

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

NOVEMBER 2018



W3OK

CORRAL

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

NOVEMBER MEETING PROGRAM

“The K3LR Superstation Story”

Tim Duffy / K3LR

The vote is in and here is the executive committee for 2019

**President --- Stephanie Koles / WX3K
Vice president — Bill Connelly / W3MJ
Secretary – Jo Ann Schaffer / ND3JJ
Treasurer – Mike Gower / KB3LOD**

Board of Directors

**Gabe Lantos / KZ2A
Dean Guth / AB3BD
Lester Morrow / W3LES
Steve Harper / W3NAM
John Barbaz / NT3P
Charles (Skip) Paulsen / W1PV**

Be ready to assist them in the continuing growth of the DLARC



OCTOBER MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on October 4, 2018 at the Bethlehem Township Community Center, Bethlehem, PA.

President, Steve Harper, W3NAM, called the meeting to order at 7:30 P.M.

President's Report:

We have been notified of the passing of Al Neupauer, W3IKQ, who has graciously requested that all of his radio equipment be given to DLARC. The proceeds from the sale of this equipment will go to the Club Treasury. There will have more information once we have the equipment in hand.

Mike Gower has set up a PayPal account for the Club so that members can pay their dues online. There will soon be a link on our website to the PayPal account for this purpose.

Secretary's Report:

JoAnn Schaffer, ND3JJ, announced that the Minutes for the Month Year General Meeting were emailed to the membership on September 26, 2018. A motion to accept the Minutes was made by Bill Connelly, W3JM. It was seconded, and so moved.

Treasurer's Report:

Mike Gower, KB3LOD, gave his report. A motion to accept the Treasurer's Report was made by Mark Bond, W2MB. It was seconded, and so moved.

Committee Reports:

Club Station: Al Wiemann, W3CE, announced that on Oct. 20th he will be hosting Boy Scouts who wish to participate in the BSA's Jamboree on the Air. He asked for volunteers to assist the scouts, who will be at the Club Station between 9 a.m. and 2 p.m.

Web Site: Webmaster, Rich Hurd, has been contacted by members concerned about website security after noticing odd users trying to get into our system. Rich explained that they are either spambots that think getting into our website will help them generate email addresses, or curious people trying to sign up on our website. Rich gets an alert each time someone wants to gain access to our website. Even if they manage to create a log in and password, no one can do anything on the website unless Rich elevates them to active status. They are classified as a registered user but they must FIRST be recorded as a member of the club to gain access to all aspects to the website.

Bill Goodman, K3ANS, mentioned that some people want to know how to connect to the DLARC reflector. That information should be added to the website.

Mark Bond, K2MB, asked if it would be expensive to give our website a more modern look. Rich explained that he is more a web administrator than webmaster, and that he does not have that capability. He will reach out to our hosting provider, POW WEB, to see what they have available. Because of the age of our website program, migrating its contents would be a huge challenge.

Membership: Two applications were received: Robert W. Smith, KA3LEL; Mark Bond moved that he be accepted for membership. It was seconded and so moved. Eric Lipscomb, W3LJC; Carl Seier, AA3IX moved that he be accepted for membership. It was seconded and so moved.

Programs Evelyn Uhler, W3DOY, passed around a clipboard for members who might have suggestions for a next year's programs.

ELECTION RESULTS:

President – Stephanie Koles, WX3K

Vice President – Bill Connelly, W3MJ

Secretary – JoAnn Schaffer, ND3JJ

Treasurer – Mike Gower, KB3LOD

Board members: Gabe Lantos, KZ2A, Dean Guth, AB3BD, Lester Morrow, W3LES, John Barbaz, NT3P, Charles "Skip" Paulsen, W1PV and Past President, Steve Harper, W3NAM

New Business:

Steve Harper explained to members the reason for the Board's decision for raising Club Dues. Regular members dues will go from \$17 to \$20 and retiree dues will go from \$12 to \$15. Bob Oppen, NE2C, moved that the dues be increased as recommended by the Board. It was seconded and so moved.

Les Morrow, W3LES, announced that in order to raise additional money, we will sell some Club equipment that has been replaced. He is preparing a list of the equipment, which will be posted at the Club Station. Ideally, they will be of interest to new hams who are looking for a good deal on their first radio. Les will test the items to insure that they are in good working condition. They will then be on display at the Club Station. Those interested will submit a sealed bid.

Minimum bids will be set for each item. If two bids for an item are the same, we will ask for a second bid. Bill Connelly, W3JM, moved that we sell the equipment by sealed bid; it was seconded and so moved.

Terry Swinney, KC3JHT, announced the recipients of this year's Certificates of Appreciation.

Adjournment: There being no further business, the Meeting was adjourned at 8:38 p.m.

Minutes submitted by

Secretary, JoAnn Schaffer, ND3JJ

VE TEST SESSION

There will be a test session this month on November 2nd^h at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact John / NT3P at nt3p@arrl.net

NOVEMBER QUICK CHECK CALENDAR

*

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 DLARC Meeting 7:30 PM	2 VE SESSION	3
4 Daylight Savings Ends	5	6 Election Day	7 DLARC Net (K3ACW)	8	9	10
11 Veterans Day	12	13	14 DLARC Net (W3CE)	15	16	17
18	19	20 DLARC BOARD MEETING	1 DLARC Net (KC3II)	22 Thanksgiving	23	24
25	26	27	28 DLARC Net (N3SQD)	29		

NOVEMBER CONTESTING AT THE OK CORRAL



- November 3 & 4 – Ukrainian DX Contest
– ARRL Sweepstakes – CW
- November 10 7 11 – WAE DX Contest – CW
– OK/OM DX Contest – CW
- November 17 & 18 – LZ DX Contest
– ARRL Sweepstakes – SSB
- November 24 7 25 – CQ World Wide DX Contest – CW
– ARRL EME 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 Robert Smith / KA3LEL and Eric Lipscomb / W3LJC.

ARRL FOUNDATION INVITES SCHOLARSHIP APPLICATIONS FOR 2019-2020 ACADEMIC YEAR

The ARRL Foundation will begin accepting scholarship applications on October 1 from eligible radio amateurs planning to pursue post-secondary education in the 2019-2020 academic year. Completed applications must be received by January 31, 2019. Individuals and clubs support many of the more than 80 scholarships, ranging from \$500 to \$5,000, that are awarded annually. Applicants for all scholarships must be active radio amateurs and must complete and submit the online application.

"The ARRL Foundation Board of Directors is honored to be able to continue to offer scholarships to assist Amateur Radio operators in offsetting the costs of higher education," said ARRL Foundation Secretary and ARRL Development Manager Lauren Clarke, KB1YDD. "All ARRL Foundation scholarships are made possible by individuals or clubs, and we are grateful for their support."

Students planning to apply for 2019-2020 academic year awards should first carefully review the eligibility requirements and scholarship descriptions. Although only one application per applicant is required, applicants may ask to be considered for as many of the scholarships for which they are eligible (some scholarships have geographic criteria or other requirements). Check off only the scholarships for which you would like to be considered. In addition to completing the online application, applicants must submit a PDF of their academic transcript from their most recently completed school year (emailed to tofoundation@arrl.org).

Applications are due on January 31, 2019, by 11:59 PM ET. *Applications without accompanying transcripts will not be considered.* Awards winners are typically notified in mid-May by USPS mail and email.

For more information about ARRL Foundation scholarships, email the ARRL Foundation or call (860) 594-0348.

EASTERN STANDARD TIME BEGINS NOVEMBER 5



OCTOBER PROGRAM REPORT

2018 DLARC AWARD WINNERS

Terry / KC3JHT presented the awards to the following members who have given time and effort to the club over the past year. Gabe / KZ2A, Adam K3ACW, Steve / KC3AOE, Barb / W3ATC, Gary / N2AUO, Bob / KE3AW, Maurice / KC3AUX, Dean / AB3BD, Malcom / KD2BDA, Mark / KC3BNV, Al / W3CE, Ben / KB3CTX, Evelyn / W3DOY, Tom / N2DTZ, Dave / N3EYT, Nathan / KC3HCJ, Harold / KC3IEN, Don / KC3II, Dave / KA3IWC, Jerry / KC3JHV, JoAnn / ND3JJ, Stephanie / WX3K, Tom / KC3KCI, Les / W3LES, Mike / KB3LOD, Mark / AK3M, Mark / W2MB, Ken / KB3MDT, Bill / W3MJ, Steve / W3NAM, Barry / N3NVA, Steve / K2OPA, Ed / AA3OU, Jay / N3OW, John / NT3P, Doreen / K3PDL, Pete / K2PM, Skip / W1PV, Don / KK2RP, George / N3SQD, Dennis / N3SXI, Howard / AE3T, Rich / WC3T, Doug / N3WGH, Barry / KU3X, Pete / NL7XM, Paul / N3YNT. Our thanks to all.

CHRISTMAS CITY – WX3MAS 2019

We are looking for some wise men and women to journey from afar and come join us in celebrating the holiday season and the 50th anniversary of the WX3MAS Christmas City Special Event. We will be operating from our club station in Nazareth, PA and sharing Season's Greetings with Amateurs near and far. Watch for sign-up sheets and opportunities to bring food for the two day event to be held on December 15 & 16, 2018. Operating times will be 9 am to 5 pm ET each day. Look for us in the December issue of QST magazine. For more information, contact Dave / N3EYT at N3EYT@ARRL.NET

REFLECTIONS FROM THE PAST FIELD DAY 2009



Doreen / K3PDL

Jay / N0OW

MEMBERSHIP DUES ARE DUE!

It's that time, already! DUES are payable for the calendar year 2019. Here's how easy it is to remit your club DUES and keep your valuable D.L.A.R.C. Membership current. Whether in person or by mail, **CHECKS made payable to the D.L.A.R.C.** are the preferred method of payment to more accurately record your timely renewal. Please ensure that your callsign appears somewhere on the instrument, such as in the memo field. Paying with cash is discouraged, but if you really, *really* have to, kindly make certain you are prepared with the correct sum according to the rate table shown below. Remember, if your DUES are not paid by February 1st, your membership will expire.

2019 DUES Rates

Regular Membership 18-64 years of age:

Jan. - Dec.\$20.-

65 and over, or retired from all forms of employment (no age limit)

Jan. - Dec.\$15.-

Additional Family member
each \$5.-

Associate Individual Membership
\$12.-

You are strongly encouraged to MAIL your DUES so that I may conduct the bulk of the record-keeping duties apart from where I believe you deserve the most of my attention. In person at Club Meetings, I'd prefer to answer your questions, address your concerns, and welcome your thoughtful revenue raising and savings ideas. Therefore, it is firmly advocated that DUES correspondence be mailed to:

Michael J. Gower

1511 Shelbourne Drive

Bethlehem, PA. 18018

As of this year dues may be paid by PayPal.

Enclosing a S.A.S.E will bring your new membership card back to you immediately if you can't attend the next Meeting where they are routinely distributed. You may write to me anytime with questions regarding DUES, or to discuss issues that you believe are my responsibility at: Treasurer@dlarc.org. Include your phone number if you prefer a live reply.

de Mike / KB3LOD, DLARC Treasurer



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



OCTOBER BRAINTEASER ANSWER STOP IMAGINING

The winner is **Barb / W3ATC**

NOVEMBER BRAIN TEASER

If you throw me from the window, I will leave a grieving wife.
Bring me back in the door, and You'll see some one giving life.

What am I?

LIGHTBULB QSO PARTY

Do you have what it takes to be TOP BULB? Announcing the 2019 Lightbulb QSO Party.

March 9th, 2019 20:00 UTC through March 10th, 2019 20:00 UTC

That's right!.....a QSO party where the participants transmit and receive signals on CW, Phone, and digital modes using an antenna where a lightbulb is the main radiating element. TOP BULB honors will be awarded to participants in 5 categories of operation.

HOUSEHOLD – COMMERCIAL/INDUSTRIAL – HOMEBREW – DUMMY LOAD -- FREESTYLE

Skeptical? Check out work that has already been done to prove that a lightbulb-based antenna can be used in QSO's over significant distances at hamsignal.com.

The Objective of the Lightbulb QSO party is to build and use an antenna constructed in a manner so that the lightbulb is the main radiating element and to promote understanding and practical application of antenna matching concepts that allow a lightbulb to be used as a radiator in two way radio communications.

Google "The Lightbulb QSO Party".for more Information



TWO 40-METER BROADCAST INTRUDERS GONE IARU REGION 1 MONITORING SYSTEM REPORTS

The IARU Region 1 Monitoring System (IARUMS) reports that two long-time broadcast intruders on 40 meters are gone. IARUMS Coordinator Wolf Hadel, DK2OM, said in the August IARUMS [newsletter](#) that Radio Hargeisa in the Republic of Somaliland on 7.120 MHz, and Radio Ethiopia on 7.140 MHz, departed the band during the last week of August.

"We did not miss them," he commented.

IARUMS did report increasing military traffic on 7 and 14 MHz, "especially on digital modes from Russia and China." In addition, a wideband over-the-horizon (OTH) radar in China has caused serious problems on 20 meters, while an Iranian radar on 28.860 MHz "could be heard under sporadic E conditions." German telecommunications authorities have filed a formal complaint.

Hadel said a Russian Navy system believed to be in Moscow appeared on 7.182 MHz on F1A, a 200 Hz shift, identifying as RDL. German telecommunications authorities were notified.

Hadel also reported "childish behavior" by hams in western and eastern Ukraine "insulting each other or playing music every day" on 7.055 MHz (LSB). Reports of amateur band intruders can be submitted via the IARU Region 1 Monitoring System [Logger](#).

DUCIE ISLAND VP6D DXPEDITION< OTHER PACIFIC OPERATIONS ON TARGET

The VP6D Ducie Island DXpedition is set to get under way October 20 and continue until November 3. According to Jacky Calvo, ZL3CW, the equipment, already en route, has been [loaded](#) aboard the M/VBraveheart in New Zealand. The Braveheart sets sail for Tahiti in late September, and the team of operators will catch up with the gear in Tahiti to begin their voyage to Ducie Island.

Elsewhere, from September 29 until October 6, Martin Wennergren, A65DC, and friends will operate from Christmas Island as VK9XT. They plan to be on 160 through 10 meters, excluding 60 meters, kicking things off with the CQ World Wide RTTY Contest for the first 48 hours, with SSB and CW on non-contest bands, then CW, SSB, and RTTY on HF, using FT8 "only when no other operation is happening or on bands that are opening or closing," they've said. VK9XT logs will go to LoTW and Club Log.

Stan Vatev, LZ1GC, is heading to Samoa and will be on the air by September 28 as 5W0GC. He'll meet other operators for the YJ0GC operation from Vanuatu, set to begin on October 15. Logs will be uploaded to LoTW. HF operation will concentrate on 160 and 80 meters. [More details](#) are on the 5W0GC/YJ0GC website.

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 emergen

RACES EMERGENCY REQUIREMENTS

As of September 2006, NIMS IS-700 and ICS-100 course certifications are required in order to receive the county issued photo IDs. The photo IDs are required by federal law for participation in, on site RACES emergency operations. These courses can be taken on line by going to www.fema.gov and following the directions. These requirements are not needed to participate in the weekly Wednesday nets. The only requirement for these nets is a valid amateur radio license and an interest in emergency communications.

FLOTSAM AND JETSAM

Arguably the worst sea disaster in history was the torpedoing and destruction of the German ship Wilhelm Gustavo by a Russian submarine in the Baltic Sea in [January 1945](#). The ship had no military value and the outcome of the war was, by then, a foregone conclusion. Nevertheless, 9,343 (mostly women and children) were lost trying to escape to western Germany, an area that was expected to be occupied by the Americans and British rather than the Russians.

The longest running show in the world in the Follies-Berger that began in Paris in 1880. It has been in Las Vegas for well over a half-century and remains one of the most popular.

Planet Earth's worst disaster (in recorded history) was the Krakatoa or Krakatau volcano eruption in what is now Indonesia killing untold thousands and encumbering the World's skies with ash that brought a year without a summer on much of the planet with few or no crops growing. New England had snows in July and August.

The U.S. had no official currency until the early 1861. Prior to that there were gold coins foreign and domestic and currency was issued by banks and called banknotes. Our dollars are still often referred to as banknotes. The new paper money was immediately dubbed greenbacks. The initial one-dollar bills did not have a likeness of George Washington but that of Salmon P. Chase, Lincoln's Secretary of the Treasury. Abraham Lincoln was on the original two-dollar bill.

If the World's six billion people were shrunk to 100 individuals, six would control half the wealth. Two would qualify for Mensa (IQ of 135 or higher), two would be unable to focus (survive) alone, a third (Americans) would be overweight, one would have a college education, several would be recidivists, 80 would live in substandard housing, 70 would be illiterate and 50 malnourished.

ELDERLY BANKING

Shown below, is an actual letter that was sent to a bank by an 82-year-old woman. The bank manager thought it amusing enough to have it published in the New York Times.

Dear Sir:

I am writing to thank you for bouncing my check with which I endeavored to pay my plumber last month. By my calculations, three nanoseconds must have elapsed between his presenting the check and the arrival in my account of the funds needed to honor it. I refer, of course, to the automatic monthly deposit of my entire pension, an arrangement which, I admit, has been in place for only eight years. You are to be commended for seizing that brief window of opportunity, and also for debiting my account \$30 by way of penalty for the inconvenience caused to your bank.

My thankfulness springs from the manner in which this incident has caused me to rethink my errant financial ways. I noticed that whereas I personally answer your telephone calls and letters, --- when I try to contact you, I am confronted by the impersonal, overcharging, pre-recorded, faceless entity which your bank has become. From now on, I, like you, choose only to deal with a flesh-and-blood person. My mortgage and loan repayments will therefore and hereafter no longer be automatic, but will arrive at your bank, by check, addressed personally and confidentially to an employee at your bank whom you must nominate. Be aware that it is an OFFENSE under the Postal Act for any other person to open such an envelope.

Please find attached an Application Contact which I require your chosen employee to complete. I am sorry it runs to eight pages, but in order that I know as much about him or her as your bank knows about me, there is no alternative. Please note that all copies of his or her medical history must be countersigned by a Notary Public, and the mandatory details of his/her financial situation (income, debts, assets and liabilities) must be accompanied by documented proof. In due course, at MY convenience, I will issue your employee with a PIN number which he/she must quote in dealings with me. I regret that it cannot be shorter than 28 digits but, again, I have modeled it on the number of button presses required of me to access my account balance on your phone bank service.

As they say, imitation is the sincerest form of flattery. Let me level the playing field even further.

When you call me, press buttons as follows: **IMMEDIATELY AFTER DIALING, PRESS THE STAR BUTTON FOR ENGLISH**

#1. To make an appointment to see me.

#2. To query a missing payment.

#3. To transfer the call to my living room in case I am there.

#4. To transfer the call to my bedroom in case I am sleeping.

#5. To transfer the call to my toilet in case I am attending to nature.

#6. To transfer the call to my mobile phone if I am not at home.

#7. To leave a message on my computer, a password to access my computer is required. Password will be communicated to you at a later date to that Authorized Contact mentioned earlier.

#8. To return to the main menu and to listen to options 1 through 7 again

#9. To make a general complaint or inquiry. The contact will then be put on hold, pending the attention of my automated answering service.

#10. This is a second reminder to press * for English.

While this may, on occasion, involve a lengthy wait, uplifting music will play for the duration of the call. Regrettably, but again following your example, I must also levy an establishment fee to cover the setting up of this new arrangement.

May I wish you a happy, if ever so slightly less prosperous New Year?

Your Humble Client.

CONICAL WINDOM ANTENNA

N. Tyutin, UA4QA,

The antenna was installed and tested by UA4QA. Despite of the antenna was installed at a small height between the roofs of a two houses, on the 20 meters the antenna did + 2 + 4 balls (at S-Scale) compare to usual one- wire Windom designed for the band. **Figure 1** shows the design of the antenna.

Antenna made of seven lengths in 0.477λ and 3-mm diameter each. The wires were going through two ebonite rings and soldered in the places of the insulators and the connection of the one- wire feeder. (*Note by I.G.: There is no information about placement the rings on the antenna*). Feeder should be athwart to the Antenna for the distance at least $2/3\lambda$ and then should not have sharp bending.

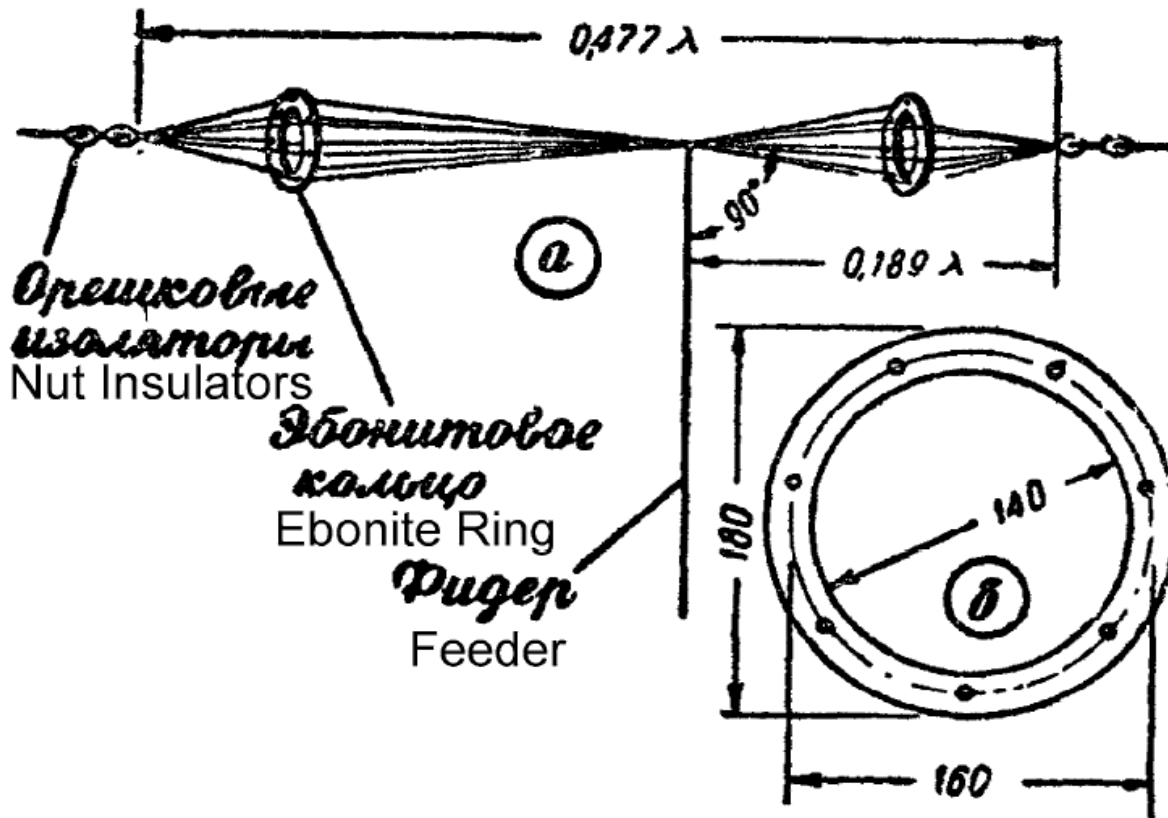


Figure 1

LITTLE JIMMY

Jimmy was having trouble in school. His teacher was always yelling at him, "You're driving me crazy, Jimmy. Can't you learn anything? One day Jimmy's mother came to school to see how he was doing. The teacher told her honestly that her son was simply a disaster, getting very low marks, and that she had never had such an unmotivated and ignorant boy in her entire teaching career. Jimmy's mom, shocked at the feedback, withdrew her son from school and moved out of Detroit, relocating to Cleveland.

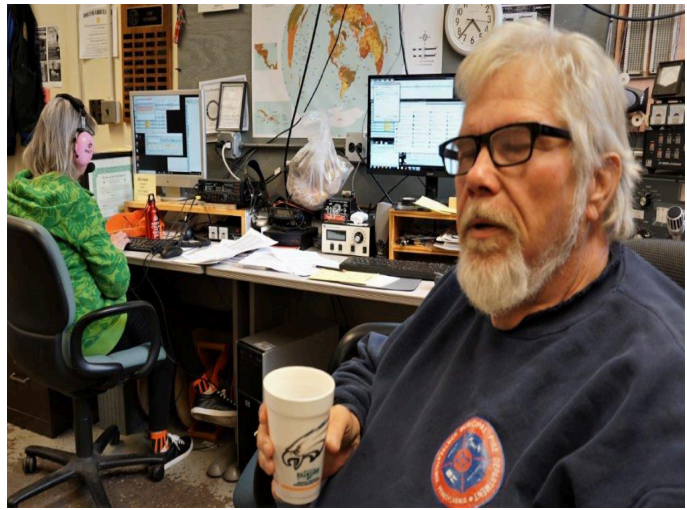
25 years later, the teacher was diagnosed with irreversible cardiac disease. Her doctors all strongly advised her to have open heart surgery, which only one surgeon at the Cleveland Clinic could perform. Left with no other options, the teacher decided to have the operation, which was remarkably successful.

When she opened her eyes after the surgery she saw the handsome young doctor who headed her surgical team smiling down at her. She wanted to thank him, but could not talk. Her face started to turn blue, she raised her hand, trying to tell him something, but quickly died.

The doctor was shocked, wondering what went wrong so suddenly. When the doctor turned around to leave the room, he saw Jimmy, now a janitor at the Clinic, had unplugged the life-support equipment in order to plug in his vacuum cleaner.

And I bet you thought that Jimmy had become the heart-surgeon!

2018 PA QSO PARTY
de Dave / N3EYT



F.Y.I.

The Decemberr Program will be "Annual Christmas Celebration"

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.

NORTHAMPTON COUNTY 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 147.350 (DCS 315) W3OI Repeater.

QCWA Chapter 17 holds a net Monday evenings at 8:30 PM on 3960 +/- depending on conditions. Other inputs are the 146.85 repeater, (151.4 PL) and Echolink at K2PM-R.

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.

EXECUTIVE COMMITTEE 2018 – 2019 OFFICERS

President – Stephanie Koles / WX3K ----- president@dlarc.org
Vice President – Bill Connelly / W3MJ ----- vicepresident@dlarc.org
Secretary – JoAnn Schaffer / ND3JJ ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

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Dean Guth / AB3BD ----- babydean1@hotmail.com
Les Morrow / W3LES ----- lesterf52@gmail.com
Steve Harper / W3NAM ----- sharper3152@gmail.com
John Barbaz / NT3P ----- nt3p@arrl.net
Skip Paulsen / W1PV ----- flathhead@rcn.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)

Club Station Telephone Number – 484 291-1527 Email Address – w3ok146700@gmail.com

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

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