



The Spirit of '76 and '88



August

Newsletter of the Lake Erie Amateur Radio Association

2018

Ken Kane, KG8DN, Editor

FLASH: How to Earn 100 Points at Field Day...or just have fun...using **Solar Power - by Eric, N8AUC**



**Play Arcade and Kitchen
5900 Mayfield Road, Mayfield Heights**

The August 28, 2018 LEARA meeting will be at the Play Arcade & Kitchen, located at [5900 Mayfield Road](http://www.playmayfield.com/kitchen) in Mayfield Heights, Ohio 44124. As usual, dinner will begin at 6:30 pm followed by the club meeting.

Attendees can order off of the menu, so there is no set price for the dinner, but **advance reservations are required**. This month, all we will need is a **head count** for those attending.

Reservations may be made on the club website at <http://www.leara.org>, or by calling Marv Grossman (W8AZO) at 440-248-0031. The menu is available online at <http://www.playmayfield.com/kitchen>.

Please let us know if you have any special dietary needs or concerns.
Reservations must be submitted by 6:00 PM Sunday Evening, August 26th..



As he prepared to help two clubs at Field Day out in Lorain County, **Eric Jessen, N8AUC**, made some interesting discoveries — he built a **solar radio station** to supply round-the-clock power at a relatively modest cost.

Eric will share his secrets with you at Play Arcade and Kitchen's "Upper Room" on Tuesday, August 28th. **Perhaps solar power radio is coming into its own at last...** Brush up your vocabulary: "voltage parameters," "charge controller," "optimum current." **Watch the numbers change** as the sun comes up.. (You get the idea...)

**LEARA Board
Elections in October!**

**Nominations CLOSE
at the August 28th
Club Meeting!**

OFFICERS and TRUSTEES

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Don Raith N8DJG (SK)
Fred Collins W8ADW(SK)
John Radney KC8FOC(SK)
Pat Shreve W8GRG (SK)
Al Severson AB8P (SK)
Dave Foran WB8APD
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NEWSLETTER

The Spirit of '76 & '88
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.

Editor:

Ken Kane, KG8DN
E-mail: editor@leara.org

*Proofreading: TNX to
W8AZO, N8YNR, K8JTK*

First thing this month is a **mea culpa**. When I was crediting the folks who contributed to Field Day last month, I failed to mention **Joel Chaney, K8SHB**, who brought out his radio trailer and generator and set them up for the event. Joel also contributed by hauling supplies in the trailer and packing home many leftover supplies.

July's Meeting was the picnic meeting held at our usual spot in the Brecksville reservation. The food was catered by Mr. Mike's and mostly received positive comments. A few folks thought the fried chicken was a welcome addition while others found it to be lack-luster. My observation is that fried chicken is a dish that is best enjoyed freshly prepared and that perhaps for next year we might consider boneless-skinless chicken breasts. What do you think?

Even without cooking, we still needed several volunteers get to the site early to secure the location, bring and lug the large coolers, ice, beverages, and accoutrements. For that we need to thank **Marv W8AZO, Andrew WA8LIV, Carl KB8VXE**, and again **Joel K8SHB**, as well as those members who brought items to share and those who later helped with clean-up. **Joel** also brought the giant-sized Jenga game shown in the pictures and enjoyed by many attendees.

The picnic almost didn't happen, or least we might have had to make a last minute change of the location. We received word the night before the picnic that the location had been reserved. Even though the Harriett Keeler Picnic Pavilion is not reserve-able by the public, the MetroParks can reserve it for their own use. The MetroParks had posted signs stating that the pavilion was reserved for a children's activity connected with the Nature Center. Thanks to Marv's power of persuasion and the fact that the Nature Center didn't need the whole facility, the park folks generously shared the pavilion with us.

This month's meeting will be at **Play Arcade and Kitchen** in Mayfield Heights. This has been a popular meeting place for the location, the venue, and because we order off the menu. Reservations are required. See the details on the first page.

The Prez Says by Bryan Torok, N8OOF



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**. In the next few coming months, meetings are planned at the Maple Heights branch of the Cuyahoga County Public Library, 5225 Library Lane. Contact a trustee or check the website at www.leara.org for details.

(continued from page two)

**Prez
cont.****WWV and WWVH May Shut Down in 2019**

Per the ARRL, "The National Institute of Standards and Technology (NIST) FY 2019 budget request includes shutting down "NIST radio stations in Colorado and Hawaii" — in other words, WWV and WWVH." See the entire article on page eight. Of course this will affect Hams and SWLs. But, I see an effect on a much bigger segment of the population, and one to which I also belong.

I have a small collection of wrist watches. These range from Chinese look-alikes to Swiss look-alikes. However, my favorite everyday-wear watch is a Casio with titanium band. The watch is solar powered so I never have to think about winding it or replacing batteries. And, it is set daily by the radio signal from WWV, so it always has accurate time down to a few tenths of a second. Oh, in the dark the face illuminates with the flip of my wrist, no buttons need to be pressed. While working, I probably consult this watch 10 to 20 times per shift. If WWV goes away, I'll definitely be sad about it. If you care this about like I do, contact the ARRL and let them know they need to fight for WWV and WWVH.

Until next month, talk on the radio, and use the repeaters. Come out and see us at a meeting. We look forward to seeing you.

Bryan Torok, N8OOF

Sun	Mon	Tue	Wed	Thu	Fri	Sat
19 7am Rock Hall Half Marathon Sign Up 2pm ARES® at NWS	20	21 OSSB 8 pm OHDN	22 8:30 pm Skywarn Net 146.76/R then Practice S'plx	23 8 pm LEARA VOICE '76 9 pm LEARA DIGITAL	24	25
26 8am Belle-faire Biathlon Sign Up	27	28 LEARA Dinner Meeting 6:30 pm	29 8:30 pm Skywarn Net 146.76/R then Practice S'plx	30 8 pm LEARA VOICE '76 9 pm LEARA DIGITAL	31	1
2 Sign Up	3	4 ARES® 80m 7:15 pm OSSB 8 pm OHDN	5 8:30 pm Skywarn Net 146.76/R then Practice S'plx	6 8 pm LEARA VOICE '76 9 pm LEARA DIGITAL	7	8
The Great Geauga County Fair...					August	
9 8am River Run, Berea N8AUC	10	11 ARES® 80m 7:15 pm OSSB 8 pm OHDN	12 8:30 pm Skywarn Net 146.76/R then Practice S'plx	13 8 pm LEARA VOICE '76 9 pm LEARA DIGITAL	14 8am Hopkins Airport Drill Register	15
16 2pm ARES® at Cuyahoga County EOC	17	18 ARES® 80m 7:15 pm OSSB 8 pm OHDN	19 8:30 pm Skywarn Net 146.76/R then Practice S'plx	20 8 pm LEARA VOICE '76 9 pm LEARA DIGITAL	21	22
23 8am Cleveland Hamfest Ride for Miles was <u>cancelled</u>	24	25 LEARA Dinner Meeting 6:30 pm at Mahle's	26 8am Belle-faire Biathlon Register 8:30 pm Skywarn Net 146.76/R then Practice S'plx	27 8 pm LEARA VOICE '76 9 pm LEARA DIGITAL	28	29
30						

September



LEARA "On The Air"
Club Net Information
by Carl Gedeon, KB8VXE

August 2018
Newsletter Net Report

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 the month of July

Checkins for July 2018					
AA2IT/8	JOE	K8ZMM	Zachari	KG8DN	Ken
AC8AJR	Andy	KB8VXE	Carl	N8AGM	Tom
K2WJS	Bill	KC8FQV	Mark	N8JIW	Don
K8ARP	Arp	KD8ACO	David	N8OOF	Bryan
K8CVM	Chuck	KD8BWG	Eric	N8UPZ	Bill
K8EHP	Mike	KD8FTS	Eddie	W8IE	Ed
K8JTK	Jeff	KD8TWG	Dave	W8IXY	Ed
K8RJH	Ron	KE8CED	Robert	WA8LIV	Andrew
K8SAS	Steve	KE8GKO	Jodi	WB8ROK	Ed

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

For September and October, the tentative scheduled NCOs are:

Net Control Schedule		
08/23/18	Jeff	K8JTK
08/30/18	Ken	KG8DN
09/06/18	Steve	K8SAS
09/13/18	David	KD8ACO
09/20/18	Andrew	WA8LIV
09/27/18	Carl	KB8VXE
10/04/18	Eric	N8AUC
10/11/18	Ken	KG8DN
10/18/18	Steve	K8SAS
10/25/18	David	KD8ACO

The Digital Communications Net is held every Thursday on LEARA's 146.880 (-600 kHz offset, PL 110.9) repeater at 9PM.

The Wednesday Skywarn Practice Net

Skywarn season runs from March through September. Skywarn practice nets are held on LEARA's 146.760 repeater Wednesday evenings at 8:30PM. A simplex net follows on 146.475.

Should the National Weather Service issue a severe weather alert, a Skywarn net will be started 146.760 repeater. Be sure to visit the web page at www.ccskywarn.org for more information and training sessions.

Thursday Net NCOs

K8SAS	STEVE	KG8DN	KEN
KB8VXE	CARL	N8AUC	ERIC
KD8ACO	DAVID	WA8LIV	ANDREW

Do you know K2??? How about ??UPZ? Do you recognize the voice. Have you met them in person? What about N8OOF? Every one of us has a unique voice. A great way to learn who these voices belong to is to be a net controller! Not only do you learn their voice but when you see them face to face at a meeting you remember the "whole" person. Consider being a net controller.

We can always use more LEARA Members to become Net Control Operators (NCOs). It's not that difficult to do. It's a GREAT way to learn the voices and call signs of the members of the club as well as the visitors of the ham community. Why not give the NCO slot a try? It's an easy to learn job that is very important in emergencies. Your help is really needed!

We look forward to your participation!

Carl, KB8VXE, email: kb8vxe@arrl.net

The next ARES meeting is 2PM Sunday, September 16, 2018.

See website for more information...
 ...go to www.ccares.us.

Sunshine report

(No new additions)

Upcoming Hamfests and Conventions

from www.arrl.org

08/26/2018 | [Chautauqua AR Service Hamfest](#)

Location: Lakewood, NY

Type: ARRL Hamfest

Sponsor: Chautauqua Amateur Radio Service

Website: <http://www.chautauqua-ars.org>

[Learn More](#)

09/01/2018 | [Pennsylvania State Convention \(Uniontown Gabfest\)](#)

Location: Uniontown, PA

Type: ARRL Convention

Sponsor: Uniontown Amateur Radio Club

Website: <http://www.w3pie.org>

[Learn More](#)

09/09/2018 | [Butler County ARA Swapfest](#)

Location: Butler, PA

Type: ARRL Hamfest

Sponsor: Butler County Amateur Radio Association

Website: <http://w3udx.org>

[Learn More](#)

09/09/2018 | [Findlay Hamfest](#)

Location: Findlay, OH

Type: ARRL Hamfest

Sponsor: Findlay Radio Club

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

[Learn More](#)

09/22/2018 | [2018 Bloomington Indiana Hamfest](#)

Location: Bloomington, IN

Type: ARRL Hamfest

Sponsor: Bloomington Amateur Radio Club

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

[Learn More](#)

09/22/2018 | [OH-KY-IN ARS Hamfest](#)

Location: Cincinnati, OH

Type: ARRL Hamfest

Sponsor: OH-KY-IN Amateur Radio Society

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

[Learn More](#)

09/23/2018 | [Cleveland Hamfest and Computer Show](#)

Location: Berea, OH

Type: ARRL Hamfest

Sponsor: Hamfest Association of Cleveland

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

[Learn More](#)

Volunteer Exam Dates and Locations

from www.arrl.org

08/19/2018 | [Elyria OH 44035-1343](#)

Sponsor: American Red Cross

Location: American Red Cross

Time: 12:50 PM (Walk-ins allowed)

[Learn More](#)

09/01/2018 | [Rittman OH 44270-1431](#)

Sponsor: Silvercreek ARA

Location: Rittman Public Library

Time: 9:45 AM (Walk-ins allowed)

[Learn More](#)

09/09/2018 | [Independence OH 44131-4841](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

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

[Learn More](#)

09/16/2018 | [Elyria OH 44035-1343](#)

Sponsor: American Red Cross

Location: American Red Cross

Time: 12:50 PM (Walk-ins allowed)

[Learn More](#)

09/19/2018 | [Stow OH 44224-4097](#)

Location: Stow-Munroe Falls Public Library

Time: 7:00 PM (Walk-ins allowed)

[Learn More](#)

10/06/2018 | [Kirtland OH 44094-8500](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

10/06/2018 | [Ravenna OH 44266-2191](#)

Sponsor: Portage County ARS Inc.

Location: PCARS Club Site (Rear of complex, under BIG tower)

Time: 10:00 AM (Walk-ins allowed)

[Learn More](#)

10/11/2018 | [Cuyahoga Falls OH 44221-3205](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

Time: 7:00 PM (Walk-ins allowed)

[Learn More](#)



**July 31, 2018
Annual LEARA Picnic**





**July 31, 2018
Annual LEARA Picnic
Harriet Keeler Pavilion
in
Brecksville Reservation**



Click for Jenga Video Here:
<https://vimeo.com/282765542>

NIST FY 2019 Budget Would Eliminate WWV and WWVH

from www.arrl.org

08/11/2018

The **National Institute of Standards and Technology (NIST)** FY 2019 budget request includes shutting down “NIST radio stations in Colorado and Hawaii” — in other words, WWV and WWVH. Radio amateurs, HF listeners, and others around the world routinely make use of the time and frequency standard signals, which also include propagation information. NIST said eliminating funding currently “supporting fundamental measurement dissemination” would include putting WWV and WWVH off the air for a saving of \$6.3 million.

The NIST FY 2019 budget request for efforts related to **Fundamental Measurement, Quantum Science and Measurement Dissemination is \$127 million**, which, the agency said, is a net decrease of \$49 million from FY 2018 levels. The Administration's overall NIST budget request is more than \$629 million.

“The proposed reductions will allow NIST to consolidate and focus on narrower core [fundamental] measurement programs while meeting budget levels,” the agency said in its FY 2019 **budget summary**. “NIST will focus on basic research while reducing funding for efforts applying some of its breakthroughs into new measurement applications.

The FY 2019 proposed budget cuts developed earlier this year came to light via Tom Witherspoon, K4SWL, who maintains [The SWLing Post](#) website, after a number of viewers called it to his attention. He posted an **article** on his blog.

“I’ve always considered WWV and WWVH to be the heartbeat of the shortwaves here in North America — a constant, timely companion and brilliant gauge of HF propagation,” Witherspoon wrote. I assumed both stations would be some of the last to go silent on the shortwaves.”

NIST said **other “illustrative” cuts** in the FY 2019 budget include:

\$3.5 million for Lab to Market, which seeks to accelerate technology transfer from federal laboratories

\$6.6 million in environmental measurements projects across NIST laboratories, including work measuring the impact of aerosols on pollution and climate change, and gas reference materials used by industry to reduce costs of complying with regulations

\$5.8 million eliminating the NIST Greenhouse Gas (GHG) Measurements program, including Urban Dome research grants to advance the direct measurement of GHG emissions on the scale of cities or regions.

\$6.7 million in forensic science, reducing the program size to \$7.3 million by prioritizing measurement science in the NIST labs and eliminating program management functions and external grants for the Organization of Scientific Area Committees for Forensic Science and the Forensic Science Center of Excellence

\$4.1 million in R&D targeting application of NIST quantum breakthroughs to applied measurement needs, including temperature and atmospheric gas metrology.

“**I find this budget request very disappointing,**” Witherspoon said with respect to the proposed elimination of WWV and WWVH. “Let’s hope, somehow, this does not come to fruition.” He said **The SWLing Post** would be tracking and posting any new developments.



Atlanta Science Expo and HamJam, 2014 - 2018

Excerpts from www.arrl.org



On Saturday, **March 29, 2014**, the Georgia Section of ARRL hosted a booth at the Atlanta Science Festival Exploration Expo, the grand finale of a weeklong celebration of STEM (Science, Technology, Electronics, and Math) activities. Over one hundred booths filled Hall 3 of the Georgia World Congress Center in downtown Atlanta and featured nearly every type of STEM activity available. Among the disease detectives, oobleck slime, math-modeling bubble makers, and insect devouring "killer" plant botanists, Amateur Radio was there to generate interest for our STEM-rich activity.

An estimated 16,000 visitors attended the Expo, which had been moved indoors from Centennial Olympic Park due to the inclement weather. ...

**For more on this earlier story,
go to the following site...**

<http://www.arrl.org/amateur-radio-creates-buzz-at-atlanta-science-expo>

**for more information on
HamJam 2018 on November 10th
please visit
<http://www.hamjam.info>**

**"Amateur Radio was there to
generate interest for our
STEM-rich activity."**

Ham Radio at Arizona Science Center

from www.arrl.org

The center of **ham radio** at **Arizona Science Center** is **W7ASC**. It is located within an exhibit gallery called "My Digital World." A mix of live equipment and visual media draws in visitors. There they can either interact with the operators, or just peruse the displays. The static displays and video screen allow visitors to learn about Amateur Radio in the absence of a live operator.

[Read More](#) about how local hams share the traditional and the contemporary of ham radio with

Amateur Radio at Summer Camp

from www.arrl.org



By Joel Colman, NO5FD

For over 30 years I have introduced Amateur Radio at residential camps where I've worked. Since 1999, I've worked at the Henry S. Jacobs Camp, located south of Jackson, Mississippi. This Jewish residential camp serves youth from all over the country, but draws most of its participants from Louisiana, Alabama, Tennessee, and Mississippi. For two weeks in the summer I serve as a clergy resource for the campers and staff, but my primary role has been working in the digital media program area. ... **For more on this story, go to:**

<http://www.arrl.org/teaching-amateur-radio-at-summer-camp>

New US Submarine Forces Commander is Radio Amateur

from www.arrl.org

08/10/2018

US Navy Vice Admiral **Charles A. “Chas” Richard, W4HFZ**, assumed command of US submarine forces during a change-of-command ceremony on August 4, 2018, held aboard the submarine, **USS Washington (SSN-787)**.

He assumed command from Vice Admiral Joseph Tofalo. An ARRL Life Member, Richard, 58, is well-known in the AMSAT and APRS communities. He had been serving as the deputy commander of US Strategic Command at **Offutt Air Force Base** in Nebraska.



US Navy Vice Admiral
Charles A. “Chas” Richard, W4HFZ

A radio amateur since 1974, Richard said on his grz.com profile that he is active on 6 and 2 meters, as well as on HF when the VHF bands are closed. He also enjoys digital satellite operations. Richard has been on active US Navy duty since 1982.

LEARA — The Lake Erie Amateur Radio Association

46 Years of Serving Greater Cleveland Since 1969 -

VOICE REPEATERS:

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

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