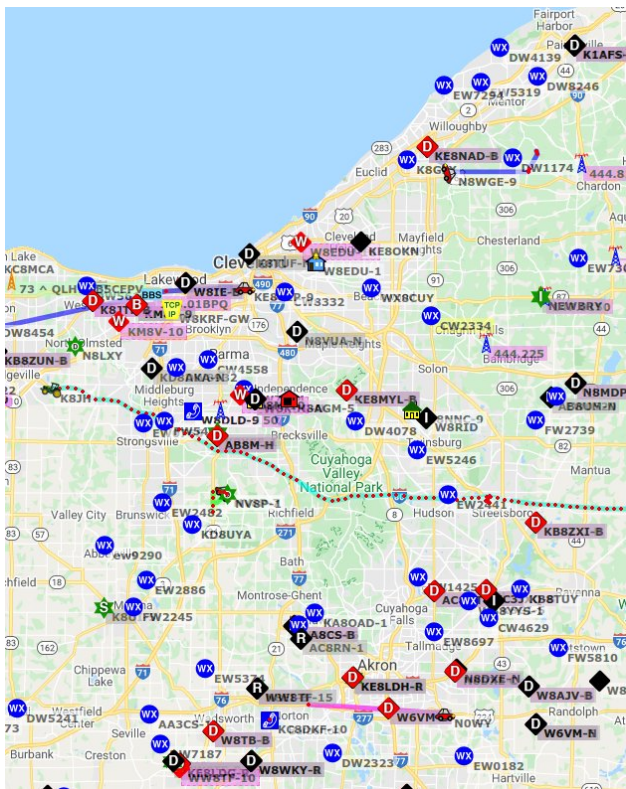




The Spirit of '76 and '88



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



Automatic Packet Reporting System (APRS) is an amateur radio-based system for real time digital communications of information of immediate value in the local area. Data can include object Global Positioning System (GPS) coordinates, weather station telemetry, text messages, announcements, queries, and other telemetry. APRS data can be displayed on a map, which can show stations, objects, tracks of moving objects, weather stations, search and rescue data, and direction finding data.

LEARA July 28. Meeting

Virtual Meeting Online

Dave Andrzejewski, AD8G

APRS

July 28. - 7:30 p.m.



Click or
scan to join

The Prez Says

by Bryan Torok, N8OOF

The June meeting was again via WebEx. Our guest speaker was **Anthony Luscre, K8ZT**, ARRL Ohio



Section Youth Coordinator. We apologize for misspelling Anthony's last name in the June newsletter. Whatever source we copied and pasted from had it wrong. Anthony gave an extremely thorough presentation on digital operation using FT4/FT8. FT4/FT8 is a digital text mode that allows one to work signals that

... 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
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Andrew Kahn Vice President	WA8LIV 937-681-1516
Steve Spisak Trustee	K8SAS 216-533-7300
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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
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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>	

V03/2020-06-24

are below the noise level and not audible to the naked ear. It is used for short contest-style (signal & location) communications. Anthony not only talked about and described using FT4/FT8, he demonstrated it live by making contacts both in the United States and other continents. The presentation was recorded and will be available to viewing. Also, the slideshow is available for viewing at <http://tiny.cc/ft8ft4>

The July Meeting will be held via Zoom with a presentation on APRS by our own **Dave Andrzejewski, AD8G**.

LEARA switching to Zoom. As I mentioned in last month's column and during the meeting, WebEx is imposing additional limitations on the length of meetings within their free service. In order to get around the limitations, we were looking at buying the service for a year. Upon hearing that, **Jon Anhold, KM8V**, had a great idea. Jon sits on the board of the **Hamfest Association of Cleveland (HAC.org)**. Besides having put on a wonderful hamfest for the last 45 years, the mission of HAC is to support local ham radio clubs.

Jon's idea was for HAC to purchase a paid Zoom video conferencing account for use by area Amateur Radio clubs. While the LEARA meeting was still in progress, Jon had emailed his fellow HAC board members to run the idea past them. Subsequently, the HAC board approved the idea and Zoom is now available for area clubs to use. To sign up go to

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

Because of Jon's idea and the generosity of HAC, the LEARA Trustees' and Members' meetings are scheduled on Zoom through January of 2021. The link to join the members meeting will be sent to members and published on the LEARA web site,

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.

www.leara.org, in advance of each meeting. As always, the Trustees' meetings are open to any member wishing to attend. However, members wishing to attend a Trustees' meeting should contact a Trustee in advance of the meeting to obtain the link.

The coronavirus/COVID-19 and Restaurant Meetings: Our venue chair, Eddie Stevens, has had no success in finding a restaurant willing to schedule group meetings through the end of 2020. They are concerned about entering into a contract that they may not be able to fulfill.

On a related note, a close friend and his family have contracted the virus. Of the three, he seems to have it the worst but is getting by at home. They know exactly when and where they became infected as there was only one place where they could have come in contact with it in the last several weeks. And, it was the only place they have been without wearing a mask. So, one lapse has led to this situation.

Folks, I beg you to get a good quality mask and wear it whenever you are in public. Wear it so that it covers your mouth and nose. If it has a metal nose piece, bend it for a proper fit. Put it on AND leave it on. There is no reason to remove it to speak. Any mask is better than no mask, but quality made-in-USA N95 masks are available for about \$12 each in packs of five. KN95 is an Asian standard that has essentially the same level of filtration but is somewhat more restrictive in air flow so they can be a bit harder to breathe through. KN95 masks can be found online for about \$3 each in packs of ten. The masks can be sanitized with isopropyl (rubbing) alcohol, left to air dry, and reused. 70% alcohol will kill viruses and bacteria in about 20 to 30 seconds while 90% and higher will do the job in one to three seconds.

LEARA Fundraiser: Raffle ticket sales for the Honda EU 2200i generator continue. As of this writing, we have sold about 100 tickets. We will have the drawing during the November 24, 2020 Holiday meeting. Keep pushing the sales where you can. Send your friends, family, and coworkers to <http://LEARA.org/raffle> to purchase tickets.



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

Bylaws Revision: The Trustees approved changes to the Bylaws and Standard Operating Procedures (SOP). Please see the May newsletter for the details. I anticipate holding the vote during this month's meeting.

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 "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 June 2020

AB8M Doug	KC8FQV Mark	N8AUC Eric
AB8UM Mike	KD8AJZ Rich	N8DOF Bryan
AC8JR Andy	KD8BAL Joe	N8QAS Dan
AD8AA Jeff	KD8FTS Eddie	N8UPZ Bill
KIQCQ Frank	KD8WBB Carsten	W8IE Ed
K2WJS BILL	KE8JEZ Eric	W8IXY Ted
K8EHP Mike	KE8DQA Dennis	W8TAB Tom
K8RJH Ron	KE8WHA Rachel	W8RZR Jan
K8SAS Steve	KG8DN Ken	W8ZHN Jim
K8SCA Josh	KK8ZZ Bob	WB8ROK Ed
KB8LKH Dan	KM8V Jon	WB8TOP Tim
KB8VXE Carl	N8AHS Fred	WD8AEK Frank

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

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

Net Control Schedule

07/23/20	Mike	AB8UM
07/30/20	Eric	N8AUC
08/06/20	Carl	KB8VXE
08/13/20	Ken	KG8DN
08/20/20	Mike	AB8UM
08/27/20	Carl	KB8VXE
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

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 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

The ARES meetings for July and August have been canceled. 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.

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 wish Tom Cramer, N8AGM a quick recharge to get himself back to full working power. Hang in there Tom!

- Our condolences go to Metro (W8MET) and Linda (N8LRS) Sinko
Metro's Mother passed Thursday, July 2.

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.

08/01/2020 | [Kirtland OH 44 094-9729](#)

Sponsor: Lake County ARA

Location: Chapin Forest Quarry Shelter,
First shelter on the right

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

[Learn More](#)

08/13/2020 | [Cuyahoga Falls OH 44 221](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

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

[Learn More](#)

08/16/2020 | [Elyria OH 44 035-1343](#)

Sponsor: LCARA & American Red Cross

Location: American Red Cross

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

[Learn More](#)

09/10/2020 | [Cuyahoga Falls OH 44 221](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

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

[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](#)

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.

LAKE ERIE AMATEUR RADIO ASSOCIATION TRUSTEES' MEETING MINUTES

Saturday, 11th July 2020, held virtually in a Zoom Video Conference

(Subject to Revision)

Attendance:

N8OOF, N8AUC, K8SAS, WA8LIV, WA8ZO,
KE8CEO, K8DFTS, N8YNR

Guests:

KD8WBB, KB8VXE

1. N8OOF started the meeting at 9:19AM

2. First and foremost, LEARA thanks HAC (Hamfest Association of Cleveland) for sharing their Zoom Video Conference

3. Corrections to previous minutes

- Marv moved to accept the May 2020 minutes, K8SAS seconded. Motion passed without objection.

4. Treasurer's Report – N8YNR

- Total cash: all good
- We need to keep selling raffle tickets
- KD8FTS asked how the Raffle drawing would be performed.
 - N8YNR responded that it would be done on camera. N8OOF suggested acquiring a raffle cylinder to perform the raffle.

5. Membership Report – W8AZO

- We still have a lot of people who have not renewed

6. Venue Chair's Report – KD8FTS, N8OOF (Zoom)

- No change since last time, Firehouse and Hofbräuhaus isn't allowing groups yet. Not taking reservations until the State's rules allow so. KD8FTS suggests we focus on Zoom meetings until 2021

7. Programs for 2020 – N8AUC

- July program – Jeff Garvas, N8YNR, on digital scanning

- August – Homebrew QRP and Microcontrollers
- Idea – What if an OEM could come to a LEARA meeting and present?
 - Andrew, WA8LIV, to reach out to ICOM rep (via email) and Yaesu Rep (via Facebook)

8. Technical Committee Report Plans – N8OOF (Southeast input side, 146.88 IRLP vs. Echolink)

- N8OOF led a discussion on the Southeast input and getting an input there.
- N8OOF led a discussion on the East side 76 input.
- N8OOF led a discussion to replace IRLP with Allstar
- Discussion to add Jon, KM8V, to the technical committee
- KB8VXE noted that 76 does not appear to be hearing out to the West, K2WJS is unable to get into 76 and had to be taken off the Net Control List. KB8VXE noted others to the west also have been having trouble getting into the repeater.
- N8YNR suggested we buy a Starbucks gift card to a group who moved their simplex frequency off LEARAs 76 link frequency. The group moved their simplex frequency without hesitation.

9. HAC and the Cleveland Hamfest – N8OOF, et al

- WA8LIV moved to buy a table at HAC and add a \$25 donation in goodwill, N8AUC seconded. HAC is supporting Cleveland Amateur Radio by supplying a Zoom for all clubs to use. LEARA wants to support HAC in purchasing a table at the Hamfest.

10. Nominations for October election – K8SAS, KE8CEO

- Nominees:
 - Jon Anhold – K8MV
 - Eddie Stevens - KD8FTS, Incumbent
 - Eric Jessen - N8AUC, Incumbent
- WA8ZO met WA8LIV to provide the key for the LEARA PO Box last week to allow for the collection of mail-in ballots.

11. Old Business – ALL

- None

12. New Business – ALL

- Eddie, KD8FTS – asks about the upcoming meeting page. We should start publishing the Zoom link for the website. The Zoom link remains the same every month of COVID-19 (good through June of 2021). A static page could be built to help members join.

13. Adjournment – ALL

- N8AUC moved to adjourn, K8SAS seconds. Meeting ended at 11:00AM

Respectfully submitted,
Andrew Kahn - WA8LIV

Allstar coming to 146.88!

Over the next several weeks, changes will be coming to 146.88. We are installing AllstarLink on the repeater.

You can visit <https://allstarlink.org> for general information, but it's a method of linking repeaters 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. Over the next several weeks,

you may hear funny noises, tones, and other weirdness on the repeater as I install and test things. I will put together more details and specific instructions for use after everything is set up and fully tested.

73 –

Dave/AD8G
LEARA Radio Officer



Public service events

Due to the lack of any upcoming events, and the continued threats from governments to impose more restrictions, we have decided to not hold a July ARES meeting. We don't feel there is much point in getting everyone together to talk about everything that isn't going to happen.

We will put together a virtual web meeting to be scheduled the first or second Sunday in August. The exact date will follow later. This web meeting will be held utilizing the new Zoom account that has been graciously provided and paid for by the Hamfest Association of Cleveland.

This account is available for use by local amateur radio groups free of charge.

For more info visit <http://www.hac.org/zoom/>

We will then attempt to resume in person meetings starting the first Sunday in September in Berea. As of now, the next events for us that have yet to be cancelled take place later in September so this should give us plenty of time to all get back into gear.

(Also, don't forget about the Geauga Fair in early September. <https://ohiogears.org/fair/>)

Thanks for your continued participation. I hope you are all doing well.

We look forward to being able to get together and "play radio" soon!

Mat, KC8NZJ

Sun	Mon	Tue	Wed	Thu	Fri	Sat
19 July	20	21 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	22 8:30 p.m. Skywarn Net 146.76/R	23 8 p.m. LEARA VOICE 146.76/R	24	25
26	27	28 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN 7:30p.m. LEARA Virtual meeting	29 8:30 p.m. Skywarn Net 146.76/R	30 8 p.m. LEARA VOICE 146.76/R	31	1 7:30 a.m. Friends of MS150 Ride August
2	3	4 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	5 8:30 p.m. Skywarn Net 146.76/R	6 8 p.m. LEARA VOICE 146.76/R	7	8
9	10	11 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	12 8:30 p.m. Skywarn Net 146.76/R	13 8 p.m. LEARA VOICE 146.76/R	14	15
16	17	18 7:15 p.m. ARES 80m OSSB 8 p.m. OHDN	19 8:30 p.m. Skywarn Net 146.76/R	20 8 p.m. LEARA VOICE 146.76/R	21	22

QSO Today Virtual Ham Expo Confirms Packed Lineup Of 70+ Speakers

Los Angeles, CA: QSO Today host Eric Guth, 4Z1UG, announced that the first QSO Today Virtual Ham Expo taking place on August 8-9, 2020 has now confirmed a packed lineup of over 70 great speakers for the event. For more information about the speakers and to register, go to www.qsotodayhamexpo.com. Attendance is free and there are early bird prize incentives (donated by sponsors) for registering by July 24, 2020.

There will be speaker tracks on a variety of topics to ensure plenty of great content for everyone. For those new to the hobby, there will be two tracks focused entirely on providing hands-

on, simple practical advice for getting started in amateur radio. For example, Steve Johnson, WD8DAS, will be showing basic soldering techniques for repair of equipment and new construction projects. Marcel Steiber, AI6MS, will provide an overview on common battery types and will discuss the pros/cons of each chemistry, common uses/misuses, and everyday application tips for your latest amateur radio project.

For the experienced operator, there will be speakers on topics ranging from new techniques, equipment upgrading, 3D printing, and more.

The Expo also features a fantastic youth track, led by Carole Perry, WB2MGP, that will feature amateur radio's future leaders.

For more information and to register, go to www.qsotodayhamexpo.com. Attendance is free and there are early bird prize incentives for registering by July 24, 2020.

First Annual "Dream Rig" Youth Essay Contest

Wednesday, July 1, 2020

The Intrepid-DX Group is a US based 501 C(3) nonprofit organization that promotes Amateur Radio activities in developing countries.

Announcing our first annual Youth Essay Contest-Prize is a Dream Rig!

The Intrepid-DX Group recognizes the importance of including Youth in our great hobby because they are our future! We are establishing an annual Dream Rig Youth Essay Contest to learn the suggestions of young people for attracting other young operators to Amateur Radio.

What is the Prize?

The prize is a factory fresh ICOM IC-7300! See the features here:

<https://www.icomamerica.com/en/products/amateur/hf/7300/default.aspx>

Contest Rules:

- 1) Two-page Essay answering these questions:
A) What are your amateur radio goals?
B) What can we do to attract more youth to amateur radio?
- 2) USA Amateur Radio License Holders Age 19 or younger.
- 3) Promise to keep the radio for one year, not flip it, trade it or sell it, and to use it on the air.
- 4) Send essay in text or MS Word attachment to intrepiddxgroup@gmail.com by **July 31, 2020**.
- 5) You may alternatively mail it to:
The Intrepid-DX Group, 3052 Wetmore Dr,
San Jose, CA 95148, USA.
Must be postmarked by **July 31, 2020**.
- 6) The winner of the Essay Contest will be announced on our Website and Facebook page on **August 10, 2020**.

All submissions become the property of the Intrepid-DX Group and may be published.

Questions: Send an email to
pauln6pse@gmail.com

Follow us on our homepage
www.Intrepid-DX.com
and/or our Facebook page at
<https://www.facebook.com/The-Intrepid-DX-Group-180857615282553>

WIN THIS HONDA 2200 WATT GENERATOR!

With 12V DC Output!



(valued at \$1050)

**Tickets
\$20**

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.

Balloon Launched by Popular Web Show Host Completes Second Round Trip

06/23/2020

from:

<http://www.arrl.org/news/balloon-launched-by-popular-web-show-host-completes-second-round-trip>

A balloon launched on May 20 by “Amateur Radio Roundtable” web show host Tom Medlin, W5KUB, and team has begun its third circumnavigation of Earth. The balloon, at 43,000 – 45,000 feet, completed its second trip around the globe on June 19. It crossed the Atlantic ocean “in record time” at a speed of about 170 MPH, the balloon website reported this week.

The balloon, identified as W5KUB-18, carries APRS and WSPR amateur radio payloads. As of the afternoon of June 23, it was heading over Uzbekistan at more than 100 MPH.

As the balloon website states, the mission and goal are to launch a high-altitude balloon for long-duration and multiple trips around the world. The balloon, an SBS-13, is capable of flying up to 45,000 feet. “It will be filled with hydrogen to obtain higher altitude,” the website explains.

“It will be solar powered only (no batteries, so it will only transmit during daylight). We will receive tracking every 10 minutes via WSPR on HF [14.0971 MHz].” Tracking transmissions will be turned off over the UK, Yemen, and North Korea due to regulations. The homebrew tracking transmitter runs just 10 mW but, Medlin told ARRL, it’s being heard as far away as 9,000 miles.

Read more online...<<click>>

Puzzle 2 (Medium, difficulty rating 0.50)

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

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
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Those who subscribe via e-mail will not receive a paper copy of the newsletter.