



The VOX



The Official *On-Line* Newsletter of the
Lehigh Valley Amateur Radio Club - W3OI / KB3SYV
Allentown, Pennsylvania (Lehigh County) - USA

2021 Officers

President: **Myles Bodisch** - KB3ZMA (KB3ZMA@gmail.com)
Vice President: **Jeff Bauer** - WA3PNY (BAUERJV@MAC.COM)
Secretary: **Phillip Bigg** - KB3HMK (philbert17@ptd.net)
Treasurer: **Paul Ryan** - N0KIA (paul.f.ryan@gmail.com)

HAPPY
2021

2021 Board of Governors

John Bartos - AB3LZ (e03145jab@gmail.com)
Matthew Kriebel - KB3UZE (kriebz@gmail.com)
Mark Miller - AK3M (AK3M@rcn.com)
Rick Pearce - KC3EXO (rickp.127@gmail.com)
Rod Wolfe - N3XG (n3xg.radio@gmail.com)

HAPPY
2021

VOX Editor - **Mark S. Miller (AK3M)** ---- (AK3M@rcn.com)

LVARC Repeaters

146.34 / 146.94 (PL 71.9)
147.735/147.135 (DCS 315)*
147.420 (Club Simplex Freq.)
445.025 W3OI D-Star "B" module
147.165 W3OI D-Star "C" module

LVARC/RACES/ARES Net

**Every Monday at 7:30p (ET)
on the 94 repeater.**

* 147.735/147.135 (DCS 315) Automatic Mode Select. Analog * FM or YSF, Yaesu System Fusion),
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Many club announcements will be heard there.

The January LVARC “**Virtual Meeting**” will be held on **Tuesday January 5**, 2021 using **ZOOM** at **7:30p** (local time).

The scheduled program:
“FCC Field Exposure Guidelines” (Part 1) by John (AB3LZ)

The LVARC holds it's monthly meetings on the **FIRST TUESDAY** of every month On Line using **ZOOM** at **7:30p** Eastern time until further notice.

LVARC TEST SESSIONS

The LVARC has had to change its test session schedule due to Covid. Test sessions will be scheduled when 8-10 applicants are on the waiting list.

Contact Mark Miller (AK3M) at AK3M@rcn.com for details.

REGISTRATION IS REQUIRED

If you have questions, contact Mark (AK3M) at AK3M@rcn.com

January 2021 LVARC Program

January 5 - “FCC Field Exposure Guidelines” - John (AB3LZ) (Part 1)

January 19 (HON) - “FCC Field Exposure Guidelines” (Part 2)

Note: — Programs or topics are subject to change.



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
JANUARY					1 New Year's Day 2021	2
3	4 LVARC Net 7:30p WW3TRG	5 LVARC Meeting 7:30p via ZOOM	6	7 D-Star Net 7:00p	8	9
10	11 LVARC Net 7:30p AK3M	12	13	14 D-Star Net 7:00p	15	16
17	18 LVARC Net 7:30p KC3AFU	19 LVARC Activity Night via ZOOM	20	21 D-Star Net 7:00p	22 LVARC Test Session	23
24	25 LVARC Net 7:30p KB3UZE	26	27	28 D-Star Net 7:00p	29	30
31	2021					

2021 Dues Are Due

2021 dues are now due and can be paid:

- (1) via U.S. mail or
- (2) online from the W3OI website via Pay Pal.



Individual: **\$20.00**
Family: **\$25.00**
Student: **\$15.00**



U.S. mail checks to:

Paul Ryan
(N0KIA)
5814 Lindbergh St,
Orefield, PA, 18069



2021 New Year's Resolutions

Do your 2021 New Year's resolutions include the LVARC?

Maybe you will **submit something for the VOX**, participate in an **ARES activity**, check into the **Monday Night Net**, volunteer to present **something to the group**, become a **VE** and join the **LVARC VE team** or more. This is **your** club and it needs **your** support.

Holiday Radio Gift

If you received something ham radio related for Christmas, share it with the group.



Send a picture and description of your gift(s) to Mark (AK3M) at AK3M@rcn.com for inclusion in the VOX.

***** Welcome to the 2021 LVARC Officers and Board *****

2021 Officers

President: Myles Bodish (KB3ZMA)

Treasurer: Paul Ryan (N0KIA)

V.P. Jeff Bauer (WA3PNY)

Secretary: Phil Bigg (KB3HMK)



2021 Board of Governors

John Bartos (AB3LZ)

Matthew Kriebel (KB3UZE)

Mark Miller (AK3M)

Rick Pearce (KC3EXO)

Rod Wolfe (N3XG)



Do you have something to sell,
tell, share or offer the LVARC?

Send your VOX submission(s) to
Mark (AK3M) at ak3m@rcn.com.

A big TNX to Rod (N3XG) who created and organized the first annual LVARC September Sprint. Rod followed through the awards with the Certificate of Recognition pictured to the right.

This certificate shows a **very** nice design and was printed on excellent laminated stock. **TNX Rod!** (ed.).

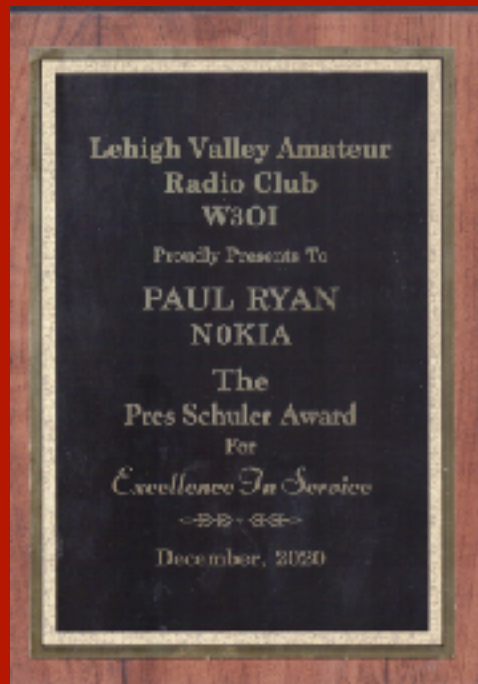


CONGRATULATIONS

Paul Ryan (N0KIA)

Paul is the 2020 Pres Schuler Award recipient which was announced at the December 1, 2020 meeting via ZOOM.

This award is presented annually to the LVARC member who has demonstrated, "***Excellence In Service to the LVARC***", as determined by the club members."



At the December 2020 meeting, four new members were voted in as LVARC members!

The LVARC proudly welcomes:

Jonathan Graham (KCQOV)
Alex Artau (KC3QOX)
Travis Brennan (AC3GS)
Lukas Medvecky (KC3QOY)

At the December 2020 meeting, LVARC V.P. Jeff Bauer (WA3PNY) was given KUDOS by president Bodish (KB3ZMA) for his work “behind the scenes.”



Cheer Up — Since December 22, 2020, the days have started to get longer (although not yet readily noticeable)!



Print an OFFICAL COPY of your License

1. Log into FCC system at <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>.

The FRN and password are the same you use when applying for Vanity callsigns and address changes.

If you don't know your FRN number, go to FCC ULS License Search and search for your callsign. Your FRN will be listed in the column FRN.

2. On the left side menu, click on 'Download Electronic Authorizations'.

3. On the new page, select the callsign you wanna print the license for and click on the button 'ADD '.

4. Now, on the bottom right of the page, click on the button 'Download >'. Make sure your pop-up blocker is disable, otherwise you won't be able to download the PDF for your license.

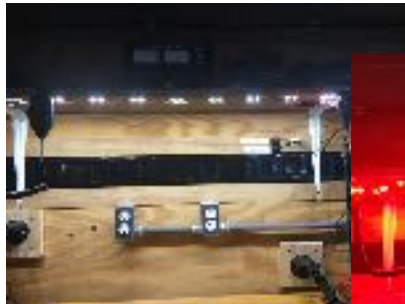
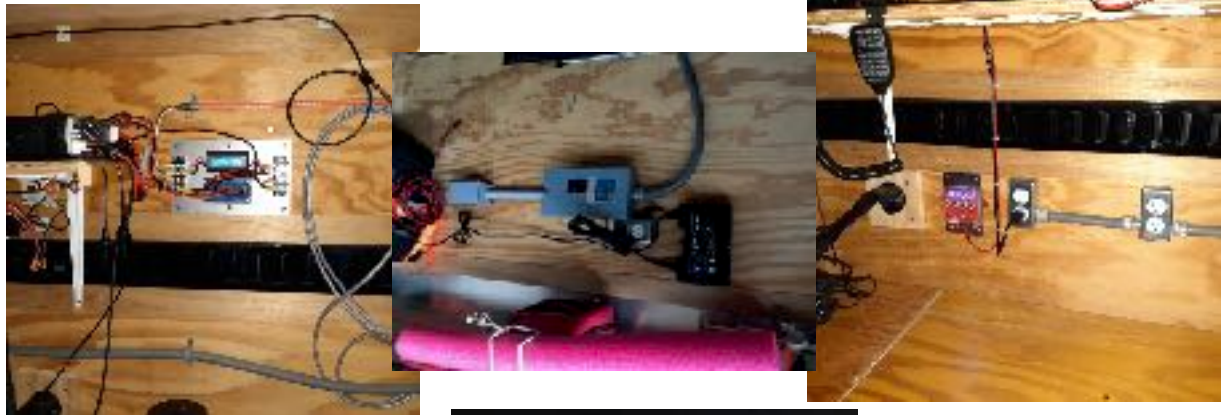
READER SUBMISSION

de Doug (N3WGH)

Work on the LVARC Communications Trailer Continues

Recognition for continued work goes to John (AB3LZ), Rick (KC3EXO) and Steve KS3RO).

Below are pictures of the progress of the trailer submitted by John (AB3LZ).



Before you take down that tree, return those socks, and put the holidays away for 2020, enjoy these Christmas traditions

Every year, we turn to favorite holiday traditions to bring good cheer. Here are fun facts about seven holiday traditions that have come to us from right in the U.S. and around the world.

1. **Christmas Trees:** The Christmas tree tradition came from Dutch and German immigrants to the United States, starting in the 1840s. The first Christmas tree lot was at Washington Market in New York City in 1851.
2. **Yule Log:** The yule log itself was part of Nordic solstice traditions. The 24-hour-a-day yule log on television debuted in 1966 on WPIX-TV in New York, as a seventeen second loop that repeated all day and all night.
3. **The Nutcracker:** The Nutcracker ballet premiered in St. Petersburg, Russia on December 18, 1892. It was first performed in the U.S. by the San Francisco Ballet in 1944.
4. **Holiday Sweater Parties:** Although holiday sweaters have been around for a long time, the trend of "ugly sweater" parties started in Vancouver, Canada in the early 2000s.
5. **Poinsettias:** Poinsettias are native to Central America. Their association with Christmas has its origins in a Mexican Christmas legend in which the flowers appeared in a nativity scene. John Roberts Poinsett, the first U.S. ambassador to Mexico brought the plants back to the U.S. in the 1800s.
6. **Window Candles:** A single, decorative candle in the window originated in Williamsburg, VA in the 1930s, as a way of signifying which historic buildings were open during the holiday season.
7. **Gingerbread:** Ginger sweet treats have been around for more than a thousand years, but the gingerbread man cookie came from the bakery of the royal gingerbread maker of Queen Elizabeth I in the 16th century. Gingerbread houses were popular in Germany around the same time. The popularity of gingerbread as a holiday treat is likely due to its warming and medicinal properties – perfect for the holiday season!

READER SUBMISSION

de Larry (NR3R)



LVARC Test Session

An FCC/LVARC test session is scheduled to be held on **Friday January 22, 2021**.

REGISTRATION IS NECESSARY. For details of time and location contact Mark (AK3M) at AK3M@rcn.com or call **610-428-4475**.



Don't Forget to register with ARES CONNECT for 2021

This will allow you to be acknowledged for checking in to the Monday Night Net and other ARES events and will help keep track of LVARC ARES events..



To register, go to:

<https://arri.volunteerhub.com/?format=Calendar&filter=All>.

It's that time of year when WX events cause power outages. If you do not have a generator, you can still stay on the air and monitor public service and repeater frequencies. Most HTs will allow you to monitor local commercial FM radio stations and the WX frequency (162.40MHz). Also, keep a working flashlight, manual can opener, blankets and food and water on hand for a few days.



PPL has a nice cell phone app that will let you see where outages are in their coverage area at any time. Go to <https://omap.prod.pplweb.com/OMAPI>.

A used car battery kept on a charger (Harbor Freight) or a jump start battery for your car, will keep your HT and phone charged for a few days.



Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes

Date: December 1, 2020

The meeting [December 2020] was called to order by President Bodisch at 1932 Hrs. (EST).

The meeting opened with a moment of silence for Silent Keys.

There were a total of 25 members in attendance, and the club was joined by 2 guests.

The following officers and Board Members were present at the meeting:

President – Myles Bodisch	Present
Vice President – Jeff Bauer	Present
Treasurer - Paul Ryan	Present
Secretary - Phil Bigg	Present
Board Members: John Bartos	Present
Mark Miller	Present
Rick Pearce	Present
Steve Olock	Present
Rod Wolfe	Present

Guests: Lukas Medvecky (KC3QOY) & Travis Brennan (AC3GS)

Corrections additions to the minutes: None noted

Motion to accept made by: Chuck – W3CDY

Seconded by: Rod – N3XG

Motion passed by voice vote: (Y/N) Y

Treasurer's Report: (Paul - N0KIA)

The report was presented

Motion to accept made by: John – AB3LZ

Seconded by: Doug – N3WGH

Motion passed by voice vote: (Y/N) Y

Committee Reports:

Repeater: Nothing to report

Program: Regina (N2RNA) was the presenter for tonight's meeting. It has been moved to next year due to added items to the agenda.

Volunteer Examiners: At the November 13 2020 test session, 8 tested and 7 passed.
Congratulations to Jonathan Graham (General), Travis Brennan (Extra), Alex Artau (Tech), Erin Banta (Tech), Larry Banta (Tech), Lukas Medvecky (Tech) and Jason Medina (Tech).

VEs in attendance included Mark (AK3M), Walt (KE3SP), Larry (NR3R), Don (N0VGA) and Doug (N3WGH).

The next test session is to be announced.

Because of COVID 19, the LVARC was unable to use Hanover Elementary School as a test site since March, 2020. The LVARC held 5 total test sessions in 2020. Hanover Elementary was used for the January and February test sessions and the club meeting site at the TCFC was used for the June, September and November test sessions.

The following dates and number tested for 2020 are:

<u>Date</u>	<u>Number tested</u>	<u>Site</u>
January 17	6	Hanover Elementary
February 21	4	Hanover Elementary
June 26	12	TCFC
September 18	15	TCFC
November 13	8	TCFC

Total tested in 2020 ————— **45** (In 2018, **21** were tested and in 2019, **12** were tested).

Nine different LVARC VEs helped out in 2020. They include **Mark** (AK3M), **Walt** (KE3SP), **Mike** (KC3BLF), **Carl** (AA3IX), **Larry** (NR3R), **Doug** (N3WGH), **Rod** (N3XG), **Don** (N0VGA) and **John** (AB3LZ).

Also, TNX to **Don** (N3HVL) for arranging acceptance to the TCFC room when needed and **Paul** (N0KIA) who both were available for opening and closing the building.

ARES / RACES: Due to COVID 19, **NO** ARES events were held in 2020. The LVARC ARES program provided no communication support for community events this year.

Club Station / Trailer: John showed the members some pictures of the work that has been done to trailer so far. Thanks goes out to John (AB3LZ), Rick (KC3EXO), Steve (KS3RO) and Myles (KB3ZMA) for their work done to the trailer.

Communications: Nothing to report

Old Business: Myles is finishing up the presentation schedule for 2021. Let Myles know if you have an idea for a program or would like to do a presentation.

April 6, 2021 is the proposed in person meeting for the club. This will depend on the pandemic.

Myles asked for members to be on a committee to look into how to invest club funds. The following members have volunteered to be on this committee. They are Steve (K2OPA), Jeff (WA3PNY), John (AB3LZ) and Steve (KS3RO). Paul will offer his services if needed.

A question was raised at last month's meeting regarding if the ARRL has insurance for the equipment in the trailer. The ARRL does not have any kind of insurance for the equipment that is in the trailer. The trailer is covered under the persons insurance that is towing it.

Steve (K2OPA) showed a preliminary copy of a certificate and club ID card. He is looking a way to be able to input the data into the document. If anyone knows how to do this, let him know. He will send a final copy to the board.

The results of the elections for the 2021 board positions were announced. They are as follows:

Matt – KB3UZE
Rick – KC3EXO
Rod – N3XG
Mark – AK3M
John – AB3LZ

New Business: The club added some equipment to our insurance policy. The fee did go up, but not by much.

There has been another donation of amateur equipment. It's from the family of a silent key.

Due to the pandemic, this year's Christmas party has been cancelled.

Recently, Paul (& Shirley) Derr (W3ROH) offered his station equipment to the LVARC membership through his brother, Lee, to retire his station. Although they were offered at no charge, Karl Seibert (KC3DJY) would like to donate \$100 to LVARC on behalf of Paul Derr who was at one time a member of LVARC.

New members were voted in. They are as follows:

New Member Applicants

Name: Jonathan Graham
Callsign: KC3QOZ
Motion to accept by: Steve – KS3RO
Seconded by: Steve – K2OPA
Motion passed by voice vote: Y

Name: Lukas Medvecky
Callsign: KC3QOY
Motion to accept by: Carl – AA3IX
Seconded by: John – AB3LZ
Motion passed by voice vote: Y
Name: Alex Artau
Callsign: KC3QOX

Motion to accept by: John – AB3LZ
Seconded by: Tom – WW3TRG
Motion passed by voice vote: Y

Name: Travis Brennan
Callsign: AC3GS
Motion to accept by: Doug – N3WGH
Seconded by: Steve – K2OPA
Motion passed by voice vote: Y

Good of the Order: There will be a raffle after the meeting.

The Pres Schuler award will be presented after the meeting.

Chuck (W3CDY) noted that December 5 is Skywarn recognition day. The event will run from 0000 Zulu to 2400 Zulu time. For more info, go to www.weather.gov/crh/skywarn recognition.

Mark thanked the club for the certificate he received for the September Sprint contest. It was well done.

Myles would like to recognize Jeff (WA3PNY) this month for all that he does for the club.

Sick Report: Nothing to report

The LVARC Monthly Business Meeting Closed at 2042 hrs. (EST.)

Motion to accept made by: Steve – K2OPA

Seconded by: Chuck – W3CDY

Motion passed by voice vote: (Y/N) Y

Respectfully Submitted de KB3HMK, Secretary.



How's Your CW?



Happy New Year

FOR SALE

GALAXY DX 94HP - "ALMOST NEW CONDITION"

10 METER AMATEUR MOBILE TRANSCEIVER WITH:
BUILT IN SWR - FREQUENCY COUNTER & LINEAR

ORIGINALLY PRICED OVER \$400.00

ASKING a FAIR and FIRM \$315.00 for BOTH the DX 94HP & Astatic Road E Power Mic

SERIOUS INQUIRIES ONLY PLEASE:
CALL 610-867-4024..... ask for STEVE



"EXCELLENT SHAPE"

"THE ORIGINAL" PRESIDENT JACKSON AM-FM-SSB TRANSCEIVER with:
AM-FM-USB-LSB — CHANNELS A-B C-D-E DIGITAL DISPLAY..ECHO..& MORE

Original Owner: ALWAYS UTILIZED as Home Base Unit

Comes with:

- 1- SILVER EAGLE BATT MIC (SIDE AND BOTTOM TRANSMIT BARS)
- 2- PIAC III REGULATED POWER SUPPLY 13.8V 7AMP
- 3- WAWASEE SWR 20-200-2000-SWR ; RF LEVEL; FWD-REV; KHZ; DIGITAL METER

No Pictures Available

ORIGINAL PURCHASE PRICE of Pres J. WAS OVER \$800.00

ASKING A FIRM AND FAIR \$400.00 for everything listed here

(610)867-4024 ask for STEVE

Serious inquiries only



An Oldie But A Goodie!

TNX to Pete (NL7XM), below you will find Pres Schuler's QSL card.
Pres later became W3VQ.

626 N. Poplar
1141 GREEN STREET — ALLENTOWN, PA., U. S. A.
Radio W8JRR UR sigs QSA 5 when wkd 1-1-35 at 1403 S. T.
W3BYF
Dx 47count Scott
Xmtr: cc. 50page ckt. pp 101 tube 600 volts on plate
Remarks same pool Q50 Gm es hyper cnc
PSE QSL TNX (over) Preston R. Schuler
23



TNX for the memories Pete!

READER SUBMISSION

Read the FCC RF Safety Rules

FCC Requires Amateur Applicants to Read the RF Safety Certification.

The certification statement is: "I have READ and WILL COMPLY with Section 97.13(c) of the Commission's Rules regarding RADIOFREQUENCY (RF) RADIATION SAFETY and the amateur service section of OST/OET Bulletin Number 65."

TNX to John (AB3LZ) for sharing this information. He received the following information after renewing his license. I will also print a few of these to take to VE sessions.

You can also see this on the ARRL website at: <http://www.arrl.org/files/file/VEs/RF%20safety%20Info%20Jan%202019%20vec.pdf>

ADDITIONAL INFORMATION FOR AMATEUR RADIO OPERATORS

FCC Requires Amateur Applicants to Read the RF Safety Certification

The FCC requires all applicants to read the RF Safety Certification. Unfortunately, FCC has not provided this additional information in any of their instructions. As a courtesy, the ARRL VEC has provided the information you will need to read and must comply with.

The certification statement is: "I have READ and WILL COMPLY with Section 97.13(c) of the Commission's Rules regarding RADIOFREQUENCY (RF) RADIATION SAFETY and the amateur service section of OST/OET Bulletin Number 65."

FCC Rules and RF Safety Bulletin

FCC Section 97.13(c) reads: *Before causing or allowing an amateur station to transmit from any place where the operation of the station could cause human exposure to RF electromagnetic field levels in excess of those allowed under §1.1310 of this chapter, the licensee is required to take certain actions.*

1. The licensee must perform the routine RF environmental evaluation prescribed by §1.1307(b) of this chapter, if the power of the licensee's station exceeds the limits given in the following table:

Wavelength Band & Evaluation Required if Power* (watts) Exceeds		
MF/HF 160m - 40m = 500 watts 30m = 425 watts 20m = 225 watts 17m = 125 watts 15m = 100 watts 12m = 75 watts 10m = 50 watts	VHF all bands = 50 watts UHF 70cm = 70 watts 33cm = 150 watts 23cm = 200 watts 13cm = 250 watts	SHF all bands = 250 watts EHF all bands = 250 watts
- Repeater stations (all bands) non-building-mounted antennas: height above ground level to lowest point of antenna < 10 m and power > 500 W ERP - Building-mounted antennas: power > 500 W ERP * Power = PEP input to antenna except, for repeater stations only, power exclusion is based on ERP (effective radiated power).		

2. If the routine environmental evaluation indicates that the RF electromagnetic fields could exceed the limits contained in §1.1310 of this chapter in accessible areas, the licensee must take action to prevent human exposure to such RF electromagnetic fields. Further information on evaluating compliance with these limits can be found in the FCC's OET Bulletin 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields."

The Amateur Section of OET Bulletin Number 65:

In the FCC's Report and Order, certain amateur radio installations were made subject to routine evaluation for compliance with the FCC's RF exposure guidelines.¹ Also, amateur licensees will be expected to demonstrate their knowledge of the FCC guidelines through examinations. Applicants for new licenses and renewals also will be required to demonstrate that they have read and that they understand the applicable rules regarding RF exposure. Before causing or allowing an amateur station to transmit from any place where the operation of the station could cause human exposure to RF radiation levels in excess of the FCC guidelines amateur licensees are required to take certain actions. A routine RF radiation evaluation is required if the transmitter power of the station exceeds the levels shown and specified in 47 CFR

§ 97.13(c)(1)² (see above). Otherwise the operation is categorically excluded from routine RF radiation evaluation, except as a result of a specific motion or petition as specified in Sections 1.1307(c) and (d) of the FCC's Rules, (see discussion in Section 1 of Bulletin 65 for more information).

The Commission's Report and Order instituted a requirement that operator license examination question pools will include questions concerning RF safety at amateur stations. An additional five questions on RF safety will be required within each of three written examination elements (for Technician, General and Extra written exams).

When routine evaluation of an amateur station indicates that exposure to RF fields are or could be in excess of the exposure limits specified by the FCC (see Bulletin 65, Appendix A (on reverse side)), the licensee must take action to correct the problem and ensure compliance (see Section 4 of Bulletin 65 on controlling exposure). Such actions could be in the form of modifying patterns of operation, relocating antennas, revising a station's technical parameters such as frequency, power or emission type or combinations of these and other remedies.

READER SUBMISSION

John (AB3LZ)

ARRL VEC October 2016

FOR SALE

Yaesu FT-840
MFJ -935 tuner
Vectronics paddle
J8 type straight key
Homebrew tuner
\$250 sold as a package

Contact Myles KB3ZMA
KB3ZMA@gmail.com



**Vectronics paddle
J8 type straight key**



Homebrew tuner and MFJ -935 tuner

A Complete HF Station at a Terrific Price!

**PRICE
REDUCED**

10 TAKEAWAYS FROM THIS VOX

1. The January LVARC meeting will be held using ZOOM on **Tuesday January 5** at **7:30p**
2. New 2021 board members
3. **2021 dues now due**
4. Print an **Official Copy** of your license
5. Work on the LVARC comms trailer continues
6. **CONGRATULATIONS** to the 2020 LVARC Pres Schuler Award recipient
7. Register with ARES CONNECT for 2021
8. **READ the FCC RF Safety Certification**
9. For sale
10. January 2021 LVARC test session

A festive background featuring a white sign that says "HAPPY NEW YEAR" in large, bold letters. The sign is surrounded by colorful confetti, streamers, and party decorations. The text "The officers and board of the LVARC wish all a Happy New Year 2021!" is overlaid in a large, blue, sans-serif font.

**The officers and board
of the LVARC wish all a
Happy New Year
2021!**