

The **E-VOX**

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



Lehigh Valley Amateur Radio Club - W3OI



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

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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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Field Day

This month

See pages 9 & 10



The June Meeting will be held on June 7, 2004
at the Red Cross Building at 7:30.

Program: **Preparation for Field Day!!**



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 2004

<u>Month</u>	<u>Number of</u> <u>Check-In's</u>	<u>Number of</u> <u>Mondays</u>
January	86	4
February	100	4
March	134 (record high!)	5
April	71	3 *

* Net suspended due to Bart's viewing 4/12/04



This Month In Ham Radio

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
FIELD DAY		LVARC Meeting Red Cross 7:30				RSGB National Field Day
		1	2	3	4	5
RSGB National Field Day	ARES RACES Net 7:30 KB3CKD					ARRL June VHF QSO Party MS 150 Bike Tour
6	7	8	9	10	11	12
ARRL June VHF QSO Party MS 150 Bike Tour	ARES RACES Net 7:30 KA3UQP		SARL Kid's Day		LVARC VE Test Session 7:00 pm	All Asian CW DX Contest Quebec QSO Party
13	14	15	16	17	18	19
All Asian CW DX Contest Quebec QSO Party	ARES RACES Net 7:30 KB3GZW KB3GZV					
20	21	22	23	24	25	26
	ARES RACES Net 7:30 NOKIA			June 2004 		
27	28	29	30			

LVARC Meeting -Tuesday June 1, 2004

7:30 pm at the Red Cross Building

LVARC VE Test Session - Friday June 18, 2004 7:00 pm



Minutes of the May 2004 Meeting de Rod (N3XG), - Secretary - LVARC

Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes

Date: May 4, 2004



Meeting Called to Order by President Miller at 1936 Hrs, EDST.

Pledge of Allegiance and a moment of silence were held in observance of silent keys.

A sign-in sheet was circulated; there were 20 members and 1 guest in attendance.

The following Board Members were present: President Miller, Vice-President Snyder, Treasurer Ryan, Secretary Wolfe, Board Member Gable, and Board Member James Kelly.

Corrections Additions to the minutes: No corrections or additions, minutes approved as published.

Treasurer's Report (Paul - N0KIA)

Paul N0KIA reports that the balance ending April 30 is \$808.60.

Committee Reports:

Repeater

Rod N3XG reports that with the help of Harold WZ3L, the 147.135 MHz repeater is on line again. Rod mentioned that he sent correspondence to Paul N0KIA and to Mark AK3M to halt the termination of the phone line. During the April meeting, Rod had made a motion to terminate the phone line service on the 135 repeater due to lack of use. Rod states that this was his error, and he has learned that we need to maintain the phone line for control purposes, and that is according to FCC rules and regulations. Rod also suggested that it would be beneficial to have a spare channel element for the 135 repeater. Jeff N3MFT stated that he would investigate getting a "link" frequency coordinated for the control of both the 135 and the 940 repeaters. Rod N3XG made a motion to maintain the phone line and not remove it as was decided in last month's meeting, for the purpose of maintaining FCC requirements. Paul N0KIA made a second to the motion. All present were in favor, none opposed. Motion carried.



(continued on page 6)

Program

(Continued from page 5)
Phil KB3HMR extended his thanks to Carl WK3C for filling in for Frank W3FTU on short notice. Frank was unable to attend due to a family emergency, and Carl offered to provide HT analysis on the spectrum analyzer. Next month we begin to prepare for Field Day.

Volunteer Examiners

Mark AK3M reports that there was not anyone tested in April, however last weekend 3 people were tested for the technician class license and passed. That was in conjunction with the technician course that was offered by the club.

Field Day

Lou KF2WO was not present at the meeting. Mark AK3M wanted to remind everyone to give Lou with their support, and to expect an email from Lou in the coming month in reference to Field Day.

Web Site

Paul N0KIA reports that everything is working and the updated membership list and Constitution will be posted soon.

Education

Rod N3XG reports that this previous weekend W3OI hosted a successful technician class. There were three in attendance, and all three passed the test. They are waiting for their licenses. This was the first class hosted and run by the club, and Rod reports he will be planning a fall and spring class every year as long as there is interest.

(continued on page 16)

\$\$\$	W3OI Finances	\$\$\$	
Balance as of	4/30/04	\$808.60	



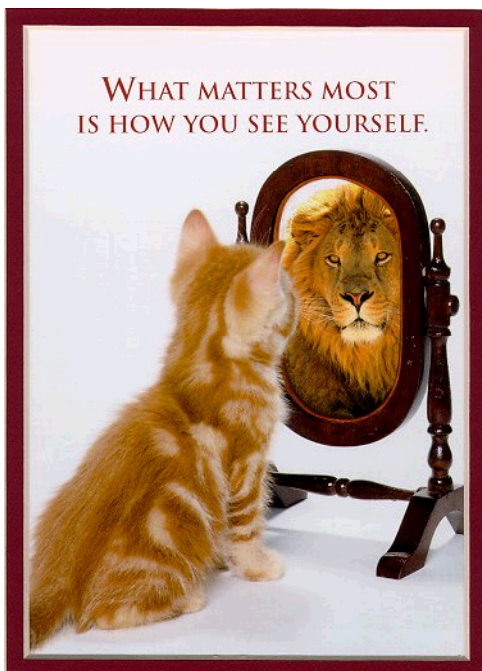
MARK YOUR CALENDAR and
come out to help the MS Society with their
annual MS Walks!

Lets put our hobby to good use and help the local community. Operators are needed to help with the Multiple Sclerosis Society's "MS 150, to provide communications support for several walks in the area. Below, are the dates and locations of these walks.

Saturday & Sunday June 12 & 13 - the MS 150 Bike tour. It will start in Trexlertown and over night in Kutztown (just like the last couple of years).

TO VOLUNTEER, CONTACT:

Jeff Keller (N3QZT)





LVARC Activities/Events

Mark your Calendar

PRINT, CLIP and POST



Tuesday June 1--- LVARC Meeting - 7:30 PM (Red Cross Bldg.)

Monday June 7 --- LC RACES/ARES Net - 7:30 pm (146.94)

Monday June 14 --- LC RACES/ARES Net - 7:30 pm (146.94)

Friday June 18 --- LVARC ARRL VE Test Session - 7:00 pm

Monday June 21 --- LC RACES/ARES Net - 7:30 pm (146.94)

Saturday - Sunday June 26-27 --- FIELD DAY

Monday June 28 --- LC RACES/ARES Net - 7:30 pm (146.94)

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

Proposed LVARC 2004 Programs/Activities

(This is only a PROJECTION of activities-subject to change)

June

1. Preparation for Field Day - at the business meeting
2. Field Day - June 26 & 27, 2004 (Camp Serranova)

July - Paul (N0KIA) and Robin (KB3GZV) - Aviation Communications

August - Bob (N3QZR) - Echolink

September - Phil (KB3HMK) - Geocaching

October

1. Nomination of officers for 2005

November - Close nominations for officers

December

1. Election of officers for 2005
2. Operation "Ho Ho"
3. Annual Holiday Party, 2004

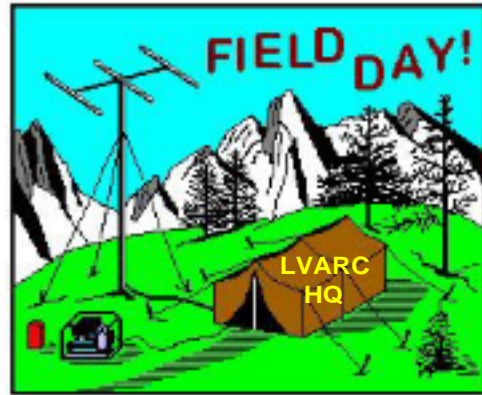
Deep Sea Fishing Trip ? If anyone is interested in a Club Deep Sea Fishing Trip in August, contact Mark (AK3M)





Field Day 2004

**Don't forget Field Day 2004!!
The dates are
June 26 & 27, 2004.**



Field Day, 2004 will be held at Camp Serranova. Mark your calendar, pack your folding chair, overnight gear and get ready for a great time of 24-hour radio operation! (see page 10 for "Suggested FD Gear")

Directions to the Field Day Site - 2004 *Camp Serranova*

- (1) Cedar Crest Blvd. South to " T "
- (2) Turn right on Route 29 in Emmaus (South)
- (3) Proceed up Shimerville Hill thru blinking light to next light.
- (4) Turn right on St. Peters road
- (5) Go about 4 1/2 miles and turn left into a small road (looks like a driveway) to the camp, see signs for camp (if you get to the fire station or the intersection you missed the turn).

**"What you do speaks so loud that I
cannot hear what you say."**

**----- Ralph Waldo Emerson
(1803 - 1882)**





Suggested Field Day Gear



Below is a checklist of some *suggested* items for you to take to Field Day. Please note that these are suggestions only. Your list may include more or less items. If you plan to stay overnight, you may want to add items.

Amateur Radio



- _____ HF radio
- _____ AC Outlet strip(s)
- _____ spare fuses
- _____ power supply
- _____ key (telegraph)
- _____ headphones
- _____ antenna(s)
- _____ appropriate RF connectors
- _____ tools
- _____ HT
- _____ spare batteries
- _____ AC extension cord(s)
- _____ antenna tuner

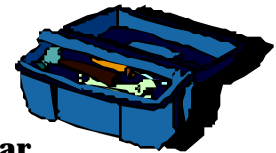


General Supplies

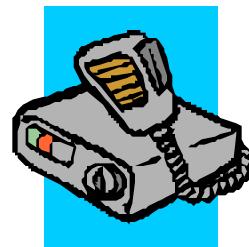
- _____ flashlight/lantern
- _____ paper (pads)
- _____ clock/watch
- _____ pencils/pens
- _____ AC desk lamp for night operation



Personal Gear

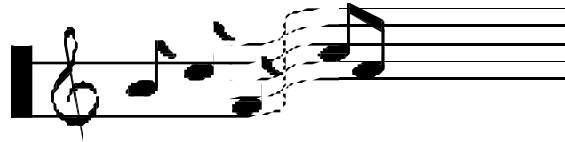


- _____ folding chair
- _____ sleeping bag
- _____ pillow
- _____ sunglasses
- _____ appropriate clothing
- _____ snacks
- _____ book/magazine
- _____ personal toilet items
- _____ cell phone
- _____ eating utensils/cup
- _____ tent
- _____ duct tape
- _____ bug spray
- _____ cell phone



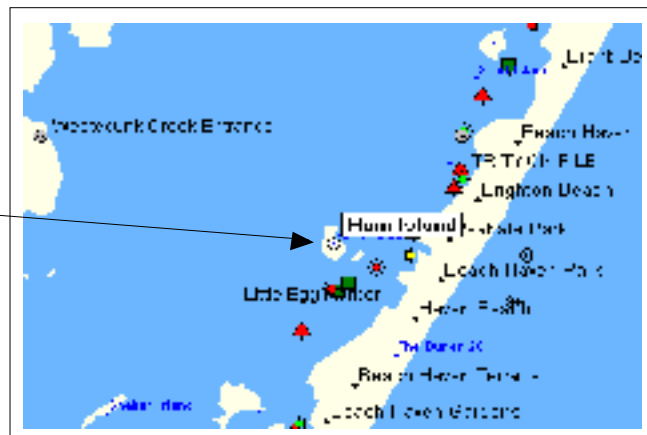


Did You Know ?



... the Morse Code was immortalized in music? In 1961, the Capris released the song, "**Morse Code of Love.**" which is also known as, "*Baby Come Back To Me.*" It has also been recorded by, The Tokens, Five Satins and the Manhattan Transfer.

... that **Ham Island** is a small uninhabited island in Little Egg Harbor, NJ, just West of Beach Haven?



Radio Era Archives

If you are interested in old radios, Frank (W3FTU) offers the following web site:

http://www.radioera.com/ham_radio.htm

Ham Radio Trivia

In what year did Samuel Morse apply for a patent on his new invention, the telegraph? (From QRZ.com)

- (a) 1830 (b) 1837 (c) 1840 (d) 1845 (see page 14 for answer)



Emergency Communications Vest

-- This reflective style vest is similar to the type you'd see police or runners wearing. Place this orange "bib" over your shirt or jacket. Constructed of neon mesh with large front and back reflector panels. Imprinted with the words "RADIO COMMUNICATIONS" on one side. Lightweight. Fold it up, and store this small handful in your immediate-response kit. Adjustable side straps.

Great for ARES volunteers, emergency and public service use.

New larger size fits all!

Produced exclusively for ARRL



Many of the LVARC members ordered these vests but in case you missed it, you may be interested in the above information. The vests can be ordered from the ARRL (item #9405) at the low price of \$12.95. They are useful for ARES (ie. walks, bike-a-thons) and RACES activities.

DON'T FORGET

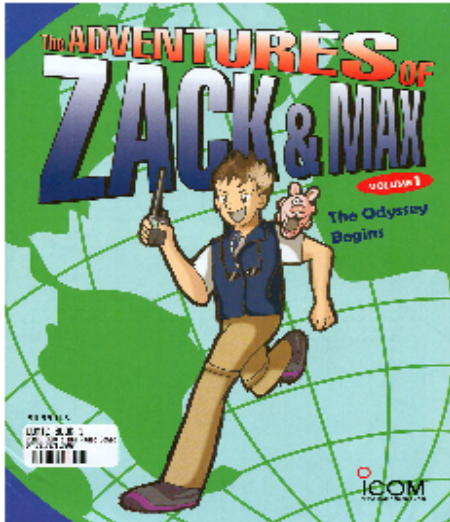
The LVARC VE program. If you know someone who would like to become a ham or if you want to upgrade your license, the LVARC can help!

Contact Mark (AK3M) for details
(610-865-9183 or AK3M@rcn.com)

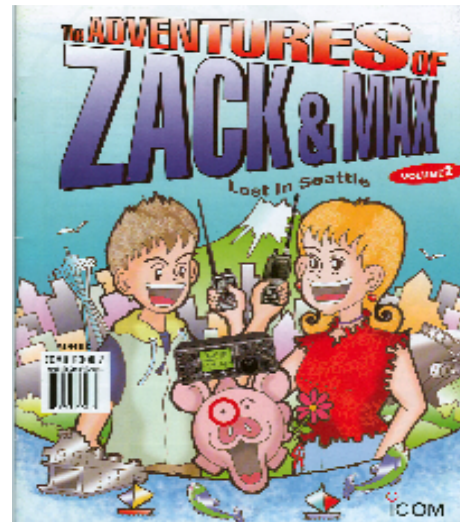




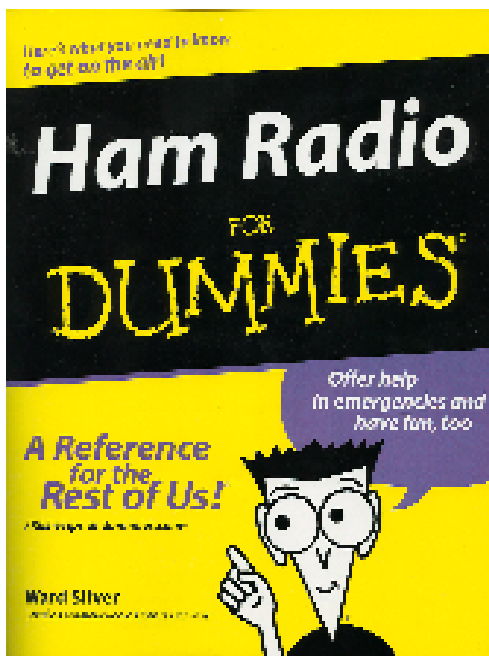
Recent Ham Radio Literature



**Zack
and
Max**



Icom has produced two comic books about ham radio designed for the new, young, would be ham. Each is \$4.95 and available at AES and other mail order sites.



Ham Radio For Dummies

A book for beginners (submitted by Paul (NOKIA)).

Don't let the title deceive you. This book has information for all hams.

The price is \$21.99 and is available from the ARRL's web site at:

<http://www.arrl.org/news/stories/2004/04/13/1/>

Ham Trivia - Answer

(see page 11)



In what year did Samuel Morse apply for a patent on his new invention , the telegraph? (from QRZ.com)

(a) 1830 (b) 1837 (c) 1840 (d) 1845


FOR SALE


Power supply and automatic antenna tuner included. All manuals and original boxes included.

Includes:

Yaesu FT-840 Transceiver
Yaesu FT-1023 Power Supply
Yaesu MH-31 Microphone
LDG AT-11MP automatic
antenna tuner/ with
power supply



and all interconnecting cables **Price - \$695.00 . Contact Frank (W3FTU) funger@enter.net**



The members of the LVARC extend their sympathy and support to Frank (W3FTU) at the passing of his mother, Veronica Unger, on May 1, 2004.

**KUDOS****KUDOS****KUDOS**

A triple KUDOS??? You bet!!! Rod (N3XG) had a terrific weekend Technician class which included three students. The classes started on Friday (April 30, 2004) evening, continued through Saturday (May 1, 2004) and met for the last class on Sunday morning (May 2, 2004). The students had an hour for lunch and then were given the exam. The result? All three PASSED and received their calls within 5 days!! CONGRATULATIONS to:

Allen Button --- KB3LCU

Ron Gates --- KB3LCV

Rob Miller --- KB3LCW

TNX goes to Rod (N3XG), Paul (N0KIA) and Mark (AK3M) for acting as instructors. A special TNX to Frank (W3FTU) who although could not attend, sent in his notes and computer for his part of the curriculum. VE's in attendance on Sunday (May 2, 2004) included Mark (AK3M), Walt (KE3SP) and Rod (N3XG).



New LVARC Members

Ron Gates (KB3LCV) was approved for membership at the May 4, 2004 meeting. Ron was one of the students in the initial LVARC Tech class. Welcome to the club Ron!!!



Substitute LVARC Program

TNX to Carl (WK3C) for “pinch-hitting” for Frank who was unable to present his *Old Radio Restoration* program at the May, 2004 meeting. Carl presented a terrific video on BPL. His presentation stimulated a lot of discussion among the members. Carl also took his service monitor and performed an “HT Check-up.” Frank’s presentation will be scheduled for a meeting in the future.



(minutes continued from page 6)

OLD Business

1. Dennis Check was emailed and phoned without any response to either. Dennis has possession of club property, and did instruct club officers to contact him, as it is assembled and ready to be picked up. The items may include legal documents that would indicate the tax-exempt status of the club. The club needs this proof to continue with fund-raising plans. Jeff N3MFT stated he passes the Check residence daily and can stop in to pick up the documents and other items. Jeff will then coordinate a drop off at Paul N0KIA’s house. No further action was taken on the tax-exempt status. President Miller did not want to bother Dennis out of respect for the recent loss of his father.

New Business

1. President Miller circulated a “thank-you” card from the Check family. The club sent a flower arrangement to the funeral home. Club member Bart Check N3KEC SK. A silent net was held on the night of the viewing, in memory of Bart.

2. Motion made by Carl WK3C to authorize Rod N3XG to spend up to \$100.00 for a spare receive element for the 135 repeater, and for the purchase of a new transmit element that would convert the repeater from Phase to Frequency modulation. Jeff N3MFT made a second to the motion; there was no discussion and the motion passed with all in favor.

New members/Guests

Paul N0KIA read the application of Ronald Gates (call pending) for club membership.

All were in favor, motion carried, welcome Ronald!

The LVARC Monthly Business Meeting Closed at 2019 hrs, EST.

Motion by: Carl WK3C

Second by: Jim KA3UQP

Motion carried, all in favor.



Abbot & Costello Updated to 21st Century

(Submitted by Rod (N3XG))

ABBOT: Super Duper Computer Store... Can I help you?

COSTELLO: Thanks. I'm setting up an office in my den, and I'm thinking about buying a computer.

ABBOT: Mac?

COSTELLO: No, the name's Lou.

ABBOT: Your computer?

COSTELLO: I don't own a computer. I want to buy one.

ABBOT: Mac?

COSTELLO: I told you, my name's Lou.

ABBOT: What about Windows?

COSTELLO: Why? Will it get stuffy in here?

ABBOT: Do you want a computer with Windows?

COSTELLO: I don't know. What will I see when I look in the windows?

ABBOT: Wallpaper.

COSTELLO: Never mind the windows. I need a computer and software.

ABBOT: Software for Windows?

COSTELLO: No. On the computer! I need something I can use to write proposals, track expenses and run my business. What have you got?

ABBOT: Office.

COSTELLO: Yeah, for my office. Can you recommend anything?

ABBOT: I just did.

COSTELLO: You just did what?

ABBOT: Recommend something.

COSTELLO: You recommended something?

ABBOT: Yes.

COSTELLO: For my office?

ABBOT: Yes

COSTELLO: OK, what did you recommend for my office?

ABBOT: Office.

COSTELLO: Yes, for my office!

ABBOT: I recommend Office with Windows.

COSTELLO: I already have an office and it has windows! OK, let's just say, I'm sitting at my computer and I want to type a proposal. What do I need?

ABBOT: Word.

COSTELLO: What word?

ABBOT: Word in Office.

(continued on page 18)



(continued from page 17)

COSTELLO: The only word in office is office.

ABBOT: The Word in Office for Windows.

COSTELLO: Which word in office for windows?

ABBOT: The Word you get when you click the blue W

COSTELLO: I'm going to click your blue w if you don't start with some straight answers. OK, forget that. Can I watch movies on the Internet?

ABBOT: Yes, you want RealOne.

COSTELLO: Maybe a real one, maybe a cartoon. What I watch is none of your business. Just tell me what I need!

ABBOT: RealOne.

COSTELLO: If it's a long movie I also want to see reel 2,3&4. Can I watch them?

ABBOT: Of course.

COSTELLO: Great, with what?

ABBOT: RealOne.

COSTELLO: OK, I'm at my computer and I want to watch a movie. What do I do?

ABBOT: You click the blue 1

COSTELLO: I click the blue one what?

ABBOT: The blue 1.

COSTELLO: Is that different from the blue w?

ABBOT: The blue 1 is RealOne and the blue W is Word.

COSTELLO: What word?

ABBOT: The Word in Office for Windows.

COSTELLO: But there's three words in office for windows!

ABBOT: No, just one. but it's the most popular Word in the world

COSTELLO: It is?

ABBOT: Yes, but to be fair, there aren't many other Words left. It pretty much wiped out all the other Words out there.

COSTELLO: And that word is real one?

ABBOT: RealOne has nothing to do with Word. RealOne isn't even part of Office.

COSTELLO: Stop! Don't start that again. What about financial bookkeeping you have anything I can track my money with?

ABBOT: Money.

COSTELLO: That's right. What do you have?

ABBOT: Money.

COSTELLO: I need money to track my money?

ABBOT: It comes bundled with your computer.

COSTELLO: What's bundled to my computer?

ABBOT: Money

COSTELLO: Money comes with my computer?

ABBOT: Yes. No extra charge.

COSTELLO: I get a bundle of money with my computer? How much?

ABBOT: One copy

COSTELLO: Isn't it illegal to copy money?

ABBOT: Microsoft gave us a license to copy Money.

COSTELLO: They can give you a license to copy money?

ABBOT: Why not, they own it.





PUT BPL PROCEEDING ON ICE FOR FURTHER INTERFERENCE EVALUATION, ARRL SAYS

The ARRL has asked the FCC to put its BPL proceeding on hold to allow more thorough research of BPL's interference potential to licensed radio services. Among other things, the ARRL wants to more closely review the lengthy National Telecommunications and Information Administration (NTIA) Part 1 BPL study released April 27. In comments filed May 3 in response to the FCC's February 23 BPL Notice of Proposed Rule Making (NPRM) in ET Docket 03-47, the League also called on the FCC to apply "considerably more conservative radiated emission limits" to BPL than those applying to "normal" Part 15 devices. Five technical exhibits, including an ARRL-commissioned independent study at BPL trial areas and additional research, accompanied the League's comments.



"The Commission cannot be in such a hurry to deploy BPL . . . that it must sweep under the rug the mounting evidence that BPL is a significant source of interference to licensed radio services and is not in the public interest," the ARRL declared.

The League also took the FCC to task for its willingness to balance BPL's presumed benefits against the potential of harmful interference. "The principal obligation of the Commission in permitting unlicensed devices or systems is to establish a radiated emission level that is sufficiently low that by their operation they will predictably not interfere with licensed radio services," the ARRL emphasized.

The ARRL told the FCC that applying existing radiated emission limits to so-called "access BPL" systems is inappropriate. "Those levels are far too high and were designed to address the interference of point-source radiators," the League said. "It is obvious that access BPL systems are distributive, line-source radiators" and the FCC should apply a limit low enough to prevent interference to mobile stations that might operate in BPL-served neighborhoods. The ARRL suggested that 0 dBuV/m at the antenna measured at 10 meters (approximately 33 feet) from the power line would be an "acceptable" radiated emission level.

(continued on page 20)



(continued from page 19)

The League further proposed amending Part 15 rules (ß15.109) to require BPL systems to incorporate adaptive interference resolution techniques adequate to cause them to cease operation within an hour following a report of harmful interference to an FCC licensee's station. The BPL system then couldn't resume operation within one kilometer (approximately 0.62 mile) of the complainant's station "unless and until the harmful interference is resolved." The ARRL also would require BPL systems to supply detailed information on their systems to a public Web-based database.

The FCC's NPRM offers no support for its conclusion that interference to licensed services would be minimal, the ARRL said, and it noted that amateur licensees have filed more than two dozen BPL interference complaints with the FCC.

"Some of these interference problems have persisted, notwithstanding the good faith efforts of some BPL service providers to resolve the problems," the ARRL noted. "In other cases, the complaints are simply ignored. None has been adjudicated by the Commission, as far as the ARRL can tell." Instead, the League said, amateurs' BPL complaints "remain under wraps" in the Office of Engineering and Technology instead of being handled by the FCC's Enforcement Bureau, which typically deals with power line noise complaints from radio amateurs.

Referring to its main BPL study, the League said measurements at one site within a BPL test system in Emmaus, Pennsylvania, "exceeded FCC Part 15 limits by up to 20 dB or more." At another test site in Whitehall, Pennsylvania, using another technology, the study concluded that the BPL signals--while apparently within Part 15 limits--"would have interfered seriously with reception of Amateur Radio signals."

"This proceeding should be placed on hold for a year in order to work out appropriate interference avoidance and resolution standards," the League concluded.

The League was among more than 1000 individuals and entities commenting in the proceeding by the May 3 deadline. Reply comments are due Tuesday, June 1. On the eve of the comment deadline, the FCC denied several requests--including one from the ARRL--to extend the comment period.

The ARRL Letter --- Vol. 23, No. 19 --- May 7, 2004