

E-VOX

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



Lehigh Valley Amateur Radio Club - W3OI



Allentown, Pennsylvania - 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 (Local Time)

All are welcome !

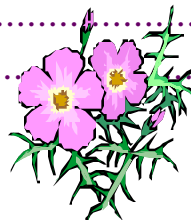
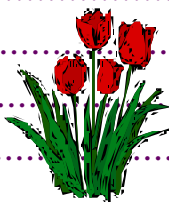


W3OI Home Page: <http://www.w3oi.org>



April, 2003 Contents

Meeting Information	page 3
L.C. RACES Net Information	page 3
This Month In Ham Radio	page 4
Minutes of the March, 2003 Meeting	page 5 - 6
Trivia	page 7
Radio Spectrum Chart	page 8 - 9
LVARC Offers VE Exams	page 10
MARS at the May, 2003 Meeting	page 11
A Message from Riley Hollingsworth	page 12
Blizzard of 2003	page 13
E-VOX Material Wanted / Were You Prepared?	page 14
What <u>IS</u> that ????	page 15
ARRL Placard / Emergency Preparedness at Home.....	page 16
Alert/Emergency Supplies	page 17
Amateur Radio Placard for Your Shack	page 18
Amateur Radio Spectrum Protection Act Reintroduced In US House	page 19
LVARC Member Upgrade / Upgrade Materials Available	page 20
For Sale / MS Walks	page 21
LVARC Crossword Puzzle	page 22
W3OI Shirts	page 23
New Members	page 24
Estate Sale	page 25-26





**The April Meeting will be held at
the Red Cross Building on
Tuesday April 1, 2003 at 7:30 pm.**



Program: 2-Tube Regenerative Receiver

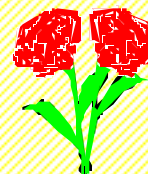


LVARC / RACES NET

Don't forget to check into the Monday Night
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.

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



Monday Night RACES/ARES Check In Summary 2003

<u>Month</u>	<u>Number of Check-In's</u>	<u>Number of Mondays</u>
January	86	4
February	94	4





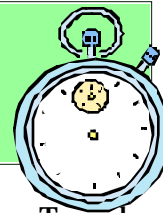
This Month In Ham Radio

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div>April</div> <div></div>		LVARC Meeting Red Cross 7:30		SARL 80-m QSO Party		Missouri QSO Party QCWA QSO Party
		1	2	3	4	5
Missouri QSO Party QCWA QSO Party MS Walk Easton	ARES RACES Net 7:30					JIDX CW Contest EU Spring Sprint SSB
6	7	8	9	10	11	12
JIDX CW Contest York Hamfest	ARES RACES Net 7:30				LVARC VE Test Session 7:00 pm	Holyland DX Contest Ontario QSO Party
13	14	15	16	17	18	19
Michigan QSO Party Ontario QSO Party Easter	ARES RACES Net 7:30					Florida QSO Party Nebraska QSO Party
20	21	22	23	24	25	26
Florida QSO Party Nebraska QSO Party	ARES RACES Net 7:30			<div>2003</div> <div></div>		
27	28	29	30			
May 6, 2002 --- LVARC Meeting (MARS Program by WX3W) June 28 - 29, 2003 Field Day						



Minutes of the March, 2003 Meeting

de Rod (KB3HFZ), Secretary - LVARC



The March meeting of the LVARC was held at the Red Cross Building on Tuesday February 4, 2002. The meeting was brought to order at 7:35 pm. There were 24 members and one guest present.

Date: MARCH 4, 2003

Meeting Called to Order by President Miller at 1934 Hrs, EST.

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

Sign-in Sheet Circulated, with 23 members and 1 guests in attendance.

50/50 tickets sold.

Corrections/additions of minutes as printed in E-VOX.

NONE

Minutes accepted.

Treasurer's Report (Paul - N0KIA)

Total balance \$1012.74

Committee Reports:

Repeater

Jeff N3MFT reports that 135 is on the air, and autopatch will be available shortly. Jeff received multiple thanks from many people in the footprint of the repeater that use 135 almost exclusively.

Program

Paul reports that next month Lou KF2WO will present the Two-Tube Regenerative Receiver with Tube Power Supply. In May we will receive a presentation on MARS, details TBA.

Field Day

The money for Camp Seranova has been drawn and paid.

Web Site (Paul)

The membership list is updated, current members are now the only ones listed. Paul N0KIA did receive a request for email links to be added to the web site, instead of text only listings. Paul explained that webcrawlers do not attach themselves to text only listings and thereby limits junk mail received by W3OI members.

OLD Business

Discussion on the dinner: Most members felt despite the smoky and sometimes noisy environment the food was good and the members that were in attendance enjoyed Eric WB3FPL's presentation.



Power Supply: Paul NOKIA reports that the second letter was ignored, will we purchase an aftermarket power supply for the club radio.

Field Day Site: The funds were drawn to pay for the site at Camp Seranova. President Miller called for a show of hands to see who would be interested in operating from the EOC under the ARRL's Class F designation. There were no hands for the straw poll.

New Business

Frank W3FTU has upgraded to Extra Class. Congratulations to Frank!

Dan KA3ZAT has upgraded to General Class. Congratulations to Dan!

Jeff N3MFT reports that there will be a Severe Weather Emergency Net Drill on March 20. He needs volunteer to help either remotely or at the EOC. The event will run from 0900 to 1200. Anyone that can assist please contact N3MFT.

President Miller reports that the W3OI club VE program is in place and the first VE session will be held in room 103 of the Red Cross building at 1900 hours on March 21. All subsequent VE testing sessions will follow the same schedule and be held on the third Friday of each month. Registration is required.

President Miller reports that there are several types of license upgrade study material available, and to contact President Miller AK3M for the material.

Lou KF2WO will be organizing a CW group if there are enough interested. This will be to help new CW operators study for their 5 WPM code test and for experienced operators to increase their CW proficiency. Anyone interested please contact Lou KF2WO.

President Miller thanked Tom KB3IYB for putting the VE test date on the RCN Cable community bulletin board.

Tom KB3IYB advised the club members that RCN cable is looking for local Amateurs for a local TV show that features items of interest in the Lehigh Valley. They are looking for at least three interested amateurs to demonstrate ham radio. Carl AA3IX and Greg KB3CKD have expressed interest. Any other members that wish to be involved please contact President Miller AK3M.

Mrs. Romig has contacted Jeff N3MFT with a list of Ed's (SK) gear. She is entertaining any fair price for this equipment. DO NOT contact her directly. All inquiries must go through Jeff N3MFT or Jim KA3UQP. Please respect the wishes of Mrs. Romig.

President Miller informed the club members of two other publications that are available through the ARRL, they are listed on the ARRL website if anyone is so inclined.

Chris Post has inquired if the members would be interested in a presentation on Antarctica. Chris will present sometime in the beginning of April. Details TBA. WELCOME BACK CHRIS N3SIG (ZL5CP)!!!!
New members/Guests

W3OI welcomes past member Al Gruenke (past K3RYK), a member in the 1960's and 1970's, he found us on the web site and came for a visit. We encourage Al to get his ticket and also to join the club. Welcome back Al.

Paul received an application and dues from Jose Rodriguez (call sign not available).

Motion to accept new members by: Greg KB3CKD

Second by: Robin KB3GZV

In favor: ALL

The LVARC Monthly Business Meeting Closed at 2017 hrs, EST.

Motion by: Malcolm

Second by: Charlie

In favor: ALL

Nightly Program:

Paul NOKIA presented "Cross-Banding. The good, the bad, and the ugly".



Trivia de Larry (NR3R)

?

**What is the name of the
RCA Victor Dog ?**

?

(1) Victor

(2) Rex

?



?

(3) Nipper

(4) Needle

?

Answer on page 11

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"Its the latest innovation in office safety.
When your computer crashes, an air bag is
activated so you won't bang your head in frustration."

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

Balance as of 2/28/2003 \$1,012.74





RF SPECTRUM CHART

<u>DESCRIPTION</u>	<u>FREQUENCY RANGE</u>
Extremely Low Frequency (ELF)	0 to 3 KHz
Very Low Frequency (VLF)	3 KHz to 30 KHz
Radio Navigation & maritime/aeronautical mobile	9 KHz to 540 KHz
Low Frequency (LF)	30 KHz to 300 KHz
Medium Frequency (MF)	300 KHz to 3000 KHz
AM Radio Broadcast	540 KHz to 1630 KHz
Traveler's Information Service	1610 KHz
High Frequency (HF)	3 MHz to 30 MHz
Shortwave Broadcast Radio	5.95 MHz to 26.1 MHz
Very High Frequency (VHF)	30 MHz to 300 MHz
Low Band: TV Band 1 - Channels 2-6	54 MHz to 88 MHz
Mid Band: FM Radio Broadcast	88 MHz to 174 MHz
High Band: TV Band 2 - Channels 7-13	174 MHz to 216 MHz
Super Band (mobile/fixed radio & TV)	216 MHz to 600 MHz

(Spectrum Chart cont. on page 9)



(Spectrum Chart cont. from page 8)

Ultra-High Frequency (UHF)	300 MHz to 3000 MHz
Channels 14-70	470 MHz to 806 MHz
L-band:	500 MHz to 1500 MHz
Personal Communications Services (PCS)	1850 MHz to 1990 MHz
Unlicensed PCS Devices	1910 MHz to 1930 MHz
Superhigh Frequencies (SHF) (Microwave)	3 GHz to 30.0 GHz
C-band	3600 MHz to 7025 MHz
X-band:	7.25 GHz to 8.4 GHz
Ku-band	10.7 GHz to 14.5 GHz
Ka-band	17.3 GHz to 31.0 GHz
Extremely High Frequencies (EHF)	30.0 GHz to 300 GHz
Additional Fixed Satellite	38.6 GHz to 275 GHz
Infrared Radiation	300 GHz to 430 THz
Visible Light	430 THz to 750 THz
Ultraviolet Radiation	1.62 PHz to 30 PHz
X-Rays	30 PHz to 30 EHz
Gamma Rays	30 EHz to 3000 EHz



The LVARC Now Offers License Exams

Want to get your entry level license (Technician) or want to upgrade your present license? The **Lehigh Valley Amateur Radio Club (W3OI)** now offers ARRL VE accredited exam sessions !!! The test sessions will be held the third Friday of each month and **pre-registration is necessary.**



The LVARC is proud to introduce its VE team:

Mark Miller (AK3M)
Larry Miller (NR3R)
Walt Snyder (KE3SP)
Carl Seier (AA3IX)
Rod Wolfe, Jr (KB3HFZ)
Dick Dech (KA3MOU)

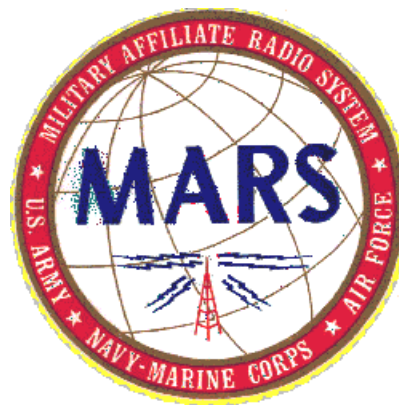
To pre-register or for
more information, contact:

Mark Miller - AK3M
Phone: 610-865-9183
E-mail: AK3M@rcn.com

Take full advantage of the opportunities of your hobby.
Upgrade and/or invite a new ham to join the hobby now!



Navy-Marine Corps Military Affiliate Radio System (MARS) To Be Topic of May, 2003 LVARC Meeting



John Holmes (WX3W) will be the featured speaker at the LVARC' May meeting. John will speak about the Navy-Marine MARS and its implications to emergency communications. John's presentation will follow the regular business meeting.

Answer to Trivia Question - (See page 7)

What is the name of the RCA Victor Dog ?

- (1) Victor
- (2) Rex



- (3) Nipper
- (4) Needle

(3) Nipper

A BIG TNX to Tom (KB3IYB) for getting the notice of the LVARC VE Testing on RCN's *Community Bulletin Board* !!



RCN
Ch. 4



HOLLINGSWORTH PREACHES COURTESY, COMMON SENSE

FCC Special Counsel Riley Hollingsworth told those attending his forum at the Richmond, Virginia, Frostfest February 9 that Amateur Radio enforcement still has a long way to go, but that amateurs can do a lot through peer pressure to head off problems before they become enforcement issues.

"Enforcement is no substitute for courtesy and common sense," Hollingsworth declared. "More courtesy would go a long way. Hollingsworth again suggested that amateurs "operate so that listeners will be impressed with Amateur Radio," not offended or turned off by it. He said awareness of Amateur Radio is on the rise in the wake of media attention since September 11, 2001, and, more recently, with ham radio assistance in the search for debris from the shuttle Columbia. He pointed to 20 and 75 meters as the current enforcement hot spots as well as the bands where the least courteous operating practices are found--some of which he described as "a disgrace" to the Amateur Service.

Off-the-air peer pressure, he said, is an effective tool to provide guidance to amateurs who may be unaware of how they sound to others on the air. The reactions of some hams when they confront interference--or perceived interference--can be worse than the original interference--whether or not it's deliberate. "Don't overreact," Hollingsworth advised. "The best reaction is no reaction whatsoever."

"You have to always be aware of your image and be willing to protect it," he told those gathered in the packed forum. "You can't shoot yourself in the foot." More than 1000 attended the Richmond Frostfest, sponsored by the Richmond Amateur Telecommunications Society <<http://www.rats.net/>>.

The use of new technology and on-the-air experimentation also sometimes brings controversy to the amateur bands, Hollingsworth said, and may prompt an occasion for the FCC to revisit its current Part 97 Amateur Service rules. Hollingsworth pointed to the use of so-called "enhanced SSB," where experimenters have been attempting to achieve full-carrier AM-like high-fidelity audio in that mode. Hollingsworth said the presence of the enhanced SSB experimenters has led to complaints to the FCC--as many as 20 per week--that these signals are taking up excessive bandwidth.

Hollingsworth told his Richmond audience that deliberately operating a wideband mode in a crowded spectrum is "shortsighted and rude," may be ignoring the "minimum bandwidth necessary" rule. If its use isn't accompanied by courtesy and common sense, he said, it will lead to pressure on the FCC to revise the Amateur Service rules. The "Emission Standards" section of Part 97--specifically §97.307(a) and (b)--requires amateur transmissions to not occupy "more bandwidth than necessary for the information rate and emission type being transmitted, in accordance with good amateur practice" and to "not cause splatter" on adjacent frequencies.

Hollingsworth said the bandwidth of a given signal is not easily determined by the average amateur transceiver--even one equipped with a band scope of some sort. He pointed out that the problems with apparent splatter can be aggravated by the use of a noise blanker on the receiving end. "Just because it sounds wide doesn't mean it is wide," he said, adding that he'd prefer the amateur community come up a way to accommodate such experimentation, because "a government solution will be worse than the problem."

The ARRL Letter Vol. 22, No. 07 February 14, 2003



BLIZZARD OF 2003

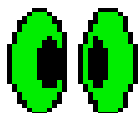
A **HUGE** snowstorm hit the Lehigh Valley and most of the Northeast on Sunday February 16 and Monday February 17, 2003. About 24" of new snow was deposited on the ground by the time the storm ended Monday night!!! The Lehigh County activated a *Severe Weather Net* using the 146.34/146.94 repeater. **Jeff** (N3MFT) opened the net at 4:00 pm (local). At approximately 5:30pm, **Greg** (KB3CKD) relieved Jeff as net control operator.



The net continued into Monday February, 17 and **Mark** (AK3M) relieved **Greg** (KB3CKD) as net control around 12:00 noon (local) on Monday February 17. **Dorian** (KB3GZW) in his debut as net control, relieved Mark about 3:30 pm. The net closed at 5:00 pm (local).

Many local "State of Emergencies" were declared which meant parking on Snow Emergency Routes was forbidden. In addition, only emergency vehicles were supposed to be on the road. The EOC was opened at 1800 on Sunday night. Those stations who checked into the net included: **Greg**, (KB3CKD), **Mark** (AK3M), **Paul** (N0KIA), **Rod** (KH3HFZ-mobile), **Bill** (KA3RBH), **Jim** (KA3UQP), **Barry** (KB3FMI), **Bill** (KA8FU), **Chris** (N3RPV), **Mark** (KB3FDN), **Dan** (KA3ZAT), **Burt** (KA3ZBE), **Frank** (W3FTU), **Robin** (KB3GZV), **Malcolm** (N3XRL), **Carl** (WK3C), **Bruce** (KA3ONZ), **Don** (AI3N), **Dorian** (KB3GZW), **Joe** (WF2O), **Frank** (W3FTU), **Rick** (W3GKC), **Mark** (N3ULR), **David** (W3AMC), **Charlie** (KB3FDM), **Tom** (KB3IYB). **Bruce** (KB3FIH) operated from the EOC.



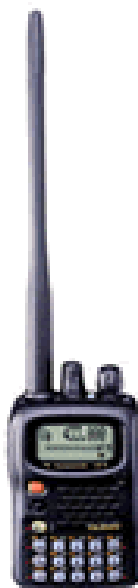


Looking for E-VOX Material



de Mark (AK3M)

It is increasingly difficult to produce a monthly newsletter which contains material of interest to the LVARC members. I know there is a lot of talent out there!! Why not use that talent and submit something for the newsletter? Articles may contain pictures, diagrams etc. If you do not have the ability to scan graphics, send them to me via US mail and I will scan and return your material intact. The E-VOX tries to include information about the LVARC and ham radio in general in addition to keeping you amused. I can also list items you may have for sale. I do run out of material and rely on YOU to let me know what you want to see. Please feel free to send E-VOX information to me at: AK3M@rcn.com. I would like to see the newsletter continue in its present form but I need material from the members!!



Were You
Prepared ?

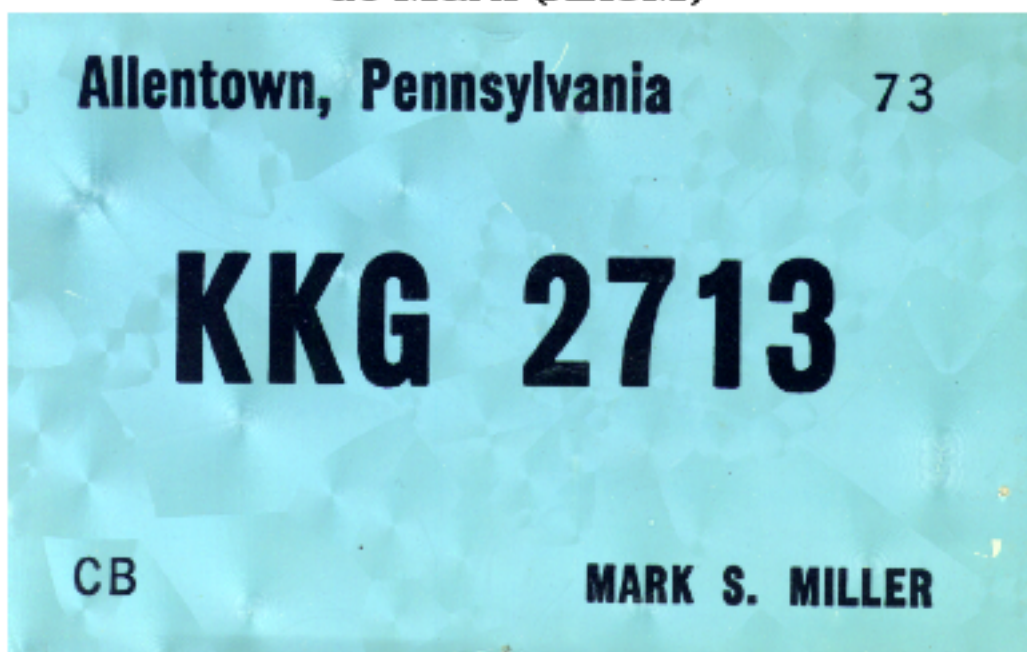
Were you prepared for the Blizzard of 2003? In addition to food, **were you prepared for emergency communications?** Did you have your HT or station radio ready with the appropriate frequencies programmed? Did you have spare batteries? An old car or marine battery can supply your HT with power for many days! Did you have a scanner or did you make use of your radio's extended receive coverage to monitor public service bands? Did you have a spare (mobile) antenna in case your external antenna came down?

The "Blizzard of 2003" was a good test of your station's emergency communication abilities. **Did you pass ?**



What Is THAT???

de Mark (AK3M)



Have you ever seen a call/QSL like this ?? Yes, it a **REAL CB QSL!!** This QSL was from the days when CB radio required a license and a call!! Can you imagine the FCC attempting to control CB by licensing operators? The year was approximately 1964. My father obtained a station license and even had a CB radio in his Opal Cadet !!!!! He had QSL cards printed which were handed out at “Coffee Breaks.” No, you didn’t have to work a station to QSL. The “Coffee Breaks” were meetings where the local CB’ers met for food and exchange of the latest news in CB radio. The local “Coffee Breaks” were held Friday nights at The Paddock in Allentown. The “Base Station” was a Lafayette transceiver which had a spring loaded transmit/receive switch on the front panel. The radio required two hands to operate. One hand held the microphone while the other hand held down the transmit switch. He had a large ground plane on the side of the house which allowed him to work such DX as Fleetwood, PA. and Phillipsburg, NJ !!

After wanting more than CB could offer, he soon found the **Lehigh Valley Amateur Radio Club** and began attending the meetings at the Queen City Airport. I, of course, tagged along. I traded the CB call for my Novice license in 1968 with the call WN3KIF. The “N” signifying a Novice operator.



AMATEUR RADIO PLACARD



On page 18, is an Amateur Radio Placard for you to print (on card stock) and display. The placard is from the ARRL website.

READY ???

We have all seen the “ALERT” status reports on TV and may or may not have heeded the warnings. What can we do? Well, maybe we cannot *directly* fight terrorism but we can do some things to protect ourselves. The federal government has set up a web site which offers suggestions for individuals to be prepared in the event of a chemical/biological attack. You can visit this site at: <http://www.ready.gov>.

READY.GOV
From The U.S. Department of Homeland Security.

search **GO**

Terrorism forces us to make a choice.
Don't be afraid... Be Ready

Preparing Makes Sense. [Get an Overview](#)

MAKE A KIT
of emergency supplies
[Water & Food](#)
[Clean Air](#)
[First Aid Kit](#)
[Supply Checklists](#)
[Special Needs Items](#)

MAKE A PLAN
for what you will do in an emergency
[Creating a Family Plan](#)
[Deciding to Stay or Go](#)
[At Work and School](#)
[In a Moving Vehicle](#)
[In a High-Rise Building](#)

BE INFORMED
about what might happen
[Biological Threat](#) | [Chemical Threat](#) | [Explosions](#)
[Nuclear Blast](#) | [Radiation Threat](#)

See page 17



Alert / Emergency Kit

de Mark (AK3M)

Below, is a list of supplies I compiled for my home Alert/Emergency Kit.

1. **Bucket with lid** (5 gal. bucket)
2. **Bottled water** (1 gallon per person per day)
3. **Toilet paper / paper towels**
4. **Canned food**
(crackers, canned juices, peanut butter, canned meat granola bars, nuts)
5. **Can opener (manual)**
6. **Duct tape**
7. **Plastic sheeting** (4 mil)
8. **Large garbage bags**
9. **Medicine**
11. **First aid kit**
12. **Radio(s) - Ham and commercial band**
13. **Battery (Power Station)**
14. **Pet supplies**
15. **Pet food**
16. **Cell phone**
17. **Filter masks**
18. **Aspirin**
19. **Glasses / cups**
20. **Flashlight/lantern**
21. **Blankets / sleeping bags**
22. **Pillows**
23. **Regular cordless phone**
24. **Eating utensils** (forks, knives, spoons etc.)
25. **Scissors**
26. **Moist towelettes**
27. **Candles**
28. **Matches**
29. **Lysol spray**
30. **Fire Extinguisher (ABC)**
31. **Plastic food storage boxes**
32. **Change of clothes**
33. **Clock / watch**
34. **Twist ties**
35. **Eye dropper (see # 37)**
36. **Coffee can with lid**
37. **Bleach (liquid)**
(You can use bleach as a disinfectant.- diluted nine parts water to one part bleach), or in an emergency you can also use it to purify water. Use 16 drops of regular household liquid bleach per gallon of water. **(Do not use scented, color safe or bleaches with added cleaners.)**
38. **If you have hot air heat, **TURN OFF HEAT / AC****
This will help keep outside (contaminated) air from circulating through the house.





AMATEUR RADIO SPECTRUM PROTECTION ACT REINTRODUCED IN US HOUSE

The Amateur Radio Spectrum Protection Act has again been introduced in the US House of Representatives. The measure is an ARRL legislative initiative. Florida Rep Michael Bilirakis put the latest version of the bill, HR 713, into the legislative hopper on February 12. It has been referred to the House Committee on Energy and Commerce. When last introduced in 2001, the measure was known as HR 817.

The House bill already has two cosponsors, Reps John Boozman, Arkansas, and Patrick Tiberi, Ohio. Both cosponsored last year's bill.

HR 713 is aimed at ensuring the availability of spectrum to Amateur Radio operators. It would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. Bilirakis, a Florida Republican, has twice before sponsored similar legislation at the League's recommendation. A Senate version of the bill is pending.



The measure would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur-Satellite Service in the event of a reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or "additional allocations within such bands that would substantially reduce the utility thereof" to amateurs.

The 2001 version of the measure attracted 53 cosponsors in the House but last spring became one of many pieces of legislation caught up in the so-called "Enron logjam," during which the Internet and Telecommunications Subcommittee did not meet, although its full committee, Energy and Commerce, held numerous hearings concerning Enron.

The ARRL is urging members of the Amateur Radio community to contact their representatives in Congress and request that they cosponsor HR 713. Experience has shown that, while most members of Congress understand and appreciate the benefits of Amateur Radio, some may be reluctant to sign onto a technical piece of legislation without some indication of support from their own constituents. A sample letter is available on the ARRL Web site.

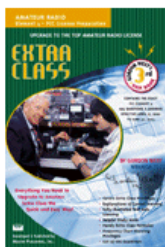
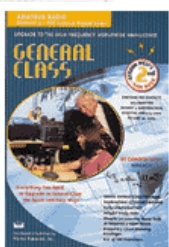
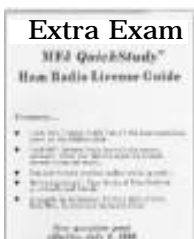
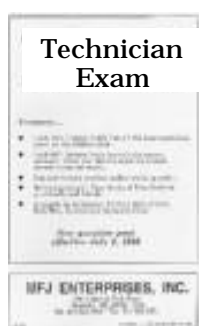
The text of HR 713 is available via the Thomas Web site <<http://thomas.loc.gov/>>. Enter "HR713" in the "Bill Number" window. ARRL asks that members soliciting their members of Congress to cosponsor this legislation to copy their correspondence to the League via e-mail to specbill03@arrrl.org.

The ARRL Letter
Vol. 22, No. 08
February 21, 2003



Upgrade Materials Available

If you would like to get your license or upgrade and need study materials, they are available from members who have already upgraded. I know of several hams who have kindly volunteered to loan their study guides to those wishing to study for a new license or upgrade. **Technician, General and Extra Class study materials are available for the asking.** These study materials include Gordon West's books and MFJ manuals. If you are interested in borrowing any of these materials, contact Mark (AK3M). There are also CW CD's and cassette tapes available.



I HAVE been thinking about upgrading. I think I will borrow some of those materials. I can even take my test at the LVARC !!





This space is available for amateur radio related items you may have for sale.

Perhaps you are looking for a specific item. Place your query in the E-VOX.

Send your item with description and price to Mark (AK3M)



MS Walk In Easton

The MS Walk will be held in Easton, PA on Sunday April 6, 2003. If you wish to get out in the sun and help out this worthy cause, contact **Jeff (N3QZT)**. Jeff counts on LV hams to supply communications support for all the MS Walks.

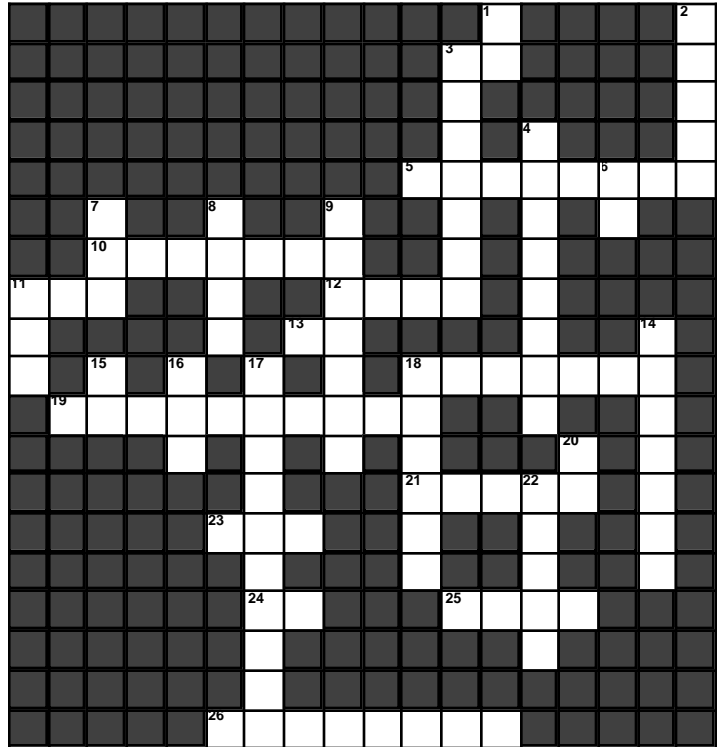
There will be another MS Walk on Sunday May 4, 2003. This one will be in Allentown. Mark your calendar and volunteer your time and expertise for one or both events!



Lehigh Valley Amateur Radio Club Crossword Puzzle

ACROSS

- 3 Not alternating current
- 5 National summer contest
- 10 Audio output device
- 11 Stop sending
- 12 The national amateur organization
- 13 Low bands designator
- 18 Beam, dipole etc.
- 19 Entry level class
- 21 Lehigh Valley Amateur Radio Club
- 23 LVARC newsletter
- 24 Hand-held abbreviation
- 25 ARRL organization
- 26 Meeting/Testing building

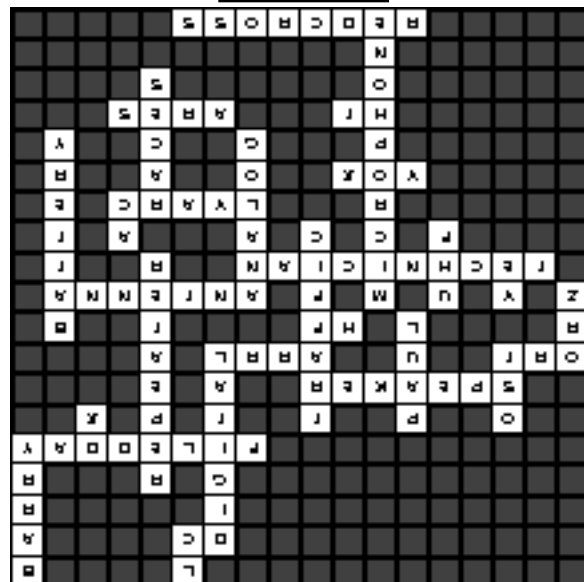


DOWN

- 1 Lehigh County
- 2 LVARC V.P.
- 3 Not analog
- 4 Relay station
- 6 Contacts outside the US
- 7 Attention all amateurs
- 8 LVARC Treasurer
- 9 Amateur messages
- 11 Who is calling me?
- 14 Portable power
- 15 License tester
- 16 70 cm spectrum
- 17 Audio input device
- 18 Not digital
- 20 Current produced by a sine wave
- 22 CD organization



Answer





W3OI Shirts Still Available



For new members or members who may want another shirt, I would like to remind all that W3OI shirts are still available !!! Shirts are available in two styles. A standard "T"- shirt (which is yellow, not white as pictured) and a "Golf Shirt with collar. The golf shirt comes with a red or blue collar. The T-shirt sports a nice starburst LVARC logo and the golf shirt displays W3OI and the name of

the club. **Shirt orders are taken by Paul (N0KIA).** Paul will order shirts in quantity. When ordering, please specify:

(1) Type of shirt ("T" or golf)

(2) Size

(3) Color (if ordering golf shirt)

Sizes are:

T-Shirt ---- S, M, L & XL (\$12.00) XXL (\$15.00)
Golf Shirt ---- S, M, L & XL (\$17.00) XXL (\$19.00)

If interested, contact **Paul (N0KIA)** at **N0KIA@arrl.net**

GET YOUR SHIRT(S) IN TIME FOR FIELD DAY !!!



LVARC New Members

The Lehigh Valley Amateur Radio Club is pleased to welcome Jose Rodriguez (KB3FPJ) to the club.



Don't feel stupid about using your computer -- read on. This is an excerpt from a Wall Street Journal article:

1. Compaq is considering changing the command "Press Any Key" to "Press Return Key" because of the flood of calls asking where the Any Key is.
2. SAT technical support had a caller complaining that her mouse was hard to control with the dust cover on. The cover turned out to be the plastic bag --- the mouse was packaged in.
3. Another SAT customer was asked to send a copy of her defective diskettes. A few days later a letter arrived from the customer along with photocopies of the floppies.
4. Another Dell customer called to say he couldn't get his computer to fax anything. After 40 minutes of troubleshooting, the technician discovered the man was trying to fax a piece of paper by holding it in front of the monitor screen and hitting the "send" key.
5. A Dell technician received a call from a customer who was enraged because his computer had told him he was "bad and an invalid," The tech explained that the computer's "bad command" and "invalid" responses shouldn't be taken personally.
6. A confused caller to IBM was having troubles printing documents. He told the technician that the computer had said it "couldn't find printer." The user had also tried turning the computer screen to face the printer but that his computer still couldn't "see" the printer."
7. An exasperated caller to Dell Computer Tech Support couldn't get her new Dell Computer to turn on. After ensuring the computer was plugged in, the technician asked her what happened when she pushed the power button. Her response, "I pushed and pushed on this foot pedal and nothing happens." The "foot pedal" turned out to be the mouse.
8. Another customer called Compaq tech support to say her brand-new computer wouldn't work. She said she unpacked the unit, plugged it in and sat there for 20 minutes waiting for something to happen. When asked what happened when she pressed the power switch, she asked "What power switch?"
9. Another IBM customer had troubles installing software and rang for support. "I put in the first disk, and that was OK. It said to put in the second disk, and I had some problems with the disk. When it said to put in the third disk, I couldn't even fit it in...." The user hadn't realized that "Insert Disk 2" meant to remove Disk 1 first.
10. In a similar incident, a customer had followed the instructions for installing software. The instructions said to remove the disk from its cover and insert into the drive. The user had physically removed the casing of the disk and wondered why there were problems.



For Sale

From an estate sale, the following are available.

Icom 228H 2 Mtr FM + UT-40
Icom T7H VHF/UHF Handheld
Icom BP-170 Battery Cases (3)
Icom CP-12L Cig. Lighter Adapter
Icom DPC-254L DC Power Cable (2)
MFJ250 Dummy Load
Alpha-Delta Coax Switch - 2 pos.
Alpha-Delta Coax Switch - 4 pos.

Antennae

Alpha-Delta DX-EE Dipole Antenna
Larsen LMM Mag Mount
Larsen LM150 Whip
A.E.A. HotRod Whip
Max146 - 2 mtr ground plane

HF Equipment/Accessories

MFJ 989C 3KW Antenna Tuner
Kenwood TS 440 HF Transceiver
Kenwood PS 50 Power Supply
Kenwood YK-88C Filter
Kenwood YK-88SN Filter
Kenwood LF-30A Filter
Kenwood R1000 Receiver
Kenwood HS-5 Headset
Kenwood TH25AT VHF Handheld
Kenwood PB-6 Battery

(Continued on page 26)



(Continued from page 25)

Kenwood DC-1 Adaptor
Kenwood PG-2V Cable
Kenwood PG-3E Cable
Kenwood BT-6 Battery Case
Kenwood TSU-6 Tone Unit (TH25AT)
Kenwood VS-1 Voice Syn. (TS-440)
Icom IC-751A HF Transceiver + EX-310
Astron RS-35M Power Supply
Novex 537K Speaker Mike
Palomar M855 SWR/Power Meter
Quantum Ham Battery Adapter + Strap

REASONABLE offers will be accepted. If interested in any of these items, contact **Jeff Kelly** (N3MFT) at **kellyj@ptd.net** or **Jim Kelly** (KA3UQP) at **kellyj6@hotmail.com**

LC RACES/ARES Net Welcomes Two New Net Control Operators



The Lehigh County RACES/ARES and Lehigh Valley Amateur Radio Club Net (Monday Night Net) welcome "Team Gable" as net control operators. Robin (KB3GZV) and Dorian (KB3GZW) will come on board as net control operators for the Monday Night Net. Initially, they will handle the 5th Monday of the month Mondays. We welcome their help and thank them for volunteering !