

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

JULY 2018



W3OK

CORRAL

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

JULY MEETING PROGRAM

“ NTS FOR TODAY'S RADIO AMATEUR ”

Don / WK2RP

JUNE PROGRAM



**“EME For The Small Station”
Howard / AE3T and Skip / W1PV**



JUNE MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on June 7, 2018 at the Bethlehem Township Community Center, Bethlehem, PA.

President, Steve Harper, W3NAM, called the meeting to order at 7:36 p.m.

President's Report:

- The Board has authorized Ben Ramig to purchase \$100 of credits for the Club's CallFire account. CallFire will be used to notify members by text if there is an ARES/RACES emergency or if the General Meeting is being cancelled.
- For safety and insurance purposes, Dean Guth, AB3BD, has been appointed Safety Officer for Field Day. Dean has had extensive safety training and is well qualified for the position.
- The Board has approved a budget format. Once the numbers have been entered for 2017, it will be made available to the membership. This will greatly help us prepare a budget for this year and begin to plan for future expenses.
- We have begun the process of setting up a PayPal account for the Club so that members will have the option of renewing their membership on the Club's website.

Members Announcements:

- Al Wiemann, W3CE, announced that he and Barb, W3ACT, have a new granddaughter named Lillian.
- George Wieland, N3SQD, announced that he is holding workshops at the Club station on certain Saturdays, to help members prepare emergency go kits.
- George also said that he will host a picnic for hams at Bicentennial Park in East Allen Township on Sept 9.
- Mark Bond, W2MB, announced that although there have been some setbacks, Bob Oppen's health continues to improve.
- Howard Sherer, AE3T, said that Chris Hornaman is doing much better and is now travelling.
- Bob Green, KE3AW, announced that DLARC will be sit as a group at the Iron Pigs game on June 13.
- John Barbaz, NT3P, reminded members that there will be a VE session at Field Day.
- Bill Murphy, W0RSJ, reminded members that there is a VHF/Microwave contest this weekend. The PackRats will be participating at Camelback Mountain.
- Ed Pitosky, AA3OU, reminded members that there is a sign-up sheet for those who will be bringing food for Field Day/Picnic weekend.

Secretary's Report: JoAnn Schaffer, ND3JJ, announced that the Minutes for the Month Year General Meeting were emailed although I included the names of people who will be helping with food for Field Day and the Annual Picnic, they did not come forward until after the meeting. Therefore, I have amended the Minutes to say that, "There were no volunteers by the conclusion of the meeting." The amended Minutes are here for review if anyone would like to verify the change. A motion to accept the Minutes was made by Dean Guth, AB3BD. 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: Les Morrow, W3LES, said that Al Wiemann has repaired the Club's DStar repeater.

Membership: Committee Co-Chair, Terry Swinney, KC3JHT, announced an application for membership from Richard Miller, KC3LKJ. Mark Bond moved that the Club accept the application. It was seconded and so moved.

Education: Bob Green, KE3AW, said that classed have finished, although there are still some class members who have not yet taken the licensing exam.

Repeater: Barry Kery, KU3X, said that there was a problem with the PL on the 440 side of the Club repeater. If you experience a problem, Barry suggests that you turn off the tone squelch on your radio.

New Business:

Steve Harper stated that in 2005, the Club established an award to recognize a member whose ham radio-related act, deed or service has benefited the community. It was named after Amy Zimmerman, KD3TI, who was a member of this Club and who passed away too early. He announced that he had the honor of presenting the 2018 Amy Zimmerman Humanitarian Award to George Wieland, N3SQD.

"George Wieland, N3SQD, has demonstrated an exceptional commitment to amateur radio and the Lehigh Valley community. Over the years, his generosity of spirit and time have aided many individuals, including those with physical and age-related limitations, in setting up and resolving issues with their stations. In addition, George is the 'go-to' guy whenever the community is faced with an emergency situation."

The award is recognized with a personal plaque and a label for The Amy Zimmerman Award Club plaque.

Adjournment: There being no further business, the Meeting was adjourned at 8:03 p.m.

Minutes Submitted by Secretary JoAnn Schaffer / ND3JJ

VE TEST SESSION

There will be a test session this month on July 6th at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact John / NT3P at nt3p@ar1.net

JULY QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4 4th of JULY	5 DLARC Meeting 7:30 PM	6 VE SESSION	7
8	9	10	11 DLARC Net (W3NAM)	12	13	14
15	16	17	18 DLARC Net (ND3JJ)	19	20	21
22	23	24 DLARC BOARD MEETING	25 DLARC Net (W3CE)	26	27	28
29	30	31				

JULY CONTESTING AT THE OK CORRAL



- July 1 – RSGB 80m Club Championship - CW
- 10-10 International Spirit of 76 QSO Party
- July 7 & 8 – IARU HF World Championship
- July 21 & 22 – DMC RTTY Contest
- CQ World Wide VHF Contest
- July 23 & 24 – RSGB IOTA Contest



NEW MEMBER

The DLARC is continuing to grow, so be sure to greet our new member, shake his hand, and give him a warm welcome to our club. The newest member is Richard Miller / KC3LKJ

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

JUNE BRAIN TEASER ANSWER

“8” -- On its side – infinity Cut in half two – 2 Zeros

The winner is Doreen / K3PDL

JULY BRAIN TEASER

If you have me, You want to share me.

If you share me, you won't have me.

What am I?

WEDNESDAY EVENING DINNER CLUB

Don't forget the Wednesday Evening Dinner Club. Club members get together for dinner prior to heading up to the “Milkhouse” for the weekly gathering. Listen to the Wednesday Net for the following weeks location. Each week is a different location. Also it is posted on the club FORUM. A fun get together!

RESULTS FROM THE MAY TEST SESSIONS

May 4 Test Session

Candidates Who Earned Technician License:

James A. Potter
Michael F. Daitilio
Joseph P. Naldicci, Jr.
Richard F. Miller, Jr

Candidates Who Earned General License:

Scott L. Christ, KC3SLC
Lawrence Butler, KC3JTK
Nathaniel Hubel

Candidates Who Earned Extra License:

Maynard W. Reeves, 3rd, N2UAF

May 15 Test Session

Candidates Who Earned Technician License:

Keith R. Laskowski
Joseph F. Sinkus, 2nd
Sean Campbell
Matthew G. Schnell

Candidates Who Earned General License:

Joseph P. Naldicci, Jr., KC3LKI
Richard F. Miller, Jr., KC3HCJ
Glenn E. Schnell, KC3LBI
Ian Scott Eufe, KC3KOP

Candidates Who Earned Extra License:

None

THE 2018 AMY ZIMMERMAN AWARD WINNER

THE AMY ZIMMERMAN AWARD In the Memory of Amy Zimmerman / KD3TI. The DLARC Executive Committee presents The Amy Zimmerman Award to an amateur radio operator "In Appreciation For Unselfish Services Rendered To Amateur Radio And The Community" The Executive Committee latest choice is George / N3SQD.



President Steve / W3NAM presenting George / N3SQD with the award.

DLARC AT TWO SCHOOL SCIENCE FAIRS THIS SPRING.

In Bethlehem, at the East Hills Elementary School, their Science Fun Night (SFN) was held on April 6th. This was the second year DLARC was invited to join the event and set up demonstration sessions and provide students, teachers and parents with information and experience (if they weren't mike shy) making their first radio transmissions.

We had an HF station with an OCF dipole and a 2-meter station using J-pole antennas as examples of the different uses and abilities of each, and offered anyone willing to work them, under the guidance of our club members. As usual, interest ran the continuum from a short visit to those who were exceptionally fascinated to be talking to people varying distances away from the school... and doing it "over the air" – not on landlines or Internet.

Morse code was introduced to the students by Al / W3CE who demonstrated to students how their name sounded on CW, and Jo Ann / ND3JJ who provided the hard copy "souvenirs" of the Morse Code to the students.

Brochures and conversations with our Club members took place, as always, with older visitors relating their vague awareness of ham radio years ago, and their surprise to learn about, and see the advancements in today's status.

Club members who were involved included: Les / W3LES, David / N3EYT, Jo Ann / ND3JJ, Skip / KD2BDA, Dean / AB3BD, Al / W3CE, Mark / W2MB, Evelyn / W3DOY, Phil / KC3KGC, Steve / W3NAM, Nathan / KC3HCJ, Jerry / KC3HDO, Tom / KC3KGI, and Pete / K2PM. Off site, available for contacts were Ed / AA3OU, Gary / N2AUO, and Adam / K3ACW - and apologies if anyone was missed on that listing. It was a busy evening!

It was reported to us over 200 students and countless teachers and parents attended this year's SFN.

Thanks to all who participated in making this event an enjoyable and educational evening!

de Bob / KE3AW

In Bushkill Township, Nazareth, at the Kenneth N. Butz Elementary School, the Nazareth Area Science Project (NASP) was held on April 21st. The project was founded in 1992 to foster excellence in science education and convey the excitement of science to young people. The Delaware-Lehigh Amateur Radio Club was invited to participate in "Science Fest 2018", along with about a dozen other presenters.

David / N3EYT and Maurice / KC3AVX of the DLARC introduced approximately 15 to 20 elementary students to Amateur Radio from the basketball court outside the school. A draw for the kids was the use of code to "send" the name of the student so they could hear their name in Morse code. To hear their name in this "secret" code was a thrill. Some students were given a small card with the Morse code printed on one side and the club web address printed on the other. Thanks to ND3JJ for printing those cards which were well received earlier in April at the East Hill Science Fun Night as well.

A handheld radio using battery power and a J-pole VHF/UHF antenna were used to establish communication with about six different local 'hams' using the 146.70 repeater. Some students talked over the repeater to participants in the area. The concept of a repeater and coverage area were briefly discussed, as well as radio waves and the speed of light. The event started at noon and was wrapped up by 4:00 pm.

Thanks to all who participated on the air, including: Chuck / KB3RBW; Rich / WC3T; Ed / AA3OU; Dean / AB3BD; Skip / KD2BDA; and Frank / W3WOW.

de David / N3EYT

SPACE STATION DIGITAL AMATEUR TELEVISION SIGNAL NOT BEING SEEN ON THE GROUND

The signal from the digital amateur television (DATV) transmitter aboard the International Space Station (ISS) cannot be detected on the ground, the Amateur Radio on the International Space Station (ARISS) has reported. The unit indicates that it is functioning. So far, ARISS has not been able to pin down the problem.

"A series of steps are currently being undertaken to try to diagnose the problem," a [May 10](#) announcement from ARISS said. "However, if an actual failure occurred, only a ground-based evaluation will fully diagnose the problem. The ARISS International team is working diligently to bring [the system] back to full operation as soon as practical." The DATV system is known variously as "HamVideo" and "HamTV."

ARISS said it has begun coordination with its space agency partners and sponsors to "expeditiously troubleshoot the issue onboard and, if necessary, troubleshoot and repair the device on the ground."

The DATV transmitter has proved to be a valuable educational asset that ISS crew members have enjoyed employing during ARISS school and group contacts. In particular, astronauts Tim Peake, KG5BVI; Paolo Nespoli, IZ0JPA, and Thomas Pesquet, KG5FYG, made routine use of the DATV system to enhance the ham radio contact experience for students and educators.

Ground stations in Australia and Europe have functioned to receive and distribute the Amateur Radio TV signal from the ISS. Ground stations are under development in the US. Several hams in Japan have set up ground stations that have received the DATV signal from the ISS.

Peake inaugurated formal use of the DATV system for a 2016 ARISS school contact with students at a school in Rickmansworth, England. The DATV system, located in the *Columbus* module of the ISS, allowed students at Royal Masonic School to both watch and listen as Peake, operating under the ISS call sign GB1SS, answered their questions about life in space. The one-way DATV downlink took place near 2.4 GHz, while the two-way FM audio component was maintained on 2 meters.

The DATV system was first proposed more than 17 years ago. It was commissioned during a series of tests in 2014.

JUNE PROGRAM REOPORT

A BEGINNER'S GUIDE TO SMALL STATION EME Presentation by Howard / AE3T and Skip / W1PV

Howard and Skip began with a brief background statement. Relating that they each have over 50 years in Amateur Radio, And how and why they got into EME.

Earth-Moon-Earth, EME or Moonbounce propagation is a really challenging, but interesting form of radio propagation for radio amateurs to use. Moonbounce propagation presents a number of significant technical and operating challenges, but in this it provides a real sense of achievement and enjoyment when a contact has been successfully achieved. Using VHF and UHF amateur radio bands, along with relatively high powers, high gain antennas and sensitive receivers, it is not a mode for all, but with today's technology it is a mode that is within the reach of a large number of amateur radio stations with those wanting challenge.

The basis of operation of Moonbounce or EME, Earth-Moon-Earth is the use of the Moon as a passive reflector. In view of the very large distances involved and the fact that the Moon's surface is a poor reflector the path losses are colossal, but nevertheless it is still a form of communication that is theoretically possible to use, and one that many radio amateurs regularly use.

With radio signals being very low, it is found that galactic noise becomes a significant factor. This noise emanates from a variety of sources in the galaxy - planets, stars, etc. emit noise throughout the radio spectrum, and EME systems are very sensitive and will be able to hear this noise. The level of noise is not constant across the sky and this means that some times the sky around the Moon can be very noisy and at other times it can be much quieter.

It is found that sky noise is normally worst when the Moon is crossing the galactic plane (i.e. the Moon appears in the Milky Way) and this occurs twice each month. Fortunately software used for amateur radio EME Moonbounce indicates this and this helps choose the optimum times for any activity. To overcome the losses and enable amateur radio communications to be established using Moonbounce, very high radio transmitter powers, directive antennas and very sensitive receivers are required.

h the distance of the Moon from the Earth being between 360 and 405 thousand kilometers and its diameter being 3475 kilometres it subtends an angle of only 0.52 degree to observers on the Earth. In order to illuminate the Moon with little wasted power either side, enormously directive antennas are required. Also these antennas must be completely steerable to be able to track the steadily changing position of the Moon.

Frequencies used for Moonbounce are generally in the VHF or UHF portion of the spectrum. This allows antennas with sufficiently high gains to be used to overcome the path losses. Although frequencies as low as 50 MHz have been used, it is more normal for the 144 MHz, 432 MHz or 1296 MHz amateur radio bands to be employed.

Any signals transmitted for EME, Moonbounce communications are subject to a number of signal propagation effects: Huge path losses, Variable path losses, Faraday rotation, Doppler shift: and Signal polarisation changes

Although SSB has been used on some occasions by stations using exceptionally large antennas, the majority of contacts used to be made using Morse. Now with computer technology and specialised data modes, these are widely used, and because there are low signal modes, this has considerably reduced the requirements on the equipment, bring Moonbounce within the reach of many radio amateurs. These are the usual modes, Morse EME contacts, WSJT and Moonbounce via SSB.

Howard and Skip finished with the normal Q/A session.



THE CONCLUSION OF THE STORY OF THE REPUBLIC Bill Connelly / W3MJ

The Baltic steamed closer to the Republic and was cautious not to approach too quickly. A tremendous cheer broke the silence and Binns noted that the Baltic had pulled alongside with the passengers lining the deck. It was after seven o'clock Saturday evening and after 15 hours of work Binns had brought the Baltic to rescue the passengers of the Republic.

Once the officers conferred and it was decided to transfer the refugees from the heavily damaged Florida to the Baltic. The Griesham and the Seneca came to offer help and also many others who had a wireless were announcing their arrival. The passengers had been transferred to the Baltic and lines were now attached to the sinking Republic. The Griisham was responsible for towing the Florida. They were to proceed to Nantucket watching for the signal that would mean the Republic was in danger of going to the bottom. Capt. Sealby and second officer Williams were aboard the Republic when it sank and were rescued 20 min. after the bow plunged into the wintry waters.

The Republic had sunk but it was not without some rumors concerning the cargo that may have been stored in its own. Some people speculated that the Republic had no evidence from the United States to aid the Messina earthquake. Though we might account for the slowness of turning the ship prior to the accident. Mr. Jack Binns was sent back to England to resume his duties as a wireless operator but only after the ticker tape parade by the mayor of New York City. In 1912, he was

assigned to the wireless operator of the new ship called the "Titanic", but he had just married his longtime sweetheart and thought it was too soon to be apart from her and opted for a position close to home. We all know what might have happened if he accepted the Titanic position.

The Florida sailed into New York with his Italian refugees and was met with crowds of press and onlookers. The papers were issuing extras to their regular morning and evening publications based upon the wireless transmissions by the ships involved in the station at Siasconett see a concert on Nantucket Island. Wireless headset replayed a singular and major role in the rescue and also the sale newspapers. It was the first time wireless had proven itself as a viable research in the history of sailing. As a "wish you were here" to those left home from the passengers, and a "Bon Voyage" to the passengers of the ship equipped with a wireless, averted. tragedy catapulted the Marconi company into a lucrative future. Until the accident, wireless was not considered to be a necessary piece of equipment for the safe passage from one port to another. It was a luxury for the wealthy passengers to send messages. The sinking of the Republic started to change the way wireless was thought of by the shipping companies and the public. News could be broadcast to the newspapers instantly, as it happened. The impact was astonishing and valuable those with insight into the future.

I hope you enjoyed this story. The things that changed history for the better may not be as clear or as pivotal as the story of the Republic, however, there are many such stories in the annals of radio. I enjoy reading and researching them and when I find one that might be of interest to you I will like to tell you about them.

73's Bill / W3MJ



AMATEUR RADIO TRANSPONDERS ON PLANNED CHINESE SATELLITES TO INCLUDE HF

China's Amateur Radio Satellite organization, CAMSAT, has released some details of three new Amateur Radio satellites that could be launched as early as September. Two of the satellites, CAS-5A and CAS-6, will carry transponders; one will have HF capability.

CAS-5A, a 6U CubeSat, will have an HF/HF (21/29 MHz) mode linear transponder; an HF/UHF (21/435 MHz) mode linear transponder; an HF CW telemetry beacon; VHF/UHF mode linear transponder; a VHF/UHF mode FM transponder; a UHF CW telemetry beacon, and UHF AX.25 4,800/9,600-baud GMSK Telemetry. Transponders will have 30 kHz passbands, except for the H/U unit, which will be 15 kHz.

The tiny CAS-5B, weighing 1/2 kilogram, will be deployed from CAS-5A in orbit. It will carry a UHF CW beacon on an Amateur Radio frequency. It will be placed into a 539 × 533 kilometer, 97.5° orbit.

CAS-6, a 50-kilogram microsat, will include a VHF CW telemetry beacon; a U/V mode 20 kHz linear transponder, and AX.25 4,800-baud GMSK telemetry downlink. It will also carry an atmospheric wind detector and other systems that will operate on non-amateur frequencies.

A launch at sea is planned for CAS-6, which will be placed into a 579 × 579 kilometer, 45° orbit.

CAMSAT has applied to the IARU to coordinate frequencies for all three spacecraft. -- *Thanks to AMSAT News Service via AMSAT-UK*

XENIA ENJOYS A SECOND MORE SUCCESSFUL YEAR PLAYING HOST TO "DAYTON"

Hamvention® 2018 returned to the Greene County Fairgrounds and Expo Center in Xenia, Ohio, for a second year, earning high marks for attendance, the debut of many new Amateur Radio transceivers, and tasty food.

"Other than the rain showers Friday and Saturday, the event seemed to go very smoothly," said QST Editor Steve Ford, WB8IMY, who has been on hand for many past Hamventions. "Many attendees, great food, and a spacious layout that made it easy to get around. It is a *much* better venue than Hara," he added. Others who commented on the Hamvention Facebook page agreed, although some complained that the flea market area was too small, still muddy, and not as well attended as in past years, when the flea market was Dayton Hamvention. Many credited the Dayton Amateur Radio Association for putting on a great show while still addressing needed improvements.

Ford said the rain, which included a Saturday thundershower, did not deter the crowds, although indoor exhibit areas were packed at times, reminiscent of the steamy traffic jams of the past at Hara Arena during wet weather.

ARRL EXPO, the focus of ARRL's Hamvention presence, saw considerable traffic, and visitors kept those tending the ARRL Store quite busy. Ford said attendees seemed to appreciate the ARRL Stage, where talks on various topics were presented throughout the show. ARRL Marketing Manager Bob Inderbitzen, NQ1R, said the ARRL team included nearly 100 people -- from Field Organization volunteers, Section Managers, Officers, Directors, Vice Directors, partners, served agency representatives, ARRL staff, and members who helped out. Ford postulated that Hamvention 2018 may have witnessed a record number of new Amateur Radio products. New transceivers included Icom's IC-7610, Kenwood's TS-890S, Yaesu's FTDX-101D, and FlexRadio's FLEX-6400M and FLEX-6600M. CommRadio introduced its CTX-10, a compact SDR-based QRP transceiver. Other new products ranged from CW keys, to digital mode interfaces, to audio processors and amplifiers. The August issue of QST will provide a roundup.

Showers persisted into Saturday. "Hamvention's attempts to mitigate last year's mud issues in the flea market area seemed to help, although the relentless rain proved to be a challenge," Ford observed. "As a result, the indoor exhibits appeared to receive the lion's share of the traffic."

Perhaps as a result of the wet weather, Hamvention forums proved popular. For example, a nearly standing-room-only crowd to the RTTY Contesting forum heard ARRL Southwestern Division Vice Director Ned Stearns, AA7A, discuss FT8 as a possible replacement for RTTY in contest applications. Stearns has been involved in proving out FT8 DXpedition Mode. The ARRL membership forum also drew a substantial crowd. After comments by President Rick Roderick, K5UR, Great Lakes Division Director Dale Williams, WA8EFK, addressed potential changes to the Amateur Radio Emergency Service® program.

The skies cleared on Sunday, and bargain hunters flocked to the Fairgrounds. A number of exhibitors commented that it was the largest Hamvention Sunday attendance they'd seen in a long time.

Young attendees seemed to be in greater evidence this year, including teams of students interested in combining Amateur Radio with robotics. For example, the First Robotics competition teams were on hand to demonstrate their creations.

The Yasme Foundation-sponsored "Ham Radio 2.0 -- Innovation and Discovery" area was a big hit, Yasme Foundation President Ward Silver, N0AX, said. "Subjects ranged from high-bandwidth satellite designs to Summits on the Air (SOTA), HamSCI's 2017 Solar Eclipse QSO Party (SEQP) research, and QSLs." Silver said the goal was to help diverse groups meet and interact. Researcher Nathaniel Frissell, W2NAF, who staffed the HamSCI booth, reported "a tremendous response."

Florian Zwingl, OE3FTA, of Austria, and Koos Fick, ZR6KF, of South Africa represented the IARU Region 1 group Youngsters on the Air (YOTA), promoting YOTA in IARU Region 2 (the Americas). The YOTA "Summer Camp" will be held in August in South Africa -- when it's winter in the Southern Hemisphere.

"The weather notwithstanding, the mood was clearly upbeat. The open layout of the Xenia Fairgrounds drew compliments as attendees found it much easier to navigate than Hara Arena," Ford said. "The Dayton Amateur Radio Association also received kudos for their smooth management of the event. The food vendors drew rave reviews with delights ranging from standard carnival fare to ethnic cuisine."

AMATEUR RADIO PARITY ACT LANGUAGE INSERTED IN NATIONAL DEFENSE AUTHORIZATION ACT

ARRL is praising the work of US Representatives Joe Courtney (D-CT), Vicky Hartzler (R-MO), and Mike Rogers (R-AL) for their successful efforts in securing language in the National Defense Authorization Act (NDAA) for Fiscal Year 2019 that aids in the survival and growth of Amateur Radio by giving radio amateurs the right to install an outdoor antenna at their residences with the approval of their homeowners associations. This language - text from the proposed Amateur Radio Parity Act (HR 555) - formed the basis for the Courtney-Hartzler-Rogers Amendment to the NDAA.

The amendment, offered by the bipartisan trio and accepted by the House Armed Services Committee by voice vote, will ensure that Amateur Radio operators will continue to play a vital role in disaster communication, when called upon. Amateur Radio has long-standing relationships with the Department of Defense through both the Military Auxiliary Radio Service (MARS) as well as spectrum sharing.

The Armed Services Committee passed the NDAA by a 60-to-1 voice vote after a 14-hour markup that ran well into the night. The bill now awaits House floor action. The Senate will begin its markup of the NDAA during the week of May 21.

Representatives Courtney and Adam Kinzinger (R-IL) spearheaded the effort to include the Parity Act language in the NDAA. Both are cosponsors of the Parity Act, which has passed the House by voice vote twice in the past 2 years.

Recognizing the long-standing relationship between Amateur Radio and the Department of Defense, Congressman Kinzinger - who served multiple tours for the USAF as a fighter pilot and is still a Major in the Air National Guard, and Courtney, who represents the House district that includes ARRL Headquarters, have been champions of the legislation in Congress.

"The steadfast support of the Amateur Radio community continually demonstrated by Congressmen Kinzinger and Courtney has been a godsend," said Hudson Director Mike Lisenco, N2YBB. "The Parity Act wouldn't be anywhere close to this stage without their strong support, and our organization is extremely grateful."

Lisenco, who serves as Chairman of the ARRL Board's Legislative Advocacy Committee, also recognized other promoters of Amateur Radio, including House Energy and Commerce Committee Chairman Greg Walden, W7EQI (R-OR), Energy and Commerce Ranking Member Frank Pallone (D-NJ), and House Armed Services Committee Chairman Mac Thornberry (R-TX). "We are deeply grateful for their continued understanding and support," Lisenco said.

ARRL will continue to press for support to enact the Amateur Radio Parity Act throughout the legislative process.

QCWA DIRECTOR CAROLE PERRY – INDUCTED INTO CQ AMATEUR RADIO HALL OF FA

The QCWA Board of Directors congratulates Ms Perry on her recent induction into the CQ Amateur Radio Hall of Fame.

The CQ Amateur Radio Hall of Fame has 11 new members for 2018, CQ magazine announced today. This brings to 321 the total number of members inducted since the hall's establishment in 2001.

The CQ Amateur Radio Hall of Fame honors those individuals, whether licensed hams or not, who have made significant contributions to amateur radio; and those amateurs who have made significant contributions either to amateur radio, to their professional careers or to some other aspect of life on our planet. The 2018 inductees (listed alphabetically) are:

Marlon Brando, FO5GJ (SK), iconic movie actor

David Brown, KC5ZTC (SK), NASA astronaut killed in 2003 Columbia disaster

Kalpana Chawla, KD5ESI (SK), NASA astronaut killed in 2003 Columbia disaster

Laurel Clark, KC5ZSU (SK), NASA astronaut killed in 2003 Columbia disaster

Ashhar Farhan, VU2ESE, pioneer in popularizing open-source Bit-X "semi-kits" using Arduinos for affordable QRP transceivers

Grady Fox, W4FRM (SK), SSB pioneer; worked on Manhattan Project during World War II and the camera for NASA's lunar landers

Wendell King, ex-2ADD (SK), African-American pioneer of broadcasting and college radio

Fred Lloyd, AA7BQ, founder of QRZ.com, the most widely-accessed amateur radio website

Mark Pecen, KC9X/VE3QAM, wireless communication and networking pioneer, inventor, cybersecurity expert

Carole Perry, WB2MGP, longtime advocate for youth in amateur radio; moderator of Dayton youth forum for more than 30 years

Ed Westcott, W4UVS, photographer who chronicled the Manhattan Project during World War II and later helped the FBI with its investigation of the Jonestown massacre

Two new members each are also being inducted into the CQ DX and Contest Halls of Fame at the respective Dayton DX and Contest dinners. Their names will be announced separately.

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.

F.Y.I.

The August Program will be "Johns Hopkins Applied Physics Lab" - T, Frankenfield

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 2017 – 2018 OFFICERS

President – Steve Harper / W3NAM ----- president@dlarc.org
Vice President – Stephanie Koles / WX3K ----- vicepresident@dlarc.org
Secretary – JoAnn Schaffer / ND3JJ ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

Gabe Lantos / KZ2A ----- gpl-3639@gmail.com
Dean Guth / AB3BD ----- babydean1@hotmail.com
Malcolm Leslie / KD2BDA ----- mleslie105@yahoo.com
Les Morrow / W3LES ----- lesterf52@gmail.com
Skip Paulsen / W1PV ----- flathead@rcn.com
Bill Connelly / W3MJ ----- cqw3mj@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)

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

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

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14 Gracedale Avenue
Nazareth, Pa. 18064-9211

THE NEWSLETTER STAFF

Editor – Don Holmes / KC3II ----- editor@dlarc.org
Web Master – Rich Hurd / WC3T ----- rich@wc3t.us
Circulation – Paul Morrison / N3YNT ----- n3ynt@aol.com