

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)

Simplex: 147.420

RACES NET

Every Monday at 7:30 (ET)

All are welcome !



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



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

Program: Super Regenerative Receiver (W3NCX) (see p. 7)



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 (EDT) 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
March	85	5
April	81	4
May	80	4





This Month In Ham Radio

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		LVARC Meeting Red Cross 7:30 RAC Canada Day Contest 1	2	3	 July 4th QRP July 4th CW Sprint 4	QRP July 4th CW Sprint Venezuelan Ind. Day Contest SSB/CW 5
Venezuelan Ind. Day Contest SSB/CW Kentucky QSO Party 6	ARES RACES Net 7:30 7	8	9	10	11	IARU HF World Championship 12
IARU HF World Championship 13	ARES RACES Net 7:30 14	15	16	17	LVARC VE Test Session 7:00 pm 18	Colombian Ind. Day Contest CQ Worldwide VHF Contest LVARC PICNIC 19
CQ Worldwide VHF Contest CQC Great Colorado Gold Rush 20	ARES RACES Net 7:30 21	22	23	24	25	IOTA Contest 26
IOTA Contest 27	ARES RACES Net 7:30 28	29	30	31	 2003	

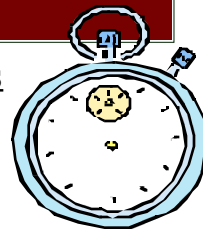
LVARC Meeting -Tuesday July 1, 2003 7:30 pm
LVARC VE Test Session - Friday July 18, 2003 7:00 pm



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

Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes

Date: 03 JUNE 2003



Meeting Called to Order by President Miller at 1942 Hrs, EST.

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

Sign-in Sheet Circulated, with 25 members and 2 guests in attendance.

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

1. Greg stated that he received 2 replies to his field day email, not 3 as reported in the May 2003 minutes. Change noted.
2. Mark corrected the donated power supply is actually 35 amps, not 65 amps as reported in the May 2003 minutes. Change noted.
No other corrections or additions.

Treasurer's Report (Paul - N0KIA)

Current Balance: \$774.10

Treasure's Report Accepted, motion by: Carl AA3IX

Second by: Barry KB3FMI

In favor: ALL

Opposed: NONE

Committee Reports:

Repeater

Jeff reports that all the repeaters are operational. Rod KB3HFZ has some of the control codes for the 135 machine, will check with Erik AI3D for the rest of the codes.

Program

Club member Hank Mohr, W3NCX, will provide information and demonstration on the "Super Gainer Receiver" after the July business meeting. Hank reports that this receiver is complete hollow state and also that "real radios glow in the dark". A fox hunt and fishing trip were also discussed under new business.



Field Day

- A. President Miller states that he sent a press release to John Conklin and to WAEB.
- B. Greg sent invitations to the mayor and the police chief, when questioned as to from what district Greg reported that he sent to the City of Allentown.
- C. Rod KB3HFZ will cook again this year, and is once again asking for head counts.
- D. Frank W3FTU has offered his culinary skills in the kitchen.
- E. Bruce KB3FIH has offered the use of his generator.
- F. Greg KB3CKD reported the following: There will be 4 stations available. Please keep the vertical antennas as far apart as possible. We are still in need of a card table. Log sheets and duplicate sheets will be paper again this year. We need to send traffic and receive traffic for extra points. Any member that can copy the ARRL field day message ahead of time is welcome to, it is usually very difficult to copy the first time.
- G. Members are expected to arrive at approximately 1700 on Friday night to just relax and enjoy the weekend. The set up will begin on Saturday morning and Field Day runs from 1800Z, June 28 to 2100Z June 29. (1400 EST Saturday to 1700 EST Sunday).
- H. Greg also cautioned everyone to be prepared for rain. Tent camping and indoor lodge camping are available.

Web Site (Paul)

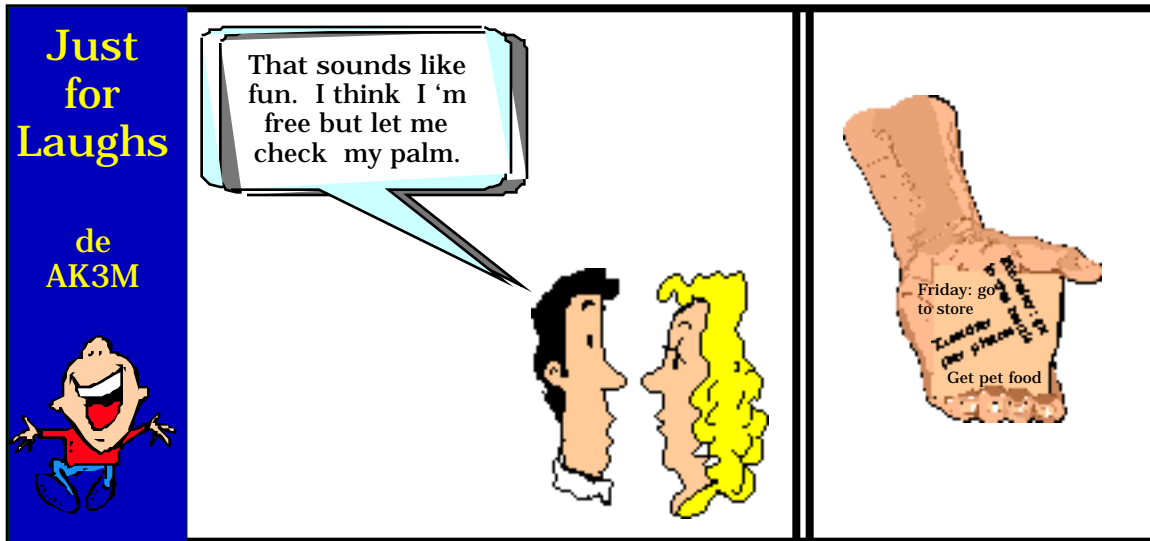
It's up and running, no problems, no complaints.

OLD Business

- 1. The memorial plaque was available and passed around for everyone to see.
- 2. Code Study group. If anyone would like to start this, there are plenty of people asking for this type of activity.
- 3. Frank W3FTU has found a multi-jack tape recorder and this has been donated to the club. This item was discussed many months ago. The tape recorder will be available for code study groups and for the VE team.
- 4. Mark is placing the order for the yellow amateur radio lanyards.

Minutes continued on page 31

\$\$\$ W3OI Finances \$\$\$	
Balance as of 5/30/2003 \$774.40	



Didja ever

listen to the aircraft frequencies, and notice how **fast** the tower personnel and pilots talk? Is this taught in "pilot school?"

Program for July 1, 2003 Meeting to Include LVARC Life Member !!!!

Henry Mohr (W3NCX) will be the guest speaker/presenter for Tuesday July 1, 2003 program. His topic will be **Super Regenerative Receiver !** Henry is a charter member and life member of the LVARC and certainly one of my many mentors. Henry still keeps abreast of LVARC activities as he receives the E-VOX via US mail. Henry promises to attend the meeting and will present following the conclusion of the regular business meeting.



Mark your Calendar ---

PRINT, CLIP and POST



LVARC Spring/Summer, 2003 LVARC Activities

July, 2003

Tuesday July 1, 2003 - LVARC Meeting - 7:30 - Red Cross Bldg.

Saturday July 4, 2003 - LVARC Annual Picnic (at Bruce's house- KB3FIH)

Sunday July 6, 2003 - RCN/LVARC TV Program.

Monday July 7, 2003 - LC RACES/ARES Net - 7:30 pm

Thursday July 10, 2003 - RCN/LVARC TV Program.

Monday July 14, 2003 - LC RACES/ARES Net - 7:30 pm

Friday July 18, 2003 - LVARC VE Test Session - 7:00 pm

Monday July 21, 2003 - LC RACES/ARES Net - 7:30 pm

*** Saturday July 26, 2003 - LVARC Deep Sea Fishing Trip (Details TBA)**

Monday July 28, 2003 - LC RACES/ARES Net - 7:30 pm

August, 2003

Monday August 4, 2003 - LC RACES/ARES Net - 7:30 pm

Tuesday August 5, 2003 - LVARC Meeting - 7:30 - Red Cross Bldg.

Monday August 11, 2003 - LC RACES/ARES Net - 7:30 pm

Friday August 15, 2003 - LVARC VE Test Session - 7:00 pm

Monday August 18, 2003 - LC RACES/ARES Net - 7:30 pm

Saturday August 23, 2003 - LC EMA Picnic - 1:00 pm (see page 17)

Monday August 25, 2003 - LC RACES/ARES Net - 7:30 pm

There will be changes in the schedule or events, which are not listed here. **Listen to the net and read your e-mail for additional information !!**

Local Hamfest Calendar

(TNX to Bill (K3ANS))

July 4 Harrisburg, PA
 July 6 Wilkes-Barre, PA
 July 13 Kimberton, PA
 July 19 Jonestown, PA
 July 27 Timonium, MD

September 6 Bartonsville, PA
 September 6-7 W. Friendship, MD
 September 13-14 York, PA
 September 20 Allentown, PA

August 2 Lewistown, PA
 August 3 Berryville, VA
 August 10 Westminster, MD
 August 24 Hanover, PA

October 19 Sellersville, PA
 October 25 Carlisle, PA
 October 26 Westminster, MD



**“Interactive”
Picture**



Add your own caption to the picture above. It must be ham radio related. Send your submission to me (Mark - **AK3M@rcn.com**). All entries will be published in the July issue of the newsletter.

Larry sends the following caption for the “Interactive Picture” which appeared in the June issue of the newsletter. **“pheewwwthank goodness Field Day is over.”**

**How Long is a
Bowling Alley ?**

(Answer page 10)





CONGRATULATIONS to
*Chris Kelly (N3RPV). Chris
is now a member of the ARRL!!*



NEW TECHNICIAN CLASS QUESTION POOL TO TAKE EFFECT JULY 1, 2003

The new Technician class pool will contain 511 questions. As before, the Technician class examination will contain 35 multiple choice questions from that pool. All question pools can be found at www.arrl.org/arrlivec/pools.html

Current general class (element 3) - expires at midnight
June 30, 2004.

New general class (element 3) - effective
July 1, 2004 through June 30, 2008

Current extra class (element 4) - expires at
midnight 30, 2006

from QST, June, 2003 p. 92

I think
I will get that
Tech license
at the LVARC
NOW !!

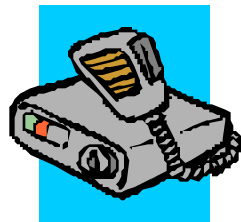


How Long
is a
Bowling
Alley ?

"The alley or lane is **60 feet long** from the foul line (at the player's end) to the center of the head (first) pin at the other end. The **total** length from the foul line to the end of the pin deck (the area under the pins) is **62 feet 10 and 3/16 inches long.**"



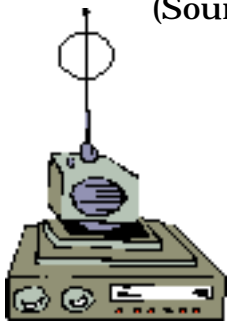
You Know You're a Ham if:



- you buy electrical black tape in ten packs.
- you've stripped wire with your teeth.
- you've told your son that, "One day, all this will be yours", and he doesn't respond.
- you'd rather help a buddy put up a new tower than mow the lawn.
- you've grabbed the wrong end of a soldering iron.
- you start giving out RST reports when you are on the telephone.
- the propagation forecast means far more to you than the local weather forecast.
- the microphone or visual aids at a meeting don't work and you rush up to the front to fix it.
- you tell the XYL, when she notices a new rig in the shack, why that has been there for years.
- your watch is set only to UTC.
- at night, when you pray, it starts off something like: CQ CQ CQ GOD DE (your callsign).
- you ever had to patch your roof after an antenna project.
- Ham radio magazines comprise more than 50% of your bathroom library.
- you ever put a GPS tracker in the XYL's car, just so you could watch her on APRS.
- you and the XYL took a cruise so you could visit the radio room.
- you ever tapped out HI in Morse on your car horn to another ham.
- you ever had an antenna fall down.
- your teenager refuses to ride in your car because it looks like a porcupine.
- you know the Latitude and Longitude of your home QTH.
- you go into the local Radio Shack store and the clerk asks you where something is.

(Source: <http://home.attbi.com/~buck0/hamjoke2.html>)

Submitted by Frank (W3FTU)





LVARC Patch

Robin KB3GZV) has designed a club patch which is shown at the right.

He has been looking into getting this patch made and available to LVARC members.

More on this venture as information becomes available.



Silent Key

William F. Werner (W3FYK)



William F. Werner, 88, of Second Street, Bethlehem, died May 17 in Lehigh Valley Hospital-Muhlenberg, Bethlehem. He was the husband of the late Effie (Slegel) Werner. He was an electronics foreman for Bethlehem Steel Corp. for 30 years before retiring in 1977. Born in Easton, he was a son of the late Nevin L. and Helen R. (Shafer) Werner. He was a member of St. John's Lutheran Church, Farmersville, and its Brotherhood. He was a Navy veteran of World War II and the Korean War. He was a member of Schofield Masonic Lodge in Hawaii, and the Lehigh Valley Radio Club and Quarter Century Wireless Association. Survivors: Son, William F. Jr. of Sandy Hook, Conn.; daughter, Susanne M. LeClair of Elgin, S.C.; five grandchildren, three great-grandchildren. Services: 10 a.m. Tuesday, Ashton Funeral Home, 14th and Northampton streets, Easton. Call 7-8:30 p.m. Monday.

Published in the Morning Call on 5/18/2003.



Two Receive
Technician Class
Licenses at
the May LVARC ARRL
VE Test Session

Two people took advantage
of the LVARC VE Test
session which was held on
May 16, 2003. They each
passed their Technician
class exams!

Congratulations go to **Robert Densmore** and **Louis Weaver**!

LVARC VE's in attendance included **Walt** (KE3SP),
Frank (W3FTU), **Rod** (KB3HFZ) and **Mark** (AK3M).

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



**Carbon County Emergency
Coordinator (EC) Needed**

Contact Mark (AK3M@rcn.com)
or
John (WX3W@fast.net)

**LVARC Deep Sea Fishing Trip
Scheduled for Saturday July 26, 2003.
Contact Chris (N3SIG) for details
(n3sig@arrl.net).**





LVARC ARRL/VE Team Now Has Tape Recorder



A **HUGE TNX** to Frank (W3FTU) for getting the LVARC VE Team a cassette tape recorder! Frank found and repaired a cassette tape recorder which has multiple outputs. That means up to six sets of headphones can be used with the output. He also supplied the headphones.

The tape recorder will be used for giving the CW portion of the Technician with HF test which are on cassettes.



Night Owl Net to Start Again?



Mark Staller (N3ULR) would like to see the *Night Owl Net* start again, perhaps with some time modifications. Mark is willing to act as Net Control. If you are interested in joining Mark and restarting this net, please contact him after the Monday Night RACES/ARES/LVARC net or e-mail him at: n3ulr@yahoo.com



Do You Have **CC&R's** ?

Another Congressional attempt is under way to provide relief to amateurs prevented by private deed **covenants, conditions and restrictions (CC&R's)** from installing outdoor antennas. Rep Steve Israel (D-NY) has again introduced the "Amateur Radio Emergency Communications Consistency Act" into the current session of Congress. The measure, designated HR 1478, would require private land-use regulators such as homeowners' associations to "**reasonably accommodate**" **Amateur Radio antennas** consistent with the PRB-1 limited federal preemption. PRB-1 now applies only to states and municipalities.



Israel said passage of his bill not only would assist Amateur Radio operators but society as a whole. He continues, "... hams regularly provide emergency communications when regular communication channels are disrupted by disaster." "The growth of developed communities has put a growing number of hams under an "array of of inconsistent regulations." He said that it is "harder and harder or altogether impossible to erect antennas."

"Not allowing hams the equipment they need could restrict communication to the local community in [disaster] situations in the future. Israel "seeks to ensure the continued viability of Amateur Radio through consistent application of federal regulations.

HR 1478 has bipartisan support. Leading the list of 13 initial cosponsors for the measure are Reps Greg Walden (WB7OCE) and Mike Ross (WD5DVR) - believed to be the only Amateur Radio licenses in Congress. In addition, Joseph Hoffel (D-PA) et. al. have signed on as cosponsors.

ARRL president Jim Haynie (W5JBP), said he was happy to see the bill back in Congress. "**The League can do the mechanics, but it is up to our members to write their elected representative and urge support and ask that they cosponsor and support the bill.**"

Information about the bill and a sample letter to use when contacting your representative are available on the ARRL web site at www.arrl.org/govrelations/hr1478. (From QST, June, 2003. page 71)

(Continued on page 16)



(Continued from page 15)

For most of us, our Representative is *Patrick J. Toomey*. Below is a copy of the sample letter you will find at the ARRL web site.

LETTERHEAD WITH YOUR ADDRESS

Rep. _____

United States House of Representatives

Washington, DC 20515

Dear Rep. _____

I urge you to co-sponsor H.R. 1478, the "Amateur Radio Emergency Communications Consistency Act," sponsored by Rep. Steve Israel. The bill would alleviate a problem facing many federally licensed Amateur Radio operators living within development communities who are subject to unreasonable restrictions or outright prohibitions regarding the installation of external antennas.

Under current law, the FCC applies a policy that instructs states and localities that they must reasonably accommodate Amateur Radio antennas. The policy, however, fails to address situations affecting private land-use groups. Rep. Israel's bill would ensure consistent application of these regulations.

This legislation seeks to insure that Amateur Radio operators are available for emergency communications in all sections of the country, regardless of whether they live in a development, such as a retirement community, or townhouse subdivision. Restrictions against antennas render Amateur Radio operators unable to utilize their licenses, which in turn may ultimately hinder their emergency communication role during times of disaster or national crisis.

Amateur radio provides a vital public safety communications service to the public at no cost to taxpayers. I hope you will join Rep. Israel in co-sponsoring his bill.

I look forward to hearing from you as you consider this important legislation.

Sincerely,

Editor's Note (AK3M): The completed sample letter can be e-mailed to Rep Toomey via his web site at:

http://www.house.gov/htbin/wrep_findrep

I strongly urge all LVARC members to write Rep Toomey with your feelings about this bill!



As a member of the LC RACES

You are invited to the

***2nd Annual
Lehigh County
Emergency Management Agency
"Summer Meltdown"***



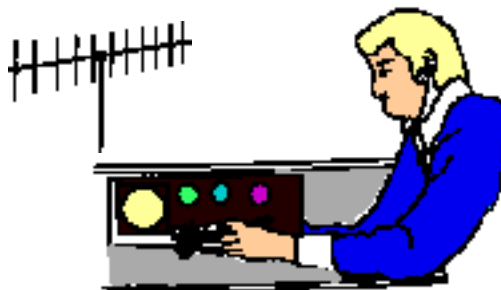
***Saturday August 23rd. 2003
13:00hrs at the Soccer Field Pavilions
Broadway in Cetronia.***

***Bring a covered dish to share.
Burgers / Dogs and Soda will be provided.***

For More info contact the EMA office or
email cpost@lehighema.org or forrestwieder@lehighcounty.org



LVARC VE Testing Yields Two New Hams



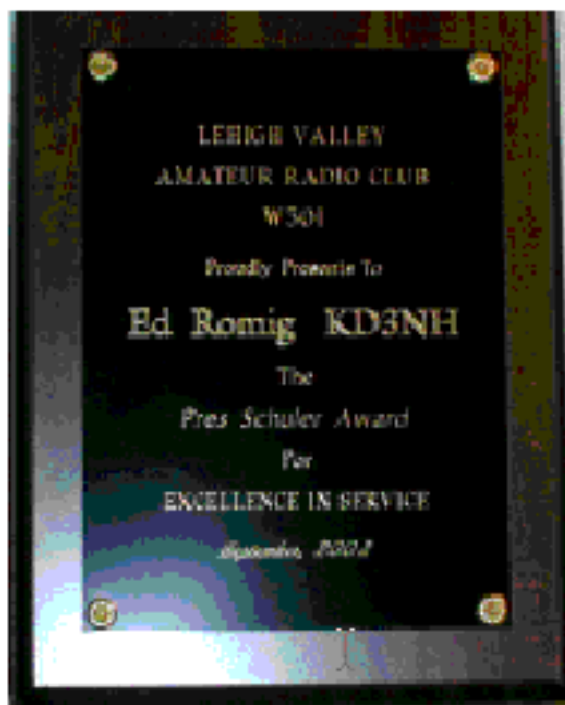
One week from "TEST TO CALL !!" The two who tested at the Friday May 16, 2003 LVARC ARRL VE test session received their calls one week later (May 23). **CONGRATULATIONS** to **Bob Densmore (KB3JTY)** and **Louis Weaver (KB3JTX)**.

Suggestions for the *Pres Schuler Award*

Award were solicited. If you wish to suggest an LVARC member for this award, please contact one of the BOG (listed on the cover page)

Ed Romig (KD3NH - SK) was the 2002 recipient of this award.

The *Pres Schuler Award* is given annually by the LVARC to one of its members for service to the club. The recipient is recommended by a majority of the LVARC members.





TRUE OR FALSE?

In a life or property threatening emergency, a ham may operate OUTSIDE the amateur bands, if he/she thinks doing it will bring help faster ? (see page 20)

Did You Know ????

To begin a distress call, SOS is used on CW and MAYDAY is used on voice modes. **MAYDAY is from the French *m'aidez* which means *help me*.** (From "Now You're Talking," 5th ed. p.4.6)

The remaining information in your distress call should include:

1. Location of the emergency
2. Nature of the distress
3. Type of assistance required
4. Any other information to help locate the emergency area

**Just because you CAN doesn't
always mean you SHOULD!**

Don't forget the *Q&A/Tech Net*
immediately following the Monday Night
ARES/RACES Net on the 135 machine.
This net has met twice and has
been very successful!



TRUE OR FALSE?

TRUE

In a life or property threatening emergency, a ham may operate OUTSIDE the amateur bands, if he/she thinks doing it will bring help faster. (see page 19)

(From "Now You're Talking, 5th ed., p 4.6)

When identifying during a CW QSO, using an automatic keying device, what is the maximum speed allowed by the FCC ?

- A. 15 wpm
- B. 20 wpm
- C. 50 wpm
- D. There is no limit

(answer on page 23)

Source: QRZ.com - Ham Trivia)

WHAT IS FIELD DAY ?

A once a year contest sponsored by the ARRL where hams go to remote sites and operate for 24 hours. Used to assist hams in emergency preparedness as well and to practice not sleeping, treating insect and other vermin bites and the drinking of cold coffee and the ever present telling of lies. Great fun for all! (thanks to WD5CTQ) (from QRZ.com)



60-METER OPERATION TO REQUIRE OPERATOR PRUDENCE, CAUTION

When the five channels of the new 60-meter amateur allocation become available later this year, Amateur Radio operators will have to learn some new operating habits and adopt some new on-the-air attitudes. The limited spectrum and stringent bandwidth requirements will mean amateurs will have to demonstrate their best behavior and operating skills if the Amateur Service ever hopes to get an actual band segment at 60 meters.



"In terms of Amateur Radio spectrum, we usually say, 'Use it or lose it,'" said ARRL CEO David Sumner, K1ZZ. "The watchword for 60-meter operators should be, 'Misuse it and lose it.'"

The channelized scheme--similar to the 5-MHz experimental operation under way in the United Kingdom<<http://www.rsgb-hfc.org.uk/5mhz.htm>>--puts unfamiliar technical compliance demands on US hams who have, until now, not had to worry much about frequency stability or transmitted audio bandwidth. The FCC has granted amateurs 5332, 5348, 5368, 5373, and 5405 kHz--the last channel common to the UK experimental operation's band plan. These are all "channel center frequencies," the National Telecommunications and Information Administration (NTIA) said in a March 13 letter to FCC Office of Engineering and Technology (OET) Chief Edmond J. Thomas. The NTIA, which administers federal government spectrum, opposed allocation of an actual ham band citing the ongoing spectrum requirements of federal licensees with homeland security responsibilities. The channels will be available to General and higher class licensees.

The NTIA says that hams planning to operate on 60 meters "must assure that their signal is transmitted on the channel center frequency." In general, the NTIA has advised, users should set their carrier frequency 1.5 kHz lower than the channel center frequency. According to the NTIA:

Channel Center	Amateur Tuning Frequency
5332 kHz	5330.5 kHz
5348 kHz	5346.5 kHz
5368 kHz	5366.5 kHz
5373 kHz	5371.5 kHz
5405 kHz (common US/UK)	5403.5 kHz



ARRL Technical Relations Manager Paul Rinaldo, W4RI, says the assignment of these channels implies that amateurs now must adhere to certain frequency tolerances for their use. While the international Radio Regulations don't list these for the Amateur Service, he notes, they do stipulate tolerances on the order of 20 to 50 Hz for other services.

"We haven't been told anything specific about frequency tolerances for these channels but would probably annoy federal regulators if we strayed any more than 50 Hz from the assigned carrier frequencies," Rinaldo cautioned.

Keeping one's audio within the 2.8-kHz wide channel to comply with the 2K8J3E emission specification is another important issue. ARRL Laboratory Manager Ed Hare, W1RFI, believes prudence calls for not having baseband audio below 200 Hz nor greater than 2800 Hz--for a total bandwidth of 2.6 kHz. "That will probably keep us out of trouble," he said. Noting that the high-frequency response "can vary a lot from radio to radio," however, Hare recommended that amateurs play it conservatively.

Additionally, the FCC has restricted operation to USB only, with a maximum effective radiated power (ERP) of 50 W. The USB-only requirement stemmed from NTIA interoperability concerns. The NTIA wanted to make sure that federal users could copy and, if necessary, identify any amateur station using one of the 60-meter channels. As a result, the 60-meter frequencies will become the only ones available to the general amateur community that do not permit CW operation.

For the sake of this particular grant, the FCC said it would consider a half-wave dipole to have a gain of 0 dBd. In its letter to the FCC, the NTIA stipulated that radiated power should not exceed "the equivalent of 50 W PEP transmitter output power into an antenna with a gain of 0 dBd."

"Although this is less spectrum than the American Radio Relay League petition requested, this is the best we can do pending a definition of Homeland Security HF requirements," concluded Fredrick R. Wentland in the NTIA's letter to the FCC's OET.

Sumner has predicted that, over time, amateurs can and will "develop a record of disciplined, responsible use of the five channels in the public interest that will justify another look at these rather severe initial restrictions."

Just when amateurs will get their first crack at 60 meters is not yet clear. The changes to Part 97 go into effect 30 days after publication of the Report and Order (R&O) in The Federal Register, which has not yet happened. Publication could take anywhere from a few weeks to a few months. ARRL will announce a specific date as soon as it's known.

The FCC Report and Order in ET Docket 02-98 is available on the FCC's Web site <http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-105A1.doc>



When identifying during a CW QSO, using an automatic keying device, what is the maximum speed allowed by the FCC ?

- A. 15 wpm
☒ * B. 20 wpm
 C. 50 wpm
 D. There is no limit

(see page 20)

**LVARC
NEEDS
PROGRAM
DIRECTOR**






**IF INTERESTED,
CONTACT
MARK OR PAUL**

Think You Need a High Power Station ?

Check out the survey below conducted by the ARRL

Poll date: April 11, 2003

What is the highest power you can run on any band?

5 W or less		5.3 % (194)
6 to 100 W		50.2 % (1828)
101-500 W		14.7 % (536)
501-1500 W		27.4 % (999)
I do not have a transmitter at this time		2.3 % (84)

Total votes: 3641



Not Exactly A *Stealth* Antenna, but

Spring and Summer lend themselves to all kinds of ham projects. Below is Larry's (NR3R) new beam. Not exactly a stealth antenna but is rather small. Larry successfully eluded the rain and erected his Cushcraft MA5B "mini" beam. The turning radius is only 8 feet and the total antenna weight is 26 pounds. It turns easily with a TV rotator. Larry plans to pump 800 watts into this novel antenna. Rumor has it that he is working toward his DXCC and has only about 20 countries to go!!!! That should be easy now! GOOD LUCK with the new antenna.



Cushcraft's
MA5B

owned by
NR3R





Field Day Press Release

de AK3M

*Below, is the press release which was developed
to publicize Field Day, 2003.*

Field Day Press Release

Lehigh Valley Amateur Radio Club (W3OI)

On Saturday June 28 and Sunday 29, 2003, the Lehigh Valley Amateur Radio Club (W3OI) will be participating in the national Field Day event. This event is held each June for all licensed amateur radio operators.

The purpose of this event is to simulate emergency operating conditions. Radios will be powered by non-commercial power sources (generators). Antennas must also not be permanent and will be erected and dismantled before and after the event. **Radio operators will attempt to contact as many hams as they can using both voice and Morse code making this an annual emergency communications drill.**

Amateur radio operators provided essential communications following the September 11 event. Many hams from the Lehigh Valley volunteered to go to New York City to ensure that emergency communications remained functional.

Field Day will be held at Camp Serranova in Seisholtzville, PA. (six miles South from Mack Truck Macungie and two miles from Bear Creek, formally Doe. Mt. Ski Area). The equipment set up will begin approximately 12:00 noon on Saturday June 28 and the stations will continue throughout the night and conclude about 12:00 Sunday June 29.

The public and media are welcome to come and see what amateur radio is all about! There is no fee and visitors can even operate under the supervision of a ham in attendance! Brochures about the LVARC and amateur radio will be available at the Field Day site.

Visit the Lehigh Valley Amateur Radio Club's web site at <http://www.w3oi.org> and read the June issue of the newsletter for directions to the Field Day site.

For additional information about Field Day or amateur radio in general, contact Mark S. Miller (AK3M) at AK3M@rcn.com.

*** This press release was sent to the following dignitaries and media ***

Pat Toomey (Congressman 15th District- PA) www.house.gov/writerep/
Channel 69 (WFMZ) webmaster@wfmz.com
John Conklin infoema@lehighcounty.org
Morning Call lindaconnell@mcall.com
WAEB craigstevens@cleachannel.com
N3ULR WGPB and WLVR (Lehigh Univ)



**LVARC Now Has
Link on
QRZ.COM**

The Lehigh Valley
Amateur Radio
Club's web site
now has a link on

QRZ.COM's web site.

Get Help

[Write Article](#)
[All Databases](#)
[Name Search](#)
[New Hams](#)
[FCC Reports](#)
[Ham Census](#)
[Old Callsigns](#)
[Expired Callsigns](#)
[License Renewals](#)
[License Updates](#)
[Vanity Calls](#)
[DX Cluster](#)
[QSL Corner](#)
[Ham Speak](#)
[APRS Resources](#)
[Ham Clubs](#)
[Industry Links](#)
[Solar Report](#)
[Aircraft Callsigns](#)
[Ham Trivia](#)
[Hot Link to QRZ](#)

1. Go to **<http://www.qrz.com>**
2. Look on the **left column** and select ***Ham Clubs***
3. **Select PA**
4. **Scroll**
down to **Lehigh Valley Amateur Radio Club** and click to link to the LVARC web site.

This will give the LVARC additional exposure !

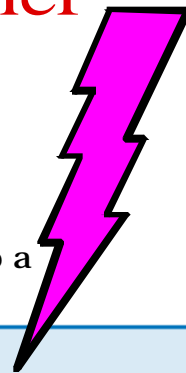
Choose a State or District									
AK	AL	AR	AZ	CA	CO	CT	DE	FL	GA
HI	IA	ID	IL	IN	KS	KY	LA	MA	MD
ME	MI	MN	MO	MS	MT	NC	ND	NE	NH
NJ	NM	NV	NY	OH	OK	OR	PA	PR	RI
SC	SD	TN	TX	UT	VA	VI	VT	WA	WI
WV	WY	International		DX/Contest		QRP		Slow Scan	
Organizations					Other Amateur Radio Pages				



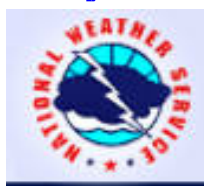
Summer Brings Severe Weather

Are you ready for summer's severe weather? Do you know the vocabulary related to severe weather? Do you know how/where to find weather reports?

Go to: <http://www.stormready.noaa.gov/> for additional WX information including definition of terms and how to respond to a severe WX alert.



- **HURRICANE/TROPICAL STORM WATCH:** Hurricane/tropical storm conditions are possible in the specified area of the **Watch**, usually within 36 hours. During a **Watch**, prepare your home and review your plan for evacuation in case a Hurricane/Tropical Storm **Warning** is issued.
- **HURRICANE/TROPICAL STORM WARNING:** Hurricane/tropical storm conditions are expected in the specified area of the **Warning**, usually within 24 hours. Complete storm preparations and leave the threatened area if directed by local officials.
- **SHORT TERM WATCHES AND WARNINGS:** These warnings provide detailed information on specific hurricane threats, such as floods and tornadoes.
- **FLOOD WATCH:** This product informs the public and cooperating agencies of *possible* flooding. If you are in a **Watch** area, check flood action plans, keep informed and be ready to act if a warning is issued or you see flooding.
- **FLOOD/FLASH FLOOD WARNING:** A flood/flash flood **Warning** is issued for specific communities, streams or areas where flooding is imminent or in progress. Persons in the warning area should take precautions IMMEDIATELY!



**Atlantic hurricane season
starts June 1 and ends
November 30.**





The annual LVARC picnic will be held at Bruce Bobo's (KB3FIH) house on Friday July 4th, 2003.

Listen to the Monday Night Net for details !!



NEW MEMBERS and GUESTS at the LVARC

The LVARC is pleased to accept the applications for membership from Lou Weaver KB3JTX and Bob Densmore KB3JTY

Guests in attendance at the June meeting were, Joe Sirotnak (WF2O) and Daniel Sirotnak Also in attendance was charter LVARC member, Henry Mohr W3NCX). The June, 2003 meeting showed a record attendance with 27 members and guests present.



Leonard Oldt (W3HP) was recognized as a Silent Key. Leonard has been a long time member of the Lehigh Valley Amateur Radio Club.



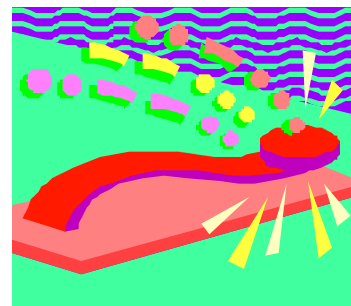
Lehigh Valley Amateur Radio Club Adopts an LVARC/Emergency Simplex Frequency!

At the June 3, 2003 meeting, the members of the LVARC discussed the possibility of adopting a simplex frequency in case of a "dual repeater" failure as well as a frequency for events such as Fox Hunts and community activities. **The frequency agreed upon is 147.420.** Program your radios now!!!

FOX HUNT --- The LVARC will hold its first Spring Fox Hunt on Friday July 11. Listen to the RACES/ARES Net for details.



The topic of a CW study group arose again at the June meeting. If you are interested in being in charge of the group, make your thoughts known.





The new five-channel 60-meter domestic secondary amateur allocation becomes available to US Amateur Radio operators at midnight local time on July 3. The FCC Report and Order granting the allocation was published June 3 in the Federal Register. Federal government users are primary in the 5 MHz band.

The FCC has granted amateurs use of five 2.8 kHz-wide channels with center frequencies of 5332,

5348, 5368, 5373 and 5405 kHz. The channels

will be available to General and higher

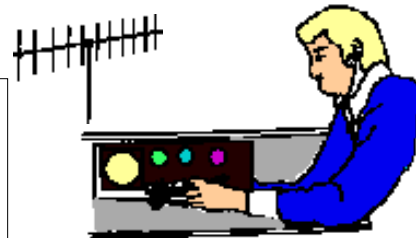
class licensees. The only permitted mode will be upper-sideband USB phone, and 50 W ERP is the maximum power allowed.

**LATE
BREAKING
NEWS**

Users of the 60-meter channels should set their carrier frequency 1.5 kHz lower than the channel center frequency. ARRL suggests restricting transmitted audio bandwidth to 200 Hz on the low end and 2800 Hz on the high end for a total bandwidth of 2.6 kHz. ARRL recommends that amateurs considering modifying existing amateur equipment for operation on 60 meters contact the equipment's manufacturer for advice.



From:
ARRL Bulletin 38 ARLB038
From ARRL Headquarters
Newington CT June 3, 2003





Lehigh Valley Amateur Radio Club (W3OI) Meeting Minutes

(continued from page 6)

New Business

1. Rod KB3HFZ will provide a fox for a club fox hunt on July 11. The hunt will start at 1900. Rod will also provide some tips and hints to fox hunting at field day. Complete details on the fox hunt will be made public as they become available.
2. VE team reports that they tested two in May, and both passed technician. The new calls are Lou KB3JTX, and Bob KB3JTY. Congratulations to both the new hams.
3. Robin KB3GZV and Dorian KB3GZW have been working on a design for a club patch. They circulated a draft copy of the patch and received many good comments. Some discussion followed with very positive feedback. A Motion was called by Bruce KB3FIH to move forward with the patch. Chris N3RPV made a second on the motion and all members were in favor. The motion carried.
4. President Miller inquired about an annual club picnic. Bruce KB3FIH offered his annual July 4 picnic for all the members of the club to attend. The annual club picnic will be at Bruce's house on July 4.
5. The annual fishing trip has been tentatively scheduled for Saturday, August 2. **(CHANGED to July 26)**
6. President Miller informed the club of the CC&R Bill, HR 1478 that is being sponsored and if passed will make federal legislation to make it easier for Licensed Amateur Radio Operators to erect antennas and antenna structures. There are form letters available, please write your congressman.
7. President Miller would like club members to think about the Fred Schuler award. Consider now, suggest in September for presentation in October.
8. Robin KB3GZV has inquired into a designated club simplex 2-meter frequency. Jeff N3MFT suggested the use of 147.420. This is the channel designated by the Red Cross for ARES use. The club thought this to be a good idea, and Paul will put this information on the web site.

(continued on page 32)



(continued from page 31)

New members/Guests

The club welcomed the following guests:

Joe Sirotnak WF2O and Daniel Sirotnak

The club welcomed the following new members:

Lou Weaver KB3JTX and Bob Densmore KB3JTY.

One other new member, Bob Wiseman AA4RW was not in attendance.

Motion to accept new members by: Barry KB3FMI

Second by: Greg KB3CKD

In favor: ALL

Opposed: NONE

The LVARC Monthly Business Meeting Closed at 2050 hrs, EST.

Motion by: Barry KB3FMI

Second by: Chris N3RPV -- In favor: ALL --- Opposed: NONE

Nightly Program: Pizza before the meeting and field day discussion after the meeting.

Respectfully Submitted de KB3HFZ, Secretary.

Again, I wish to thank all the members of the LVARC for their support on our continued progress. Lately, our membership has increased as has our attendance at meetings. Our ARRL VE test sessions have been very successful!! We have had candidates for testing every month since we began the program. Those taking the exam have joined the club.



Again, I wish to thank **YOU, the members** for support and ideas which is making YOUR club grow !!!!!