



The Vox



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Officers

President: [John Bartos](#), AB3LZ
Vice President: [Chuck Ballard](#), WB6CDY
Secretary: [Mike Mandell](#), KC3BLF
Treasurer: [Brian Snyder](#), KB3QHA

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[Rodney Wolfe Jr.](#), N3XG
[Paul F Ryan](#), NOKIA
[Phillip W Bigg](#), KB3HMK
[David Jenkins](#), KC3BFO
[Rick Pearce](#), KC3EXO

Communications

VOX Editor: [John Hilderbrand](#), WB3DX
Webmaster: [John Borchers](#), W3AMD
Webmaster: [Igor Kasriel](#), KC3ASC

I would like to wish all the members of the LVARC a healthy and happy New Year. 2018 should be a busy and exciting year for the club. The LVARC will be 90 years old in 2018 and we will be planning a birthday celebration. Details will be coming at a later date.

We once again have a full schedule of ARES events. Please try to find time to participate. The organizations we support greatly appreciate our efforts and the events are fun. In addition volunteers for club related events are entered in our annual year end participation raffle. Lots of great prizes. Details of the participation raffle are detailed on the club web site at the following link:

<http://www.w3oi.org/documents/policies/TicketPolicy.pdf>

I hope to see everyone at monthly meetings. We are working on a lineup of interesting presentations.

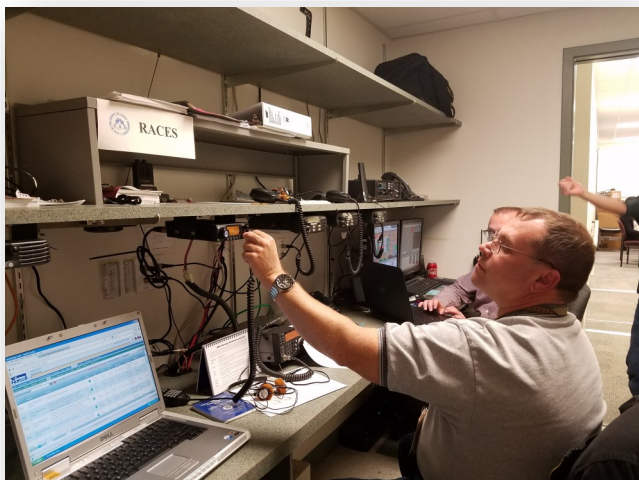
Happy Holidays & 73!!!

John (SB3LZ)

Happy Holidays!

News

Limerick Drill at the Lehigh County EOC



On Tuesday, November 14th Lehigh County Emergency Management participated in the bi-annual Limerick Generating Station Drill. Disaster drills with evacuation scenarios are required by the Federal Government for Nuclear Power Plants. Limerick is located in Montgomery County and if a plant emergency required evacuation of the population, neighboring counties would host reception stations for the evacuees. As Lehigh County has two reception stations, the Emergency Management Agency would be tasked to its fullest capabilities.

The drill tests multiple agencies in their ability to carry out plans based on scenarios and injects that are designed by the FEMA and PEMA to measure the effectiveness of the plan and the ability to adapt to changing situations. Amateur Radio Operators are a requirement to the preparedness plan, as we have to demonstrate the ability to establish communications links. Each year the level of participation is dictated by the proposed scenario and can vary from a full-scale mobilization of resources in real time to staged events that are tested "out of sequence".

This year's exercise required Lehigh County to fully activate their EOC and provide two amateur radio operators. Mike KC3BLF and I represented amateur radio in the EOC and were prepared to provide real or simulated response based on the needs of the scenario. In this case, the elevator asked us to establish redundant communications and provide a schedule for the first 24-hour operational period. Mike called a net on 94 for the purpose of creating a simulated schedule for amateur operators at both the EOC and the reception station. Had this been a real event, our first step would be to send an available amateur operator to the site and begin to fill the schedule for relief in both the EOC and the reception center. Ideally, we would want to work between 8-10 hour shifts, with 12 being the maximum.

While Mike was developing a duty roster, I made contact with the Berks EOC on VHF and established Lehigh County as part of their net and copied all traffic from Berks EOC. The traffic was redundant to the information that we were receiving in live time from PEMA, but if those communication lines would have been lost, we would still have had a link to another EOC. We also checked into the PEMA HF net as Lehigh County.

While we had a very successful drill, as ARES we had some opportunities for improvement. The first one was participation. While we could have easily made multiple club and net announcements about this drill, I decided that one announcement was all that was needed to test our ability to organize available participants. The turn out was rather poor, and this was expected and confirmed our need for alternate means of emergency notification, other than 94. We will work on voluntary text and phone notifications and a phone tree for future events.

Continued on page 3

News

Limerick Drill at the Lehigh County EOC

Continued from page 2

The second area in need of improvement was the noticeable lack of familiarity of the EOC Amateur Radio Equipment. After we connected coax, and found the correct power supplies, we were operational. Although not too difficult to overcome, minutes may matter and not being familiar with equipment leads to frustration during an crisis. We have been offered the ability to use the EOC equipment to run Monday night nets. While this is not something that would be a weekly occurrence, we will look at a Quarterly rotation of the NCS Operators so that the surroundings and equipment are as familiar as a home station.

The third observation is more of a reminder of our core function. Precise and accurate traffic handling. Although we did not send any traffic, we did have the opportunity to receive traffic. Our year-long traffic handling exercise prepared me for that portion of the drill. As a testament to our group's ability, I was able to not only record the inbound traffic, but also recognize that the sending station was not following the same format with each message. This is not to slight the sending stations, because not all ARES groups are prepared for official traffic. Practice traffic needs to occur at least once a month so that we do not lose the skills that we worked so hard to develop.

And here then, is the Limerick:

There once was a ham at a drill,
Who gave everyone great thrill,
By keying the mic
And announcing the dike
had broken and flooded the village downhill.

de Rodney N3XG

Lehigh County RACES Coordinator.

Lehigh County ARES EC

News

Changes to the Constitution and Bylaws

Submitted for publication in The Vox by Paul F Ryan, NOKIA

----- QUOTE -----

These are the three changes to the Constitution and Bylaws that were read at the November 2017 General Meeting. They are being published in the VOX as a convenience to the membership.

Item 1: CONSTITUTION ARTICLE VI, Section 6

CURRENT WORDING:

To be nominated, all officers and members of the Board of Governors must hold an amateur license higher than novice class; must be 18 years of age or older; must meet requirements stated in Article 1 of the Bylaws; must have attended at least one meeting per calendar quarter for the preceding twelve months or at least six meeting total for the current membership year.

PROPOSED WORDING:

To be nominated, all officers and members of the Board of Governors must hold an amateur license higher than novice class; must be 18 years of age or older; must meet requirements stated in Article 1 of the Bylaws; must have attended at least one meeting per calendar quarter for the preceding twelve months prior to the December elections or at least six meetings total for the preceding twelve months prior to the December elections.

Item 2: BYLAWS, ARTICLE II, Section 2 Function

CURRENT WORDING:

All corporation agreements, contracts, drafts, bonds, bills of exchange, notes and orders of payment of monies, shall, unless otherwise required by law or permitted by the Bylaws, be approved by the Board of Governors. However, payments specifically listed in attachment A shall not require prior Board approval.

PROPOSED WORDING:

All corporation agreements, contracts, drafts, bonds, bills of exchange, notes and orders of payment of monies, shall, unless otherwise required by law or permitted by the Bylaws, be approved by the Board of Governors. Expenditures above 10% of the treasury balance shall be brought to the club membership for prior approval at a general meeting. However, payments specifically listed in attachment A shall not require prior Board approval.

Item 3: BYLAWS ARTICLE II, Section 5 Approval

CURRENT WORDING:

Any action taken by the Board of Governors shall be subject to the approval of the majority of members at the general meeting. In the event that any action taken by the Board of Governors is to be questioned, such action may be brought to the floor at the general meeting for discussion and voted on the action.

PROPOSED ACTION:

Delete in toto.

----- UNQUOTE -----

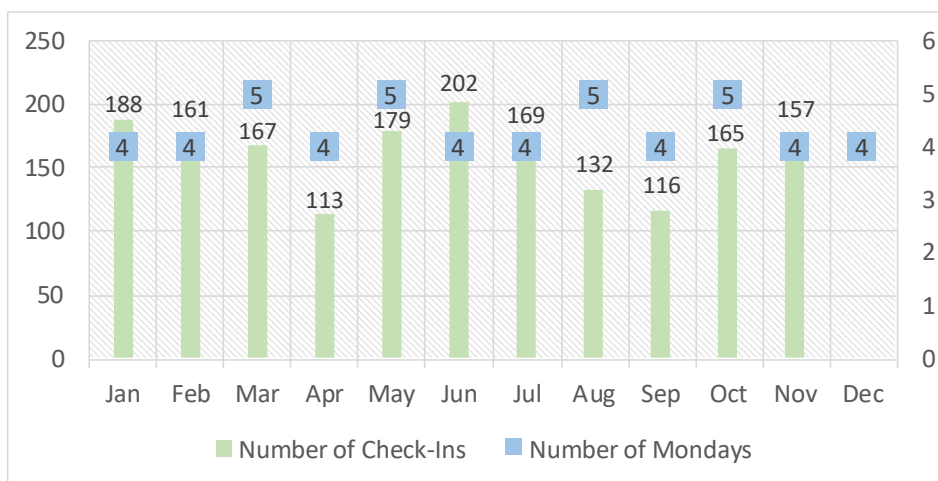
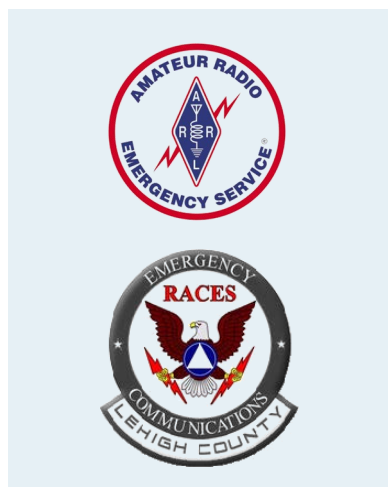
Congratulations!

2017 Pres Schuler Award



Kenneth Bass was awarded the 2017 Pres Schuler Award. Kenny is a regular volunteer for ARES events and club work parties. He always looks for ways to support the LVARC. Kenny has assumed the duties of 50/50 raffle coordinator, In addition to running the raffle at meetings, he has supplied a variety of interesting auxiliary gifts in addition to the monetary prize. He has provided these gifts at his own cost. Kenny has demonstrated the true spirit of amateur radio service and it was with great honor and pleasure that he was awarded the 2017 Pres Schuler award.

Monday Night Traffic Net



On Monday nights at 7:30pm the club has a different kind of 'meeting' on the air called a traffic net. Members and non-members can check in and hone their emergency traffic handling skills as part of the net. The net takes place on the primary repeater used by the club on 146.94 Mhz. Messages, bulletins and traffic are handled by the net control station. Tune in for announcements of upcoming meetings and club events.



Check-Ins Every Monday Night
LC/LVARC/RACES Net on
146.94 (PL 71.9)

Alternate frequency on
147.735/147.135 (DCS 315)

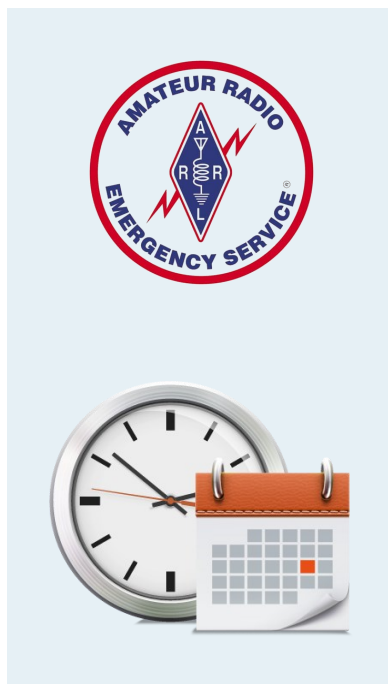
The Net begins at 7:30 p.m. ET

LVARC Repeaters
146.34 / 146.94 (PL 71.9)
147.735/147.135 (DCS - 315)
Club Simplex Frequency - 147.420

2017 Monday Night Check-In Summary

Month	Count	Days
January	188	5
February	194	4
March	167	4
April	113	4
May	179	5
June	202	4
July	169	5
August	132	4
September	116	4
October	165	5
November	157	4
December		4

ARES Event Schedule



2018 ARES Events			
Location	Time	Date	✓
St. Luke's/Lehigh Valley Road Runner's Half Marathon	TBD	Sunday, April 22 rd	✓
Hanover Township Spring 5K	TBD	Saturday, June, 2 nd	✓
VIA Marathon	TBD	Sunday, September 9 th	✓
Women's 5K Classic	TBD	Saturday, October 6 th	✓
D&L Rail Trail Half Marathon	TBD	Sunday, November 4 th	✓
Penn State "Thon" 5K Hanover Township	TBD	Sunday, November 4 th	✓

"Its not too early to mark your calendar for thesis events. Listen to the Monday Night Net and read the VOX for details of these events. The LVARC has a strong ARES program because of you! Lets keep it going. If you have never volunteered to offer communications support for a community event, 2018 is your year to start. Your help is needed." Mark, AK3M

Contact Mark (AK3M) if you have any questions or want to volunteer for one or all of these events at AK3M@rcn.com.

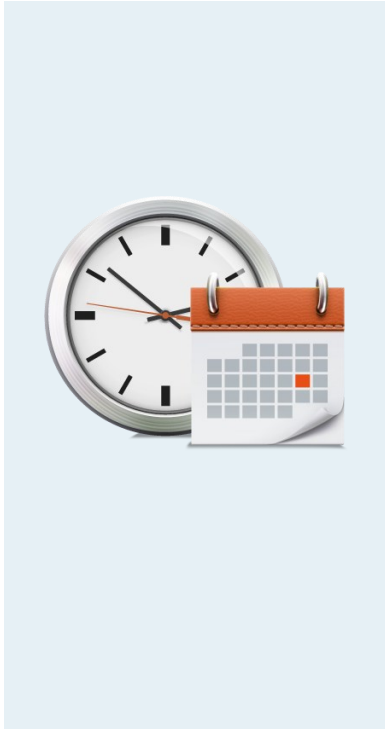
ARES Report



The two ARES events on November 5, 2017, marked the last events of the 2017 LVARC ARES season. I am already looking forward to another successful ARES year in 2018. Above is the tentative ARES Event Schedule for 2018.

Mark, AK3M

LVARC VE Schedule



2018 LVARC Test Sessions			
Location	Time	Date	✓
Hanover Elementary School	6:30 p.m.	Friday, January 19 th	✓
Hanover Elementary School	6:30 p.m.	Friday, February 16 th	✓
Hanover Elementary School	6:30 p.m.	Friday, March 16 th	✓
Hanover Elementary School	6:30 p.m.	Friday, April 20 st	✓
Hanover Elementary School	6:30 p.m.	Friday, May 18 th	✓
LVARC Field Day site	2:00 - 4:00 p.m.	Saturday, June 23 rd	✓
Summer Break		No Test Session	
Summer Break		No Test Session	
Hanover Elementary School	6:30 p.m.	Friday, September 21 st	✓
Hanover Elementary School	6:30 p.m.	Friday, October 19 th	✓
Hanover Elementary School	6:30 p.m.	Friday, November 16 th	✓
Hanover Elementary School	6:30 p.m.	Friday, December 21 st	✓

"At the November 17, 2017 test session, two tested and two passed." Mark, AK3M

LVARC VE Report



VE and ARES Year End Review

VE REPORT

- Six test sessions.
- Test 12 people.
- Earned \$91.00 for the LVARC VE fund.

ARES REPORT

- Six ARES events.

Volunteer Examiners

Date: The next VE test session will be on Friday, January 19, 2018
 Location: Hanover Elementary School at 6:30 pm.
 Registration: Contact Mark (AK3M) at AK3M@rcn.com.
 Enrollment: The deadline to register is Sunday, January 14, 2017.

Report:



Technician license and Zac Rutledge passed with his Technician and General license. They received their licenses on November 27, despite the Thanksgiving holiday. Gary received the call KC3KIF and Zac earned the call KC3KIG. VE's in

At the November attendance included Mark (AK3M), Don (NOVGA) and Doug (N3WGH). The next session, two test session will be Friday December 15, 2017. One has already registered for that session. To register, contact Mark (AK3M) at AK3M@rcn.com.

Name	Call	Class
Gary Raub	KC3KIF	Technician
Zac Rutledge	KC3KIG	General

Club Station

W30I
Amateur Radio



Club Schedule Update

The club station will be open:

Tuesday, January 16th at 7:30 pm

Communications



Update

At the last Board of Governors meeting there was a consensus that The VOX should be published later in the month. Some of the BOG thoughts were:

1. It's publication would serve as a reminder of the upcoming meeting.
2. At meetings we ask for corrections and comments on the meeting minutes published in the VOX, The meeting minutes would be fresher in members mind.
3. It allows more time to add items that may be discussed at the next meeting.
4. It gives contributors more time after meeting to supply content.

Beginning January 2018 The Vox will be published on the last Tuesday of the month, one week before the next meeting

John, WB3DX

LVARC Meeting and Club Station Schedule



LVARC Meeting and Club Station Schedule for 2018





january 2018

sunday	monday	tuesday	wednesday	thursday	friday	saturday
	1 ARES/RACES Net 7:30 pm	2	3 LVARC Meeting District 2 RACES Net 7:30 pm 147.255	4	5	6
7	8 ARES/RACES Net 7:30 pm	9	10 District 2 RACES Net 7:30 pm 147.255	11	12	13
14 Deadline to Schedule VE Test	15 ARES/RACES Net 7:30 pm	16 Club Station 7:30 pm	17 District 2 RACES Net 7:30 pm 147.255	18	19 VE Test Session Hanover Elem. School 6:30 pm	20
21	22 ARES/RACES Net 7:30 pm	23	24 District 2 RACES Net 7:30 pm 147.255	25	26	27
28	29 ARES/RACES Net 7:30 pm	30	31 District 2 RACES Net 7:30 pm 147.255			
31						

notes

- There are no scheduled hands-on nights for 2018. However, the club station will be open for selected third Tuesday nights.
- The January presentation will be **"Stealth Antennas"** by Chuck Ballard, W3CDY.
- The club station will be open on Tuesday, January 16th at 7:30 pm.
- The January club meeting will be on January 3rd at 7:30 pm, not on January 9th.

LVARC December 2017 Minutes

Tuesday, December 5, 2017

19:30

Tri-Clover Fire Company, Orefield, PA

12/5/2017

Opening:

The regular meeting of the Lehigh Valley Amateur Radio Club was called to order at 7:30 on Dec 5 by President Bartos.

There were a total of 20 members in attendance, and the club was joined by 2 guests.

Guests: Regina, N2RNA and husband Chip

The following Board Members were present at the meeting: John Bartos, Chuck Ballard, Mike Mandell, Paul Ryan, Rick Pearce, Dave Jenkins, Phil Biggs

Approval of Minutes

The minutes of the previous meeting were unanimously approved as distributed.

Moved: Walt, KE3SP

Second: Don, NOVGA

Treasurer's Report (Brian-KB3QHA)

Treasurer's report was read.

Motion to approve: Chuck, W3CDY

Second: Rick, KC3EXO

Motion carried

Committee Reports

Repeater:

Rod, N3XG was told by Jeff Kelly that the amateur repeaters will be segregated at the repeater site, so we will have access to this area. A work order has been cut to repair the Dstar duplexer.

Program:

Tonight John, AB3LZ will present on FT8 digital

Volunteer Examiners:

Mark, AK3M reported that on the Nov 17 test session two were tested and passed. Gary, KC3KIF passed technician and Zac, KC3KIG passed technician and general. Three are already signed up for the Dec 17 session.

ARES:

The ARES program for 2017 is over. First event of 2018 will be the St Luke's Half Marathon on April 22.

Communications:

No issues reported.

Club Station:

This Thursday John, AB3LZ is scheduled to transfer the trailer title to the club. We will meet to decide how we want to utilize the trailer going forward.

Old Business:

Paul, N0KIA, read the proposed changes to the constitution and by-laws for the second of three required readings. Paul also asked for participation lists for the drawing at the Christmas party on December 19.

New Business:

None

Good of the Order:

John, AB3LZ showed the copy of the club charter which shows ARRL chartered LVARC in 1928. Paul brought up that if a station transmits "testing" there is no reason to respond. John mentioned checking in as

"portable" improperly.

Sick Report:

None

New Member Applicants:

None

Adjournment:

Meeting was adjourned at 8:06PM

Moved: Chuck, W3CDY

Seconded: Andy, KC3EKA

Carried

Minutes submitted by: Mike, KC3BLF

[Click to search for ARRL Hamfests and Conventions](#)



LVARC Classified



$$f = \frac{1}{2\pi\sqrt{LC}} \quad \lambda = \frac{c}{f} \quad f = \frac{1}{2\pi\sqrt{LC}} \quad \lambda = \frac{c}{f} \quad f = \frac{1}{2\pi\sqrt{LC}}$$

For Sale - from the shack of Rodney, N3XG.

Amplifier

Skywalker 500 watt HF Amp. **\$300.00**

Amp is in perfect working order, 160 - 10 meters.

Contact Rodney N3XG.RADIO@gmail.com for availability and sales.

$$f = \frac{1}{2\pi\sqrt{LC}} \quad \lambda = \frac{c}{f} \quad f = \frac{1}{2\pi\sqrt{LC}} \quad \lambda = \frac{c}{f} \quad f = \frac{1}{2\pi\sqrt{LC}}$$