

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

MAY 2014



W3OK

CORRAL

**Club Meeting May 1st, 7:30PM At the
Bethlehem Township Community Center**

MAY MEETING PROGRAM

“ Beyond The Dipole”

Barry / KU3X



“D-Star Systems Today”

AI / W3CE

MINUTES FROM THE APRIL MEETING



The general membership meeting of the Delaware-Lehigh Amateur Radio Club Inc. (the Club) was held on April 3, 2014, at the Bethlehem Township Community Center located in Bethlehem Township, Pennsylvania.

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

Pledge of Allegiance: Led by Jay / N3OW

Member Happenings: Doreen / K3PDL along with Dave / N3EYT and Bob / KE3AW participated in a science night at Bushkill Elementary School. A number of people were interested and overall it was a good evening.

Jay / N3OW reported that W1AW/3, ARRL's Centennial Station, has been operating since Tuesday night and the station has worked about 19,000 QSOs from Pennsylvania stations.

Bob / NE2C reported that Bob / KC2FU is in the hospital and passed around a get-well card for members to sign.

Approval of the Minutes: John / NT3P advised there was a typographic error in the licensing classes item in the last months minutes and asked if there were any additional errors, additions or corrections to the minutes as they appeared in the last newsletter. Hearing none, Jay / N3OW asked for a motion to approve the minutes of the last meeting as corrected.

Motion: It was moved by Doug / KB3NOW, second by Dennis / KC3AOM to approve the minutes with the correction. **Motion carried.**

Approval of the Treasurer's Report: Mike / K B3LOD presented the Treasurer's Report.

Motion: It was moved by Bob / KB3ULG, second by George / N3SQD, to approve the Treasurer's Report. **Motion carried.**

Club Station Report: Jay / N3OW advised that the club station is generally open weekly on Wednesday nights.

Club Repeater: Jay / N3OW asked if there are any issues with the repeater; no issues were reported.

Website Report: Jay / N3OW asked if there are any issues with the website; no issues were reported. There was one issue with the e-mail reflector shutting down an account due to too many bounced messages.

Licensing Classes: Bob / KE3AW reported they are about half way through the spring series of classes. There has been some attrition due to conflict of schedules and the like. Those in the classes are really interested and motivated.

Trip to ARRL Headquarters: Doreen / K3PDL reported on the planned trip to ARRL Headquarters on June 9th. Her original plan was to charter a bus however the bus company has backed-out for the June 9th date. 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.

Pittsburgh Bald Eagle Nest: Ray / W3TDF related his experiences viewing an internet live feed from a webcam on the bald eagles nest near Pittsburgh. Three eggs were laid in February and Ray actually watched the last egg hatch yesterday. Ray recommended finding the website by searching for "pix controller and bald eagle." In addition to the live feed from the webcam, the website has lots of interesting information about eagles.

Interesting QSL Cards: Pete / NL7XM shared two QSL cards from his collection. The first was a W2OIH card to a W8 station for a contact on 4:50 AM on December 7, 1941. The second was a W9QJR card postmarked Wheeler Field, Pearl Harbor from September 1941.

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.

Membership Report: George / N3SQD reported there are four applications for membership this month. John Sweigart / KK4SHF, Dale Weisman / KC3BNP, Thomas Hahn / KC3BPR and Peggy Moser / KC3BNQ. Jay / N3OW asked for a motion to accept the members.

Motion: It was moved by Mark / W2MB, second by Jon / NJ3I, to accept the new members. **Motion carried.**

Adjournment: There being no further business before the Club, Jay / N3OW adjourned the meeting for the evening's presentation on D-Star by Al / W3CE.

The meeting was adjourned at 1955 hrs.

Respectfully submitted by John / NT3P, Secretary

VE TEST SESSION

There will be a test session this month on May 2nd 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

Silent Key

The D.L.A.R.C. Wishes to honor and to express its sadness at the passing of a club member or former club member.

John Greenage / WX3C

MAY QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 DL ARC MEETING 7:30 PM	2 VE SESSION 7:00 PM	3
4	5 QCWA Net 8:30 PM	6 D-Star Mid – Atlantic 7:30 PM	7 DLARC Net (W3CE)	8	9	10
11	12 QCWA Net 8:30 PM	13 D-Star Mid – Atlantic 7:30 PM	14 DLARC Net (KC3II)	15 2014 Dayton Hamvention	16 2014 Dayton Hamvention	17 2014 Dayton Hamvention
18	19 QCWA Net 8:30 PM	20 D-Star Mid – Atlantic 7:30 PM	21 DLARC Net (N3SQD)	22 DLARC BOARD MEETING	23	24
25	26  <i>Memorial Day</i>	27 D-Star Mid – Atlantic 7:30 PM	28 DLARC Net (KB3CTX)	29	30	31

MAY CONTESTING AT THE OK CORRAL

MAY 3 & 4 – 10-19 Int. Sprint Contest – CW
 – ARI International DX Contest
 May 10 & 11 – Volta WW RTTY Contest
 – Fists Spring Sprint
 May 17 & 18 – EU PSK DX Contest
 – His Maj. King of Spain Contest - CW
 May 24 & 25 – CQ WW WPX Contest - CW
 – Baltic Contest



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 John Sweigart / KK4SHF, Dale Weisman / KC3BNP, Thomas Hahn / KC3BPR and Peggy Moser / KC3BNQ.

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 21st and 22nd. 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 / WX3KI is chairman of this event and will be looking for volunteers to help with all phases of the event. A 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.

ARRL HEADQUARTERS VISIT

Doreen / K3PDL has set up a visit to ARRL Headquarters, for Monday June 9th June 9th. It will be a car pooling trip. There will be a sign up sheet at the may meeting for those who are intere3sted.

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



APRIL BRAINTEASER ANSWER

118

The winner is Bob / KE3AW



MAY BRAINTEASER

If 16 can be the product of three integers, each greater than 1, What is the sum of these three integers?

ANTENNA ITEMS FOR SALE

You may have heard that one of my towers, a 105 foot Rohn 45, with several yagis crashed during a hurricane a few years ago. Several huge oak trees fell in unison on the end of one guy wire, snapping the steel bar used as an anchor lock at the opposing end. I sold much of the remaining good antennas, tower sections, anchors, and parts to another contester.

Currently, I am dismantling the remaining scrap to salvage hardware and usable aluminum. Is anyone interested? Some comes from the Telerex 40M329, three element 40 meter yagi with 29 foot boom. The elements were 66 feet long. More comes from two Hygain 205CAs. If not, I will take it to local scrap yard and sell the aluminum by weight.

I also want to sell a complete and functioning Hygain 155CA and home brew 6 element 10 meter yagi made from Wilson parts on a 30 foot boom. They both play very well. They are now mounted on another 80 foot Rohn 45 tower, which is presently laid over for sale.

I have disassembled on the ground Hygain 204BA, 155BA, and 105BA; KLM KT-34XA; and Lightning Bolt 5 band, three element quad. I am in the process of sorting and grouping the parts. They functioned well years ago.

I have several Hygain Ham II rotators and one Hygain Tail twister, which worked fine.

I sold all of my prop pitch rotators. I still have spare electric motors for sale at \$150 each.

I sold one chrome moly steel 23 foot 1/2 inch thick wall, 2" OD mast to an FRC member. I still have one left for sale, which is holding the 155CA and 10 meter yagi. I have the two Rohn thrust bearings for sale too.

I have around 20 sections of Rohn 45 for sale. It is in good shape, with little rust.

I have the Rohn 45 fold over system for sale. I bought it years ago from N2SR, but never erected it. It would go well with the Rohn 45 tower sections.

I have a Rohn 25 top plate for sale. It would hold guy wires and a rotator.

The 155CA and 10 meter yagi are mounted on a Rohn 45 tower. It has two base plates, which are for sale.

I have many Rohn guy turnbuckles and equalizing plates for sale.

I have many ground rods made from copper plated steel rods and from steel alloy bars.

I have a used Hygain HDX 52 foot self-supporting tower on the ground, for sale. One section was bent by a logger using his tractor. It could be straightened. The other sections are good. It has surface rust, which can be wire brushed off.

I have many RF choke baluns, Beverage antenna transformers, ferrite chokes, coax connectors, coax switches, miscellaneous hardware, etc. I also have an Ameritron electronic remote antenna switch for sale. It had little use. I had built a 4 element sloping 75 meter dipole array which I intended to steer with the remote switch. That was just before the hurricane, when I quit contesting and DXing.

I have massive guy anchors for sale, which were used by Army helicopters to lift trucks and tanks. They are far stronger than Rohn guy anchors.

I have more stuff, but the above is on the top of the pile and list.

Any serious ham buyer will walk around and pick out more gear for sale. My intention is to sell everything and clear the property for another project, not related to ham radio. I want to plow it and plant crops to feed deer and wildlife.

73, Bill / K3ANS

Home telephone: 610-258-5063 Cell telephone: 484-241-6176 CPA office telephone: 610-253-2745

E-mail: WGoodman@GoodmanCPA.com

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.

D-STAR SYSTEMS TODAY

April's meeting program was presented by AI / W3CE. **D-STAR (Digital Smart Technologies for Amateur Radio)** is an FDMA and GMSK digital voice and data protocol specification developed in the late 1990s as the result of research by the Japan Amateur radio league to investigate digital technologies for amateur Radio. While there are many other+++ newer digital on-air technologies being used by amateurs that have come from other services, D-STAR is one of the first on-air and packet-based standards to be widely deployed and sold by a major radio manufacturer that is designed specifically for amateur service use.

AI presented a slide show with diagrams depicting the system and how it operated, with the various components necessary for the operation a D-Star system. He included how the DLARC was operating a repeater which could correct to a gateway which will allow communications with other gateways around the world. AI reported that our local gateway was in New Jersey and allowed connections with stations in New York, New Jersey and Pennsylvania. AI also reported how he worked repeaters in California.

AI had examples of the equipment he used to make these contacts. Plus a list of the various rigs available on the market, with some of the prices. He also announced that Northampton County have purchased two D-Star repeaters which have been installed in the milk house (club Station), and are presently being set up for operation.

AI finished up with a question and answer session. There being questions from the audience.

THE CHICKEN GUN

Sometimes it does take a rocket scientist! Scientists at NASA built a gun specifically to launch standard 4 pound dead chickens at the windshields of airliners, military jets and the space shuttle, all traveling at maximum velocity. The idea is to simulate the frequent incidents of collisions with airborne fowl to test the strength of the windshields.

British engineers heard about the gun and were eager to test it on the windshields of their new high speed trains.

Arrangements were made, and a gun was sent to the British engineers.

WHEN THE GUN WAS FIRED, THE ENGINEERS STOOD SHOCKED AS THE CHICKEN HURLED OUT OF THE BARREL, CRASHED INTO THE SHATTERPROOF SHIELD, SMASHED IT TO SMITHEREENS, BLASTED THROUGH THE CONTROL CONSOLE, SNAPPED THE ENGINEER'S BACK-REST IN TWO, AND EMBEDDED ITSELF IN THE BACK WALL OF THE CABIN, LIKE AN ARROW SHOT FROM A BOW. THE HORRIFIED BRITS SENT NASA THE DISASTROUS RESULTS OF THE EXPERIMENT, ALONG WITH THE DESIGNS OF THE WINDSHIELD AND BEGGED THE U.S SCIENTISTS FOR SUGGESTIONS. NASA RESPONDED WITH A ONE-LINE MEMO -- "**DEFROST THE CHICKEN.**"

AMATEUR RADIO CREDITED IN RESCUE OF WAYWARD HIKERS

Authorities in Kern County, California, say Amateur Radio was responsible for the rescue of five adult hikers, who became lost in San Emigdio Canyon. The group had left Pine Mountain Club on the morning of Saturday, March 22, hiking to a vehicle parked near Highway 166 when they went astray.

"They had hand-held radios with them and called an Amateur Radio operator in Pine Mountain Club to report [they were] lost," a Kern County Sheriff's Department summary said. "Air-1 quickly located the lost hikers in a dry creek bed, approximately 12 miles south of Highway 166, and a ground unit transported them to their vehicle." The sheriff's office said the hikers, who had plenty of food and water, "were extremely exhausted, but did not require medical aid."

In the hiking party were Cliff Brunk, K8BUW, and his wife Judith, KG6BXM. According Don Quick, KW6PMC, who knows the couple, Cliff Brunk — who was carrying a hand-held transceiver — fell and struck his head. While not seriously injured, he was in pain. At that point, the group decided to return home, but then realized they were lost and outside of cell phone range. Using his radio, Brunk was able to reach Bill Hopper, AB6CF, via the Pine Mountain repeater, Quick said. The injured ham reported the hiking party's predicament but couldn't provide details regarding their location. Another member of the party was able to pass along the group's location, however, and Hopper called 911.

The Kern County Sheriff's Department dispatched a helicopter, which was able to locate the hiking party, but the nearest landing site was too far away for the rescue party to communicate with the hikers. A sheriff's deputy drove into the canyon near the spot where the hikers were stranded, and they walked to his patrol car. The weary hikers got back to their homes late that evening. — Thanks to Donald Quick, KW6PMC, and the Kern County Sheriff's Department

WEDNESDAY NIGHT NETS

Additional Net Controls are needed for the Wednesday Night ARES, RACES & DLARC net. If we have enough interested operators, it will only be necessary for each operator to have only one net session in each three month period. Actually 13 weeks in a period, so 13 net controls would be ideal, and maybe some extras to fill in if needed. This would give us a pool of experienced controls, for any emergency which would arise. Interested operators should contact Don / KC3II at kc3ii@arrl.net. The NIMS IS-700 and ICS-100 courses are not required to be a net control, but should the need arise and we do supply controls and operators for real emergencies, then the courses requirement will be in effect and EMA issued IDs will be needed to be on the scene of an emergency.

HEART ATTACKS AND WATER !

How many folks do you know who say they don't want to drink anything before going to bed because they'll have to get up during the night.

Heart Attack and Water - I never knew all of this ! Interesting.....

Something else I didn't know ... I asked my Doctor why people need to urinate so much at night time. Answer from my Cardiac Doctor - Gravity holds water in the lower... part of your body when you are upright (legs swell). When you lie down and the lower body (legs and etc.) seeks level with the kidneys, it is then that the kidneys remove the water because it is easier. This then ties in with the last statement!

I knew you need your minimum water to help flush the toxins out of your body, but this was news to me. Correct time to drink water...

Very Important. From A Cardiac Specialist!

Drinking water at a certain time maximizes its effectiveness on the body

2 glasses of water after waking up - helps activate internal organs

1 glass of water 30 minutes before a meal - helps digestion

1 glass of water before taking a bath - helps lower blood pressure

1 glass of water before going to bed - avoids stroke or heart attack

I can also add to this... My Physician told me that water at bed time will also help prevent night time leg cramps. Your leg muscles are seeking hydration when they cramp and wake you up with a Charlie Horse.

Mayo Clinic Aspirin Dr. Virend Somers, is a Cardiologist from the Mayo Clinic, who is lead author of the report in the July 29, 2008 issue of the Journal of the American College of Cardiology.

Most heart attacks occur in the day, generally between 6 A.M. and noon. Having one during the night, when the heart should be most at rest, means that something unusual happened. Somers and his colleagues have been working for a decade to show that sleep apnea is to blame.

1. If you take an aspirin or a baby aspirin once a day, take it at night.

The reason: Aspirin has a 24-hour "half-life"; therefore, if most heart attacks happen in the wee hours of the morning, the Aspirin would be strongest in your system.

2. FYI, Aspirin lasts a really long time in your medicine chest, for years, (when it gets old, it smells like vinegar).

Please read on...

Something that we can do to help ourselves - nice to know. Bayer is making crystal aspirin to dissolve instantly on the tongue. They work much faster than the tablets. Why keep Aspirin by your bedside? It's about Heart Attacks.

There are other symptoms of a heart attack, besides the pain on the left arm. One must also be aware of an intense pain on the chin, as well as nausea and lots of sweating; however, these symptoms may also occur less frequently.

Note: There may be NO pain in the chest during a heart attack.

The majority of people (about 60%) who had a heart attack during their sleep did not wake up. However, if it occurs, the chest pain may wake you up from your deep sleep.

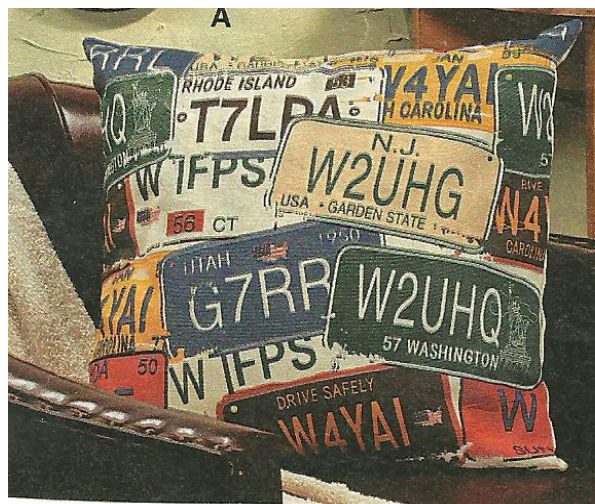
If that happens, immediately dissolve two aspirins in your mouth and swallow them with a bit of water.

Afterwards: - Call 911. - Phone a neighbor or a family member who lives very close by.- Say "heart attack!" - Say that you have taken 2 Aspirins.

Take a seat on a chair or sofa near the front door, and wait for their arrival and ...DO NOT LIE DOWN!

"Life is a one time gift."

PETE'S HAM RADIO THROW PILLOW



F.Y.I.

The April prize winners were Ben / KB3CTX, Pete / K3PM, Gabe / KZ2A, Barb / W3ATC and Dennis / KC3AOM

The June Program will be Bob Famiglio / K3RF, ARRL Volunteer Counsel

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