

# The **E-VOX**

## The Official **On-Line** Newsletter of the



## **L**ehigh **V**alley **A**mateur **R**adio **C**lub - **W3OI**



**Allentown, Pennsylvania** (Lehigh County) - **USA**

---

### **Officers**

**President:** Rod Wolfe, Jr. - **N3XG** (rjwolfe@rcn.com)  
**Vice President:** Walt Snyder - **KE3SP** (SBWALLY@aol.com)  
**Secretary:** Phillip Bigg - **KB3HMK** (philbert@enter.net)  
**Treasurer:** Paul Ryan - **N0KIA** (n0kia@arrl.net)

---

### **Board of Governors**

**Robin Gable** - **KB3GZV** (kb3gzw@arrl.net)  
**Jim Kelly** - **KA3UQP** (kellyj6@ptd.net)  
**Mark S. Miller** - **AK3M** (AK3M@rcn.com)  
**Willie Robertson** - **AB3BS** (WILLIETR@BELLATLANTIC.NET)  
**Frank Unger** - **W3FTU** (funger@enter.net)

---

**E-VOX Editor** - Mark S. Miller (AK3M) (AK3M@rcn.com) or (AK3M@arrl.net)  
**Webmaster** - Paul Ryan (N0KIA) (n0kia@arrl.net)

### **Repeaters**

**146.340/146.940 (PL 71.9)**  
**147.735/147.135 (PL 167.9)**

### **RACES NET**

**Every Monday at 7:30 (ET)**  
**146.34 / 146.94 (PL 71.9)**  
*All are welcome !*



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



# July 2005 Contents

|   |               |
|---|---------------|
| Meeting Information .....                               | page 3        |
| L.C. RACES Net Information .....                        | page 3        |
| Minutes of the May, 2005 Meeting .....                  | pages 4-5     |
| This Month In Ham Radio .....                           | page 6        |
| LVARC Activities .....                                  | page 7        |
| LC EMA Requests RACES Photos .....                      | page 8        |
| <b>LVARC Auction - A HUGE Success .....</b>             | <b>page 9</b> |
| New Hams In The Community/Net Control Op Schedule ..... | page 10       |
| Lightning Revisted .....                                | Page 11       |
| LVARC VE Report .....                                   | page 12       |
| Radio Puzzle Book .....                                 | page 13       |
| "Pong" Quiz .....                                       | page 14       |
| SkyWarn ID Cards .....                                  | page 15       |





The July LVARC meeting will be held on  
July 5, 2005 at the Red Cross Building at 7:30 pm.

Program: "Elmer 101" - Part 4  
Presenter: Paul (N0KIA)



## 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 - 2005

| <u>Month</u> | <u>Number of<br/>Check-In's</u> | <u>Number of<br/>Mondays</u> |
|--------------|---------------------------------|------------------------------|
| January      | 169                             | 5                            |
| February     | 130                             | 4                            |
| March        | 126                             | 4                            |
| April        | 131                             | 4                            |
| May          | 128                             | 4                            |



**Minutes of the June 7, 2005 Meeting**  
de Phil (KB3HMK), - Secretary - LVARC**Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes**

The meeting was called to order by President Wolfe at 1750 Hrs, (EST / EDST).

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

There were a total of 19 members in attendance, and the club was joined by 1 guest. The following Board Members were present at the meeting: Rod – N3XG, Walt – KE3SP, Phil – KB3HMK, Paul – N0KIA, Willie – AB3BS, Robin – KB3GZV, Jim – KA3UQP

Corrections Additions to the minutes: None noted

Approved by:

Second by:

Carried (Y/N)

**Treasurer's Report:** (Paul - N0KIA)

Beginning balance of \$1,050.40

Ending balance of \$1,043.67

Approved by: Dave – W3AMC

Second by: Mark – N3ULR

Carried: (Y/N) Y

**Committee Reports:**

Repeater: 146.940 is now clear of Cat Country 96. The problem has been resolved. The 147.135 repeater still has the N.J. repeater coming at certain times. It is recommended to use this repeater as often as possible. 146.94 is the primary repeater during emergencies.

Program: Phil reports that tonight Mark (N3ULR) has two videos on tornadoes. The July will be Paul (N0KIA) continuing with part 4 of the Elmer 101 Intro to Basic Electronics.

Volunteer Examiners: 3 people tested in May. 1 upgraded to general and 2 became technicians. 4 more people tested at Mark's (AK3M) residence. The names and call signs will be announced at the July meeting.

**Field Day:** Rod reports that we got the permit for the park. Lehigh County is allowing us to use the mobile command vehicle for the weekend. It has a variety of radios that we will be able to use. This will give the members a chance to see what it looks like and how it operates. Rod will also be calling the members to see who is coming and what they are bringing. We can start setting up after 10:00 a.m. on Saturday morning and will end around 5:00 p.m. on Sunday.

**Web Site:** Web site was moved, but Paul was able to find it. He also updated the site with new members and other info.



**Education:** Rod is still working on doing a class session for the level 1 EmComm certification. Rod is still looking into getting funds from the Limerick project. Jeff (N3MFT) reports that Lehigh County has some money to spend and check with the ema director to see what can be done.

**Old Business:** Photos will be taken tonight of the members. These pictures will be used on the website and for those that are active in R.A.C.E.S. / A.R.E.S.. No further update was given on the condition of Bruce (KA3ONZ).

**New Business:** Rod is looking into having a club picnic this year. The tentative month is July or August. Mark (N3ULR) passed out skywarn info. If there is severe weather, please do not tie up the repeater. The weather service will notify us when spotters will need to be activated. Eileen (N3IZG) is trying to re-licence as WZ3L to keep the repeater going. She also has many amateur radio items at her home, which Rod is checking over. He will compile a list and e-mail it to the members. If there is something of interest that you see, e-mail him with a price. He will then talk to Eileen to see if it's reasonable. The list will also be posted in the members only section on the website.

The 1st annual W3OI auction was held tonight. It was a great success. Jeff (N3MFT) reports that Lehigh County is trying to form a damage assessment course. Anyone interested, e-mail Jeff.

#### New members:

**Robert Bookheimer – KB3MHZ**

**Earl Bookheimer – KB3MHY**

**Larry Snyder – KB3MHT**

#### New Members Motion

Approved by: Carl – AA3IX

Second by: Larry – KB3JMS

Carried (Y/N) Y

The LVARC Monthly Business Meeting Closed at 2222 hrs, EST.

Motion by: Larry – W2UL

Second by: Jeff – N3MFT




In favor: Y

Respectfully Submitted de KB3HMK, Secretary.

|  |                      |        |   |
|--|----------------------|--------|---|
| \$\$\$   | <b>W3OI Finances</b> | \$\$\$ |  |
| <b>Balance as of May 30, 2005 - \$1,043.67</b> |                      |        |   |



## This Month In Ham Radio

| Sunday   | Monday   | Tuesday  | Wednesday | Thursday | Friday   | Saturday  |
|--|--|--|-----------|----------|--|---|
| <div> <div>July</div>  </div> |  |  |           |          | RAC<br>Canada<br>Day<br>Contest<br>1                                 | Venezuelan<br>Ind. Day<br>Contest<br>World<br>Lighthouse<br>Contest 2 |
| Venezuelan<br>Ind. Day<br>Contest<br>World<br>Lighthouse<br>Contest 3  | <div> <div>ARES<br/>RACES<br/>Net<br/>7:30</div> </div> 4  | <div> <div>LVARC<br/>Meeting<br/>Red Cross<br/>7:30</div> </div> 5 | 6         | 7        | 8  | FISTS<br>Summer<br>Sprint<br>IARU HF<br>World<br>Champ. 9             |
| <div> <div>Deadline to<br/>schedule<br/>test<br/>session</div> </div> IARU HF World<br>Champ. 10               | <div> <div>ARES<br/>RACES<br/>Net<br/>7:30</div> </div> 11   | 12   | 13        | 14       | <div> <div>LVARC<br/>VE Test<br/>Session<br/>7:00 pm</div> </div> 15 | CQ<br>Worldwide<br>VHF Contest<br>16                                  |
| CQ<br>Worldwide<br>VHF Contest<br>17   | <div> <div>ARES<br/>RACES<br/>Net<br/>7:30</div> <div>KA3UQP<br/>Jim</div> </div> 18   | 19   | 20        | 21       | 22   | Great Lakes<br>Sweeps<br>23   |
| Great Lakes<br>Sweeps<br>24  | <div> <div>ARES<br/>RACES<br/>Net<br/>7:30</div> <div>KA3GZV<br/>Robin</div> </div> 25   | 26   | 27        | 28       | 29   | RSGB IOTA<br>contest<br>30  |
| RSGB IOTA<br>contest<br>31   | <div>  <div>2005</div>  </div> |  |           |          |  |   |

**LVARC Meeting -Tuesday July 5, 2005 7:30 pm at the Red Cross**

**Test Session - Friday July 15- 7:00 pm - Red Cross Bldg.**



## LVARC Activities/Events

Mark your Calendar

PRINT, CLIP and POST



Monday July 4 --- **NO LC RACES/ARES Net (Holiday)**

Tuesday July 5 --- **LVARC Meeting - 7:30 PM (Red Cross Bldg.)**

Monday July 11 --- **LC RACES/ARES Net - 7:30 pm (146.94)**

Friday July 15 --- **Test Session (7:00 Red Cross Building)**

Monday July 18 --- **LC RACES/ARES Net - 7:30 pm (146.94)**

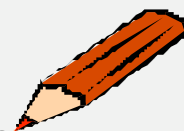
Monday July 25 --- **LC RACES/ARES Net - 7:30 pm (146.94)**

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

**REMEMBER:** The LVARC offers all levels of 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.

**REGISTRATION IS REQUIRED!!!** Registration must be made no later than the Sunday before the Friday test session.



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

## US Flag Facts



It has changed 26 times since the first official U.S. flag was approved by the Continental Congress on June 14, 1777

The United States flag today. The 50th star was added on July 4, 1960 for Hawaii, which entered the Union on August 21, 1959.

The flag of the United States of America today has 13 stripes - 7 red and 6 white - and 50 white stars on a blue field - five rows of 6 and four rows of 5. The stripes remind us of the 13 original colonies that gained us our liberty. The stars represent the states that are bound together into one country.



## Cell Phone "Do Not Call List"

In case you have a cell phone, you may find the following to be of value.

=====

Very soon, cell phone numbers are being released to telemarketing companies and you will start to receive sale calls. You will be charged for these calls.



Call this number from your cell phone 888-382-1222.

It is the national DO NOT CALL list. It only takes a minute of your time. It blocks your number for 5 years. Please pass this on to everyone you know who doesn't want to be hassled.

This is a Government agency with the FCC and FTC.

## Lehigh County EMA Requests Photos

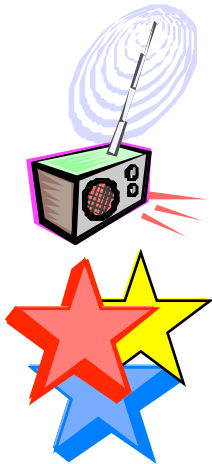


In preparation for the creation of ID badges, the LC EMA office and EC Jeff Kelly (N3MFT) is requesting that all LC RACES or prospective RACES members, send Jeff a digital photo yourself to [N3MFT@arrl.net](mailto:N3MFT@arrl.net).

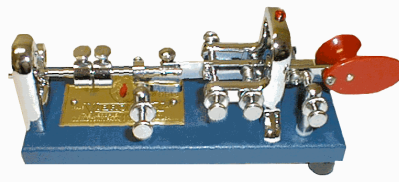


**To have something published in the E-VOX**, send your favorite joke, radio related article, review of an item, diagram, etc. to Mark Miller (AK3M) at [AK3M@rcn.com](mailto:AK3M@rcn.com) or US mail to 5508 Hale Avenue, Bethlehem, PA 18017.





## LVARC AUCTION A BIG SUCCESS

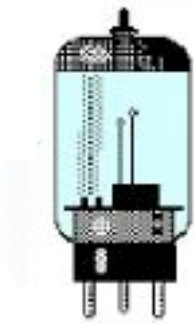


The LVARC Auction was a HUGE success! The auction was held on June 7, 2005 prior to the LVARC regular business meeting.

A BIG TNX goes to Frank (W3FTU) for organizing this event! Also, TNX to Tom (K3ARI) for acting as the auctioneer!

The club earned \$190.00 from the event.

Could this have been the *first annual* LVARC auction ??





## Monday Night RACES/ARES Net Control Operators



July, 2005

July 11  
July 18  
July 25

AK3M  
KA3UQP  
KB3GZV

Mark  
Jim  
Robin



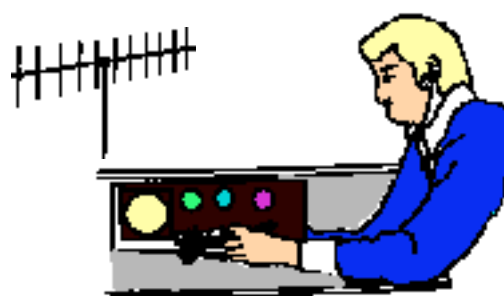
**REMEMBER: Registration for the monthly VE test session, must be made NO LATER THAN THE SUNDAY BEFORE THE TEST!**

**Contact Mark (AK3M) at [AK3M@rcn.com](mailto:AK3M@rcn.com) or call 610-865-9183**

## New Hams In the Lehigh Valley

The LVARC VE program is proud to welcome three new hams and one upgrade to the amateur radio community.

**CONGRATULATIONS** to the following new hams. These hams all passed their tests at an LVARC test session.

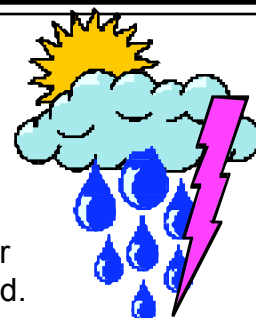


Larry Snyder - KB3MHT  
Bob Brookheimer - KB3MHZ  
Earl Brookheimer - KB3MHY  
Samuel "Bryce" Williams - upgrade to General



## Lightning - Revisited

Source: "Liberty Lines"  
A Liberty Mutual Newsletter  
Vol. 9, Issue 2  
Summer, 2005



Do you know the best way to be safe in a lightning storm? Not your equipment, but you personally. The following guidelines are offered. You may have seen them before, but a review is always prudent.

### AT HOME:

- DO** make sure animals are under shelter if hail is predicted.
- DO** unplug televisions and computers before a storm hits, but *never* touch cords or cables when lightning is in the area.
- DO** find the safest place to wait out the storm, usually the basement or a room without windows.
- DO** use the **"30-30 Rule."** When you see lightning, count the seconds until you hear thunder. If it is 30 seconds or less, the thunderstorm is close enough to be dangerous. After the last thunderclap, wait 30 minutes or more before leaving shelter.
- DON'T** take a bath, Stay away from plumbing fixtures. Metal pipes can transmit electricity.
- DON'T** handle telephones or electrical devices during a storm: lightning can follow the wires.

### IN A VEHICLE:

- DO** pull off the road, turn off your engine and stay in your car. Turn on your emergency flashers.
- DON'T** park under trees or in low-lying areas prone to flooding.
- DON'T** touch metal objects such as door handles, radio controls or the steering wheel.

### IF TRAPPED OUTDOORS:

- DO** crouch down and lean forward, with your hands on your knees to make yourself as small as possible while minimizing contact with the ground.
- DON'T** seek shelter under anything tall, such as a tree, it's a likely target for lightning.
- DON'T** lie flat on the ground. Currents can travel across the surface.



## LVARC VE Report

At the May 20, 2005 LVARC test session, three tested and two passed.

**CONGRATULATIONS** to **Rich Hetzel** (KB3KIO) on passing his General exam and **Larry Snyder** earned his Technician !!!!

TNX to VE's Rod (N3XG), Walt (KE3SP) and Frank (W3FTU)

By special arrangement, a test session was offered on May 21, 2005. Three tested and three passed. **CONGRATULATIONS** to **Bob Brookheimer** and **Earl Brookheimer** who passed the Technician exam and **Bryce Williams** (KB3MGZ) on earning his General class license.

Special TNX to VE's Frank (W3FTU) and Larry (NR3R) for arranging their schedules and being available for this special session.

### LVARC VE Program



## Comments Made in 1957

"I'll tell you one thing, if things keep going the way they are, it's going to be impossible to buy a week's groceries for \$20.00."

"Have you seen the new cars coming out next year? It won't be long before \$2,000.00 will only buy a used one."

"Did you hear the post office is thinking about charging a dime just to mail a letter?"

"If they raise the minimum wage to \$1.00, nobody will be able to hire outside help at the store."

"When I first started driving, who would have thought gas would someday cost 29 cents a gallon. Guess we'd be better off leaving the car in the garage."

"I read the other day where some scientist thinks it's possible to put a man on the moon by the end of the century. They even have some fellows they call astronauts preparing for it down in Texas."



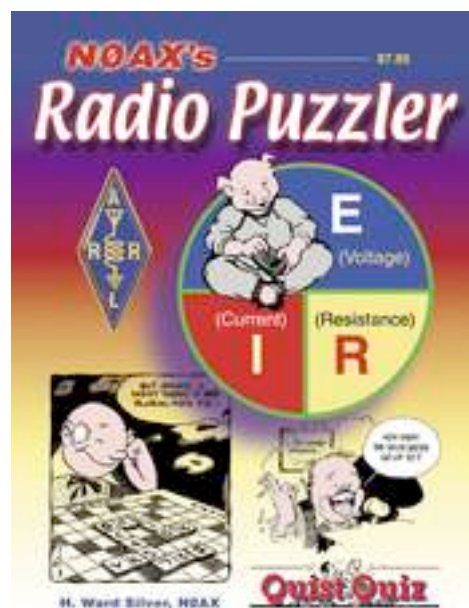
## N0AX's Radio Puzzler \*\*

-- By H. Ward Silver, N0AX

Sharpen your pencil--while sharpening your mind! Here's a fantastic collection of **Test Your Knowledge articles** from *QST*, and other challenging logic problems. Enjoy puzzles, quizzes, humorous articles, and word problems; sprinkled with some vintage cartoons. A ham operator's delight!

**Online Special \$5** (was \$7.95)

First edition. © 2001, The American Radio Relay League, Inc. (ISBN: 0-87259-822-5) #8225 -- \$5.00



## ARRL SIGNING MEMORANDUM OF UNDERSTANDING WITH CIVIL AIR PATROL

The Civil Air Patrol (CAP) and ARRL will sign a Memorandum of Agreement during Dayton Hamvention, May 20-22, where CAP plans to field a major presence. The agreement will spell out guidelines for CAP--the US Air Force Auxiliary, and ARRL--the national association for Amateur Radio, to better use and integrate their resources during communication exercises and emergencies.

"Civil Air Patrol has one of the largest unified communications networks in the nation," said CAP Lt Col Maurice Thomas, N3ADV. "Federal, state and local agencies call on CAP members every day for communication support in search-and-rescue missions and disaster relief." Thomas says CAP, which has been in existence for more than 60 years, needs "implementers" for its communication technology, and highly skilled ham radio operators are "a natural resource."

From:  
The ARRL Letter  
Vol. 24, No. 20  
May 20, 2005

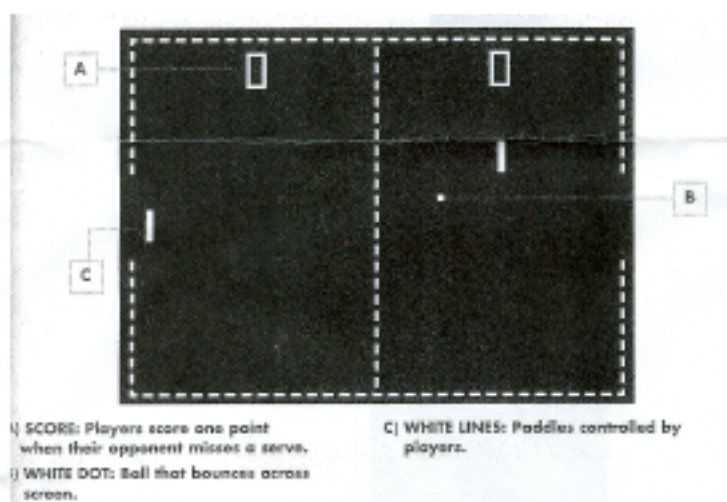
## "From The Past"

de Mark  
(AK3M)



I found this article in an old magazine "The Inventor's Times," and purposely blacked out the year. Can you supply the year this article was published?

(see page 15)



## Looking for Articles

### Material for the newsletter wanted!

Send your contribution to the E-VOX to: Mark (AK3M) at [AK3M@rcn.com](mailto:AK3M@rcn.com). Your submission can be a visual and/or text.





## SkyWarn ID Cards Issued



By the time this newsletter goes to print, those who attended the April 17, 2005 SkyWarn training class, should have received their ID cards.

These cards were issued from the National Weather Service in Mount Holly, NJ. **CONGRATULATIONS to all who participated ....** just in time for severe Summer WX in the Lehigh Valley!

*Making a copy of this card would be a good idea!*



## Answer to "From The Past"

(See page 14)



The article appeared in **1972** ! We have come a LONG way since "Pong!" How close was your guess?