



The VOX



The Official *On-Line* Newsletter of the
Lehigh **V**alley **A**mateur **R**adio **C**lub - W3OI / KB3SYV
Allentown, Pennsylvania (Lehigh County) - USA

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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.
ALL are welcome to check in!

The **July** LVARC meeting will be on **Tuesday July 2, 2019** at the Tri-Clover Fire Company in Orefield at **7:30p local time**.

The scheduled program includes “Quartzfest” by Al Wiemann (W3CE)

Plan to attend!

The LVARC holds it's monthly meetings on the **FIRST TUESDAY** of every month at the **Tri-Clover Fire Company** in Orefield, Pennsylvania at 7:30p local time.

LVARC TEST SESSIONS

The LVARC holds monthly test sessions on the third Friday of every month. The test is held at Hanover Elementary School at 3890 Jacksonville Road in Bethlehem, PA at **6:30p**.

REGISTRATION IS REQUIRED.

To register, contact Mark (AK3M) at AK3M@rcn.com or call 610-428-4475.

There will be **NO** test sessions at the school in June, July and August. Testing at Hanover Elementary on the third Friday of the month will resume in September.

NOTICE

The LVARC radio shack is open for use on the third Tuesday of the month **BUT** you **MUST CONTACT JOHN (AB3LZ) FIRST**. John can be contacted at (e03145jab@gmail.com).

Q. How many U.S. flags are there on the moon?

A. There are six **U.S. flags** on the **moon** planted by the Apollo astronauts (Apollo 11, 12, 14, 15, 16, and 17).



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 LVARC Net 7:30p	2 LVARC Meeting 7:30p	3	4 July 4 	5	6
7	8 LVARC Net 7:30p	9	10	11	12	13
14	15 LVARC Net 7:30p	16 *LVARC radio shack open	17	18	19 NO TEST SESSION	20 LVARC picnic 
21	22 LVARC Net 7:30p	23	24	25	26	27
28	29 LVARC Net 7:30p	30	31	JULY 2019		

2019 ARES Event Schedule

(Mark your calendar as volunteers are needed)

September 8 (Sunday) — VIA Marathon

October 5 (Saturday) — Women's 5K Classic

**November 3 (Sunday) — Delaware & Lehigh Heritage Half
Marathon Run/Walk**

November 3 (Sunday) — Penn State "Thon" 5K in Hanover Twnsp.

(Contact Mark (AK3M) to volunteer) - AK3M@rcn.com



Upcoming 2019 LVARC Programs

July 2 - “*Quartzfest*” (Al Wiemann - W3CE)

August 6 - “*Ionizing Radiation*” (Check Ballard (W3CDY) & John Bartos (AB3LZ))

ANSWER
To the June VOX quiz

What do *Barbara Eden, Hall & Oats, Tony Bennett, Winston Churchill, Bob Hope, Billy Joel, Doris Day, Henry Winkler, Ozzie & Harriett Nelson, John Ratzenberger, Yo-Yo Ma, Jonathan Frakes, JFK, Bill Clinton, Seth Meyers, Amelia Earhart* (and more celebrities) have in common?

They all were guests at the Hotel Bethlehem!

RED CROSS DRILL

In June and July, the Red Cross will be having a, “Pre Shelter Training” exercise. The LVARC has been invited to participate. The scenario includes, “***DIRECT IMPACT- CAT 4 Hurricane hits the Lehigh Valley causing flooding, power outages and major damage from downed trees.***”

The dates and times (all local) of this drill will be:

Saturday - June 29, 2019 at 8:30a - 1200p

Monday evening - July 22, 2019 at 6:00p - 10:00p

Tuesday morning - July 23, 2019 at 8:30a - 12:30p



For more information about this event, contact Mike (KC3BLF) at mikemandell@hotmail.com or talk to Mike on the Monday Night Net.

U.S. Flag Trivia - THE 50-STAR PATTERN WAS CREATED BY A HIGH SCHOOL STUDENT! (source: <http://mentalfloss.com/article/50913/12-fun-facts-about-us-flag>).

The LVARC Event Summary

July 1 - Monday Night LVARC Net - 7:30p 146.940
July 2 - LVARC meeting at 7:30p at the Tri-Clover F.C.
July 8 - Monday Night LVARC Net - 7:30p 146.940
July 15 - Monday Night LVARC Net - 7:30p 146.940
**July 16 - LVARC radio shack open for use*
July 20 - LVARC Picnic
July 22 - Monday Night LVARC Net - 7:30p 146.940
July 22 - Red Cross drill (6:00p - 10:00p)
July 23 - Red Cross drill (8:30a - 12:30P)
July 29 - Monday Night LVARC Net - 7:30p 146.940

August 5 - Monday Night LVARC Net - 7:30p 146.940
August 6 - LVARC meeting at 7:30p at the Tri-Clover F.C.
August 12 - Monday Night LVARC Net - 7:30p 146.940
August 19 - Monday Night LVARC Net - 7:30p 146.940
**August 20 - LVARC radio shack open for use*
August 26 - Monday Night LVARC Net - 7:30p 146.940



September 2 - Monday Night LVARC Net - 7:30p 146.940
September 3 - LVARC meeting at 7:30p at the Tri-Clover F.C.
September 8 - VIA Marathon
September 9 - Monday Night LVARC Net - 7:30p 146.940
September 16 - Monday Night LVARC Net - 7:30p 146.940
**September 17 - LVARC radio shack open for use*
September 20 - Test session at Hanover Elementary (6:30p)
September 23 - Monday Night LVARC Net - 7:30p 146.940
September 30 - Monday Night LVARC Net - 7:30p 146.940

* The LVARC radio shack is open on the third Tuesday of the month **ONLY AFTER CONTACTING JOHN (AB3LZ) at e03145jab@gmail.com**.

How many signatures are on the Declaration of Independence?

1. 27
2. 34 (Answer on page 6)
3. 56
4. 77



LVARC picnic this month!

de Don (N0VGA)



The 2019 LVARC picnic will be held on July 20 at the Upper Macungie Park in Fogelsville. **The park just off of Rt 100, about a mile north of US 22/178.**

Take Exit 49B from either direction; turn right onto Haasadahl, and follow the road to the upper pavilion, (approximate co-ordinates: 49.596, -75.630).

The club provides the hot dogs and burgers, as well as condiments and buns, plus a variety of (non-alcoholic) potables.

If you plan to come - or not - let me know how many in your party and what food stuffs, if any, you're planning to bring.

Reply to me as soon as possible, to avoid embarrassing duplications of munchables, or if you have any questions (dbhoppes@protonmail.com).



How many signatures are on the Declaration of Independence? (From page 5)

(3) Fifty Six founding fathers signed the Declaration of Independence.

The **L**ehigh **V**alley **A**amateur **R**adio **C**lub (**W3OI**) is an active growing organization! LVARC offerings include:

1. Monthly license testing sessions
2. Monthly meetings
3. Monthly programs
4. Several planned ARES events throughout the year
5. Annual picnic
6. Annual mid winter dinner
7. Monthly newsletter (VOX)
8. Improved website
9. An active Field Day participation
10. Weekly On Air ARES/RACES/LVARC net



Come to a meeting and/or join the club. Experience the joys of a great hobby with great friends!

Is Your License About to Expire?

You cannot renew your license earlier than 90 days before your current license expires. When you are ready, you can follow the steps below to renewal on line:



Steps to Filing a Request to Renew a License in ULS

Go to: <https://www.fcc.gov/wireless/support/universal-licensing-system-uls-resources/renewing-license-universal-licensing>

1. Log in to [ULS Online Filing](#) with your FCC Registration Number (FRN) and password.
2. *Note: If you are taken to the My Applications page, click My Licenses to begin the steps below.*
3. *On the left-side of the screen, click Renew Licenses.*
4. Select the licenses and Click Add.
5. Click Continue to navigate through the application.
6. Sign your application and click Submit Application. *Note: By typing your first and last name in the name fields you have signed your Application.*

“... directed net ...” - de Mark (AK3M)

Q. Every Monday night we hear the transmission that includes, **“This is a directed net...,”** but ***do you know what a directed net is?***

A. A directed net is simply a **net with a formal Net Control Station (NCS).** **ALL transmissions go through the NCS.** That **makes it a directed Net.** Communication between/among participating stations must be permitted by the NCS.



The LVARC uses the **directed net** format for (1) it's Monday Night Net and (2) during ARES and RACES events. The NCS will open the net and declare it as a directed net. The NCS will also formally terminate the net (verbally) and state the time the net has ended.

“Don't cry because it's over, smile because it happened.” — Dr. Seuss



GOING ON VACATION THIS SUMMER?

de Mark (AK3M)

We all look forward to a trip away from home in the Summer but there are a few things you can do to insure that nothing will happen to your house while you are away. First, do NOT announce your vacation plans on the air. Not that any ham would break in but people do listen to us on scanners. You can share your great experiences with others when you return. Second, disconnect your antennas and unplug your desktop computer(s). As you know, in the Summer, a thunderstorm can pop up at any time. You may want to cancel your mail and newspaper.

Take Your HT On Vacation - de Mark (AK3M)

No, your HT does not need a vacation but you do! Taking your HT along to the beach or mountains can make it think its on vacation, while all the time, serving *you*.

You can use your HT to listen to local FM music stations. You can also tune in to maritime frequencies as well as the lifeguards if you go to the beach. If you go on a cruise, you can not only listen to the marine frequencies but also the crew communications on the ship. (*Note that many cruise lines do not permit transmission of ham communications but you can monitor.*) You can also plan ahead and search for VHF/UHF amateur repeaters along your trip and at your destination. Your HT is also a great source for WX reports.



Remember, a Baofeng cannot operate in the AM mode so listening to aircraft frequencies will need to be done by something other than that model.

Yes, your HT can serve you well, while you both are on vacation!

Q. Is it ever appropriate to fly the flag upside down?

A. Yes, but only in an emergency. It means, "Help Me! It's an emergency! Call the police! I am in dire trouble and need immediate help!"



FREE Vertical Antenna Base

I have a base I used for an old HF vertical. I no longer have that antenna and would like to give away the base. It measures about 36"x36". If you want this base, contact Mark (AK3M) at AK3M@rcn.com.



READER SUBMISSION



Fred (WW3BOW) sent a picture of his new ARES vest. He bought the vest from Amazon and his friend (Ron), made the lettering which Fred ironed onto the vest.

Anyone interested in the details of the vest, how to get the lettering (from Ron) or anything else about this vest, contact Fred at WW3BOW@gmail.com or YA06R6@hotmail.com.

CONGRATULATIONS to those who tested on May 23, 2019. Three tested and three passed. They received their calls on June 3. Amateur radio welcomes:

Harry Snodgrass (Technician) - KC3NOX
Mitchell Carney (Technician) - KC3NOY
Jacob Oakman (Technician) - KC3NOZ



Welcome them to the hobby when you hear them on the air!

SkyWarn - de Bill (K3ABE)

I am writing to you to let you know my experience with getting the SkyWarn Spotter ID. I went to the national weather service website Mount Holly and found the SkyWarn Classes are somewhat far and



few between. So, I did some research and found that Ms. Sarah Johnson is the SkyWarn Focal Point, so I sent an email to her at Sarah.Johnsno@noaa.gov. Ms. Johnson sent me a link to watch a 2 hour and 45 minute recorded webinar, I also completed 2 courses for spotters over at Comet, <https://www.skywarn.org/online-training/>. I am now waiting for Ms. Johnson to issue my spotter ID, it was a few days and she issued my spotter ID LHPA-061, I did forward this number to Mike Mandell [KC3BLF] for his records.

There are not many classes. 3 classes are coming up but in Bridgeton, NJ, Georgetown, DE or Westampton, NJ, nothing is close by to us. I did some research and then completed 2 courses, course completed.

So, you don't have to wait for classes or even attend any classes in person to get your spotter ID, if any one would like to pursue it just contact Ms. Johnson she will happily help anyone that is interested.

I should tell you the steps I did before contacting Ms. Johnson, I took the 2 courses, Role of the SKYWARN® Spotter and SKYWARN® Spotter Convective Basics at Comet, downloaded completion certificates and then contacted Ms. Johnson asking about skyWarn classes. Ms. Johnson requested a copy the of those 2 certificates and she then sent me a link to the webinar.

Just thought some members might like to know this info, If anyone needs help, contact me (Bill - K3ABE) at 484-225-8643 or Bill@k3abe.com.

Thanks and 73.

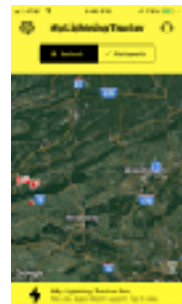
READER SUBMISSION

The Fourth of July was not declared a federal holiday until 1938.

Lightning Tracker App - de Mark (AK3M)

Its that time of year when severe WX pops up. **Apple iOS has an app that notifies you of lightning strikes in your area.** After your warning, you may elect to see a map where those strikes are. This Apple app is available **FREE** from the Apple Store. Download **My Lightning Tracker**.

I do not know if Android has a similar app.



ARES CONNECT Account Creation

IMPORTANT INFO

In order for the ARRL to keep track of ARES volunteers, they have instituted a **new procedure**. This also helps me to know who will be volunteering for the various events.

In the past, I would complete a form and include all those who participated. That has changed. Each ARES volunteer must now register himself.

If you expect to participate in any ARES event, you need to create an account with the ARRL **AND** register for LVARC ARES events in the calendar.

Follow the following steps to create an account and sign up for ARES CONNECT. You will be directed to a calendar where you can volunteer for ARES events.

1. Start here: <https://arrr.volunteerhub.com/lp/epa/userregistrationwizard/usernamepassword>
2. **USE YOUR CALL SIGN** AND ONLY YOUR CALL SIGN **FOR USER NAME**.
3. Use **ANY PASSWORD** you want.
4. **Click** through the "next" screens and fill in your other affiliations like Satarn, MARS, etc..
5. If you want to be on the Lehigh County ARES list and see Lehigh County events, **YOU MUST LIST LEHIGH COUNTY AS YOUR COUNTY OF RESIDENCE**, no matter what physical address you use to sign up or **NO** matter what county you live in.



If you live in Berks, Bucks or Northampton say "Lehigh" **anyway** or else you will NOT see the Lehigh County ARES events.

Severe WX - When severe WX strikes, do you monitor 146.94 in case someone needs help? That includes snow, ice, thunder and lightening storms.





Hanover Township Spring 5K

The LVARC ARES team provided communications support for the Hanover Township (Northampton County) Spring 5K, the second ARES event of 2019.

After a few days of severe weather in the Lehigh Valley, the morning weather of the event proved to be a

perfect day for a 3.2 mile run.

Thirteen members of the LVARC came out to support a most worthy event. Many of the LVARC team met as a group in the township's parking lot before dispersing to their assigned positions.

Net control was parked directly behind one of the township's ambulance allowing direct EMS service should it be necessary.

A directed net was opened at 0848 before the actual start the run at 0900 .

There were no messages passed to net control. The directed net was ended at 0953. A BIG TNX to the following LVARC ARES team members who came out to provide a well appreciated service.

LVARC ARES members included, **Mark (AK3M)**, **Fred (WW3BOW)**, **Jack (KC9DQV)**, **Mike (KC3BLF)**, **Don (N0VGA)**, **Bob (WB3JSZ)**, **Jim (KC3FBK)**, **Andy (AK3KA)**, **Tom (WW3TRG)**, **Phil (KB3HMK)**, **Richard (KC3FEZ)**, **Jared (N3GMP)** and **Rob (AB3RC)** for their time and communication expertise.

Below, you will find pictures of the HT 5K submitted by the operators.



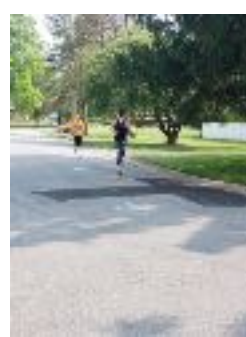
Net
Control
(left)
photo
courtesy
Mark
(AK3M)



Photo (left)
courtesy
Tom
(WW3TRG)



Photos above courtesy Don (N0VGA)



Photos above courtesy Tom (WW3BOW)

**Of the six flags planted on the moon,
FIVE of them are still standing.**



The *BIG* One Is Next! - de Mark (AK3M)

The St. Luke's/VIA Marathon is the next (third) LVARC ARES event to be scheduled for 2019. This is a **BIG** event as it covers two counties and 26+ miles! Many LVARC operators will be needed, especially to man Sag Wagons. If you are new to ARES, your help is still needed to provide communications support. Don't let lack of experience make you hesitate to volunteer. If you have volunteered for this event before, you know how much our service is needed and welcomed! This marathon will be held on **Sunday September 8, 2019**. A minimum of 17 operators will be needed and perhaps more as we need to man 4-6 sag wagons with LVARC operators as well as fixed positions. To volunteer, contact Mark (AK3M) at AK3M@rcn.com.



There are several LVARC ARES events left in 2019. If you plan to help out, please register with **ARES CONNECT**. See page 11 (previous page) and create an **ARES CONNECT** account.

You will then have access to a calendar where you can volunteer for any or all remaining 2019 ARES events. **You do NOT have to register with ARES CONNECT to volunteer for an ARES event BUT registering with ARES CONNECT is recommended.**

“ARES” Chair - de Larry (NR3R)

READER SUBMISSION

Hi fellow hams,

Pictures below are of a great find I wanted to share.

A great chair when doing amateur radio events (or any outdoor activity for that matter).

This chair boasts a foldable table which locks in place, large pocket for a clip board, two pockets which are a perfect fit for most HT's, another smaller zippered pocket for pens, sunglasses, tablet etc, and of course the all important water bottle pocket. Perfect fit for a Gatorade bottle.

The chair is heavy canvas and is much more comfortable than the usual folding "sports" chair. This is more like a director's chair.

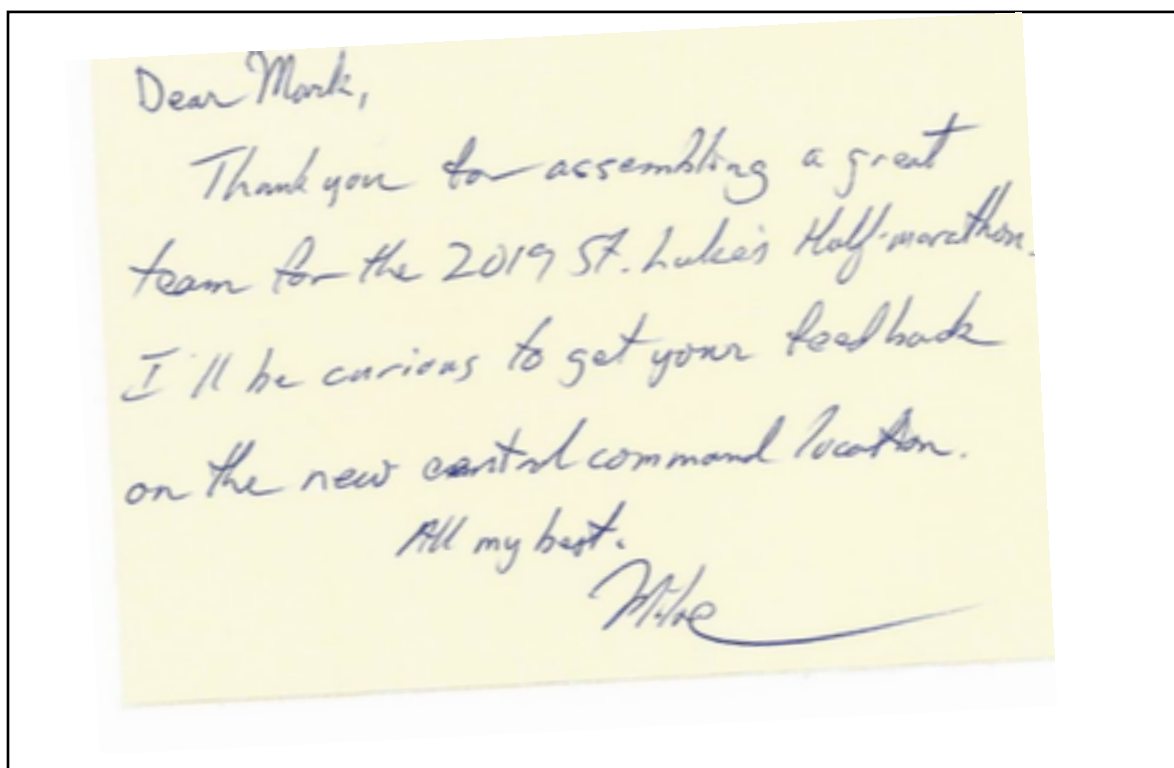
I am seeing chairs like this at other stores (Cabela's) for \$50+.

I found this at Harbor Freight. Normally about \$40-\$50 but when on sale and coupons got it down to \$20.



A Nice Thank You Note - de Mark (AK3M)

I received the following Thank You note in the mail on May 30, 2019. Although addressed to me, **it belongs to all those LVARC ARES operators who turned out on April 28 to operate in the St. Luke's Half Marathon.**



“Dear Mark,

Thank you for assembling a great team for the 2019 St. Luke's Half-Marathon. I'll be curious to get your feedback on the new control command location. — All my best, Mike”

As for the, New Control Command location, to which Mike refers, is that NCS moved to the Lehigh County Field Communications vehicle in a different physical location, at the last minute.

Q. Francis Scott Key wrote the words to "The Star-Spangled Banner" on the back on an envelope. What is the source of the music for it?

A. The music is from an old English drinking song called "To Anacreon in Heaven."

How an LVARC ARES Event Happens - de Mark (AK3M)

It is that time of year when the LVARC ARES teams shine! During 2019, the LVARC will provide communications support for six scheduled ARES events. **How did that start and how does it happen?**

Many years ago, during Rod's presidency, at a board meeting in his dining room, I suggested that the LVARC become more involved in helping the community with amateur radio communications (ARES). I made this suggestion as I was remembering all the many bike races etc. that the LVARC used to support many years ago and how much I enjoyed them. My suggestion was approved and I got the job of developing this program.

I started by looking at activities in the Lehigh County that I thought might be able to make use of our service. I U.S. mailed about 12 letters to these organizations explaining who we were and what we could do for them. I received several replies, some used our service and stayed with us, others did not. Those who we presently service have been with us for many years.

That brings us to what happens to get an ARES event up and running. I must first contact the person in charge of the event. I check if they still want our service for the current event or if the course has changed, how many operators are needed to support the event and ask if there are any changes from the last time we provided communications. Then comes the job of soliciting volunteers. This I do by announcing the event and the need for help on the Monday Night Net, at club meetings and in the VOX, all well in advance of the date of the event. Then, I make assignments while trying to keep in mind any personal issues or requests operators may have.

Before the day of the event, I send an email to all LVARC members notifying them that the repeater(s) will be used for a directed net for a portion of the day.

Now, its the operators turn. Operators do not simply wake up on the morning of the event and go to their assignment. Anyone volunteering to operate in an LVARC ARES event, needs to prepare too. They must get their equipment ready. That may mean an extra radio, antenna, battery, chair etc. They must know what frequency(ies) will be used and have their radios pre-programmed and ready to go. During an event is not the time to learn how to program your radio.

They must also know that the events are rain or shine. That means they must prepare for foul WX by packing gear for rain and anything else that nature may give us on the day of the event.

After the event, **its my turn again.** I contact the event coordinator, usually via email, and thank them for allowing the LVARC to serve them. I write an article in the VOX about the event and add any pictures operators may have submitted. I archive all files for that event and use that information for the following year.

Then I rest until the next event when we start the procedures again until all six events are completed.

The LVARC has a strong ARES team of volunteers making my job easy and allowing the LVARC to perform various community events. **Kudos to all who have volunteered!** Our service to the community could not happen without the support of LVARC members.

Remember to create an **ARES CONNECT** account with the ARRL if you plan to participate in an ARES activity. See page 11 of this issue of the VOX.

ARES CONNECT Follow Up - de Mark (AK3M)

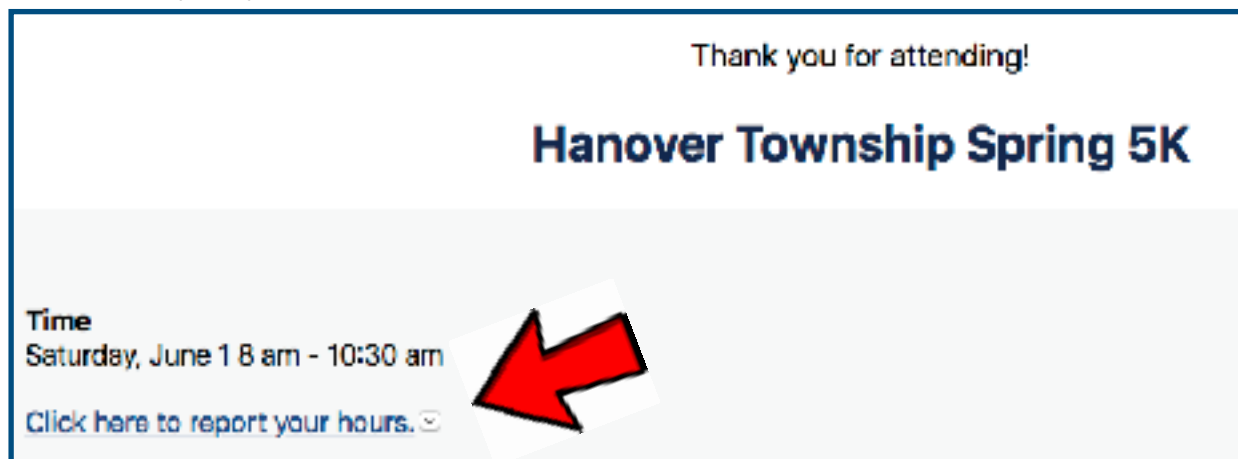
After registering for the Hanover Township Spring 5K using ARES CONNECT, I was wondering how to report my hours or what I should do for an, "After Action," report. That became clear the following morning (June 2) when I received the following email. It supplied a link to allow me to to enter the number of hours for that event.

The way ARES CONNECT works is for you to **(1)** register on ARES CONNECT (see page 11) first. **(2)** Then go to the calendar and volunteer for all the LC/LVARC ARES events you want to participate in. **(3)** Finally, complete the report that will be emailed to you on the following day.

Here is a screenshot of the website I was directed to the day after the event.

After doing all the above information, **after selecting the events in which you will be participating, DON'T FORGET TO LET ME (Mark) KNOW TOO.** I will need to know how many people will be participating so I can make assignments and send information about the event.

Be patient. We are all learning this new system. We will get used to it and eventually say that we don't know how we ever did without it.



Did You Enjoy Field Day 2019? - de Mark (AK3M)

Send your experience of Field Day 2019 to me, along with any pictures, for inclusion in the VOX. Perhaps you are a mature ham who has seen many field day events or maybe you are a new ham and that was your first field day experience. We want to hear from you! Send pictures and comments to Mark (AK3M) at AK3M@rcn.com.

Another Thank You! - de Mark (AK3M)

The day after the Hanover Township Spring 5K (held on June 3), I received the following email from Rob, the event coordinator. As with all ARES events, the **accolades belong to those volunteer operators** who turn out for these events!

“Mark:

I can't thank you guys enough for your help and continued support of our events.

You all are a pleasure to work with and look forward to the next event.

Thanks again!”

How Much Output Power is Your Baofeng Really Transmitting? - de Mark (AK3M)?

I bought the frequency counter and watt meter (GY561) that was featured in the June 2019 issue of the VOX (page 8). I will take it to the July 2 meeting. **If you want to test the output power of your HT, see me before or after the meeting or during the break.** You can also test a mobile rig but you will need a power supply.



The HT must be physically connected to the radio to display the output power. The supplied cable fits the Baofeng SMA antenna connection or similar radio. The antenna connection must be female to connect to the GY561. It will also test a radio with a BNC antenna connection.

The new General tests have arrived!

Be advised that the **new General exams have been delivered and will take effect on July 1, 2019.**

If you want to test for General, be sure you are studying the correct material.





FOR SALE de Rod (N3XG)



Hello all, I'm selling some gear that I'm offering to club members first and foremost. Whatever doesn't sell, will be going to Sussex Ham fest. I will be increasing my prices for the Ham fest, as is customary.

Items for sale are as follows (prices apply for LVARC club members only)

- (1) Icom Ic-7200 - with stock hand mic and HM-219 mic - \$550.00
- (2) Icom ID 880H - with USB RTS05 Cable - \$200.00
- (3) Icom ID 51 50th anniversary (blue) with HM 75LS speaker mic, CP 19R 12V adapter, wall wart charger (stock), extra antenna (stock), OPC-2350 data cable (android connection) - \$350.00
- (4) Icom 706 MIIIG - (remote mounting kit not included) - \$300.00
- (5) Yaesu FT-2DR system Fusion with APRS and 12V car replacement battery pack, SDD-13 12V power supply, wall wart (original equipment), MH-34 sp mic, and SCU-19 connection cable and software - \$250.00

Please contact Rodney (N3XG) via email at n3xg.radio@gmail.com or at **610 - 972 - 6992 for inquiry**. All forms of US cash accepted.



At the July 2, 2019 LVARC meeting, the club will be auctioning another computer!

- (1) HP ProBook 440 G1 laptop (2) Bluetooth (3) Intel Core i5-4200M CPU @ 2.50 GHz x 2. (4) USB mouse (5) WiFi (6) Power supply (7) carrying case (8) functioning battery (9) 3.6 GB memory.



The computers have had their hard drives removed but have the fixtures to install solid state drive or hard drive. Solid state drives can be purchased for as little as \$20. These computers run great on Linux which is free to download or install Windows if you have a license.

The LVARC Supports the Boy Scouts! - de Tom (WW3TRG)

Below are photos of Phil Bigg (KB3HMK) and his dad Bill (KA3RBH) and I who helped 75 boy scouts attain their Radio Merit Badge on June 8th at the Klecknersville fire co. Scout master Andrew Azan of troop 359 facilitated the event. The scouts met all the requirements including making QSOs on the radio. It was a fun day for all of us.



Photos courtesy of Tom (WW3TRG)

READER SUBMISSION



Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes

Date: June 4, 2019

The meeting was called to order by President Bartos at 1930 Hrs. (EST).

The meeting opened with the Pledge of Allegiance, and then a moment of silence was observed for Silent Keys.

There were a total of 24 members in attendance, and the club was joined by 2 guests.

The following Board Members were present at the meeting:

President - John Bartos

Treasurer - Paul Ryan

Secretary - Phil Bigg

Board Members: Myles Bodisch

Mark Miller

Rick Pearce

Matt Kriebel

Rod Wolfe

Guests: Paul Derr – W3ROH and Jacob Oakman – KC3ONZ

Corrections additions to the minutes: None noted

Motion to accept made by: Walt – KE3SP

Seconded by: Myles – KB3ZMA

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

Treasurer's Report (Paul - N0KIA)

The report was presented

Motion to accept made by: Rod – N3XG

Seconded by: Rick – KC3EXO

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

Committee Reports:

Repeater: John asked if the D-Star repeater is going to be moved to the new room. The D-Star repeater is not going to be moved.

Mike asked if the control codes work. They were tested and work.

Program: Tonight we will be discussing Field Day preparation. Next month will be Al Wiemann doing a presentation on the Quartz Fest. There's been some changes to the second half of the year to the program schedule. John will work on it and get it out to the members.

Volunteer Examiners: At the May 23, 2019 test session, three tested and three passed. They received their calls on June 3, 2019.

CONGRATULATIONS TO:

Harry Snodgrass (Technician) - KC3NOX

Mitchell Carney (Technician) - KC3NOY

Jacob Oakman (Technician) - KC3NOZ

VE's in attendance included Mark (AK3M), Walt (KE3SP) and Doug (N3WGH).

This was the last test session at Hanover Elementary School for the Summer until September 20 when we will resume the third Friday of the month test session schedule.

There will be Walk-In testing on Saturday June 22 at the LVARC Field Day site from 2:00p to 4:00p (EST).

ARES / RACES: The Hanover Township (Northampton County) Spring 5K was held on Saturday June 1, 2019. Thirteen members of the LVARC ARES team turned out to provide communications support for this event. This was the second ARES event of the 2019 year. A review of this event will be published in the July issue of the VOX.

The next ARES event is the St. Luke's / VIA Marathon. That event will be held on Sunday September 8, 2019. This is a big event that includes two counties and 26+ miles. Many operators will be needed. Contact Mark (AK3M) to volunteer.

There is a new program initiated by the ARRL called **ARES CONNECT**. To volunteer for an ARES event, you must register using this new procedure. Information about this will be available at the June meeting and in the July 2019 issue of the VOX (page 11).

Club Station / Trailer: It was asked if the trailer can be worked on at Field Day. John said that's a possibility.

Communications: Website looking good. Paul suggests that if you are doing a presentation, send him some info and he will post it to the website.

Computer: The computer committee met on hands on night and installed the Linux software to the clubs computers. Will try and run the N1MM software.

Old Business: The club did a laptop computer auction last month. We will do another one tonight.

The annual picnic will be on July 20 at the Upper Macungie Park.

There was discussion about opening the club station for First Responders Day that Tri-Clover Fire Co, is hosting. John talked to Don before the meeting and it looks like we won't be able to do it.

The club is still looking into doing t-shirts.

This Saturday Tom (WW3TRG) will be doing Boy Scout radio merit badge class. You may hear him on the repeater between 9 -12 with the scouts.

Phil thanked Andy (AK3KA) for participating in the Star of Bethlehem Children's Festival. He had some kids come up and also Fe-Fe from the Ironpigs joined in.

New Business: Hands on night will be doing a test run on the club computers and also packing up the trailer for field day. Would also like to wash the trailer.

Myles mentioned that he needs to do the rental for the porta potties. A motion was made by Carl (AA3IX) and seconded by Andy (AK3KA) to spend up to \$200 on porta potty rentals. The motion passed by voice vote.

For the August meeting, Phil needs someone to take minutes for that meeting. He will not be able to attend due to a prior commitment. John said they'll find someone to take the minutes.

Good of the Order: Jeff (WA3PNY) volunteered to bring refreshments for next month's meeting.

John will not be at the July meeting. Chuck will be running the meeting.

There was discussion on the housing development by the field day site.

July 13th is the Phoenixville Hamfest.

The LVARC Monthly Business Meeting Closed at 2015 hrs. (EST.)

Motion to accept made by: Don – N0VGA

Seconded by: Rod – N3XG

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

Respectfully Submitted de KB3HMK, Secretary.