



The VOX



The Official *On-Line* Newsletter of the

Lehigh Valley Amateur Radio Club - W3OI / KB3SYV
Allentown, Pennsylvania (Lehigh County) - USA



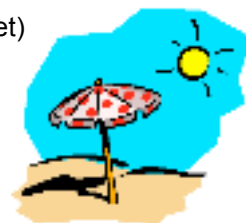
Officers

President: **Rod Wolfe, Jr. - N3XG** (n3xg.radio@gmail.com)
Vice President: **Brian Klock - KW3K** (KW3K@kw3k.com)
Secretary: **Phillip Bigg - KB3HMK** (philbert17@ptd.net)
Treasurer: **Brian Snyder - KB3QHA** (brian@teamsnyder.net)



Board of Governors

Chuck Ballard - WB6CDY (wb6cdy@arrl.net)
Gary Decker - W3GRD (SCOUTIH79@YAHOO.COM)
Robin Gable - KB3GZV (kb3gzv@arrl.net)
Matthew Kriebel - KB3UZE (kriebz@gmail.com)
Paul Ryan - N0KIA (paul.f.ryan@gmail.com)



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

Webmaster - Paul Ryan (N0KIA) ----- (paul.f.ryan@gmail.com)

LVARC Repeaters

146.34 / 146.94 (PL 71.9)
147.735/147.135 (PL 167.9)
447.775 (PL 71.9)
Club Simplex Freq. - 147.420

LVARC/RACES/ARES Net

Every Monday at 7:30 (ET)
146.940 (PL 71.9)

D-Star




W3OI Dstar repeaters are now on W3OI at
147.165, W3EPE at 445.225 and W3OK at
145.110

Join us for a Mid-Atlantic regional net Tuesdays
on the 147.165 port at 7:30 pm.

To register for the Gateway or need information
on setting up the radio, please visit
<https://24.229.28.14/Dstar.do>

W3OI Home Page: <http://www.w3oi.org>

Contents for August 2013

Meeting Information	INFORMATIONAL	... page 3
L.C. RACES Net Information	INFORMATIONAL	... page 3
Minutes of the July 2013 Meeting		... pages 4-5
This Month In Ham Radio	INFORMATIONAL	... page 6
VE Report		... page 7
CRT disposal		... page 8
The Answer Man		... page 9
Thank You letter		... page 10
2013 LVARC Field Day pictures		... page 11
Silent Key		... page 12

IMPORTANT -- de Mark (AK3M)

CHANGE IN TESTING PROGRAM! The LVARC will **NOT** hold a regular test session in June and July, 2013. There **will be testing at the FD site**. Testing will resume the **3rd Friday in September at 6:30 pm**. The **NEW LOCATION** will be **HANOVER ELEMENTARY SCHOOL** on **Jacksonville Road** in **Bethlehem, PA**.

3890 Jacksonville Road --- Bethlehem, 18017-9307



Newsletter submissions can be sent to Mark
(AK3M) at AK3M@rcn.com

Your submissions can be text and/or graphics.



**The August, 2013 LVARC meeting will be held on
August 6, 2013 at the Tri-Clover Fire Company at 7:30.**



LVARC / RACES NET

**Don't forget to check into the Monday Night
LC/LVARC/RACES Net on 146.94 (PL 71.9) with an
alternate frequency of 147.735/147.135 (PL 167.9)
The Net begins at 7:30 pm local time (ET).**

***Many club announcements
will be heard there !***

Monday Night RACES/ARES Check-In Summary - 2013

Month



Number of Check-In's



Number of Nets/Mondays

January
February
March
April
May
June

108
105
133
132
87
108

4
4
4
5
3
4



Minutes of the July, 2013 LVARC Meeting

de - Phil (KB3HMK)



The meeting was called to order by President Wolfe at 1940 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 17 members in attendance, and the club was joined by 2 guests. The following Board Members were present at the meeting: Rod – N3XG, Phil – KB3HMK, Brian – KB3QHA, Paul – N0KIA, Robin – KB3GZV, Matt – KB3UZE and Gary – N3GRD.

Guests: John Borchers (KC3ASE) & Kenny Bass

Corrections additions to the minutes: None noted

Approved by: Walt – KE3SP

Second by: Gary – W3GRD

Carried (Y/N) Y

Treasurer's Report (Brian – KB3QHA)

Starting Balance: \$4,372.12

Ending Balance: \$4,228.39

Approved by: Rex – KC1WE

Second by: Jim – KC3AFU

Carried: (Y/N) Y

Brian reviewed the expenses for Field Day.

Committee Reports:

Repeater: No problems with the 146.94 repeater. The 147.135 repeater has phone cord issue. The auto patch is not working.

Rod has noticed that the 94 repeater has become a social network. He is concerned that it will turn into a chat repeater. The board will meet to discuss the issue. The question was raised whether to leave it open or close the repeater for members only. Discussion followed. The consensus was to keep it open.

Program: Tonight's program will be done by Rod (N3XG). The topic will be ARES, RACES & EmComm. The hands on night is July 16th. It will be basic first aid and kits. The August program will be on Emergency Preparedness by Chuck (WB6CDY). The August hands on night will be on Go Kits.

Volunteer Examiners: CONGRATULATIONS to Myles Bodisch (KB3ZMA) who tested at Field Day (June 22, 2013) and upgraded from Technician to General!

VE's in attendance were Rod (N3XG), Walt (KE3SP) Don (W3DLH), Bob (WB3W) and John (N3SQV).

There will be no test session in August, 2013. The next test session is scheduled to be on Friday September 20, 2013. Contact Mark (AK3M) to confirm and register.

There will be a special test session at the Church of Latter Day Saints in Kutztown on September 7, 2013 at 4:00 pm. There is no specific information about the number to be tested but if you are a VE and want to participate, contact Mark (AK3M).

Rod thanked the VE testers who were at Field Day to do a special test session. Myles Bodisch (KB3ZMA) upgraded to general.

(Minutes cont. on page 5)

(Minutes cont. from page 4)

Old Business: The annual picnic is scheduled for July 27 at the Upper Macungie Park on Rt. 100. Rod asks that you bring something to share. The way it's usually done is by the first letter of the second part of your call sign. So if your call sign starts with A to N, you can bring a dish. If your call sign starts with O to Z, you can bring a desert. If you would like to bring both, you're welcome to.

The Girls on the Run was held on June 6. Rod thanked the members who came out to help.

Field Day was big success this year. The club had 34 people attend with an appearance by Scott Lindermuth. He is the new EMA Director for Lehigh County. We had 84 digital contacts and 264 phone contacts, which gives us 864 points with 790 bonus points. Total points are 1654. Rod thanked everyone who came out and participated.

The club purchased badge clips and badge lanyards. If any member needs one, please see Rod.

At the June meeting Rex (KC1WE) offered to look into the club applying for 501c3 status. He gave his report and said we can do it. It would cost \$400 to apply for the application. Rex (KC1WE) made the motion to proceed with the application and to spend \$400 on the application and not to exceed \$25 for other fees. Paul (N0KIA) seconded the motion. The motion carried.

Rex then asked for a committee to help with doing the application. Rod said a committee will be formed.

New Business: The Lehigh Valley Health Network/Via Marathon will be Sunday September 8, 2013. Volunteers are needed! Plan ahead, mark your calendar and contact Mark (AK3M) if you can help ([HYPERLINK "mailto:AK3M@rcn.com" AK3M@rcn.com](mailto:AK3M@rcn.com)).

Paul has the incentive list. If you attended any special events with the club, please check to make sure you're on it and the information is correct.

Hadrian (KB3VDB) returned from California and placed 4th at the Future Business Leaders of America National Leadership Conference 2013. If you see or hear Hadrian on the repeater, please congratulate him.

Good of the Order: Rex asked about membership cards. He didn't receive one. Brian (KB3QHA) will check into it.

Sick Report: Mark's (N3ULR) step son was in a serious car accident. If you hear Mark on the repeater, pass on some support.

New member applicants: Kenneth Bass (non ham associate) & John Borchers, KC3ASE

New Members Motion to Accept by: Scott – KB3YOT

Second by: Dave – W3AMC

Carried (Y/N) Y

The LVARC Monthly Business Meeting Closed at 2035 hrs, (EST.)

Motion by: Gary – W3GRD

Second by: Matt – KB3UZE

In favor: Y

Respectfully Submitted de KB3HMK, Secretary.

\$\$\$ W3OI Finances \$\$\$	
Balance ending June, 2013 - \$4,372.12	

This Month In Ham Radio

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div>August 2013</div>				1	2	3
4 <div>  US Coast Guard day </div>	5 <div> <div>ARES RACES Net 7:30</div> Matt KB3UZE </div>	6 <div> <div>LVARC Meeting Tri-Clover 7:30</div> </div>	7 <div> <div>Dist. 2 RACES Net - 7:30 147.255</div> National Lighthouse Day </div>	8	9	10
11	12 <div> <div>ARES RACES Net 7:30</div> Robin KB3GZV </div>	13 <div>  Left hander's day </div>	14 <div> <div>Dist. 2 RACES Net - 7:30 147.255</div> </div>	15	16 <div> No test session this month </div>	17
18	19 <div> <div>ARES RACES Net 7:30</div> Dorian KB3GZW </div>	20 <div> <div>LVARC Activity Night Tri-Clover</div> National radio day </div>	21 <div> <div>Dist. 2 RACES Net - 7:30 147.255</div> </div>	22	23	24
25	26 <div> <div>ARES RACES Net 7:30</div> Rod N3XG </div>	27	28 <div> <div>Dist. 2 RACES Net - 7:30 147.255</div> </div>	29	30 <div>  Toasted marshmallow day </div>	31

LVARC meeting - Tuesday August 6 - 7:30 - Tri - Clover FC

NO LVARC test session in August

LVARC Activities/Events

Mark your Calendar

PRINT, CLIP and POST



Monday August 5 --- LC RACES/ARES Net - 7:30 pm (146.94)
Tuesday August 6 --- LVARC Meeting (7:30 - Tri Clover FC)
Monday August 12 --- LC RACES/ARES Net - 7:30 pm (146.94)
Friday August 16 --- **NO** VE TEST THIS MONTH
Monday August 19 --- LC RACES/ARES Net - 7:30 pm (146.94)
Tuesday August 20 --- LVARC Activity Night (7:30 - Tri Clover FC)
Monday August 26 --- LC RACES/ARES Net - 7:30 pm (146.94)

2013

There may be additions and deletions to the above dates. Listen to the Monday Night Net, the newsletter and announcements at meetings for changes.

LVARC VE Report

de Mark (AK3M)

CONGRATULATIONS to
Myles Bodisch (KB3ZMA)
who tested at Field Day (June
22, 2013) and upgraded from
Techician to General!

LVARC
VE
Program



VE's in attendance were **Rod (N3XG)**, **Walt (KE3SP)** **Don (W3DLH)**,
Bob (WB3W) and **John (N3SQV)**.

REMEMBER: The LVARC offers amateur radio testing. If you want to obtain your entry level license or if you wish to upgrade, the LVARC can help.

Test sessions are given the 3rd Friday of each month except in July and August, 2013. **REGISTRATION IS REQUIRED!!!**

To schedule a test or for more information, contact Mark (AK3M) at AK3M@rcn.com or call 610-865-9183.



Have an article, diagram or an opinion you would like to share with the LVARC members in this newsletter? Send it to Mark (AK3M). You can submit VOX material in any form. Send it via email (AK3M@rcn.com) or US mail (5508 Hale Ave - Bethlehem, PA 18017). You can send pictures, diagrams or text. **The newsletter needs YOUR material to continue!**

2013 LVARC Events

July 27 --- LVARC Picnic

September 7 --- LDS test session - Kutztown

September 8 --- LVHN / VIA Marathon

(Volunteers needed)

October 12 --- Women's 5K Classic

(Volunteers needed)



LVARC Picnic



The LVARC annual picnic will be held on **Saturday July 27**, 2013. The location will be at Rt. 100 Park in Upper Macungie.

From where did they come?

The "silly days" on the calendar on page 6 come from:

<http://www.holidayinsights.com/moreholidays/august.htm>

Radio Science for the Radio Amateur

From the ARRL bookstore

\$24.95



<http://www.arrl.org/shop/Radio-Science-for-the-Radio-Amateur/?page=1>



READER SUBMISSION

de Mark (AK3M)



Need to dispose of a CRT monitor or TV?

Any and all Best Buy stores will take your CRT monitor or TV set at **no expense to you**. Simply take your phosphorous loaded device to a Best Buy store and put it in their lobby. You need **not buy anything or pay for the service**. Best Buy employees will even help you carry it into the store!

PSE HELP me keep the LVARC VE list updated. If you are a certified VE, please let me know via email (AK3M@rcn.com)



The Digbees

Did you know coffee prevents shark attacks? I drink coffee every day and have never been attacked by a shark!



How does that man's brain work?

Send your Summer/ vacation radio related stories and pictures to Mark (AK3M) for inclusion in the VOX.



**The
Answer
Man**



12v Power Supplies

(TNX to our **Answer Man**, Erik (AI3D))

Which 12v power supply should I buy for my HF radio?

There are basically two types of power supplies that you will find in use by many radio amateurs. The first is the linear power supply and the second is a switching power supply. Each supply has different advantages which is why some people favor one over the other.

The linear power supplies are typically larger in size and also weigh more than switching supplies for the same output current / voltage. The main advantage of linear supplies is that their DC voltage contains little RF noise. The DC output voltage contains energy at 60Hz (and all harmonics). Since this frequency is very low, there are practically no harmonics that create noise on the amateur bands. I use a linear power supply for my home station.

Switching power supplies are typically smaller and weigh less than linear supplies making them ideal for portable operation. Switching power supplies operate at frequencies of about 100kHz to 10MHz. Because they operate at a high frequency, smaller electronic components can be used in the design. This advantage comes by allowing more noise onto the filtered DC output voltage. This noise is at higher frequencies and the harmonics can sometimes fall inside the HF spectrum. This means that on some frequencies, your radio might have a higher noise floor than if it was powered from a battery or a linear power supply. In most cases the noise is tolerable for even fixed station use.

Either DC power supply will work just fine in most cases. Factors like cost and flexibility of the supply are probably more important than noise performance. Other features like over temperature, over current, and surge protection are nice to have to protect your equipment but they aren't absolutely necessary. When it comes to power supplies, I always like to have a voltage and current meter built into the supply. This way I can make sure my radio isn't drawing more or less power than I expect.



Send your questions to Erik (AI3D) at:

GEISSENE@GMAIL.COM



900 MHz HTs For Sale

The LVARC has several Motorola GTX hand held radios for sale. They are reprogrammed to amateur frequencies in the 900 MHz (33 cm) band. Included, are DC and drop in AC chargers. The price for the package is **\$50.00**. This is a great way to get on 900 MHz for a small cost while helping the LVARC treasury. If interested in purchasing one or more of these HT's, contact **Brian (KW3K)** at KW3K@kw3k.com.



The **Lehigh Valley Health Network/Via Marathon** will be **Sunday September 8, 2013**. Volunteers are needed! Plan ahead, mark your calendar and contact Mark (AK3M) if you can help (AK3M@rcn.com).



This thank you belongs to all those LVARC members who participated in the 1/2 marathon in April, 2013. I received the following thank you card from Dr. Mike Martinez, the EMS coordinator for the event. (ed)



Dear Mark,
 Thank you for your outstanding coverage of the half-marathon.
 Your team presence enhances the quality of care the medical team is able to provide. Sincerely,
 Mike

"Dear Mark. Thank you for your outstanding coverage of the half marathon. Your team presence enhances the quality of care the medical team is able to provide. Sincerely, Mike"

LVARC Field Day 2013

READER SUBMISSION



Photos courtesy
Gary (W3GRD)



Photo courtesy Brian (KB3QHA)



Photos courtesy John (AB3LZ
(above and left))



Silent Key



Henry T. Mohr [w3NCX], 93, of Allentown, died July 5, 2013

in Devon House and went to be with his Lord and Savior Jesus Christ.

He was the widower of Bessie (Hemphill) Mohr, Florence (Gunkle) Mohr, and Emma (Mohr) Rice. Born in Macungie, he was the son of the late Lawrence D. and Susan H. (Schantz) Mohr. He worked as a letter carrier for the US Postal Service for 36 years, retiring in 1977. He honorably served his country in the Army as a Staff Sergeant during [WWII](#) and Korea. He was a member of Upper Milford Mennonite Church, where he served as a Deacon, Lay Minister, Sunday School

Superintendent, and Teacher. **He was a HAM Radio operator and life member and past president of the Lehigh Valley Amateur Radio Club, member of the Delaware Valley Antique Radio Club, 50 plus year member of ARRL,** an avid gardener, and

was the movie man at Patriots Park in the 1960s. Henry loved to eat and enjoyed going out to eat and was a fan of Uncle Jeffrey. He will be missed for his sense of humor, ability to tell jokes, and his meaningful prayers at family dinners. **Survivors:**

Son, Roger E. Mohr of Allentown; daughters, Sylvia C. wife of Thomas Hilmer of Macungie, Susan K. Mohr of Allentown, and Sharon K. Rider of Allentown; sisters, Susan Kleppinger of Macungie, Florence wife of Robert Reiss of Emmaus, and Alice wife of Kenneth Kline of Emmaus; six grandchildren, five great-grandchildren, and one great-great-granddaughter; Close Radio Buddy, Jim Amici. He was

predeceased by a daughter, Lisa H. Mohlman. **Services:** Funeral Services Wednesday, July 10, 2013, at 11 a.m. in Upper Milford Mennonite Church, 6450 Kings Highway South, Zionsville, PA 18092. Viewing 10 to 11 a.m. in the church.

Interment will follow Upper Milford Mennonite Cemetery. Schantz Funeral Home, P.C., Emmaus is handling arrangements. Online condolences may be made to www.schantzfh.com. **Contributions:** In lieu of flowers, contributions may be made to

the church. ----- *Henry was a founding father of the Lehigh Valley Amateur Radio Club. I knew him and considered him very knowledgeable in his skill with circuits and tubes. Henry had a huge collection of vacuum tubes and was always willing to help other hams with their radio projects. He was active in the the LVARC and I learned much from him during Field Days I attended. I met Henry again at Devon House quite by accident and he was as sharp as he always was. He will be missed.* --- [ed].



When All Else Fails T-Shirt (from the ARRL shop)

<http://www.arrl.org/shop/When-All-Else-Fails...-T-Shirt/>