holiday meeting. We have sold more than 155 tickets. Keep pushing the sales where you can. Send your friends, family, and coworkers to <http://leara.org/raffle> to purchase tickets. We



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

have had ticket sales and inquiries from as far away as Colorado.

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, use a mask in public, and stay healthy. We look forward to seeing you when this health crisis is over with.

We have entered the most dangerous part of this pandemic.

We are all tired of physical isolation.

-- The virus is not tired.

LEARA 444.700

System Fusion Repeater

Our "dot seven repeater" operates on an output frequency of 444.700 MHz with an input frequency of 449.700 MHz (+5.000 MHz). The repeater is located in Lakewood, Ohio.

The Fusion repeater is ONLINE in hybrid analog and digital mode, and available for us with Wires-X functionality.

Please use the repeater!

This repeater is a Yaesu System Fusion digital repeater operating in C4FM digital full time. Analog transmissions are not available. A C4FM capable radio is required to use this repeater. No tone, digital squelch, or digital code options are required to operate.

C4FM is capable of using the full 12.5 kHz bandwidth for:

- Voice/Data simultaneous communication mode (audio communications with error correction).
- Voice Full Rate Mode (high quality voice communications).
- High Speed Data Communication Mode (transmissions of images and data).

For more information about System Fusion technology, FAQ, forums, customer support, and available radio products, head over to the [Yaesu System Fusion website](http://www.yaesu.com/systemfusion).



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 August 2020

AB8M Doug	KC8NZJ Mat	N8AGM Tom
AB8UM Mike	KD8AJZ Rich	N8AHS Fred
AC8JR Andy	KD8FTS Eddie	N8AUC Eric
AD8G Dave	KD8WBB Carsten	N8LXY Bill
K1QCD Frank	KD8YDG Bill	N8OOF Bryan
K2WJS BILL	KE8CED Robert	N8UPZ Bill
K6RNT Greg	KE8MQV Tony	W8IE Ed
K8EHP Mike	KE8DLR Michael	W8IXY Ted
K8RJH Ron	KE8DQA Dennis	W8PKT William
K8SAS Steve	KG8DN Ken	W8TAB Tom
KB8VXE Carl	KI7QBE Peter	WA8ZHN Jim
KC8FQV Mark	KK8ZZ Bob	WB8ROK Ed
KC8KSU Sarah	KM8V Jon	WD8AEK Frank

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

Net Control Schedule

For August, September and October, the tentative scheduled NCOs are:

Please check the website for current assignments.

--- click ---

08/13/20	Carl	KB8VXE
08/20/20	Steve	K8SAS
08/27/20	Mike	AB8UM
09/03/20	Eric	N8AUC
09/10/20	Ken	KG8DN
09/17/20	Steve	K8SAS
09/24/20	Mike	AB8UM
10/01/20	Carl	KB8VXE
10/08/20	Eric	N8AUC
10/15/20	Ken	KG8DN
10/22/20	Steve	K8SAS
10/29/20	Mike	AB8UM

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 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	KD8ACO**	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

Sunshine:

• We want to offer Fritz Hemrich, K8WLF our prayers for a miracle. He entered into Hospice last week.

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.

09/10/2020 | [Cuyahoga Falls OH 44221](#)

Sponsor: Cuyahoga Falls ARC

Location: Blue Parking Garage

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

[Learn More](#)

09/13/2020 | [Independence OH 44131](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

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

[Learn More](#)

09/20/2020 | [Elyria OH 44035](#)

Sponsor: LCARA & American Red Cross

Location: American Red Cross

Time: 12:45 PM (Walk-ins allowed)

[Learn More](#)

10/03/2020 | [Kirtland OH 44094](#)

Sponsor: Lake County ARA

Location: Chapin Forest Quarry Shelter.

First shelter on the right.

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.

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

Location: Berea, OH

Type: ARRL Hamfest

Sponsor: Hamfest Association of Cleveland

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

[Learn More](#)

CANCELED



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.

Arecibo Observatory Reflector Dish Damaged after Cable Snaps

08/12/2020

from

<http://www.arrl.org/news/arecibo-observatory-reflector-dish-damaged-after-cable-snaps>

An auxiliary cable that helps to support a metal platform above the Arecibo Observatory radio telescope's reflector dish in Puerto Rico snapped in the early morning hours of August 10, causing a 100-foot gash in the reflector dish. Operations at the world-famous observatory, managed by the University of Central Florida (UCF) have been halted until repairs can be made. When the 3-inch cable fell, it also damaged about a half-dozen panels in the Gregorian Dome above the dish and twisted the platform used to access the dome. The cause of the cable break is not yet clear.

"We have a team of experts assessing the situation," observatory director Francisco Cordova said. "Our focus is assuring the safety of our staff, protecting the facilities and equipment, and restoring the facility to full operations as soon as possible, so it can continue to assist scientists around the world."

UCF manages the National Science Foundation (NSF) facility under a cooperative agreement with Universidad Ana G. Méndez and Yang Enterprises Inc. Home to one of the most powerful telescopes on the planet, the facility is used by scientists around the world to conduct research in the areas of

atmospheric sciences, planetary sciences, radio astronomy, and radar astronomy. Arecibo is also home to a team that runs the Planetary Radar Project supported by NASA's Near-Earth Object Observations Program in NASA's Planetary Defense Coordination Office, through a grant awarded to UCF.

The facility has endured many hurricanes, tropical storms, and earthquakes since it was built 50 years ago. Repairs from Hurricane Maria in 2017 are ongoing. Through it all, the facility has continued to contribute to significant breakthroughs in space research in the area of gravitational waves, asteroid characterization, planetary exploration, and more.

The largest single-dish radio telescope in the world for decades, Arecibo was bumped into second place in 2016 by the Five hundred-meter Aperture Spherical Telescope (FAST) in China.

The Arecibo Observatory Radio Club operates KP4AO at the site, mostly on special occasions.
— Thanks to UCF and other sources





Outpost Tower with Radio Antennas, Australia

Sun	Mon	Tue	Wed	Thu	Fri	Sat
23 August	24	25 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN 7:30p.m. LEARA Virtual meeting	26 8:30 p.m. Skywarn Net 146.76/R	27 8 p.m. LEARA VOICE 146.76/R	28	29
30	31	1 September 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	2 8:30 p.m. Skywarn Net 146.76/R	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 8:30 p.m. Skywarn Net 146.76/R	10 8 p.m. LEARA VOICE 146.76/R	11	12 9 a.m. Trustee Meeting
13	14	15 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	16 8:30 p.m. Skywarn Net 146.76/R	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 8:30 p.m. Skywarn Net 146.76/R	24 8 p.m. LEARA VOICE 146.76/R	25	26 9:30 a.m. AFSP Out of the Darkness Walk

Allstar on 146.88!

We are now having AllstarLink available on the 146.88 repeater.



You can visit <https://allstarlink.org> for general information, but it's a method of linking re-peaters and simplex nodes together. You can even build your own simplex node and link it in. You can link our repeater to any other Allstar node - like IRLP. This will give us Echolink, and we now have an official Broadcastify feed for 88 so you can listen on your favorite smart phone app or web browser.

For more informations, see our website:

<https://www.leara.org/repeaters/allstar>

73 –

Dave/AD8G

LEARA Radio Officer



WIN THIS HONDA 2200 WATT GENERATOR!

With 12V DC Output!



(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

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

FCC Fines HobbyKing Nearly \$3 Million for Marketing Unauthorized Drone Transmitters

07/27/2020

from:

<http://www.arrl.org/news/fcc-fines-hobbyking-nearly-3-million-for-marketing-unauthorized-drone-transmitters>

The FCC has issued a Forfeiture Order (FO) calling for HobbyKing to pay a fine of \$2,861,128 for marketing drone transmitters that do not comply with FCC rules. An FCC Enforcement Bureau investigation stemmed in part from a 2017 ARRL complaint that HobbyKing was selling drone transmitters that operated on amateur and non-amateur frequencies, in some instances marketing them as amateur radio equipment. The fine affirms the monetary penalty sought in a June 2018 FCC Notice of Apparent Liability (NAL). The FCC said its investigation found that dozens of devices marketed by the company transmitted in unauthorized radio frequency bands and, in some cases, operated at excessive power levels. "Such unlawful transmissions could interfere with key

government and public safety services, like aviation systems," the FCC said.

...

HobbyKing has 30 days to pay the fine. If it fails to do so, the matter will be referred to the Department of Justice for collection.

--- Read more - click ---

Puzzle 3 (Medium, difficulty rating 0.50)

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

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.