

# The *E-VOX*

## The Official *On-Line* Newsletter of the *Lehigh Valley Amateur* *Radio Club - 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)

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**Frank Unger - W3FTU** (funger@enter.net)

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### Repeaters

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

### RACES NET

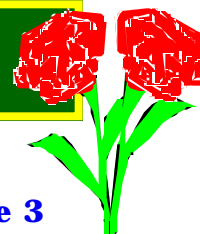
*Every Monday at 7:30 (ET)*  
**146.34 / 146.94 (PL 71.9)**  
*All are welcome !*



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



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

**Program:** Basic Electronics - Part 3

**Presenter:** Paul Ryan (NOKIA)



## 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

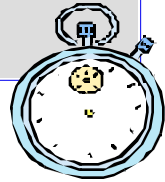
<u>Month</u>	<u>Number of Check-In's</u>	<u>Number of Mondays</u>
January	169	5
February	130	4
March	126	4





## Minutes of the April 5, 2004 Meeting

de Phil (KB3HMK), - Secretary - LVARC



### **Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes**

The meeting was called to order by President Wolfe at 1936 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 14 members in attendance, and the club was joined by 2 guests. The following Board Members were present at the meeting: Rod – N3XG, Phil – KB3HMK, Paul – N0KIA, Robin – KB3GZV, Jim – KA3UQP

Corrections Additions to the minutes: No corrections or additions needed.

Approved by: Jeff – N3MFT  
Second by: Dave – W3AMC  
Carried (Y/N) Y

Treasurer's Report (Paul - N0KIA)  
Previous balance of \$1,285.65  
Ending balance of \$1,330.13

Approved by: Mark – N3ULR  
Second by: Jim – KA3UQP  
Carried: (Y/N) Y

#### Committee Reports:

Repeater: A requisition for the 146.94 voting system has been submitted. Unknown at this time what the status is. The interference problem with 147.135 repeater has been rectified for the most part. There are some areas in the valley that you can still hear the N.J. repeater. The club suggests using the p.l. tone. The time has been changed for the 146.94 repeater, the 147.135 repeater will be changed this week.

Program: Tonight's program will be Chuck – WA3MGD and he will be doing a presentation on Radio Wave Physics. May's program will be Paul – N0KIA doing part 3 of Intro to Basic Electronics. If you cannot make next months meeting, he will be doing the same program this Thursday at the W3OK club meeting. The material for the program is available on the website. April 19 is the Annual W3OI Dinner Meeting. It will be held at the Friendly's at the Lehigh Valley Mall at 1930 Hrs.. The guest speaker will be Don Jacobs. He is the Eastern Regional Training Officer for P.E.M.A.. He will be doing a talk on the N.I.M.S. system and how it affects amateur radio. If you would like to attend, let Phil – KB3HMK know.

Volunteer Examiners: No report

Field Day: Will be June 25 & 26 of this year. It will be held at the Whitehall Parkway off of Rt. 145 in Whitehall. The club is looking for a scheduler and a logistics person to make sure we have the necessary equipment. Anyone interested, let Rod know. We will most likely be running as a 3A station this year.

Web Site: The website is in working condition.



Education: This year we will have only one class in the fall. The club is looking into having a Level 1 EmComm course. The course is available online. The only problem is that some people have trouble with online courses. The club is looking into the cost for the course. More info to follow.

Old Business: We received numerous radio equipment from a gentleman who was once into amateur radio. He donated the items to the club. We will auction them off at the June Auction. The auction will be held in the Red Cross building. The sellers can bring the items that they want to auction off in between 1730 – 1800 Hrs.. Frank – W3FTU is handling the auction. The club received the paper work to apply for a 501c3. Dave – WA3HDR is helping in pointing us in the right direction. Rod & Paul will be working on this project. Skywarn training will be held on April 17 at the Lehigh Valley Hospital – C.C. auditorium. The program starts at 1630 Hrs. Anyone interested is to contact Larry – KB3JMS.

New Business: The club has been invited to attend the hamfest at Stroudsburg. We need people to help staff this event. Anyone interested contact Paul – NOKIA. Everyone should a membership card & badge. Rod will be looking into whether we can still get club shirts. More info to follow. Dorian – KB3GZW is a first year student at the Lehigh County Vo-Tech School. His teacher is preparing him for Skills competition which is mainly intended for junior and senior students. He won a bronze medal in the electronics division. Walt – KE3SP had a stroke on March 21. He is recuperating and doing fine. He looks forward to coming to the May meeting. If anybody knows of a fellow amateur that is sick or in the hospital, let Rod or a board member know. This way we will be able to send that person a card. There are 2 hamfests coming up. If interested, contact Paul for more info. The Atlantic Comm was held this past weekend. It's a fun time, entry fee is only \$10 and you get a kit to build. Any ?, contact Paul.

New members/Guests: Kevin Lundy – KC0TTY (New Member)

Chuck Briner – WA3MGD (Guest)

New Members Motion to Accept by: Mike – KB3LOD

Second by: Robin – KB3GZV

Carried (Y/N) Y

The LVARC Monthly Business Meeting Closed at 2021 Hrs, EST.

Motion by: Dave – W3AMC

Second by: Jim – KA3UQP

In favor: Y

Respectfully Submitted de KB3HMK, Secretary.

**Harry Buchin, W3TEB, was presented a Certificate of Recognition for 50 years of loyal membership in ARRL. He was also presented with a commemorative pin and a an honorary membership in the Diamond Club with a Diamond Club pin and car window decals. Harry has been licensed since 1953 !!!!**

**CONGRATULATIONS HARRY !!!!!**

**\$\$\$ W3OI Finances \$\$\$**

**Balance as of March 30, 2005 - \$1,330.13**





## This Month In Ham Radio

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	<b>ARES RACES Net 7:30</b> Paul NOKIA	<b>LVARC Meeting Red Cross 7:30</b>				Nev. Ind. Or. NE QSO Parties ARI Interntl. DX Contest
1	2	3	4	5	6	7
Nev. Ind. Or. NE QSO Parties ARI Interntl. DX Contest	<b>ARES RACES Net 7:30</b> Jeff N3MFT					Portuguese Navy Contest SSB/CW
8	9	10	11	12	13	14
Portuguese Navy Contest SSB/CW Deadline to schedule test session	<b>ARES RACES Net 7:30</b> Mark AK3M				<b>LVARC VE Test Session 7:00 pm</b>	VK/Trans-Tasman 80m Contest SSB
15	16	17	18	19	20	21
	<b>ARES RACES Net 7:30</b> Jim KA3UQP					
22	23	24	25	26	27	28
29	<b>NO NET</b>  Memorial Day	30	31	<div> <div>May 2005</div>  </div>		

**LVARC Meeting -Tuesday May 5, 2005 7:30 pm at the Red Cross**  
**Test Session - Friday May 20- 7:00 pm - Red Cross Bldg.**





## LVARC Activities/Events

Mark your Calendar

PRINT, CLIP and POST



**Monday May 2 --- LC RACES/ARES Net - 7:30 pm (146.94)**

**Tuesday May 3 --- LVARC Meeting - 7:30 PM (Red Cross Bldg.)**

**Monday May 9 --- LC RACES/ARES Net - 7:30 pm (146.94)**

**Monday May 16 --- LC RACES/ARES Net - 7:30 pm (146.94)**

**Friday May 20 --- Test Session (7:00 Red Cross Building)**

**Monday May 23 --- LC RACES/ARES Net - 7:30 pm (146.94)**

**\*\*\* Monday May 30 --- NO NET - Memorial Day Holiday \*\*\***

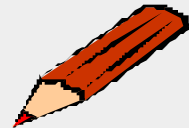
There may be additions and deletions to the above dates. Listen to the Monday Night Net, the newsletter and announcements at meetings for changes.



**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.

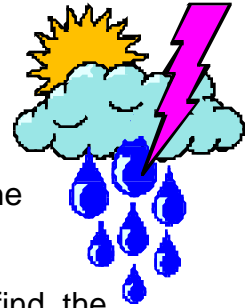


To schedule a test or for more information, contact Mark (AK3M) at AK3M@rcn.com or call 610-865-9183.



## **Weather Survey from NOAA - de Jeff (N3MFT)**

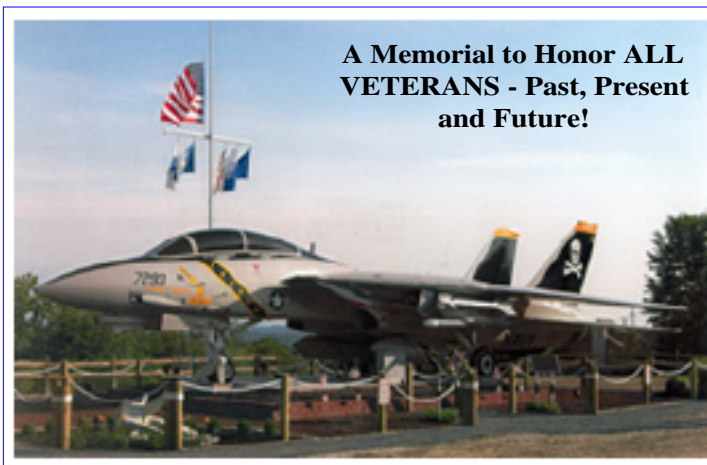
Those interested in weather forecasting, as done by the National Weather Service, especially spotters, may be interested in taking the survey that NOAA is running.



Go to **www.weather.gov** and click on the "survey" link. You will find the link located at the end of the paragraph, at the top of the front page. Many of the questions refer to the format and style of forecast and advisory-watch-warning usage.



## **F-14 Tomcat Veterans Memorial Egypt VFW Post 7293**



**A Memorial to Honor ALL  
VETERANS - Past, Present  
and Future!**

**The F-14 Tomcat  
Veterans Memorial**

**Come and See  
A Real F-14!**

**located at the Egypt VFW,  
on Eagle Point Hill, off  
Rt. 145 in Whitehall**

**Be a part of The F-14 Tomcat Veterans Memorial - Purchase a Memorial Brick!  
Memorial Bricks will be permanently set in the walkway at The F-14 Tomcat  
Veterans Memorial.**


You do NOT need to be in the military to purchase a brick. Many people are purchasing bricks as gifts to honor loved ones both living and deceased. **The cost is small, \$50 per brick...The meaning is priceless!** (Printed with permission)

**Egypt VFW Post 7293 - The F-14 Tomcat Memorial  
5209 Springmill Rd, Whitehall, PA 18052 - 610-262-1711**






## **LVARC TAILGATE AUCTION**



**JUNE 7, 2005  
LVARC AUCTION AT THE  
RED CROSS - 6:30 pm**



Take this opportunity to clean out your shack, garage, workshop and basement of radio items and paraphernalia you no longer use or need. You will benefit and so will the LVARC. Proceeds will be split 50/50 between the seller and LVARC.

**This will be an indoor auction, in the room used by the LVARC.**

**Auction will begin promptly at 6:30  
prior to the June 7, 2005 meeting.**

***Tom Braun (K3ARI) of RCN  
will be the host and auctioneer!***

**Please contact Frank Unger (W3FTU) for further  
information or if you wish to sell items at this event.**

**Phone (610) 691- 6731  
or email at: [funger@enter.net](mailto:funger@enter.net)**



## Monday Night RACES/ARES Net Control Operators



May, 2005

May 2  
May 9  
May 16  
May 23  
May 30

NOKIA  
N3MFT  
AK3M  
KA3UQP  
NO NET

Paul  
Jeff  
Mark  
Jim  
HOLIDAY



**“Girl From Ipanema”** - Recently, the song, “*Girl From Ipanema*” has been resurrected and used in a TV commercial (Special K).



As a good ham who is familiar with geography, answer this:  
**“Where is Ipanema?”**



(a) Brazil (b) Venezuela (c) Mexico (d) Australia

(Answer on page 12)

## LVARC June Activities!

**Mark Your Calendar**



Tuesday June 7 -- LVARC **Auction** - 6:30 pm

Tuesday June 7 -- LVARC **Business Meeting** - 7:30 pm

Friday June 17 -- LVARC **Test Session** - 7:00 pm

Saturday June 25 thru Sunday June 26 -- **FIELD DAY**



## ARRL SPOTLIGHTS HAM RADIO AT EMERGENCY MANAGEMENT CONFERENCE - de Jeff (N3MFT)



The ARRL promoted Amateur Radio at the National Emergency Management Association (NEMA) Mid-Year Conference February 12-13 Washington, DC. With help from Maryland-District of Columbia Section Emergency Coordinator Mike Carr, WA1QAA, and Assistant Section Manager and Emergency Coordinator Jim Cross, WI3N, ARRL Emergency Communications Course Manager Dan Miller, K3UFG, staffed an Amateur Radio exhibit booth at the gathering.

"This event provided excellent exposure for Amateur Radio to the larger emergency management community," Miller said. "Interaction with those representing many diverse levels of emergency management is a win-win proposition." Miller said the ARRL's presence further established the League as a national point of contact to answer questions about Amateur Radio's emergency communication capabilities. At the same time, he said, it gave League representatives a chance to hear the concerns of emergency managers for followup with local ARES teams.

The conference also offered an opportunity for NEMA members--ARRL included--to discuss the many challenges facing the emergency management world, to share solutions, grow professionally, network with peers and strengthen relationships with partner organizations. NEMA also shared with federal officials its views on emergency preparedness for all hazards. Individuals and organizations involved in shaping the future of homeland security and emergency management offered presentations and forums.



Miller said many of the nearly 350 attendees representing federal and state emergency management and other agencies around the US stopped by the ARRL booth to complete a short questionnaire and to discuss Amateur Radio--with a focus on emergency communications.

**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**



**“Girl From Ipanema”** - Recently, the song, “*Girl From Ipanema*” has been resurrected and used in a TV commercial (Special K).



As a good ham who is familiar with geography, answer this: **“Where is Ipanema?”**

- (a) **Brazil**   (b) Venezuela   (c) Mexico   (d) Australia

**(a) Ipanema is in Rio De Janeiro, Brazil !!!!!**



## Your Article Here

Have something to sell, say, offer? Your article can appear in the E-VOX! E-mail or US mail your submission to Mark (AK3M) at [AK3M@rcn.com](mailto:AK3M@rcn.com) or 5508 Hale Avenue Bethlehem, PA 18017.



## LC EMA News



Mr. Robert Edwards, LC EMA Director, left his position in March, 2005.

The job of Director of Lehigh County Emergency Management will be filled by **Tom Nervine**.

**The LVARC wishes Tom the best of luck in his new position!**



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**How Many Hams Are In the United States?** (from QRZ.com)

Total number of USA Licensed Amateurs by Class

**As of May 14, 2000:**

**Novice** - 49,329  
**Tech/+** - 334,254  
**General** - 112,677  
**Advanced** - 99,782  
**Extra** - 78,750  
**Total all classes** - 674,792

**As of March 15, 2005**

**Novice** - 29,098 (-41.02%) (-20,231)  
**Tech/+** - 318,387 (-4.74%) (-15,867)  
**General** - 137,334 (+21.88%) (+24,657)  
**Advanced** - 77,035 (-22.80%) (-22,747)  
**Extra** - 106,238 (+34.91%) (+27,488)  
**Total All Classes** - 668,163

Total all classes (5/14/00) - 674,792  
Total all Classes (4/21/03) - 687,860  
Total all classes (9/6/04) - 674,788  
Total all classes (2/15/05) - 668,163

Total loss of 6,629 since 5/14/2000 ( Was 674,792)  
Total loss of 6,625 since 9/6/2004 ( Was 674,788)  
Total Loss of 19,697 since 4/2003 (all time high of 687,860)

Notes: For the 8th straight reporting period, all classes except for Extra declined.  
There was a net loss of 618 licensees in this reporting period from the last reporting period.

From the last reporting period, We lost:

139 Novices  
287 Tech - Tech+  
151 Generals  
175 Advanced

We gained:

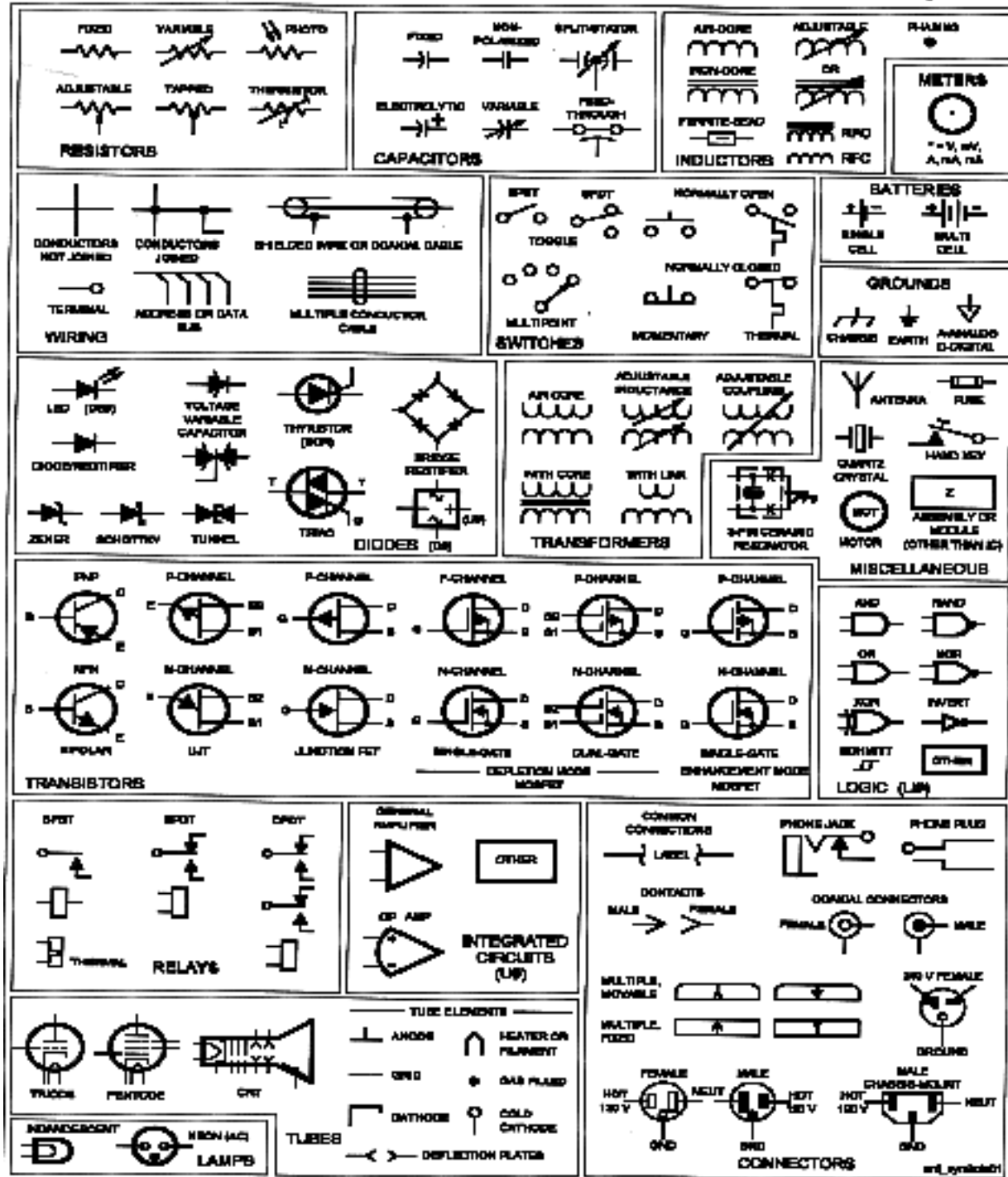
71 Extras

Net Loss: 681 since 2/28/05



## Schematic Symbols for the Experimenter

(from QST - April, 2005 - page 59)







## PRESIDENT TAPS COMMISSIONER KEVIN J. MARTIN TO HEAD FCC



President George W. Bush this week announced his intention to designate Commissioner **Kevin J. Martin to chair the FCC**. He'll replace Michael K. Powell, who stepped down this month. Martin, 38, a North Carolina attorney with close White House ties, has served on the FCC since 2001. In congratulating Martin on his appointment, ARRL CEO David Sumner, K1ZZ, also took the opportunity to refresh Martin's memory regarding Amateur Radio's stake in the broadband over power line (BPL) issue. Last July, Sumner and ARRL General Counsel Chris Imlay, W3KD, met with Martin and aide Sam Feder to discuss their fears about radio interference from BPL systems. When the FCC unanimously adopted new BPL rules last October, Martin acknowledged Amateur Radio's concerns, said he would take them seriously, and expressed confidence that the Commission would take the necessary steps to address interference.

"Unfortunately, I must advise you that the Commission's record of addressing BPL interference has proved to be woefully inadequate," Sumner continued, citing continued BPL interference complaints. "To date the Commission has not ordered a single BPL system to be shut down, despite the failure of BPL system operators to resolve interference," Sumner pointed out.

This week, the League renewed its complaint of ongoing BPL interference in Briarcliff Manor, New York, and filed a complaint with the Enforcement Bureau and the Office of Engineering and Technology outlining an ongoing BPL interference case in Irving, Texas (see below).

"The ARRL and the nation's radio amateurs are anxious for a sign that we can expect this sorry situation to be corrected under your leadership," Sumner concluded. Since he already sits on the FCC, Martin's appointment will not require US Senate confirmation.

Considered the front-runner for the job, Martin said he was "deeply honored" to be tapped as the next FCC chairman. While Martin and Powell reportedly clashed over telephone deregulation and media ownership issues, they essentially were on the same page regarding the promotion of BPL. News accounts say that Commissioner Kathleen Q. Abernathy, a Republican and a BPL booster, is also planning to leave the FCC. Abernathy's now-notorious "broadband Nirvana" remarks about BPL drew sharp opposition from the amateur community.

BPL manufacturer Ambient Corporation promptly issued a news release hailing the appointment of Martin as "a vocal proponent" of BPL systems and citing segments of Martin's laudatory comments about the technology following the FCC's October 14, 2004, adoption of new BPL rules.

Sumner pointed out to Ambient, however, that its news release ignored some of Martin's other comments in his statement last fall, in which the commissioner acknowledged Amateur Radio operators' and broadcasters' interference worries and concluded, "I am confident that the Commission will continue to monitor these concerns and will take steps, where needed, to address interference problems going forward."

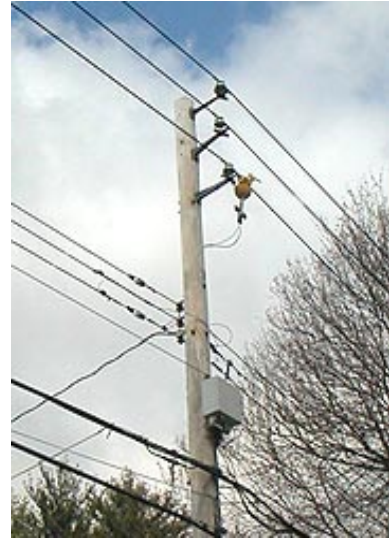
Sumner reminded Ambient that the League "already has called on Commissioner Martin to do exactly that."

Attending his 90th FCC meeting and his last as chairman, Powell said good-bye to his Commission colleagues March 10. "I've loved it! Every single day of it," he proclaimed, his voice beginning to crack. "It will be the greatest memory of my life."

## **BPL Rears Its Ugly Head (again) In New York State**

(from the ARRL website)

The ARRL has charged BPL equipment maker Ambient Corporation and the FCC with being unwilling or unable to effectively deal with harmful interference stemming from a New York BPL pilot project. The League this week asked the Commission for the third time to shut down Ambient's **Briarcliff Manor** "non-compliant system without further delay" until Ambient addresses interference complaints. The League's latest salvo in the Briarcliff Manor BPL battle was in response to a February 10 letter from Bruce Franca, deputy chief of the FCC Office of Engineering and Technology (OET). Franca's letter concluded that FCC measurements in response to Amateur Radio complaints of harmful interference showed no changes were required to the BPL system.



**An Ambient BPL power-line connection in Briarcliff Manor (home of LVARC member Larrie - W2UL). The yellow object is a tap off the medium-voltage primary. The gray cabinet holds the electronics. [Alan Crosswell, N2YGK, Photo]**

"The Commission's failure to conduct a thorough investigation of this matter, and the tenor of your February 10, 2005, letter, lead to speculation that the Commission is really not interested in finding the interference that exists at Briarcliff Manor or at other BPL test sites or in enforcing the Part 15 rules," the ARRL responded. "Ambient's apparent tactic of making changes in the system after receiving interference complaints and then denying that the interference problems complained of ever existed is not helpful." Nor did it help, the League's filing continued, that Ambient's engineer refused last December to participate with ARRL in a demonstration of the interference. The League said it's no longer possible for the Commission or Ambient "to deny the ongoing, serious interference problems at Briarcliff Manor."

The League pointed out that a member of the FCC Enforcement Bureau's staff personally witnessed the interference from the Briarcliff Manor system at two locations that were the focus of complaints last December. Franca's February letter failed to acknowledge video documenting the visit and uploaded to the League's Web site, even though the ARRL has provided him with the URL. At that time, ARRL Laboratory staff members took measurements at various points in the system to document problems.

While subsequent ARRL measurements did turn up a reduction of BPL emissions in some areas, emissions that would "substantially preclude Amateur communications" remain, the ARRL said, and along Dalmeny Road, interference is still at levels essentially unchanged from those measured last December and appear throughout the 20-meter band.

ARRL Laboratory staff members most recently visited Briarcliff Manor on March 11, and the League's filing to the FCC and Ambient this week included a summary of their measurements and observations. At one point, RF emission levels from the BPL system exceeded the FCC's Part 15 permitted levels by up to 20 dB, the League said.



## ARRL Seeks Information on 60-meter Experiences

(Mar 17, 2005) - from the ARRL website



The ARRL is gathering information regarding Amateur Radio operating experience on the 60-meter band authorized in 2003. The League specifically is looking for responses to these questions:

- 1) Did you have any problem getting your transmitter/transceiver properly set up on one or more of the 60-meter center-frequency channels--5332, 5348, 5368, 5373 and 5405 kHz?
- 2) How much or how often have you used these frequencies?
- 3) What type of traffic have you transmitted? In particular, have you handled any emergency traffic?
- 4) Have you found 60 meters to be better than 80 or 40 meters for certain times or distances?
- 5) Have you encountered any interference to or from government stations that are assigned these channels on a primary basis? If so, how was it resolved?



Respondents are invited to share additional information that might help the ARRL to assess operation on 60 meters to date as well as its use in the future. Please reply by Monday, March 29, to ARRL Chief Technology Officer, Paul Rinaldo, W4RI

*"You see, wire telegraph is a kind of a very, very long cat. You pull his tail in New York and his head is meowing in Los Angeles. Do you understand this? And radio operates exactly the same way: you send signals here, they receive them there. The only difference is that there is no cat."*

--- Albert Einstein, when asked to describe radio US (German-born) physicist (1879 - 1955)

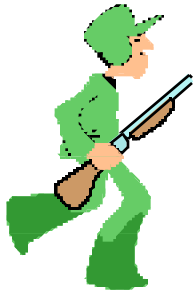


## LVARC Word Find

C Q Z K H L U K S  
 A B F W Y W U N P B I M R V V B O  
 Y K K L E U I W J I N E R V L O K N I C S D G T  
 X I R V S C B F K O K I C M A U X H P U S Z Z P  
 N O I W O A C N C E B A D Y O R K F I N D F O Y M  
 W E H T C H L T C B B E Y G H H Y J G E Q O X B K  
 Q V T W H H Y F B B L W K B A L T C Z S U H Z W  
 E I G C O F V J R O K V A U R C B Q K O R F V  
 C N R L O S X Z V A T G H R G P T W V O Y I F  
 L B E N K N A P W B C I G P M C F D W G U O O  
 V H Y U F R T R Y H E E I M Y D W I Q H R P X X  
 B E X N V U S R R G G C Z S K I P M N A V Z Q X B  
 I A P T M O X Z O K P V W H O E W C N F V X N  
 Q D U L O J S S O L B E O W L H O E W C N F V X N  
 A Y X Y J I T S S O L B E O W L H O E W C N F V X N  
 S X L G X J I T S S O L B E O W L H O E W C N F V X N  
 D G X A K K D I B I S C G L V I H C F R W Y H N O P E L W  
 G F Q F M K K D I B I S C G L V I H C F R W Y H N O P E L W  
 G N I T F E N M F L O S Q L W A B G H C K J N E C M H V L  
 P X L V G E U K K X P V A Y O N C Z Z S K E Y Q N  
 I T H V S L R R X A Z Y F P T L Y W O E I R F  
 U R M X A V D R R A V W U B E X Z Q F N M T V A  
 O H O D T R C L W L T L X F V B S H V Z N V G Q  
 J K F U Z P C R C V Q I X H U B B W D N G Q  
 S M H A F K Y X W Z F N I Q Y J M B R M J L  
 T D B J Q E M Y G Y U W D T S W V K X J H O G U Z E I W K  
 S X Z O A U E J H W D T S W V K X J H O G U Z E I W K  
 A N O T A V V Z E X F R E Q U E N I L R O U Z E I W K  
 S B M O A Y V Z E X F R E Q U E N I L R O U Z E I W K  
 W V W A F A B K U Q N A B J O L U V E A T B W Y  
 L G X H Q D N V F J W Z N M F R C T X G F B S S  
 I Q Z G Z D Y C S R U U D T C G D I Z T V J S M  
 D Q M F K L W B U Z E G S I C E Y B H T H U B M  
 N O Z A O E I B D R I E E C Z K N M H F R E E I D R  
 Q U K U P I G R W O I E E C Z K N M H F R E E I D R  
 M W Q T J F V L R H N W S L W P N A M D G V I

NETCONTROL  
 VERTICAL  
 DIPOLE  
 LVARC  
 MEETING  
 FIELD DAY  
 FREQUENCY  
 VFO

ANTENNA  
 BEAM  
 RACES  
 ARES  
 DX  
 HF  
 VHF  
 UHF



## Memorial Day History



Memorial Day, originally called Decoration Day, is a day of remembrance for those who have died in our nation's service.

Memorial Day was officially proclaimed on 5 May 1868 by General John Logan, national commander of the Grand Army of the Republic, in his General Order No. 11, and was first observed on 30 May 1868, when flowers were placed on the graves of Union and Confederate soldiers at Arlington National Cemetery. The first state to officially recognize the holiday was New York in 1873. By 1890 it was recognized by all of the northern states. The South refused to acknowledge the day, honoring their dead on separate days until after World War I (when the holiday changed from honoring just those who died fighting in the Civil War to honoring Americans who died fighting in any war). It is now celebrated in almost every State on the last Monday in May (passed by Congress with the National Holiday Act of 1971 (P.L. 90 - 363) to ensure a three day weekend for Federal holidays), though several southern states have an additional separate day for honoring the Confederate war dead.

**Don't Forget .....** to keep the LVARC  
"Back-Up" repeater in your radio's memory!

The repeater is **147.735/147.135**  
with a PL of **167.9**.



**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.



After upgrading to General at the February 18, 2005 LVARC test Session, Tom Braun changed his call from KB3IYB to **K3ARI**.

Tom wanted a call with his initials (K3TEB) but did not want to be confused with LVARC's esteemed charter member Harry (W3TEB).

Congratulations on the upgrade and the new call Tom !!!!!



By the way, Tom chose his new call in honor of his daughter, **ARI**ana!

**How many countries  
are in the world?**



**How Many Countries Are in the World?**, was recently updated on December 6th, 2000. It states that depending on the source, the world has either **189, 191, or 192** countries.

**Source:**

<http://web.ask.com/redir?u=http%3a%2f%2fask.yahoo.com%2fask%2f20010105.html>

## **LVARC's Bob Wiseman (WB3W) Has A Powerpoint Presentation Available from the ARRL Website!**

[EchoLink](#) -- EchoLink uses VoIP (Voice Over Internet Protocol) to allow licensed Amateur Radio Operators to communicate with other Amateurs via the Internet. Originally developed by Jonathan Taylor (K1RFD) in 2002, EchoLink is just one of many communication options available to hams today. **Bob Wiseman, WB3W**, presents a very informative presentation on this new communication tool. In it he describes how it works, basic setup and what equipment and interfaces are commonly used by hams using EchoLink. **Bob's presentation is available for download at the LVARC website or the URL below.**

<http://www.arrl.org/FandES/ead/materials/videos.html>





## **SKYWARN TRAINING TO BE HELD ON APRIL 17, 2005**



### **SKYWARN TRAINING**

**Sunday, April 17, 2005 ^ 4:30 pm**

**AT: Lehigh Valley Hospital Auditorium**  
South Cedar Crest Blvd. (Rte. 29) and Interstate 78  
Allentown, PA

**\*\*\* Registration Is Necessary \*\*\***

Larry , who is a meteorologist at the National Weather Service office in Mount Holly, NJ, will be the instructor for the training session. In addition to Larry, we will have Ed Hanna, Chief Meteorologist, from WFMZ-TV 69 News/AccuWeather Channel, who will be providing the added dimension of local flavor to the training session.

The session will last approximately 2 to 3 hours including a mid-point break. April is the time to prepare for the storms that will arrive in the spring and summer. Skywarn information is key information for the national weather service and is provided by volunteers like you. If you have attended a prior class, now would be the time for a refresher. Skywarn classes are not presented often, so take advantage of this opportunity. Everyone who attends will be eligible for certification as a National Weather Service Skywarn Spotter.

**Registration is on a first come, first serve basis and only those who have registered will be admitted. Once the capacity of the room has been reached the course will be closed. You may register by sending an email to Larry (KB3JMS) at [kb3jms@netzero.com](mailto:kb3jms@netzero.com)**



## The MS Society Needs Your Help!



### MS Walk – Easton --- Sunday, April 17, 2005

The DLARC will be providing communications for the Easton MS Walk and is in need of 5 to 6 additional operators.

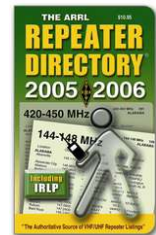
The staff for the event will be arriving at 8:00 am with the event starting at 10:00 am. However by 8:30 am / 9:00 am some people will have signed in and will immediately start the walk. To be effective we will arrive by 8:00 am and hopefully move to our assignments by 8:30 am. It takes about 2 hours to complete the 5.4-mile circuit. If all goes well the distant stations will be relieved by 11:15 am / 11:30 am and we should complete operations by approximately 1:00 pm.

If you are interested in using your communication skills to help this worthwhile organization, contact Larry (KB3JMS) at [kb3jms@netzero.com](mailto:kb3jms@netzero.com) or Charlie (W3DEA) at [w3dea@snycomp.com](mailto:w3dea@snycomp.com).



### The ARRL Repeater Directory -- 2005-2006 Edition

- \* Repeater Operating Practices and hints for newly licensed hams
- \* Frequency Coordinator contact information
- \* Using CTCSS tones and Digital Coded Squelch (DCS)
- \* VHF/UHF Band Plans and 2-meter channel-spacing map
- \* IRLP (Internet linked) nodes
- \* Tips for handling interference



(ISBN: 0-87259-942-6) #9426 -- \$10.95



### JEF RASKIN (KE6IGI) APPLE MAC INVENTOR ---- SK

Jeff Raskin, KE6IGI, who dreamed up the affordable, user-friendly computer that became Apple's Macintosh died on February 25th at his home in Pacifica, California.



Raskin was Apple's thirty-first employee when he joined the company in 1978. By the next year, he began to pursue his goal of simplifying the computer user's experience by focusing on a faster and more logical interface. He named the project the macintosh after one of his favorite fruits as a child in New York City.

Raskin, who had been diagnosed with pancreatic cancer a few months ago, was 61. A commemorative website for Jef Raskin is on-line at

<http://jef.raskincenter.org/home/index.html>