

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
JUNE 2014

W3OK

CORRAL

**Club Meeting June 5th, 7:30PM At the
Bethlehem Township Community Center**

JUNE MEETING PROGRAM

**Bob Famiglio / K3RF
ARRL Volunteer Counsel**



**Barry / KU3X
"BEYOND THE DIPOLE"**

MINUTES FROM THE MAY MEETING



The general membership meeting of the Delaware Lehigh Amateur Radio Club inc. was held at the Bethlehem Township Community Center on May 1st, 2014.

Call to Order: Jay Mason / N3OW, President, called the meeting to order at 1934 hrs.

Pledge of Allegiance: Led by Jay / N3OW

Member Happenings: Al / W3CE, Bob / KE3AW, Dave / N3EYT, Chris / N3ULW and Doreen / K3PDL participated in a Science Fest at Bushkill Elementary School on Sunday, April 27. The afternoon was chilly with our outdoor location behind the school. Several students did talk with a past school board member (KC3AVX) on 2 meters. Al / W3CE made contact with a station in Puerto Rico. Along with students, we were visited by some Boy Scouts and Cub Scouts. Carl / AA3IX reported that John Greenage / WX3C became a silent key on April 11, 2014.

Approval of the Minutes: John/NT3P was not present at the meeting and approval of the minutes was postponed.

Approval of the Treasurer's Report: Mike / KB3LOD presented the Treasurer's Report.

Motion: It was moved by Bob / KB3ULG, second by Blair / K3YD, to approve the Treasurer's Report. **Motion carried.**

Club Station Report: Dave / NB3R reported that he, John / NJ3I and Barry / KU3X put the 15 meter dipole back up. We also added ten meters to the 160-40 meter antenna, so we now have three antennas that work on 10 meters. The Beverage receiving antenna is also up with a length of about 800 feet.

Field Day: Stephanie / WX3K reports that we are having Field Day this year! The dates are June 28-29. She said she is hopeful that everyone who operates CW will show up.

Club Repeater: Barry / KU3X said there had been some noise issue in the Miller Heights (Freemansburg Ave) area. He worked with Barry / N3NVA to try and determine the problem. Testing is ongoing. There also appears to be a problem with the voter at the Savercool Ave. site.

Website Report: Jay / N3OW asked if there are any issues with the website; no issues were reported.

Trip to ARRL Headquarters: Doreen / K3PDL reported on the planned trip to ARRL Headquarters on June 9th. The current plan is to car pool leaving at 7:00 AM from the William Penn Highway Park & Ride. A sign-up list was passed around and anyone interested in going should contact Doreen.

Picnic Chair: Jay / N3OW asked anyone interested in chairing the Club's annual picnic to see him or any board member. Al / W3CE added that he would appreciate someone chairing the picnic this year because the picnic will be right around the time he may be getting a knee replacement. The pavilion has already been reserved, but we do need someone to help coordinate the event.

Membership Report: George / N3SQD reported there are a number of new members due to their successful completion of the recent amateur radio classes. The new members are: Marty Lynn, Bethlehem; Deborah Martin, Bangor; Wade Lynch, Easton; Ray Highstand, Broadheadsville and Rick Barrow / K3IW (former club member), Christiansburg, VA.

Motion: moved and seconded to accept the new members. **Motion carried.**

VE Sessions: George / N3SQD reported that since May is an odd-number month, the next VE session is scheduled for May 2nd. There will also be a VE session held during Field Day. The July VE session would fall on July 4th. This will likely be rescheduled for the following week, July 11th.

Visitors: The following visitors were recognized: Carl / KB3YBC; Jim / KE3NE; Wayne / W3EA and Joe / K3NM. Bill / K3ANS specially acknowledge the presence of K3NM and W3EA, world class contest operators. Look for them in contest results in CQ and QST magazines; you will always see them at the top.

Nearby Zoning Issue: Ben / KB3CTX commented on the Chester County (Tredyffrin or Schuylkill townships) zoning battle with Jeff / WN3A who wants to put up a 180' tower on his property on Valley Forge Mountain. The Amateur Radio Antenna Application is being opposed by the county. Hearings are being conducted, and will probably continue for a while. Jeff / WN3A is being represented by Bob / K3RF, ARRL volunteer counsel, who will be the speaker at the June 5th DLARC meeting.

Inventory: Our equipment insurance premium is coming due. We need to inventory the club's equipment. We can do this on Wednesday evenings when a group usually meets at the club station. It was noted by Al / W3CE that the D-Star repeater is owned by the county.

Adjournment: There being no further business before the Club, Jay / N3OW adjourned the meeting for the evening's presentation, "Beyond the Dipole" by Barry / KU3X. The meeting was adjourned at 2005 hrs.

Respectfully submitted by David / N3EYT, Secretary pro tem

JUNE CONTESTING AT THE OK CORRAL

- June 7 & 8 – VK Shires Contest
 - Seanet Contest
- June 14 & 15 – GACW WWSA CW DX Contest
 - REF DDFM 6m Contest
- June 21 & 22 – All Asian DX Contest - CW
 - AGCW VHF / UHF Contest
- June 28 & 29 – ARRL Field Day



VE TEST SESSION

There will not be a test session this month. The next session will be on July 11th at 7 PM at the Northampton County 911 Center. Pretest registration is required. Contact George / N3SQD at george@bioserv.com or Al / W3CE at w3ce@arrl.net.

JUNE QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2 QCWA Net 8:30 PM	3 D-Star Mid – Atlantic 7:30 PM	4 DLARC Net (K3PDL)	5 DL ARC MEETING 7:30 PM	6 NO VE SESSION	
8	9 QCWA Net 8:30 PM	10 D-Star Mid – Atlantic 7:30 PM	11 DLARC Net (KB3WYJ)	12	13	14
15	16 QCWA Net 8:30 PM	17 D-Star Mid – Atlantic 7:30 PM	18 DLARC Net (NB3R)	19 DLARC BOARD MEETING	20	21
22	23 QCWA Net 8:30 PM	24 D-Star Mid – Atlantic 7:30 PM	25 DLARC Net (W3CE)	26	27	28 2014 FIELD DAY
29 2014 FIELD DAY	30 QCWA Net 8:30 PM					

MAY PROGRAM REPORT

The May program welcomed Barry / KU3X, who is the DLARC's resident antenna guru, the person to see for any antenna problems or questions.

Barry began with the basic dipole giving the calculating formulas and how they were derived using free space as the basis, and the necessary adjustments to allow for real calculations. How the height above ground also affected the signal. After using these example, he explained how other wire antennas were designed using these basic concepts and the various factors affected the resulting signals.

Some of the antennas covered were the Delta Loop, Trap Dipoles, Multi-Band Single Feed Dipoles, Sloopers and Off Center Fed Dipoles. Also included were variations of the same antennas. With each antenna, Barry presented radiation pattern diagrams and other different modifications that can be made to adopt an antenna to your individual preference. The location of the feed-point was the most notable modification could be made. He also covered baluns explaining what values and locations would be required in order to get your best output signal.

Barry finished with a question and answer session, and a final thought on his favorite antenna, the G5RV.

NEW MEMBERS

The DLARC is continuing to grow, so be sure to greet our new members, shake their hands, and give them a warm welcome to our club. The newest members are Wade Lynch / KC3CSW, Raymond Hiestand / KC3CSX, Deborah Martin / KC3CSY, Martin Lynn / KC3CSZ. And Rick Barrow / K3IW

MONTHLY BRAIN TEASER

"A special prize awaits the first Club Member to submit the correct answer to this month's Brainteaser to the Pete / NL7XM, *only*, at nl7xm@arrl.net The winner must be present at the next Meeting to receive it, or it goes unrewarded. Officers, Board members, Newsletter staff, and Brain Teaser Authors are not eligible to win."

de Pete / NL7XM

MAY BRAINTEASER ANSWER

The sum is 8. the integers are 2, 2 and 4

The winner is Mark / W2MB

JUNE BRAINTEASER

At least 8 words in English contain 5 "E"s. Five of them are common, and none are medical terminology. Can you list at least 4?



FIELD DAY 2014

ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. Each year over 35,000 amateurs gather with their clubs, friends or simply by themselves to operate.

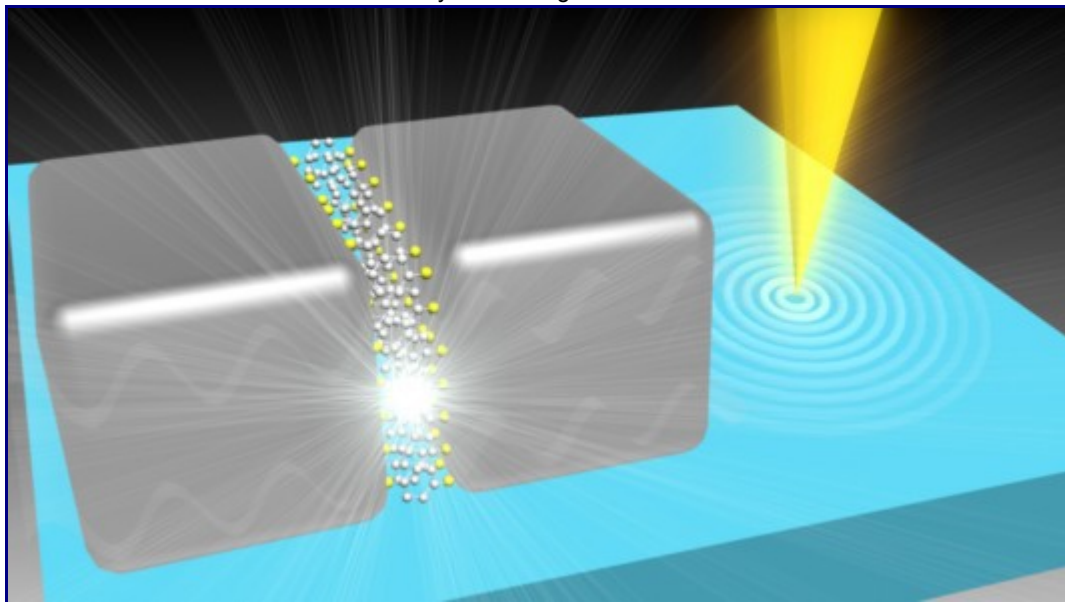
ARRL Field Day is not a fully adjudicated contest, which explains much of its popularity. It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, most groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to local elected community leaders, key individuals with the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The 2014 Field Day will be held on the week end of June 28th and 29th At the Louise Moore Park in Bethlehem Township. The DLARC will be located in Pavilion #5 which is located on the east side of Country Club Road. The same location as last years picnic.

Stephanie / WX3K is chairman of this event and will be looking for volunteers to help with all phases of the event. A sign-up sheet will be at both the May and June meeting for signing up. Help is needed with setting up, tearing down and also putting together the food and drink. Contact her at WX3K@arrl.net.

NANOELECTRONIC CIRCUITS REACH SPEEDS OF 245 THZ

By Dario Borghino



A focused electron beam (in yellow) was used to characterize the structures and to probe the optical properties of two plasmonic resonators bridged by a layer of molecules (Image: Tan Shu Fen/NUS)

Researchers at the National University of Singapore (NUS) have designed and manufactured circuits that can reach speeds of up to 245 THz, tens of thousands of times faster than contemporary microprocessors. The results open up possible new design routes for plasmonic-electronics, that combine nano-electronics with the fast operating speed of optics.

When light interacts with some metals, it can be captured in the form of collective, extremely fast oscillations of electrons called *plasmons*. If harnessed, the interaction of photons and electrons could be used to build ultra-fast computers (among other things). But these phenomena occur at a scale so small that we don't yet have the tools to investigate them, let alone harness them.

Assistant Professor Christian A. Nijhuis and his team have now found a way to harness quantum-plasmonic effects even with the current generation of electronics, using a process called "quantum plasmonic tunneling."

The team built a molecular-scale circuit consisting of two plasmonic resonators (structures that can convert photons into plasmons) separated by a single layer of molecules only 0.5 nanometers in size.

Using electron microscopy, Nijhuis and colleagues saw that the layer of molecules allowed the quantum plasmonic tunneling effects to take place, allowing the circuit to operate at frequencies of up to 24 THz. What's more, the frequency of the circuit could be adjusted by changing the material of the molecular layer.

This marks the first time that scientists have observed the quantum plasmonic tunneling effects directly, and is a convincing demonstration that molecular electronics can indeed handle speeds that are miles beyond that of contemporary electronics.

Future applications include plasmonic-electronics hybrids that combine nanoelectronics with the fast operating speed of optics, and single-molecule photon detectors. The researchers will now focus their efforts on trying to integrate these devices into actual electronic circuits.

The results were published in the latest issue of the journal Science

de Bill / NC3P

MORE THAN 300 AMATEUR RADIO VOLUNTEERS SUPPORT 2014 BOSTON MARATHON

ARRL 04/23/2014



On a beautiful New England spring day, yet under an umbrella of heightened security, more than 300 Amateur Radio volunteers provided communication support on April 21 for the 118th running of the Boston Marathon — a 26.2-mile race from Hopkinton to Boston, Massachusetts. In a show of solidarity following last year's tragic bombings close to the finish line, a near record numbers of runners — upward of 36,000 — turned out for the Patriot's Day event along with a huge outpouring of spectators. The Boston Marathon is a major public service event for the region's Amateur Radio volunteers.

"We received a fantastic showing of volunteer support across the start, course, and finish line from the Amateur Radio community in the wake of the 2013 bombings," said Steve Schwarm, W3EVE, Boston Marathon Course Coordinator. The level of ham radio support for the 2014

event demonstrated that "Boston Strong" remains a rallying cry in the wake of last year's tragedy, he said.

Amateur Radio communication support became critical in the aftermath of the 2013 Boston Marathon bombings, when conventional telecommunications systems, such as cellular telephone, quickly became overloaded and confusion reigned.

The Minuteman Repeater Association coordinates Marathon Amateur Radio Communication, with assistance from the Framingham Amateur Radio Association, the Mohawk Amateur Radio Club, and the Montachusett Amateur Radio Association. The race is sponsored by the Boston Athletic Association (BAA).

Amateur Radio had a stronger presence this year at the Massachusetts Emergency Management Agency (MEMA) State Emergency Operations Center (SEOC), where a multi-agency coordination center was set up for the race. The SEOC worked closely with the Boston Marathon Amateur Net Control Center, the BAA Operations Center at Boston Public Library, and the Red Cross Disaster Operations Center in Cambridge.

ARRL Eastern Massachusetts ARES Section Emergency Coordinator Rob Macedo, KD1CY, has served in various capacities over the years as part of the Boston Marathon ham radio contingent. "This year, I was at the SEOC multi-agency coordination center with MEMA Region 1 Communications Officer Terry Stader, KA8SCP, where we provided assistance for the Amateur Radio operation and situational awareness and an alternate communication path to the marathon for MEMA Headquarters," he said.

Schwarm said that one unsung hero of the Boston Marathon Amateur Radio Communications Team is Bob DeMattia, K1IW, whom he called "the mastermind behind an elaborate net control setup" just off the race route with a line-of-sight shot to Boston. "Through a combiner and utilization of various frequencies across 2 meters, 1.25 meters, and 70 centimeters, up to 10 Amateur Radio setups were provided at the net control location with multiple antenna configurations," Schwarm explained. "Bob has done this set-up work for many years."

This year one of the 2 meter repeaters for the race course operation went down less than 24 hours before the start of the Boston Marathon. "Bob responded to the situation...and had the repeater back in operation just as the marathon was starting," Schwarm said. Schwarm also expressed his appreciation to his assistant, Jim Palmer, KB1KQW, for his support as an assistant course coordinator, as well as to Paul Topolski, W1SEX, who handled finish-line operations, and to Kevin Paetzold, K1KWP for supporting starting-line operations. Paetzold echoed Schwarm's praise of DeMattia. "It is immense; it has been happening for many years and seems mostly invisible," he said.

Paetzold said there were four ham radio teams — 34 volunteers in all — at the starting line. His primary assistant, Dave Wolfe, KG1H, oversaw the South Street parking operation, while Jonathan Allen, K2KKH, was responsible for the Hopkinton State Park parking operation, while Pi Pugh, K1RV, handled the Athlete's Village operation — jobs both have handled for many years.

Topolski said hams anticipated security issues, but none arose. "Nobody had a hassle," he told ARRL. A new twist this year was that the operation went from the separate command trailers used in past races to an indoor command center. "I think the operations center is a definite plus, and I think we're going to go with that in the future," he said.

All public safety agencies were represented in the command center, and the net control received any ambulance calls — about 70, in part owing to warmer weather this year, Topolski said. This year Amateur Radio volunteers relayed ambulance requests to the state EOC using a commercial UHF digital radio system, and hams spoke directly with MEMA dispatchers. Hams on the course were issued UHF digital radios to request police, fire, and EMS. "It was an additional resource," he said. "That worked out well." Macedo said Amateur Radio operators very quickly had to learn the new UHF commercial system.

At the height of the Marathon, Macedo said, the finish line medical tents were near 80 percent capacity. Amateur Radio also backed up the commercial network for ambulance requests, he said, and volunteers continued to handle logistical supply and medical bus transports via Amateur Radio.

Topolski said ham radio came in handy after the Boston Fire Department was called to Boylston Street in downtown Boston following a report of a possible natural gas leak. "At almost the same time, one of the hams on the street was smelling natural gas coming from a manhole," he said. "The fire department was looking in one place, while the ham down the street was actually at the site of the leak."

All marathon operations secured by about 8 PM, as the last course first aid and finish-line operations closed down.

ARRL CALL FOR TIMELY, VISIBLE FCC AMATEUR RADIO ENFORCEMENT

04/01/2014

In comments filed in response to the FCC's February 14 *Report on Process Reform*, the ARRL has called for a more visible, responsive Amateur Radio enforcement program. The League also said it was concerned that FCC policies for adjudicating certain complaints of interference to radio amateurs, especially those involving electric utilities, provide no incentive for the utilities to resolve them. The ARRL was further critical of the fact that FCC petitions for rule making and spectrum allocation proceedings often take years to resolve. But the League confined the bulk of its comments to perceived shortcomings in the Amateur Radio enforcement program.

"The visibility of the Commission's enforcement program for the Amateur Service is wholly inadequate, resulting in a widespread, albeit inaccurate, public perception that there is no active enforcement in our service," the League's comments said. The ARRL said "deterrence based on visibility is a critical component of a successful compliance campaign."

The most successful — and visible — period of Amateur Radio enforcement in recent years was between 1997 and 2008, the ARRL asserted. Compliance during that period, the League said, was a result of "the visibility in the Amateur Radio community of a single member of the Commission's Enforcement Bureau staff at Amateur Radio events" and of keeping the Amateur Radio media fully informed on what was being done to resolve a particular enforcement issue.

FCC-imposed constraints in more recent years have had "a devastating effect on the entire philosophy of the program and its success," the League told the Commission. Among other factors, the ARRL pointed to the "extensive approvals" required before the release of enforcement correspondence. Enforcement actions that *are* taken, the League continued, are not released to the Amateur Radio media. "This deprives radio amateurs of the knowledge that the Commission is indeed investigating and responding to a given enforcement problem," the ARRL said. "The result is the perception that nothing is being done in a given case, and frustration builds rapidly among the radio amateurs who have to endure the rule violator on an ongoing basis."

"Limitations imposed on the visibility of enforcement actions in recent years have significantly reduced the effectiveness of the program," the ARRL stressed, and "directly resulted in notable and unacceptable increases in rule violations, most especially malicious interference." Further, the ARRL said, Enforcement Bureau personnel responsible for Amateur Radio enforcement should be empowered with greater autonomy in addressing problems as they arise.

The League faulted the FCC's websites — old and new — for being "woefully out of date" and not well maintained or presented. "The fact that there are two separate listings of Amateur Radio enforcement actions on two separate FCC website is, frankly, ridiculous in any case," the ARRL concluded.

The ARRL also urged the FCC to make better use of the Amateur Auxiliary — the ARRL Official Observer Program — in resolving enforcement complaints. "It is unclear why none of the evidence gathered by OOs is usable other than as a predictor for Commission District Office staff to use in investigating the matter themselves — if and when their time permits," the League said. "The program is authorized by legislation. It would increase the Commission's efficiency if the work of these volunteers were put to a better use."

The ARRL pointed to cases where chronic rule violators who were the subject of hundreds of hours of OO surveillance and off-the-air recordings have "been allowed to continue those activities for periods of years without more than a warning letter."

The League said the *Report* "makes good recommendations" in addressing years-long delays in resolving rule making petitions and open-docket proceedings. As an example it cited the League's 2012 **Petition for Rulemaking** seeking a new Amateur Radio allocation at 472-479 kHz. "To date, a year and a half after it was filed, this *Petition for Rule Making* has not been afforded a file number, nor has public comment been solicited on it," the ARRL said.

In a Public notice its *Report* "seeks to further the goal of having the agency operate in the most effective, efficient and transparent way possible." The League said it was not being critical of any individual FCC staffers or managers. "Rather, the remarks are directed at the Commission's policies and processes" and address issues that "result, in large part, from the unenviable necessity of allocating scarce (and in some cases inadequate) human resources available to the Commission."

REDNERS' SUPERMARKETS SAVE-A-TAPE PROGRAM

Here's how it works:

Redner's has a terrific program to support the Club **AT NO COST TO THEM**, if our members simply sign up for a Gas Card that records their shopping points, and give their cash register receipts to, **Pete / NL7XM**, He'll do the rest.

Note: This does not affect your gas points in any way.

HELP THE ENVIRONMENT

Donate your old, empty printer ink cartridges to the Club for recycling. Any brand, model, size or shape; color or black. Please bring them to the meeting in a leak proof ziplock type baggie and give them to Pete / NL7XM. This simple act can help your Club by reducing recurring expenses, and make you feel a lot better about our environment.

WEBSITE OF THE MONTH

For Campers and other outdoors men

www.youtube.com/watch?v=NeXf6xJJ2fw

NOTICE NOTICE NOTICE

We are enjoying our superior new meeting quarters, but for that reason, it is also a very popular venue for many other groups. To reduce congestion as other scheduled activities end and folks try to exit, we have been politely asked to refrain from entering the lobby before 7:15. Your strict consideration is appreciated. With the nicer weather, a pre-meeting get together can be had in the pavilions near the parking lot area.

CHEATING AT THE GAS PUMPS (PRINT OUT YOUR RECEIPTS!!!)

This is true. It happened three weeks ago somewhere in Pomona on our way to Pechanga. The pump should have totaled \$68.00 (and change). When the receipt was printed, she checked and it was \$77.00 (and change). She got mad, went inside the store, asked for a calculator and let them do the math. They refunded her. She told them that if they cheat, they had better be prepared to make it right. Normally, her husband would skip printing the receipt. Not her. Plus, we no longer balk at large totals because the per gallon price is so much higher than it used to be. We saw on the news the other night that this is happening everywhere.

Brian pumped exactly one gallon of gas. The price did not match the cost of one gallon. It was higher. He went inside, complained, and got a refund. The fact that the clerks inside don't hesitate, says a lot too. There is also a number on each pump that you can call to complain specifically about that pump or that station.

This is a true story, so read it carefully. I stopped at a BP gas station in GA. My truck's gas gauge was on 1/4 of a tank. I use the mid-grade, which was priced at \$3.71 per gallon. When my tank is at this point, it takes somewhere around 14 gallons to fill it up. When the pump showed 14 gallons had been pumped, I began to slow it down. Then, to my surprise, it went to 15, then 16. I even looked under my truck to see if it was being spilled. It was not. Then it showed 17 gallons on the pump. It stopped at 18+ gallons. This was very strange to me, since my truck has only an 18 gallon tank. I went on my way a little confused, then on the evening news I heard a report that 1 out of 4 gas stations had calibrated their pumps to show more gas had been pumped than a person actually got.

Here is how to check a pump to see if you are getting the right amount: Whichever grade you are using, put EXACTLY 10 GALLONS in your tank, then look at the dollar amount. If the dollar amount is not EXACTLY 10 times the price of the fuel you have chosen, then the pump is rigged. In my case, as I said, the mid-grade was \$3.71 9/10 per gallon; my dollar amount for 10 gallons should have been \$37.19. I wish I had checked the pump. It doesn't matter where you pump gas, please check the 10 gallon price. If you do find a station that is cheating, contact the state Agriculture Department, and direct your comments to the Commissioner; the info is on every gas pump

U.S.COAST GUARD, LIBERIAN TANKER AND PANAMANIAN HAM OPERATOR RESCUE 3 FROM SINKING SAILBOAT

John / N7UR

Three people were plucked from a sinking sailboat in the waters 50 miles south of Balboa, Panama on Monday, thanks to the combined efforts of the United States Coast Guard, a Liberian tanker, and a Panamanian amateur radio operator.

Following a fire on board, the 42 ft sailing vessel Even Star, under way from California in route to Panama, began taking on water Saturday. The boats pumps were unable to curtail the incoming sea waters.

At 4:15 AM Sunday morning the U.S. Coast Guard 11th District Rescue Coordination Center in Alameda, California detected a distress signal from a 406 MHz Emergency Position Indicating Radio Beacon (EPIRB) which was registered to the Even Star.

A check by Coast Guard personnel revealed that the tanker MT / Glenda Meryl was approximately 30 miles away from the sinking vessel. With the help of an amateur radio operator in Panama, the Coast Guard was able to guide the 600 ft Liberian flagged tanker to the area of the sailboat.

The Glenda Meryl is a 47,250 DWT oil and chemical tanker is co-owned by the Italian firms of D'Amico International Shipping and Glencore. She is a participating ship in the Coast Guard's Automatic Mutual Assistance Vessel Rescue (AMVER) program.

The tanker arrived at 5:23 PM. The ships Master, Captain Singh deployed a lifeboat and rescue party, who safely recovered the Even Star sailors, who were now adrift in a raft. All three were U.S. citizens. They were transported to Balboa, Panama where they were met by Panamanian officials.

The ham radio operator credited with assisting with communications and coordination of rescue efforts has not been identified, but is reported to be a member of the Panamanian Air Force.

The Glenda Meryl has received an award from the Coast Guard for a previous rescue.

HELPFUL HINTS

The simplest way to slice a bunch of cherry tomatoes is to sandwich them between two plastic lids and run a long knife through all of them at once!

Keep brown sugar soft by storing with a couple of marshmallows

Mark keys with nail polish Far cheaper than having colored keys specially cut!

Install a regular coat rack low down the wall to store shoes safely off the floor

F.Y.I.

The July Program will be "CROWN JEWEL" - DLARC Club House Showcase – Dave / NB3R

The D.L.A.R.C. meets the "FIRST" Thursday of each month. Membership, friends and interested persons meet at the Bethlehem Township Community Center, 2900 Farmersville Road, Bethlehem, Pa. 18020) at 7:30 PM. Committee reports and announcements of all present and future activities will be presented at that time. Followed by that month's program.

The EASTERN PENNSYLVANIA District 2 ARES Net meets every Wednesday at 1930 hours local time. (Just after the DLARC Net) On 147.255 (pl 162.2). And linked to 449.375 on Blue Mountain, 443.350 in Allentown and 147.180 in Berks County.

QCWA Chapter 17 holds a net Monday evenings at 8:30 PM on 3960 +/- depending on conditions.

Mid-Atlantic D-Star Net meets each Tuesday at 7:30 PM. The following repeaters Dstar repeaters are available in the Lehigh Valley. W3OK -145.11000MHz -0.600 Port C – W3OI -147.16500MHz +0.600 Port C, – W3OI - 445.02500MHz -5.000 Port B All repeaters on the net are linked through **Reflector 020 port A**, so all stations checking into the net should make sure that they have *their local repeater call sign followed by the letter "G" in the eight position of the RPT2 field*. Otherwise, you will only be heard locally and not over the Reflector. Dongle users wishing to check into the net should Log On by connecting directly to Reflector 20, port A, rather than through your local repeater in order to conserve local bandwidth.

The OK Corral is an organization publication for the purpose of informing members of the D.L.A.R.C. of educational and training opportunities, club events, relevant news articles and a monthly calendar of daily activities, meetings and dates.

The Clubhouse telephone number is 484-895-7038.

**EXECUTIVE COMMITTEE 2012 – 2013
OFFICERS**

President – Jay Mason / N3OW ----- president@dlarc.org
Vice President – Dave Blankenship / N3EYT ----- vicepresident@dlarc.org
Secretary – John Barbaz / NT3P ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

Dick Schaeffer / KB3ALG ----- c1902s@rcn.com
Ron Hontz / K3BKT ----- k3bkt@rcn.com
Dave Mellman / KA3IWC ----- dbm073@gmail.com
Stephanie Koles / WX3K ----- wx3k@ptd.net
Charlie / Lazarchak / W3OPA ----- w3opa@snycomp.com
Steve Harper / KB3WYJ ----- sharper3152@gmail.com

**PHONE NUMBERS FOR THE EXECUTIVE COMMITTEE OF THE DLARC
CAN BE FOUND ON THE WEBSITE / MEMBERSHIP LISTING
CLUB MEETINGS**

All regular meetings of the D.L.A.R.C. Are held on the first Thursday of each month at 7:30 PM at the Bethlehem Township Community Center
TALK IN ON 146.700 (PL 151.4)

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

**The W3OK Corral is published monthly and is the Official Publication of the
DELAWARE LEHIGH AMATEUR RADIO CLUB INC.
14 Gracedale Avenue
Nazareth, Pa. 18064-9211**

ARES, RACES AND DLARC NET

All Radio Amateurs are welcome to participate in the ARES, RACES and DLARC net. This net meets Wednesday at 1900 hours local time, on the W3OK Repeater 51.76, 146.70 and 444.90 (pl 151.4). With an alternate frequency of 147.370 (167.9) W3OI Repeater.

THE NEWSLETTER STAFF

Editor – Don Holmes / KC3II ----- editor@dlarc.org
Web Master – Brad Snyder / W3JXQ ----- w3jxq@dlarc.org
Photographer – Brad Snyder / W3JXQ ----- w3jxq@dlarc.org
Circulation – Paul Morrison / N3YNT ----- n3ynt@aol.com