



The Spirit of '76 and '88



Newsletter of the
October Lake Erie Amateur Radio Association 2023
Carsten Lohrmann, KD8WBB, Editor



The Internet of things (IoT) describes devices with sensors, processing ability, software and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks. The Internet of things encompasses electronics, communication and computer science engineering. Internet of things has been considered a misnomer because devices do not need to be connected to the public internet, they only need to be connected to a network, and be individually addressable.

The field has evolved due to the convergence of multiple technologies, including ubiquitous computing, commodity sensors, and increasingly powerful embedded systems, as well as machine learning. Older fields of embedded systems, wireless sensor networks, control systems, automation (including home and building automation), independently and collectively enable the Internet of things.

(Source: https://en.wikipedia.org/wiki/Internet_of_things)

LEARA Meeting Internet of Things (IoT)

Marc Barnett, KA8CPB
October 31, 6:30 p.m.

**Fire House
Grille & Pub
in Willoughby
Hills**



Click or scan
to join
via Zoom

The Prez Says by Bryan Torok, N8OOF



For the September meeting, we met at Fire House Grille & Pub in Willoughby Hills. Our guest speaker, Michael Kalter, W8CI, drove up from his home in Xenia, Ohio. Mike is running for the position of ARRL Division Director. He gave us his view of the ARRL's finances and ideas for improving the

... continue on page 2

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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

Prez cont.

ARRL. In Mike's view, raising the dues AND discontinuing the print versions of the magazines is unnecessary and a mistake. More info on the dues increase and magazines is below.

For the October meeting, we will be back at the **Fire House Grille & Pub** to accommodate our guest presenter, **Marc Barnett, KA8CPB**. Marc is the Director of Infrastructure at John Carroll University and Secretary of QCWA Chapter One. He will be speaking about the Internet of Things (IoT). The IoT is everywhere today. It intersects with our business, our personal life, and our hobby. We will take a high level view of the what, how, where, and why of IoT from wireless technology to devices you probably didn't even know are on the Internet.

I first saw Marc speak about the IoT several years ago and was blown away by how far reaching IoT is and how much I learned. I've wanted to get him booked for a LEARA meeting since then.

Our October meeting date falls on **Halloween** this year. So, we are encouraging members to attend the meeting in costume or at least wear a mask. Have a little fun, go crazy.

We plan to have **Zoom** up for the meeting. If you can't make the meeting, check the Zoom link between 7:15 to 7:30 and see if we are there. The link will be on the newsletter cover (hover on the QR code), the web site, and in the emailed meeting announcement. Thanks to the **Hamfest Association of Cleveland (HAC.org)** for the use of the Zoom video conferencing.

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.

For the November Holiday meeting we are planning on being at **Teamz** in Middleburg Heights. The details are being worked out.

VOTE, VOTE, VOTE #1 The ARRL election is going on through Noon ET November 17, 2023. If you are an ARRL member, you should have received your paper ballot and at least one email invitation to vote for the ARRL Great Lakes Division Director.

We had the current **ARRL Vice Director Scott Yonally, N8SY**, and candidate for Division Director at our August meeting. For more information on Scott's campaign and his vision for the ARRL going forward, go to

<https://n8sy.com/>

We had the other candidate for Division Director, **Michael Kalter, W8CI**, at our September meeting. For more information on Mike, his campaign, and ideas for the ARRL, go to

<https://www.w8ci.net/>

If you need assistance, please email ARRLElection@electionservicescorp.com or call toll free 1-866-720-HELP (4357) Monday-Friday 9 A.M. to 5 P.M. (ET).

ARRL Raising Dues and ending the print versions of the magazines: Starting January 1, 2024, the annual dues will increase from \$49 to \$59 per year. Further, the last print issue of the magazines will be mailed before December 31, 2023. If an ARRL member wishes to receive a printed copy of the magazine, that will be an additional \$25 per year. Digital issues of all four magazines will be available to all members. At our September meeting, Scott Yonally explained that this is largely due to the increased cost and reduced availability of paper. It seems that as more people switch to shopping online, as in Amazon, the paper mills have diverted much of their production to cardboard boxes. Still, the majority of members at our September and October meeting were very unhappy to learn of this change.

No LEARA Election This Year: Nominations for Trustee closed at the September meeting with no new nomination. Therefore, at the October meeting the incumbents (**Eric Jessen, N8AUC; Eddie Stevens, KD8FTS; and Jon Anhold, KM8V**) will be declared elected for three more years. However, if you want see how the club is run or want to get involved, you are still invited to attend LEARA's Trustees meetings held via Zoom on the second Saturday of odd numbered months at 9:00 A.M.

VOTE, VOTE, VOTE #2 Tuesday, November 7 is voting day. There are two major issues on the ballot, Issue 1 (Ohio Constitutional Amendment related to Abortion) and Issue 2 (Legalize, the Adult Use of Cannabis). Unless you are living under a rock, you have likely already been inundated with emotional pleas from both sides. I'm not going to tell you how to vote here, but I would be happy to discuss the issues with anyone wants to. Regardless of which way you are leaning, I suggest that before making up your mind you review what is actually being voted upon.

I suggest starting out with downloading a copy of the sample ballot for your district. You can find that by starting at the Secretary of State's website:

<https://www.ohiosos.gov/elections/voters/toolkit/sample-ballot/>

After getting my sample ballot, I then search for the actual text of the law being proposed, which is NOT the same as the summary on the ballot. I found a document which gives that info as well as some pros and cons.

<https://s3.documentcloud.org/documents/24025754/issuesreport.pdf>

... continue on page 4

Be advised, the full text of Issue 2 is 38 sections, around 30 pages at a normal sized font.

If you want further info, the Ohio Attorney General has objective legal analyses of both issues available on his website.

<https://www.ohioattorneygeneral.gov/Ballot-Initiatives>

When you download your sample ballot, you may find other local offices that are up for election getting your sample ballot gives you an opportunity to research those candidates and make an informed choice.

While I have tried to remain nonpartisan in these articles, I hope you will excuse my making a small exception. One of the issues on the ballot for Cuyahoga County is a tax renewal and slight increase for the benefit of Cuyahoga Community College. As I am an alumnus of CCC, I have a soft spot in my heart for it. Further, I am a big believer in the power of education to elevate and improve people's lives and therefore pay dividends back to society. I ask you to consider voting yes on the tax for CCC.

NOARS Last Foxhunt of the Year will be held Saturday, October 28, 11:00 A.M. at South Central Park, 7565 Avon Belden Rd (Rt. 83), North Ridgeville. The park is at the intersection of Avon Belden and Bainbridge Roads. Hunters should use the entrance and parking lot off of Rt. 83. Look for us on the grass or in the pavilion near the southeast corner of the lot.

No fox hunt gear is necessary, not even a ham radio license. Everyone is welcome.

It is suggested to bring folding chairs. For those who wish to program radios ahead of time the fox frequencies are 146.565, 147.555, and 146.460. Sara, KC8KSU, and myself will be the fox wranglers for this event. If the weather looks questionable, try calling us on the 146.700 repeater before coming out.

We regret to report that **Tom Kopcak, N8ETP**, recently passed away. Tom had been a long-time

member of LEARA. His son, **Jeff Kopcak, K8JTK**, served as a LEARA Trustee and currently serves as our Ohio ARRL Section Technical Coordinator. Further info may be found here:

<https://www.chambersfuneral.com/obituary/thomas-a-kopcak>

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.

Puzzle 10 (Medium, difficulty rating 0.49)

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



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.

September 2023 Checkins - 21					
ABBUM	Mike	KB8VXE	Carl	N8AUC	Eric
AD8G	Dave	KC8MRC	Bob	N8QMK	Mike
K2WJS	BILL	KD8AJZ	Rich	N8UPZ	Bill
K8EHP	Mike	KD8WBB	Carsten	W8DEC	Matt
K8VKA	Thomas	KE8DLR	Michael	W8IE	Ed
KADMED	Ed	N8ACP	Chris	W8JMI	Bryan
KB8VBR	Leone	N8AHS	Fred	WA8ZHN	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			
10/19/23	Mike	ABBUM	
10/26/23	Ed	W8IE	
11/02/23	David	AD8G	
11/09/23	Carl	KB8VXE	
11/16/23	Eric	N8AUC	
11/23/23	Thanks	Giving	
11/30/23	Steve	K8SAS	
12/07/23	Jon	KM8V	
12/14/23	Mike	ABBUM	
12/21/23	Ed	W8IE	
12/28/23	Carl	KB8VXE	

NCOs	ABBUM	MIKE	KM8V*	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. The practice nets are on hiatus now, but when active meets Wednesday evenings at 8:30PM 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.

Note that ARES will be on hiatus during the months of November and December. Nets and meetings will resume in January 2024.

Sunshine

Please contact Robert Wright (ke8ceo@leara.org) with information.

SK - Tom Kopcak (N8ETP) was laid to rest on Tuesday Morning Oct 2nd. Tom had been having back issues since February, and complications set in. Tom was former trustee of LEARA. His son Jeff is the ARRL technical coordinator.

<https://www.chambersfuneral.com/obituary/thomas-a-kopcak>

Jim Mac Millan is recovering well from shoulder surgery a few weeks back. He is making progress with his Physical Therapy.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29 October	30	31 Halloween 6:30p.m. LEARA meeting	1	2 8 p.m. LEARA VOICE 146.76/R	3 November	4
5 DST Time ends	6	7 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	8	9 8 p.m. LEARA VOICE 146.76/R	10	11 9 a.m. Trustees Meeting
12	13	14 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	15	16 8 p.m. LEARA VOICE 146.76/R	17	18
19	20	21 7:45 p.m. OHDN 8:00 p.m. ARES Net 145.41	22	23 Thanksgiving	24	25
26	27	28 6:30p.m. LEARA meeting	29	30 8 p.m. LEARA VOICE 146.76/R	1 December	2



Fire House Grille & Pub
Willoughby Hills
September 26

Upcoming Hamfests and Conventions

from www.arrl.org

10/29/2023 - [Massillon \(OH\) Hamfest \(& Auction\)](#)

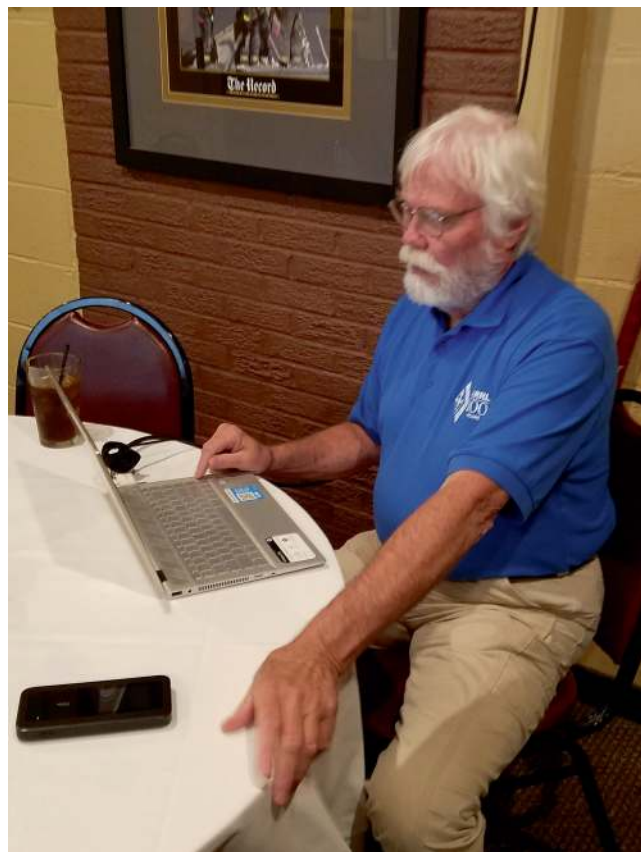
Location: North Canton, , OH

Type: ARRL Hamfest

Sponsor: Massillon Amateur Radio Club

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

[Learn More](#)



Michael Kalter, W8CI

Volunteer Exam Dates and Locations

from www.arrl.org

11/04/2023 | [Fairview Park OH 44126](#)

Sponsor: Northern Ohio Amateur Radio Society

Location: Fairview Park Library

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

[Learn More](#)

11/12/2023 | [Independence OH 44131](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Center

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

[Learn More](#)

11/13/2023 | [Cuyahoga Falls OH 44221](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

Time: 6:30 PM

(No Walk-ins / Register or Call ahead)

[Learn More](#)

12/02/2023 | [Kirtland OH 44094](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

01/14/2024 | [Independence OH 44131](#)

Sponsor: Cuyahoga ARS

Location: Old Elmwood Recreation Ctr.

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

[Learn More](#)

Using Amateur Radio to Play Chess

10/20/2023 - from: <http://www.arrl.org/news/using-amateur-radio-to-play-chess>

Playing chess using amateur radio? The concept may have begun in 1912 when a group of college students from Case Western Reserve University (CWRU) wanted to challenge chess players at The Ohio State University (OSU). Though the official origin is still debated, clippings from a 1912 issue of The Case Tech, one of CWRU's former student newspapers, reveal that the challenge was made when the CWRU Wireless Club procured a Morse code transceiver.

Faculty Advisor to the Case Amateur Radio Club, W8EDU, David Kazdan, AD8Y, said there are no official records of the match, so the challenge was re-proposed this year by the Case Amateur Radio Club. With the with the help of OSU's Amateur Radio and RF Club, W8LT, the game was on. It started on September 26 as a round-robin tournament with other schools and is now moving into an elimination phase. The setup is the same as any chess game except the players are in different locations.

Chess moves are relayed over the air either by voice or Morse code.

CWRU started the tournament strong with a win against Rensselaer Polytechnic Institute (RPI), but they lost the long-anticipated game against OSU. W8LT President Arvcuken Noquisi, KE8MXF, said the tournament is a series of test games to determine the best way to incorporate amateur radio into what is now referred to as HAMCHESS.

"Now we are using EchoLink through a Cleveland, Ohio, repeater with algebraic chess notation relayed by voice," said Noquisi. "In the future, each chess team will determine what method works best for them based on skill level and participation."

...shortened for editorial purposes...

Today, more than a dozen college amateur radio and chess clubs are participating in HAMCHESS events. College and university radio clubs, including those participating in the chess tournament, regularly network with each other through the [ARRL Collegiate Amateur Radio Program](#).

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:

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