



The Spirit of '76 and '88



July

Newsletter of the Lake Erie Amateur Radio Association

2019

Ken Kane, KG8DN, Editor

It's Picnic Time! **Join us in Brecksville July 30th**

This month, on **Tuesday, July 30, 2019**, the **LEARA Picnic Meeting** will be at the Harriet Keeler Picnic Pavilion, on Chippewa Creek Drive, across from the Brecksville Nature Center, just south of Chippewa Road (Route 82), in the Brecksville Reservation of the Cleveland Metropolitan Park System. Monitor 146.76, or in the area, 146.52.

As usual, dinner will be served at 6:30 pm followed by the club meeting. **The cost will be \$15 per adult and free for children under age 13 when attending with a paying adult. Advance reservations for all are required. When registering, please state how many are under the age of 13.** Reservations may be made on the club website at <http://www.leara.org>, or by calling Marv Grossman (W8AZO) at 440-248-0031.

The Picnic Meeting will be catered by **Mr. Mike's Catering**, and will consist of Hot Dogs, Hamburgers, Fried Chicken, Baked Beans, and Potato Salad. Toppings and condiments will also be provided. Soft drinks and bottled water will be provided as well.



Please let us know if you have any special dietary needs or concerns.

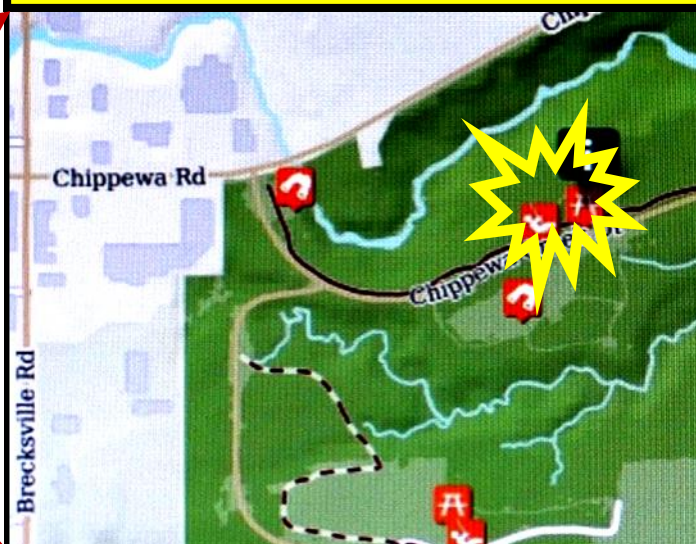
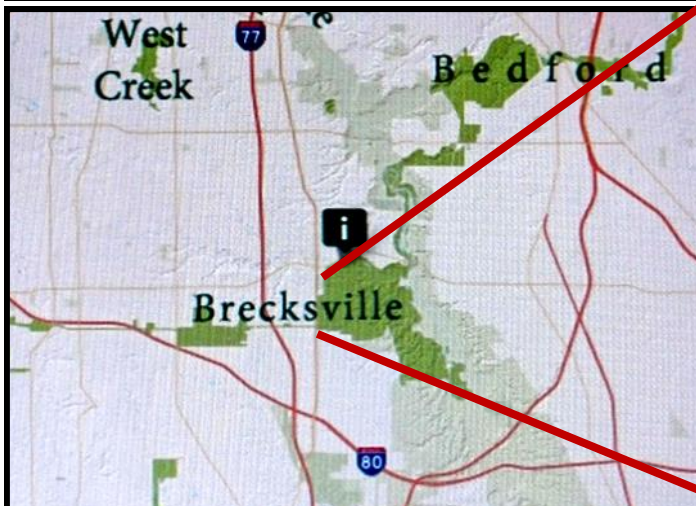
Reservations must be submitted by Sunday, July 28th at 6:00 pm. We hope to see you there!

Directions to Picnic:

Take I-77 south to exit 149A at Rt. 82 east.

Take Rt. 82 eastbound past Rt. 21 where
Rt. 82 becomes Chippewa Rd.

Turn right onto Chippewa Creek Drive.
Harriet Keeler Memorial Picnic Area is on left.



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and TRUSTEES**

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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*

LEARA Needs Your Help: My fellow LEARA members, we really need you to get involved. In particular, we need someone to become the newsletter editor and folks who are willing to run for trustee. Perhaps you've thought about it and aren't sure you have the skills needed or don't know how you would be received. If you are at all considering volunteering, I urge you to go for it. You will find that you will be welcomed and assisted in doing the job. In fact, we will provide training and the software for editing the newsletter. For full details, see below.

The Prez Says
by Bryan Torok, N8OOF

The June meeting was at **Mahle's Restaurant** in Westlake. We've been there before with good results and this time added to that record. Several folks said the prime rib was excellent and I didn't hear any complaints about the salmon or the chicken parmesan. Eric Jessen presented a video on the 2009 K5D Desecheo Island DXpedition. It always amazes me the lengths to which some hams will go, literally and figuratively, to go to a rare and remote location to operate DX. Desecheo Island may only be 13 miles from mainland Puerto Rico, but that is still about 1150 miles from Florida. The logistics and costs involved in moving a dozen people and supplies for two weeks (generators, fuel, food, refrigerators, tents, etc.) to the island, mostly by helicopter, are mind boggling & made for a very interesting story.

For the July meeting, Eddie Stevens, KD8FTS, will be putting on the picnic in the usual location, the Harriett Keeler Picnic area at the Metro-Parks Brecksville Reservation. The picnic will be catered as it was last year. Most of the setup will be handled by the caterer. However, we will need to either haul away or place in the trash any leftovers. Please make your reservations per the info on the front page.

Another Interesting Event: The Cleveland Kite Festival will be held Saturday, August 24, 2019, from 10:00 A.M. to 5:00 P.M. at Edgewater Park in Cleveland. If you haven't been to a large kite festival, these aren't your father's kites. There will be small kites and kites large enough to lift a man or drag a car across a field. There will be single line kites and multi-line kites that can be steered in three dimensions. It's a fun time and it's free.

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.**

Bryan Torok, N8OOF

Sun	Mon	Tue	Wed	Thu	Fri	Sat
21 Cleveland Triathlon ad8ws@arri.net	22 July	23 ARES® 80m 7:15 pm OSSB 8 pm OHDN	24 Skywarn Practice Net 8:30 PM 146.76/R	25 8 pm LEARA VOICE '76	26	27
28 POHR	29	30 LEARA picnic 6:30 PM in Brecksville Reservation	31 Skywarn Practice Net 8:30 PM 146.76/R	1 8 pm LEARA VOICE '76	2	3
4 MS Buckeye Breakaway N8YNR	5 August	6 ARES® 80m 7:15 pm OSSB 8 pm OHDN	7 Skywarn Practice Net 8:30 PM 146.76/R	8 8 pm LEARA VOICE '76	9	10 USA Triathlon Registration KC8NZJ
11 USA Triathlon Registration KC8NZJ	12	13 ARES® 80m 7:15 pm OSSB 8 pm OHDN	14 Skywarn Practice Net 8:30 PM 146.76/R	15 8 pm LEARA VOICE '76	16	17
18 Rock Hall Half Marathon Registration WB8IXZ ARES® 2pm CCPL Independ.	19	20 ARES® 80m 7:15 pm OSSB 8 pm OHDN	21 Skywarn Practice Net 8:30 PM 146.76/R	22 8 pm LEARA VOICE '76	23	24
25	26	27 LEARA MEETING 6:30 PM Nominations Close	28 Skywarn Practice Net 8:30 PM 146.76/R	29 8 pm LEARA VOICE '76	30	31
<div> <div>Aug. 29-31 and Sep. 1-2</div> <div>Geauga County Fair Communications</div> <div>https://ohiogears.org/fair/</div> </div>						



LEARA "On The Air"

Club Net Information
by Carl Gedeon, KB8VXE

July 2019 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 June 2019

AB8UM	Mike	KC8JR	Andy	N8AGM	Tom
K2WJS	BILL	KC8NZJ	Mat	N8AUC	Eric
K8ARP	Arp	KD8ACD	David	N8OOF	Bryan
K8CCS	Connie	KD8AJZ	Rich	N8UPZ	Bill
K8EHP	Mike	KD8FTS	Eddie	W2THU	Bob
K8GIL	George	KD8OVQ	Joe	W8IE	Ed
K8RJH	Ron	KD8WBB	Carson	W8STU	Stu
K8SAS	Steve	KE8CEO	Robert	W8TAB	Tom
KB8VXE	Carl	KG8DN	Ken	WA8ZHN	Jim
KC8FQV	Mark	KK8ZZ	Bob	WB8ROK	Ed

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

For July & August, the tentative scheduled NCOs are:

Net Control Schedule		
07/25/19	Carl	KB8VXE
08/01/19	Eric	N8AUC
08/08/19	Ken	KG8DN
08/15/19	Steve	K8SAS
08/22/19	David	KD8ACD
08/29/19	Carl	KB8VXE
09/05/19	Eric	N8AUC
09/12/19	Ken	KG8DN
09/19/19	Steve	K8SAS
09/26/19	David	KD8ACD

Please check the website for current assignments.

The Wednesday Skywarn Practice Net

Skywarn season runs from March through September. Skywarn practice nets are held every Wednesday during the season, 8:30PM, on LEARA's 146.760 repeater. There is a brief simplex net that is held after the repeater net to test gear and operational skills. Please check in and learn how the net works. 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

AB8UM	MIKE	KD8ACD	DAVID
K2WJS	Bill	KG8DN	KEN
K8SAS	STEVE	N8AUC	ERIC
KB8VXE	CARL	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

ARES Nets are now on Hiatus for the summer. Nets will resume in September. The ARES website is also temporarily out of commission.

Sunshine

We wish Bill K2WJS a speedy recovery. Hope you're back on your feet soon.

Upcoming Hamfests and Conventions

from www.arrl.org

07/20/2019 | NOARSFEST

Location: Elyria, OH

Type: ARRL Hamfest

Sponsor: Northern Ohio Amateur Radio Society

Website: <http://noars.net/hamfests/noarsfest>

[Learn More](#)

07/21/2019 | VAN WERT HAMFEST

Location: Van Wert, OH

Type: ARRL Hamfest

Sponsor: Van Wert Amateur Radio Club

Website: <http://w8fy.org>

[Learn More](#)

07/28/2019 | Portage Hamfair '19

Location: Ravenna, OH

Type: ARRL Hamfest

Sponsor: Portage Amateur Radio Club

Website: <http://hamfair.com>

[Learn More](#)

08/03/2019 | Columbus, Ohio Hamfest

Location: Grove City, OH

Type: ARRL Hamfest

Sponsor: Voice of Aladdin Amateur Radio Club

Website: <http://www.columbushamfest.com>

[Learn More](#)

08/10/2019 | DX Engineering Hamfest

Location: Tallmadge, OH

Type: ARRL Hamfest

Sponsor: DX Engineering

Website: <https://www.dxengineering.com/DXEfest>

[Learn More](#)

09/07/2019 | CMARC Hamfest

Location: Okemos, MI

Type: ARRL Hamfest

Sponsor: Central Michigan Amateur Radio Club

Website: <http://centralmiarc.com>

[Learn More](#)

09/08/2019 | Findlay Hamfest

Location: Findlay, OH

Type: ARRL Hamfest

Sponsor: Findlay Radio Club

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

[Learn More](#)

Volunteer Exam Dates and Locations

from www.arrl.org

07/21/2019 | [Elyria OH 44035-1343](#)

Sponsor: American Red Cross

Location: American Red Cross

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

[Learn More](#)

08/03/2019 | [Kirtland OH 44094-8500](#)

Sponsor: Lake County ARA

Location: Kirtland Library

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

[Learn More](#)

08/03/2019 | [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](#)

08/18/2019 | [Berea OH 44017-1328](#)

Location: Helwig Whistlestop

Time: 3:00 PM (Walk-ins allowed)

[Learn More](#)

08/18/2019 | [Elyria OH 44035-1343](#)

Sponsor: American Red Cross

Location: American Red Cross

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

[Learn More](#)

09/04/2019 | [Cuyahoga Falls OH 44221-3205](#)

Sponsor: Cuyahoga Falls ARC

Location: Cuyahoga Falls Library

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

[Learn More](#)



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The Backbone of VHF Amateur Radio May Be Under Threat

<https://hackaday.com/2019/07/01/the-backbone-of-vhf-amateur-radio-may-be-under-threat/>

By Jenny List, G7CKF

July 1, 2019

A story that has been on the burner for a few weeks concerns a proposal that will be advanced to the ITU World Radiocommunication Conference 2023. It originates with French Spectrum regulators and is reported to be at the behest of the Paris-based multinational defence contractor Thales. The sting in its tail is the proposed relegation of amateur radio to secondary status of the widely used two-meter band (144 MHz) to permit its usage by aircraft. The machinations of global spectrum regulation politics do not often provide stories for Hackaday readers, but this one should be of concern beyond the narrow bounds of amateur radio.

Most parts of the radio spectrum are shared between more than one user, and there is usually a primary occupant and a secondary one whose usage is dependent upon not interfering with other users. If you've used 435 MHz radio modems you will have encountered this; that's a band shared with both radio amateurs and others including government users. While some countries have wider band limits, the two-meter band between 133 MHz and 146 MHz is allocated with primary status to radio amateurs worldwide, and it is this status that is placed under threat. The latest ARRL news is that there has been little opposition at the pan-European regulator CEPT level, which appears to be causing concern among the amateur radio community.

Why should this bother you? If you are a radio amateur it should be a grave concern that a band which has provided the "glue" for so many vital services over many decades might come under threat, and if you are not a radio amateur it should concern you that a commercial defence contractor in one country can so easily set in motion the degradation of

a globally open resource governed by international treaties penned in your grandparents' time. Amateur radio is a different regulatory being from the licence-free spectrum that we now depend upon for so many things, but the principle of it being a free resource to all its users remains the same. If you have an interest in retaining the spectrum you use wherever on the dial it may lie, we suggest you support your national amateur radio organization in opposing this measure.

A sample of over one hundred comments:

Joaquinh says:

I have quite a lot of experience in the ITU process having led an effort from about 2006 to 2013 to get primary usage in a particular part of the HF band as a technical POC from the USA. So, here are some things to consider before you get overly concerned about the proposal in the ARRL CEPT item linked above.:

- *Each nation, known as an "administration" in ITU-speak, has a rep at the WRC held in Geneva every year. It takes typically 2 to 3 years just to get on the agenda. From the ARRL link, it appears that this proposal is already past this point.*
- *Once on the agenda, it takes 2 to 3 more years to go through the committee approval process and then to the overall ITU approval. During this period, the various nations do what we, in the USA, call "horse-trading"; e.g., "I'll approve this text if you approve that text" etc., etc... This is where this VHF proposal is now, apparently.*
- *A single nation can do a lot to sidetrack/delay/pend any proposal.*
- *The globe is partitioned into 3 main ITU regions that follow longitudinal bands, roughly: Europe (incl. Russia) & Africa; N & S America; Asia (incl. Australia).*
- *Any approved rules can be region-specific, e.g., what applies to Europe may not apply in the USA and vice-versa.*

So, there's no reason to be complacent either. The best thing you can do is to team up with any organization in your country and make your concerns known to your own nation's regulatory agency.

—

(Continued from page 6)

Back- bone cont.

Walter says:

Well, if this can be useful for the aircraft industry and navigation systems it's a better use than a handful of grey-bearded hobbyists sharing details about their ailments.

Anyway, now that there is internet and high-speed networks with redundant paths, there is not need to devote that much Hertzian space for a handful of people, and it's urgent to free those poorly used bands for services that need it, like automotive networks, delivery drones, urban mobility, environmental data ,,,

Martin Sivak says:

Amateur radio is meant for education and research. Yes, people chat there as well, but a lot of people are actually doing research in the area of satellites, low power (JT's modes) and antennas for example. This is also the only worldwide harmonized VHF frequency allocation we have. There are satellites in orbit using it too (including ISS).

Allen Siegel says:

Have you ever been involved in a natural disaster such as a tornado or hurricane? That's when all communications are broken! These "grey bearded old men" are the only link to the rest of the world. That's what amateur radio is best at!

Biomed Bob says:

When all else fails...Amateur Radio.

I live in Southern California and every time there is a disaster (fire, flood, earthquake, the Chatsworth Metrolink crash) it has been the Amateur Radio community that ensures we can get in touch with resources outside of the disaster area, because more often than not the phone system gets overloaded. Also ask the people in Haiti and Japan what they think of the Amateur Radio community when a disaster strikes.

As mentioned above, the 2 meter (144 MHz to 148 MHz in the US) is the only worldwide frequency that we all have access to. Not to mention that a lot of Amateur Radio operators have come up with innovations that affect modern technology; go look up how the fractal antenna used in cell phones came about. If I recall correctly, it was an Amateur Radio operator trying to shrink his antenna for an apartment that figured it out.

Andy says:

Only? What about 160, 80, 40, 20, 15 and 10?

Stephen Slater says:

At the present time in the solar cycle these bands do not provide the good and reliable propagation in the same way as 2 meters does.

David C Says:

At one time, that was true, but not any more. The phone companies are quick to provide fast, reliable satellite phones in the aftermath of a real emergency... In the 1950s and 60s it was useful in an emergency, but in the 21st century, not so much...

Paul W. Ross says:

We live on the DE/MD border on the Atlantic Ocean... Some years back, during a hurricane, the emergency power for the entire state communications system was within 1/2 hour of going out... In emergency situations, cell systems DO become overloaded (see 9/11), or simply don't work. Ditto with the Internet...Get your license and join the party...73/ Paul W3FIS

<https://hackaday.com/2019/07/01/the-backbone-of-vhf-amateur-radio-may-be-under-threat/>

LAKE ERIE AMATEUR RADIO ASSOCIATION TRUSTEES' MEETING MINUTES OF THE MEETING

13 July 2019, at the Middleburg Heights Branch of the Cuyahoga County Public Library
(subject to revision)

Present: N8OOF, WA8LIV, N8AUC, KD8FTS, W8AZO, KDTWG
Guests: KB8VXE, KC8KSU
Excused: K8SAS, N8YNR

Call to Order: N8OOF called the meeting to order near 9:25 AM

Corrections to May Minutes: WA8LIV moved and KG8DN seconded that the May trustee minutes be accepted as published. Passed.

Treasurer's Report: (None was available.)

Membership Report: W8AZO reported that we currently have 134 members. 37 members have not renewed their membership.

Venue Chair's Report: — July Picnic Dinner Plan: KD8FTS reported that the picnic this year (on Tuesday, July 30th) is like the one we had last year in Brecksville (see front cover), except this time the club will not need to provide the water and "pop" because the caterer (Mike) will include these in his service. Marv will get to the picnic site by 3pm to hold the pavilion and post the banner. Eddie's venue plans for the rest of the calendar year will center on the following: The Fairmount (at Cedar), Vittorio's (east), Tony K's (west), and Hofbräuhaus.

Programs for 2019: N8OOF reported that we have the club Picnic in July on the 30th, and other programs are in the planning stage.

Technical Committee Report: KD8TWG indicated that the breaker on the power supply for .76 was reset recently after it had been tripped. There is an occasional noise problem on the Lakewood input to '76 with weak incoming signals. The '76 input package at Case is ready to be installed and N8AUC will be working with AD8Y to pursue this. '88 seems to be working OK. There was discussion about the problem of getting the Newsletter to the public access point on the Website. Andrew WA8LIV and Dave will work out this routine. N8OOF has the Fusion Repeater in his possession. Our inputs for '76 are in Newberry and Lakewood. The Westshore input has yet to be built.

Newsletter and Election Candidates:

There was discussion about recruiting candidates for election to the Board and for filling the newsletter editor's position, with some agreement after discussion that personal invitations would be effective. We determined that the trustees will do some phone invitations for both, based on the membership list.

Old Business: (None)

New Business: (None)

Adjournment: By general agreement, the meeting adjourned at 10:50 AM.

Respectfully submitted,
Ken Kane, KG8DN
Secretary

So Now What? Podcast

from www.arrl.org

07/11/2019

"Fan Questions" will be the focus of the new (July 11) episode of the [So Now What?](#) podcast for Amateur Radio newcomers. If you're a newly licensed Amateur Radio operator, chances are you have lots of questions. This biweekly podcast has answers! *So Now What?* offers insights from those who've been just where you are now. **New episodes will be posted every other Thursday**, alternating new-episode weeks with the [ARRL The Doctor is In](#) podcast.

So Now What? is sponsored by [LDG Electronics](#), a family owned and operated business with laboratories in southern Maryland that offers a wide array of antenna tuners and other Amateur Radio products. ARRL Communications Content Producer Michelle Patnode, W3MVP, and ARRL Station Manager Joe Garcia, NJ1Q, co-host the podcast. Presented as a lively conversation, with Patnode representing newer hams and Garcia the veteran operators, **the podcast will explore questions that newer hams may have and the issues that keep participants from staying active in the hobby.**

Some episodes will feature guests to answer questions on specific topic areas.

Listeners can find *So Now What?* on [Apple iTunes](#), [Blubrry](#), [Stitcher](#) (free registration required, or browse the site as a guest) and through the free *Stitcher* app for iOS, Kindle, or Android devices. Episodes will be archived on the ARRL website.

For Sale from Steve—K8SAS

Icom IC-7000 In Mint Condition

Was used as a backup base radio.

HF, UHF/VHF all Bands

Comes with:

Original mic, box, power cable, factory user's manual, RT Systems program.

\$750.00 FIRM

Contact Steve—K8SAS at

k8sas73@gmail.com

Thank You!

FAA Reauthorization Act Language Serves to Exclude Vast Majority of Amateur Radio Towers

from www.arrl.org

7/12/2019

Language in the Federal Aviation Administration (FAA) [Reauthorization Act of 2018](#) will exclude all but a small number of Amateur Radio towers from marking requirements. Thanks to action taken in 2017 and 2018 by ARRL, the bill's original language was amended to the extent that amateur towers, as well as residential towers used for over-the-air TV reception, were effectively exempted from marking requirements.

The topic was addressed at the annual "Ham Radio and the Law" forum at the [Dayton Hamvention®](#) this past May. Some key points from that presentation: (1) Towers covered by the rules are structures at least 50 feet tall that support an antenna and are located in a rural area or on farmland or immediately adjacent to such land. (2) According to the Act, the term "covered tower" does *not* include any structure that is adjacent to a house, barn, or other building, and "is within the curtilage of a farmstead or adjacent to another building or visible structure." ...

[More information](#) is on the ARRL website. <http://www.arrl.org/news/faa-reauthorization-act-language-serves-to-exclude-vast-majority-of-amateur-radio-towers>

Breakfast Club for Hams!

The Six-AM Door is always open every other Wednesday morning at Gyro George's, 5170 Northfield Rd. in Maple Heights.

Contact those below!

L.to R. KD8WCK, W8AZO, KG8DN, N8OOF, K8EUR, W2THU



Bryant Rascoll KG5HVO is the 2018 Young Ham of the Year

<https://www.arnewsline.org/yhoty>

NEW YORK – Bryant Rascoll KG5HVO, of Montgomery, AL, has been selected as the 2018 Bill Pasternak WA6ITF Memorial Amateur Radio Newsline Young Ham of the Year.

Bryant, 14, is the son of Tim and Lauren (KG5TQO) Rascoll. He is a member of the Montgomery Amateur Radio Club.

Bryant was first licensed as a Technician in May 2015. Within a short time, he earned his General ticket in August 2015. He became an Extra Class operator in November 2017.

Bryant says he was hooked on amateur radio after joining Boy Scout Troop 64 in New Orleans and taking the Radio merit badge. He says listening to a counselor's QSO with a station in the Netherlands during an ARRL DX contest fueled his desire to become a ham.

He was 11 years old at the time and decided to pursue and earn a Technician license. Bryant then visited the Jefferson Amateur Radio Club W5GAD in the New Orleans area – where he lived from 2015-2017.

He joined JARC and credits his many mentors there for exposing him to several aspects of the hobby, including radio contesting, CW, Field Day, special event stations, public service events, hamfests and conventions.

Bryant's passion for contesting prompted him to enter the 2017 Dave Kalter Youth DX Essay Contest. He says the committee was so impressed by his essay that they invited him to join the Youth DX Adventure team for an August 2017 trip to operate from Costa Rica. ...



Bryant Rascoll, KG5HVO, Montgomery, AL, participates in the 2018 World Radiosport Team Championship in Wittenberg, Germany in July 2018. (photo provided by KG5HVO)

LEARA — The Lake Erie Amateur Radio Association

50 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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