The E-VOX

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



Lehigh Valley Amateur Radio Club - W30I



Officers

President: Mark S. Miller - AK3M (AK3M@rcn.com or AK3M@arrl.net)
Vice President: Barry Mitchneck - KB3FMI (barrym@ptd.net)
Secretary: Rod Wolfe, Jr. - KB3HFZ (rjwolfe@rcn.com)
Treasurer: Paul Ryan - NOKIA (n0kia@arrl.net)



Board of Governors

Chris Kelly - N3RPV (ckelly@ckelly.tv)
Larry Miller - NR3R (milla@enter.net)
Carl Seier - AA3IX (aa3ix@ptd.net)
Bruce Bobo - KB3FIH (bbobojr@ptd.net)
Jim Kelly - KA3UQP (kellyj6@ptd.net)



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Repeaters

146.340/146.940 (PL 71.9) 147.735/147.135 (PL 167.9) Simplex: 147.420

RACES NET

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



W30I Home Page: http://www.w3oi.org



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Happy Holidays!



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The December Meeting will be held at the Red Cross Building on Tuesday December 2, 2003 at 7:30 pm.

Program: Election of Officers - Annual Holiday Party



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

Month	Number of	Number of
	Check-In's	Mondays
January February March April May June July August September	112 88 86 109	Sylvania 5
October	77	4



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THIS MONTH IN HAM RADIO

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
98	ARES RACES Net 7:30	LVARC Meeting Red Cross 7:30		160-meter Contest	160-meter Contest	160-meter Contest TOPS 80-meter
	1	Holiday Party 2	3	4	5	Contest 6
TOPS 80-meter Contest ARRL 10-meter	ARES RACES Net 7:30					Great Colorado Snowshoe Run ARRL 10-meter
OPERATION HO HO 10:00 am	ARES RACES Net 7:30	9	10	11	LVARC VE Test Session 7:00 pm Hanukkah	Intnl Naval Contest
14	15	16	17	18	Begins 19	20
Intnl Naval Contest	ARES RACES Net 7:30		Christmas Eve	Christmas Day	Hanukkah Ends RAC Winter Contest	
21	22	23	24	25	26	27
28	ARES RACES Net 7:30	30		Happ Holid	· ·	

LVARC Meeting -Tuesday December 2, 2003 7:30 pm Operation Ho Ho - Sunday December 14, 2003 - 10:00 AM LVARC VE Test Session - Friday December 19, 2003 7:00 pm





Minutes of the November, 2003 Meeting de Rod (KB3HFZ), Secretary - LVARC

Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes

Date: November 4, 2003

Meeting Called to Order by President Miller at 1937 Hrs, EST.

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

Sign-in Sheet was circulated, with 20 members and 1 guest in attendance.

There were no corrections/additions of minutes as printed in E-VOX.

Treasurer's Report (Paul - NOKIA)

Paul N0KIA reported that the balance for the end of October is \$627.82. Paul also reminded the club that the 2004 Dues are now being accepted. Paul did send a check for \$100.00 to the ARRL Radio Spectrum Defense Fund to assist in the combat of threats against the spectrum. The club voted to send the ARRL \$75.00, and Paul made a \$25.00 donation of his own funds to increase the total amount.

Committee Reports:

Repeater

Jeff N3MFT reported that the antenna for the 94 machine broke during hurricane Isabel and the County of Lehigh has already replaced that antenna.

Rod KB3HFZ reported that to his knowledge 135 is operational and there were no complaints.

Phil KB3HMK has volunteer to head the program committee. President Miller extended his sincere thanks and warm wishes, as this position has been vacant for quite some time. Anyone with ideas or wishing to help Phil with the monthly program should contact Phil.

Web Site

Paul N0KIA reports that web site is up without problems and the newest change indicates that the club is now accepting payment for 2004 Dues. Paul also reminded the club members that you could pay your dues online by using Pay Pal.

Volunteer Examiners

Mark AK3M reported that one more candidate was tested for technician last month and passed.

OLD Business

- 1. The option of a club patch was discussed again. This month President Miller circulated a sheet of paper with three renderings of the proposed patch and requested members to write their call sign next to the one they liked the most. If ordered, the club will have to pay \$4.95 a patch for the first 100 patches, and they would be ordered locally. No further action was taken.
- 2. President Miller provided the dates for Operation HOHO. Operation HOHO will take place on December 14 at 10 am. Interested club members will meet in the main lobby of the Lehigh Valley Hospital Center. President Miller also explained and offered thanks to Larry NR3R for providing the gifts for the children for the past two years as out of pocket expense.
- 3. President Miller asked the club to offset the cost of the event. Motion by Rod KB3HFZ to allow an expenditure of up to and including \$50.00 for this year's event. Seconded by Carl WK3C. No further discussion on the motion, the motion carried all in favor and no opposed.



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New Business

- 1. Robin KB3GZV informed the club of a special event station commemorating the wreck of the Edmond Fitzgerald slated for November 7, 8, and 9th. The station will be operating from Whitefish Bay. More information is available in the November Issue of QST.
- 2. Paul N0KIA received email from a person selling their father's basement full of antique radio equipment. This will not be a club event, this will be up to the individual club members to contact the seller and make their own deals. Paul circulated copies of the email. Any interested club member may contact Paul for more details.
- 3. Jeff N3MFT reminded club members of the Limerick drill, slated for November 5. The drill will take place in Lehigh County in two locations, one at Pitt-Ohio and the second at Orefield Middle School. The EOC will not be open for this drill, but will be involved in another Limerick drill just for EOC's and message handling on November 18. Contact Jeff if you are interested in either drill.
- 4. Carl WK3C provided the club with an update on the BPL issues. Carl reported that recently a very sophisticated van that is operated by the NTIA was parked in and around the Emmaus area to monitor the HF interference that is the result of BPL. Carl will also be traveling to Geneva in the near future to meet with other representatives from the ITU. It is important to note that the day before the NTIA came to town, PPL was very busy in the Emmaus area.
- 5. Paul N0KIA received a request for membership, and paid dues from Joe Pospisil WD8SAF. The motion to accept Joe as a member was made by Carl WK3C and seconded by Walt KE3SP. All were in favor to accept the new member, no one opposed.
- 6. President Miller circulated a 2004 LVARC Election Ballot so that the members could see who has been nominated and accepted nominations for office. President Miller then called for additional nominations in each category. President received no additional nominations, and stood with Mark Miller and Barry Mitchneck in the running. Vice President will have a race between Gregory Kovacs and Walt Snyder. Recording Secretary is unopposed with Rod Wolfe in the nomination. Treasurer is unopposed with Paul Ryan in the nomination. The Board of Governors nominees are as follows: Phil Bigg, Bruce Bobo, Robin Gable, Chris Kelly, Jim Kelly, Larry Miller, Carl Seier, and Frank Unger.
- 7. President Miller called for any other nominations. There being none heard, President Miller called for a motion to close the nominations for club officers for 2004. Motion to close nominations made by Carl WK3C and seconded by Jim KA3UQP. All were in favor, none opposed.
- 8. President Miller called for a motion to close the election for unopposed positions and for the secretary to cast the ballot. Greg KB3CKD made the motion and Jim KA3UQP seconded it. All in favor, with none in opposition.

Guests

The club welcomed Edwin KB3FPK as a guest to the meeting.

The LVARC Monthly Business Meeting Closed at 2028 hrs, EST.

Motion by: Greg KB3CKD Second by: Walt KE3SP

In favor: All Opposed: None

Respectfully Submitted de KB3HFZ, Secretary.

\$\$\$ W30I Finances \$\$\$ Balance as of 10/31/2003 \$627.82





WORLD'S BROADCASTERS JOIN ANTI-BPL CHORUS

A subcommittee of an International Telecommunication Union (ITU) http://www.itu.org/ panel of technical experts responsible for terrestrial broadcasting issues has joined a growing chorus of concern about the interference potential of power line telecommunication (PLT)--better known in the US as Broadband over Power Line (BPL). ITU Radiocommunication Sector (ITU-R) Sub Working Group (SWG) 6E1 expressed the view that interference produced by systems employing PLT as well as by Industrial, Scientific and Medical (ISM) equipment and shortrange devices, would compromise broadcast reception.

"SWG 6E1 is of the opinion that any increase in the amount of noise due to these systems is unacceptable," said a statement from the group's chairman to the chairman of Working Party 6E (WP 6E). "In particular, broadcast services should be protected from unwanted emissions from PLT systems," the panel asserted, "as these emissions are a byproduct of a system that is not itself a user of the radio spectrum." The panel recommended the formation of a group representing all users of the radio spectrum "to coordinate development of limits to be imposed on the radiation from these systems."

WP 6E says it will continue to study the effects of PLT/BPL, ISM equipment and short-range devices on terrestrial broadcasting and send the results to ITU-R Working Party 1A, which is responsible for spectrum engineering techniques. WP 1A is scheduled to meet in Geneva October 30 to November 5.

ARRL Chief Executive Officer David Sumner, K1ZZ, expressed strong support and appreciation for the SWG's conclusions and the ongoing efforts of parent Working Party 6E to study the issue. "If BPL is a problem for broadcasters," Sumner said, "it's easy to see that it would be a disaster for us."

Broadcasters themselves also have exhibited increased concern about the potential of PLT/BPL to prevent their signals from reaching listeners. The Research and Development branch of the highly regarded British Broadcasting Corporation (BBC) has released a White Paper http://www.bbc.co.uk/rd/pubs/whp/whp067.html reporting on a brief trial in Scotland. The two competing PLT/BPL systems in operation in the town of Crieff both interfered with HF reception. Tests were conducted at four locations.



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"The forms of access PLT that were tested in Crieff were found to have demonstrable potential to cause interference to indoor reception of broadcasting in relevant bands," the White Paper concluded. Significant interference even occurred in one residential area with an underground power distribution cable. BBC engineers described the interference as varying between "annoying" and "a level sufficient to make the broadcast completely unintelligible." Before commercially licensing PLT, the report advised, regulators need to undertake further study of other PLT systems and, among other issues, look into possible ways to make the PLT systems compatible with radio reception.

A report prepared by the Australian Communications Authority (ACA), Broadband Powerline Communications Systems--A Background Brief http://www.aca.gov.au/radcomm/frequency_planning/spps/0311spp.pdf, concluded that "a potential risk to HF radiocommunications services from the widespread use of broadband powerline communications systems" appeared to exist. Citing BPL trials in the US, Europe and Asia, the ACA brief said, "The results of these trials have not alleviated concerns over the potential interference risk to radiocommunications."

ARRL's comments http://www.arrl.org/announce/regulatory/et03-104/, reply comments

http://www.arrl.org/announce/regulatory/et03-104/reply-comments-index.html and technical exhibits filed with the FCC in response to the Commission's Notice of Inquiry (ET Docket ET 03-104) are available on the ARRL Web site. See also the article "BPL is a Pandora's Box of Unprecedented Proportions, ARRL Tells FCC"

http://www.arrl.org/news/features/2003/07/08/1/. Additional information and video clips are on the ARRL "Power Line Communications (PLC) and Amateur Radio" page http://www.arrl.org/tis/info/HTML/plc/.

To support the League's efforts in the BPL fight, visit the ARRL's secure BPL Web site https://www.arrl.org/forms/development/donations/bpl/.



The ARRL Letter Vol. 22, No. 40 October 10, 2003



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LVARC Activities/Events

Mark your Calendar

PRINT, CLIP and POST



Monday December 1 ---- LC RACES/ARES Net - 7:30 pm (146.94) Tuesday December 2 --- LVARC Meeting -7:30 pm - Red Cross Thursday December 4 --- Night Owl Net - 10:00 pm (146.94) Monday December 8 ---- LC RACES/ARES Net - 7:30 pm (146.94) Thursday December 11 --- Night Owl Net - 10:00 pm (146.94) Monday December 15 ---- LC RACES/ARES Net - 7:30 pm (146.94) Thursday December 18 --- Night Owl Net - 10:00 pm (146.94) Friday December 19 --- LVARC ARRL VE Test Session - 7:00 pm Monday December 22 ---- LC RACES/ARES Net - 7:30 pm (146.94) Thursday December 25 ---- Christmas Day Thursday December 25 --- Night Owl Net - 10:00 pm (146.94) Monday December 29 ---- 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 changes.



Remember, the LVARC VE Test Sessions are held the third Friday of each month at 7:00 pm. at the Red Cross building.

REGISTRATION IS NECESSARY! NO WALK-IN'S.

To register, contact Mark (AK3M) at AK3M@RCN.COM or call 610 - 856 - 9183

What Is Hanukkah?

Hanukkah, the Festival of Lights, is a celebration of the victory of the Maccabees and the rededication of the Jerusalem Temple. It also commemorates the miracle of the oil that burned for 8 days (December **19-26).**





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Antenna Projects

(Just in time for winter)

Robin (KB3GZV) and Dorian (KB3GZW) erected a Challenger Vertical just in time for winter! The vertical covers 80 through 2-meters.











(Antenna Projects - continued on page 11)



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(Antenna Projects - continued from page 10)

I (AK3M) owe a BIG THANKS to Larry (NR3R), Frank (W3FTU) and my nephew Rob (NR3R's son) for putting up my new Cushcraft MA5B beam on a beautiful Saturday in October. My first two contacts were Antarctica and St. Helena Island (5-9!). By the way, Rob is planning to study for his



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)



BPL and the FCC de Greg (KB3CKD)

To contact the FCC about BBP, Greg (KB3CKD) offers the following websites:

http://gullfoss2.fcc.gov/prod/ecfs/upload v2.cgi

http://gullfoss2.fcc.gov/ecfs/Upload?hot_docket=1007100800%7C03-104%7CBro

Greg also submits the following text for expressing your opposition to BBL.

Enter: 03-104 in the line that says proceeding. Fill in the necessary information. At the very bottom cut and paste this

Over 4900 comments as of October 4th, 2003---WE NEED TO DO THIS! ALL OPERATORS SHOULD ENTER THEIR COMMENTS AND PASS THIS ONTO YOUR E MAL **REFLECTORS/LISTS!**

Lets get it over 100,000 comments quickly!

I am against the use of exposed or open line BPL. BPL poses a serious problem for any user of the HF Spectrum. This would include Amateur Radio Operators, Short Wave Listeners, Military and Transportation services. BPL drowns out many AM broadcast stations on the 550 Khz. to 1700 Khz. frequencies. The broadcasters will complain that they are not able to reach the current market with their advertising and programming.

For example, in Emmaus, PA, where BPL has been already been placed into service, many listeners in Emmaus cannot hear KYW AM 1060 KHz, in Philadelphia, running 50,000 watts power. BPL also renders the HF spectrum useless to Amateur Radio Operators within 100 meters of the exposed BPL lines.

Currently Cable Services deliver similar services via "Closed Circuit" cables and fiber optics. Leakage of the Cable Services into the HF spectrum are severely dealt with by the FCC. Leakage if BPL into the HF spectrum will not even be a violation as open wire cannot suppress leaking of RF. If BPL is permitted, it should be only on shielded and filtered lines, similar to those required by the cable TV industry. RF signals are not supposed to escape from or intrude into the cable TV lines. Radio signals can coexist with cable signals even on the same frequencies. Havoc occurs when signals leak into and out of the cables. Are the BPL users going to establish replacements for the current amateur radio emergency communications stations?

Currently, we hams frequently contend with noisy electric power lines, hardware, and transformers which interfere with our reception. The FCC requires the electric utilities to repair and clean up those lines. Our local electric utilities, Met Ed and PPL, are very cooperative, compliant, and helpful. Please do not allow any change by allowing "open wire BPL." During emergencies, how will we communicate?



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(BBL and the FCC continued on page 13) (BBL and the FCC continued from page 12)

Even if BPL is turned off during emergencies, what hams will be left to communicate? They will have quit in disgust, sold their equipment, and dismantled their stations. The FCC must protect the non-commercial communications interests that invade the HF spectrum. To damage the HF infrastructure of

over 1 million licensed amateur radio operators is to remove the backbone of emergency communications.

There are better ways to accomplish the same goal that the power industry is seeking. Lets build covered bridges around the problem, not clear the village of all the infrastructure.

Now, more than ever, QSL.NET is in urgent need of your financial support.

Please help QSL.NET by sending a donation now.



Holiday Stories and Traditions

The History of Santa Claus



Santa Claus has been called by several different names throughout the years. The original tradition and legend of Santa Claus may have been based on the early Dutch legend of Sinter Klaas, originating in the 1600's.

Santa Claus really started to get famous when American author Washington Irving published stories about Santa Claus, referring to him as Saint Nicholas, Saint Nicholas arrived on Christmas Eve bringing presents for children.



Did you know that the famous Christmas poem, "The Night Before Christmas" was written by Clement Clarke Moore in 1823. That makes the story 180 years old! It was he who offered the wonderful description of Santa.





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Federal Advisory System



We have all seen the daily "alerts" on TV.

The chart on the right is for your review.



Red – The state may restrict transportation and access to critical locations.

You must adhere to the restrictions announced by authorities and prepare to evacuate, if instructed. Stay alert for emergency messages.



Orange — The state may activate Emergency Operations Centers and begin to restrict access to some critical locations.

You should review your emergency communications plan with your family and monitor the news for further information and instructions.



Yellow — The state will increase surveillance at critical locations such as power plants, bridges and tunnels.

You should develop alternative routes for travel between work, home and school. Prepare to assist the elderly or those with special needs.



Blue — The state will put key emergency response personnel on stand-by and provide information to the public as needed.

You should be alert for and report any suspicious activity to the proper authorities. Review your emergency kit and replace ouldated items.



Green — The state will continue to develop and refine emergency response plans and conduct training exercises.

You should develop an emergency communications plan and stock an emergency kit.



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Winter Traveling Tips

From "Pennsylvania Emergency Preparedness Guide" included in the Sunday Morning Call - 2003

Plan ahead for winter storms at home: Plan ahead for winter traveling: Keep your gas tank near full to avoid ice in the Inside your home or other building: tank and fuel lines. . Stay inside. When using alternative heat from a Let someone know your timetable and primary fireplace, wood stove, space heater, etc., use fire and alternate routes. safeguards and properly ventilate to avoid carbon If caught in a vehicle: monoxide poisoning. Carbon monoxide gas is Stay in your car or truck; discrientation occurs colorless and odorless! quickly in wind-driven snow and cold. If you have no heat: Close off unneeded rooms. Stuff towels or rags in the cracks under doors. Run the motor about ten minutes each hour for heat. Open the window a little for fresh air to Cover windows at night. avoid carbon monoxide poisoning. Make sure the Eat and drink. Food provides the body with exhaust pipe is not blocked. energy for producing its own heat. Keep the body Make yourself visible to rescuers. Turn on the replenished with fluids to prevent dehydration. dome light at night when running the engine. Tie Wear layers of loose-fitting, lightweight, warm. clothing. Remove layers to avoid overheating, a colored cloth (preferably red) to your antenna or door. Raise the hood to indicate trouble after perspiration and subsequent chill. snow stops falling. Exercise from time to time by vigorously moving arms, legs, fingers and toes to keep blood circulating and to keep warm. Make a Winter Emergency Car Kit Blankets/sleeping bags · High-calorie, non-perishable · Shovel Tow rope Flashlight with extra batteries. food Windshield scraper Booster cables Extra clothing to keep dry and brush First-aid kit. Water container Sack of sand (or cat litter) Tool kit Utility knife Compass and road maps

winter Checklis	t — Select an Item
Get a Tuneup	☐ Check Rear Defrost
☐ Check Battery	☐ Know Your Car
☐ Check Coolant	☐ Get Snow Tires
☐ Fix Leaks	☐ Carry Supplies
☐ Check Wipers	☐ Have a Phone
☐ Fill Your Tank	☐ Tire Chains
☐ Fill Washer Fluid	☐ Clean off Your Car
☐ Carry Sand Bags	☐ Go Slow





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Pictures That Make You Say "AWW" (and make you feel good) -- **de Bob (KE3AW)**











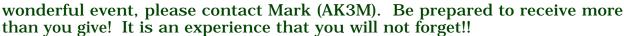






OPERATION HO HO SCHEDULED FOR SUNDAY DECEMBER 14, 2003

Operation Ho Ho, 2003 is in its third year!! We have had wonderful cooperation from the Erin Shaffer and the staff at the Lehigh Valley Hospital Center (Cedar Crest Blvd.). As before, the children in the children's unit will have the opportunity to talk to Santa via ham radio (2-meter simplex). If you would like to be an "elf" and volunteer for this





The Emmaus Halloween parade was held on a chilly night on October 18, 2003. Although a DLARC event, many LVARC members participated and the LVARC "135" machine was used. TNX to the following for volunteering their time: Mark (AK3M), Larry (NR3R), Ray (W3TDF) and wife Greta, Missy (N3TFG) and Dave (KD1G), Bruce (KA3ONZ) Joe (KE3DZ), Barry (KB3FMI), Jeff (N3QZT), Jeep (WA3DAY) and wife Myrtle. Dick (KA3MOŬ) and wife Maryann, Bruce (KB3FIH), Glen (N3ULW) and wife Jill (N3ZSR), Bob (KE3AW), Jim (KN3DZY), Bill (KA3RBH), and Bob (N3QQ) who shadowed the parade marshall to provide amateur communications. After the parade, all met at Bob Evans' restaurant for post-parade food and fellowship. TNX to Bob (KE3AW) for all the parade arrangements!





LVARC ARRL VE Session Report

At the October 17, 2003 LVARC ARRL VE test session, one tested and one passed! Ve's in attendance were Walt (KE3SP), Frank (W3FTU) and Mark (AK3M)



are your antennas READY FOR WINTER?

Remember the ice from last year? Remember the snow? Remember the wind? Check all hardware and connections!

> Check those antennas now while you can still work outside!



New Ham Receives Call In Record Time!

Rich Hetzel tested for his Technician license at the LVARC's October 17, 2003 test session and received his new call on Wednesday October 22, 2003, a new time record! The amateur radio community

welcomes Rich as KB3KIO !!!

CONGRATULATIONS RICH!!!





The Lehigh Valley Amateur Radio Club's annual Holiday Party will be held on the night of the December meeting (Tuesday December 2, 2003) immediately following the December business meeting.

The party consists of food, food and more food accompanied by plenty of conversation which quickly turns to topics related to ham radio.



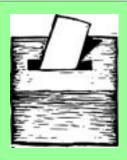
If you plan to attend the meeting and the party, please bring something to share with the group. Your contribution can be cookies, something to drink, something hot or anything you like. Remember to include all the necessary accessories like plates, napkins, spoons

ELECTION OF OFFICERS FOR 2004

will be held at the December 2, 2003 meeting prior to the annual holiday party. COME OUT AND VOTE! SUPPORT YOUR CLUB!



BALLOT for **ELECTION OF OFFICERS - 2004**



Elections for LVARC officers will be held at the December, 2003 meeting (Tuesday December 2, 2003). Ballots for voting will be available at the meeting but if you wish to vote before, please submit your completed ballot (on page 21) via US mail to Rod (KB3HFZ) ON OR BEFORE November 24, 2003. You may also email Rod (rjwolfe@rcn.com).

Place your ballot in an UNMARKED SEALED ENVELOPE INSIDE THE MAILING ENVELOPE and it will be hand carried to the meeting. It will NOT be opened until the meeting.

As an active member of the LVARC, you have the option of voting for nominated officers!

> Rodney J. Wolfe (KB3HFZ) 1134 4th St **Catasaugua, PA 18032-2746**

The Annual Holiday Party will begin immediately following the regular business meeting and election of officers (see page 19)





LVARC ELECTION BALLOT FOR OFFICERS FOR 2004

This can be used by those who receive the E-VOX via US mail



President (vote for one)
Mark Miller (AK3M) Barry Mitchneck (KB3FMI)
Vice President (vote for one)
Greg Kovacs (KB3CKD) Walt Snyder (KE3SP)
Secretary (unopposed)
X Rod Wolfe, Jr. (KB3HFZ)
Treasurer (unopposed)
X Paul Ryan (NOKIA)
Board of Governors (vote for <u>FIVE - 5</u>)
Robin Gable (KB3GZV) Carl Seier (AA3IX)
Larry Miller (NR3R)
Phil Bigg (KB3HMK)
Chris Kelly (N3RPV) Frank Unger (W3FTU)
Jim Kelly (KA3UQP)
Bruce Bobo (KA3FIH)

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A BIG TNX to ALL WHO HAVE DONATED TO THE LVARC



A BIG TNX to all who have donated time, talent and/or financial support to the LVARC this past year! Most recently, TNX to Paul who donated \$25.00 of his own money so the total LVARC donation to the ARRL's BPL fund could total an even \$100.00!!!!!!

VISITORS and GUESTS to the LVARC

November 4, 2003 meeting included, Edwin M. Alicea (KB3FPK).

LVARC Welcomes New MEMBER

Joe Pospisil (WD8SAF) was voted into the LVARC membership at the November 4, 2003 meeting. WELCOME TO THE LVARC, Joe!

TNX to Phil (KB3HMK) for volunteering to be

the LVARC's new Program Director!!! Phil invites you contact him with any program suggestions you may have. E-mail Phil at PHILBERT@ENTER.NET.

The LVARC Plans Another Dinner

Meeting - The LVARC will hold another dinner meeting at the Lehigh Valley Diner on 7th street in Allentown. The February 3, 2004 meeting will be held at the diner at 7:00 pm.

■□

LVARC Members Decide on Design of Club Patch.

At the November 4, 2003 meeting, a revised patch design was passed to members. The design at the right was the most popular design.



Please note that the design shown here does not necessarily represent the exact color or size of the finished product. Following, is the text regarding the creation and cost of this patch. At this time, no order has been placed but we are getting closer!

The company is Body Teeze in Whitehall. The time to produce these patches is approximately 3 weeks.

The cost is \$4.95 per patch with a minimum order of 100 patches. The patches are 2 to 4 inches in diameter and contain up to 5 colors. The design is up to 75% coverage. The base is twill with a marrowed edge.

The price for production includes one hour of artwork. After that, it is \$30.00 an hour.

If the artwork is supplied to Body Teeze, it must be clear black and white or an EPS file in a PC format.

The club must supply 50% of the final cost up front with the remainder due on pick up of the product.



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Christmas--that magic blanket that wraps itself about us, that something so intangible that it is like a fragrance. It may weave a spell of nostalgia. Christmas may be a day of feasting, or of prayer, but always it will be a day of remembrance--a day in which we think of everything we have ever loved.

Augusta S. Aundel