

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
AUGUST 2018



W3OK

CORRAL

**Club Meeting August 2nd, 7:30PM At the
Bethlehem Township Community Center**

AUGUST MEETING PROGRAM

“John Hopkins Applied Physics Lab”

T. Frankenfield

JULY PROGRAM



“NTS For Today's Radio Amateur”

Don / WK2PR

JULY 2018 MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on July 5, 2018 at the Bethlehem Township Community Center, Bethlehem, PA.

President, Steve Harper, W3NAM, called the meeting to order at 7:31 p.m.

President's Report:

- a. Steve reported that Board meeting was held in June due to lack of a quorum.
- b. The Board sent a letter to Barbara Wiemann, W3ATC, expressing its appreciation for creating an archive for the Club.
- c. Rich Hurd met informally with the Board and said that he does wish to continue as Webmaster. Because of his busy schedule, Rich asked that anyone wishing to have something posted on the website notify him 3 weeks in advance.

Members Announcements:

- a. Although no one made a formal report on Field Day, George Wieland, N3SQD, said that about 40 members attended.
- b. George, N3SQD, announced that there will be another go-kit workshop at the Milk House on Saturday, July 7, focusing on making antennas.
- c. On Sept. 9, George will be hosting a picnic for hams at Bicentennial Park in East Allen Township.
- d. Donald Darcy, WK3RP, announced that he will be giving an 11-week course that will enable participants to earn their EC-001 Introduction to Emergency Communications Certificate. The course starts on Friday, August 17, 2018. Each class runs from 7 p.m. to 9:30 p.m. and meets at the Monroe County Public Safety Center, 100 Gypsum Rd., Stroudsburg. Contact Donald at wk2rp@aol.com or (914) 424-6924.
- e. Chris Hornaman, NU3L, thanked club members for remembering him during his recent illness. It meant a lot to him.

Secretary's Report: JoAnn Schaffer, ND3JJ, announced that the Minutes for the June, 2018 General Meeting was emailed to the membership on June 28, 2018. Dave Blankenship, N3EYT, moved to accept the Minutes; it was seconded, and so moved.

Treasurer's Report: Mike Gower, KB3LOD, gave his expense report as of May 2018. Dean Guth, AB3BD moved to accept the Treasurer's Report; it was seconded, and so moved.

Committee Reports:

Membership: The following applications for membership were received: Shea Transue KC3LOS, Michael Mandell, KC3BLF, Scott Vanek, KC3LNB, Robert Worrall KB2GGS, Joseph Sinkus, KD2PWW, and Michael Dattilio KC3DAT. Terry Swinney, KC3JHT, moved that we accept the six applications for membership; it was seconded, and so moved.

Education: Bob Green, KE3AW, announced that classes for Tech and General licenses will begin on Sept. 8

Tech Committee: Al Wiemann, W3CE, said that the beam antenna is still pointing in the wrong direction and that the Club will probably have to pay someone to climb the tower to correct it.

Old/Unfinished Business:

Pete Varounis, NL7XM, said that the by-laws committee is nearly done and will be presenting their draft to the Board in the near future.

New Business:

Steve Harper announced that the Nominating Committee, comprised of John Barbaz, NT3P, Dave Blankenship, N3EYT, and Mark Bond, W2MB, has been activated.

Adjournment: There being no further business, the Meeting was adjourned at 7:51 p.m.
Respectively Submitted by JoAnn Schaffer, ND3JJ, Secretary

AUGUST CONTESTING AT THE OK CORRAL



- August 4 & 5 – ARRL 220 And Up Distance Contest
– North American QSO Party
- August 11 & 12 – WAE DX Contest
– MMonVHF/DUBOS 144 Meteor Scatter Sprint
- August 18 & 19 – ARRL 10 GHz And Up Contest
– Russian District Award Contest
- August 25 & 26 – YO HF Contest
– SCC RTTY Championship



VE TEST SESSION

There will not be a test session this month. The next session will be on September 7th, at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact John / NC3P at nc3p@arrl.net

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 Michael Mandell / KC3BLF, Michael Dattilio / KC3DAT, Robert Worrell / KB2GGS, Scott Varnek / KC3LNB, Shea Transue / KC3LOS and Joseph Sinko / KD2PWW.

AUGUST QUICK CHECK CALENDAR

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|------------------------|-----------------------|-------------------------|-----------------|----------|
| | | | 1 DLARC Net (KC3II) | 2 DLARC Meeting 7:30 PM | 3 NO VE SESSION | 4 |
| 5 | 6 | 7 | 8 DLARC Net (N3SQD) | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 DLARC Net (KB3CTX) | 16 | 17 | 18 |
| 19 | 20 | 21 DLARC BOARD MEETING | 22 DLARC Net (K3PDL) | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 DLARC Net (W3NAM) | 30 | 31 | |

EC-001 EMERGENCY COMMUNICATIONS CLASSES FORMING NOW (Free Class)

The Eastern Pennsylvania Amateur Radio Association (EPARA) and the Monroe County Public Safety Center will be holding an (11) week course where you can learn everything you need to earn your EC-001 introduction to emergency communications certificate. Class will be once a week on Friday evening.

The EC-001 introduction to emergency communications is a basic course introducing emergency communications geared toward amateur radio, this course is an excellent starter for anyone wishing to do emergency communications. Class size is limited to 24 persons

Classes begin on:

August 17, 2018 from 7 PM to 9:30 PM at:

Monroe County Public Safety Center,
100 Gypsum road Stroudsburg, PA 18360

Preregistration is required

Prerequisites: IS-100 and IS-700

Recommended : IS-200, IS-800 and IS-250.a (Not required)

For more information or to join contact:

Donald Darcy, WK2RP at 919-424-6924 or wk2rp@aol.com

A final exam will be held one week after course finishes.

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

JULY BRAINTEASER ANSWER "A Secret"

The winner is **Dave / N3EYT**

AUGUST BRAINTEASER

**A man builds a perfectly square house, with each wall facing South.
A bear comes along. What color is the bear?**

DLARC NIGHT AT COCA-COLA PARK

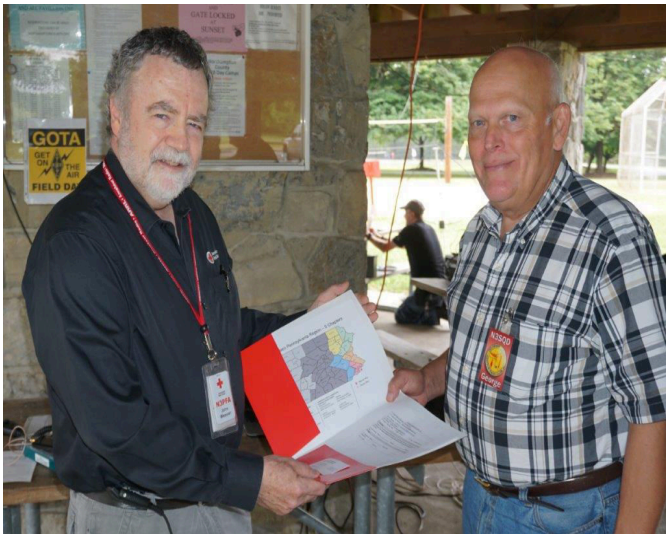


June 13 was a perfect evening for a baseball game. DLARC members, family and friends – for a total of 26 fans in our group– enjoyed the “Ham night with the Iron Pigs” baseball game. Besides the socialization at the ballpark, the ending of the Iron Pigs vs. the Buffalo Bisons was a nail-biter when the Iron Pigs went into the bottom of the 9th inning behind Buffalo, 7-5. The Pigs made up the deficit plus one for an 8-7 winning score.

DLARC also had a presence with our Club announced on the big screen. See anyone you know?

de Bob / KE3AW

FIELD DAY 2018







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JULY MEETING PROGRAM REPORT

Don / WK2RP, presented this month's program on the National Traffic System. Don, is an active NTS control operator on several nets and a message handler on additional nets.

What is the NTS and its history was explained. The requirements as to license and equipment were covered. Covered also was the advantage of NTS messages.

The use of ARRL radio-gram forms was explained with how to fill them out and why they were filled out in that form. These details though they seem complicated are necessary for the accurate and rapid delivery of the messages

Covered also were the nets themselves, and how they were operated according to your individual skills at message handling. As your skills increased you were accepted in the higher skilled nets.

Don, finished with the usual Q&A session. Another informative program that if you should not have missed.

CAMSAT OFFERS MORE DETAILS ON NEW SATELLITES< ONE CARRYING TRANSPONDERS

CAMSAT, China's Amateur Radio Satellite organization, has offered additional details about the three Amateur Radio satellites it plans to launch later this year. Two of the satellites, designated CAS-5A and CAS-6, will carry transponders, and one of them will offer HF capability. CAMSAT's Alan Kung, BA1DU, told ARRL that the 6U CAS-5A will carry two HF transponders and two V/UHF transponders. The plentiful equipment package includes an H/T (21/29 MHz) mode linear transponder, an H/U (21/435 MHz) mode linear transponder, an HF CW telemetry beacon, a V/U linear transponder, a V/U FM transponder, a UHF CW telemetry beacon, and UHF AX.25 4.8k/9.6k baud GMSK telemetry.

The H/T mode linear transponder will have a 30 kHz wide uplink centered on 21.400 MHz, and a downlink centered on 29.490 MHz. RF output is 0.5 W.

An HF CW telemetry beacon will transmit on 29.465 MHz with 0.1 W.

The H/U mode linear transponder will have a 15 kHz wide uplink centered on 21.435 MHz, and a downlink centered on 435.505 MHz. The RF output is 0.5 W.

The V/U mode linear transponder will have a 30 kHz wide uplink at 145.820 MHz, and a downlink at 435.540 MHz. The RF output is 0.5 W.

The V/U mode FM transponder will uplink at 145.925 MHz, and downlink at 435.600 MHz. The transponder passband is 15 kHz, and the RF output is 0.5 W.

The UHF CW telemetry beacon will transmit on 435.570 MHz, with an RF output of 0.1 W. UHF AX.25 4.8k/9.6k baud GMSK telemetry will transmit on 435.650 MHz at 0.5 W.

Kung told ARRL that the HF, VHF, and UHF antennas are quarter-wave monopoles.

A satellite within a satellite, the tiny CAS-5B, weighing 0.5 kilogram, will be deployed from CAS-5A in orbit. It will carry a UHF CW beacon on an Amateur Radio frequency. Both CAS-5A and CAS-5B will be placed into 539 × 533 kilometer, 97.5° orbits. They will launch from the Jiuquan Satellite Launch Center in late September.

The 50-kilogram CAS-6 microsat will include a VHF CW telemetry beacon, a U/V mode 20 kHz linear Amateur Radio transponder, and AX.25 4.8k baud GMSK telemetry. It will also carry an atmospheric wind detector and other systems that will operate on non-amateur frequencies.

A launch at sea on an as-yet undetermined date is planned for CAS-6 from the China Academy of Launch Vehicle Technology. The microsat will be placed into a 579 × 579 kilometer, 45° orbit.

IRANIAN RADARS SHOWING UP ON 10 METERS

While 10 meters has not been the hottest band in the Amateur Radio toolkit of late, Iran apparently has found it an ideal spot to operate various radars. The interference was audible in International Amateur Radio Union Region 1 (IARU R1) and perhaps elsewhere in the world.

"Iranian radars were very active on our 10-meter band every day [in May]," reported IARU Monitoring System (IARUMS) Coordinator for Region 1 Wolf Hadel, DK2OM, in the IARUMS newsletter. "On 28.860 MHz, we could daily receive the strong and long-lasting signals. Other frequencies were used in [frequency hopping] mode."

The list of additional Amateur Radio intruders on 10 meters included — or in some cases, no longer included — some of the usual suspects. Hadel reported that FM signals from Russian taxi dispatchers, driftnet fishery buoys, and Citizens Band "abusers" in Brazil have been operating on various 10-meter frequencies, "as usual."

Meanwhile, some chronic intruding signals have disappeared. Among the missing is the 14,295 kHz harmonic from Radio Tajik on 4,765 kHz. Radio Hargeysa in Somaliland on 7,120 kHz is said to have been off the air for several weeks due to a transmitter failure. "We did not miss the transmissions," quipped Hadel, who also expressed the hope that the broadcast battle between Radio Eritrea and Radio Ethiopia on 40 meters may now be at an end. For some time now, Radio Eritrea contended with Ethiopian "white noise" interference on 7,140 and 7,180 kHz. This month, Ethiopia announced that it would accept a peace deal with Eritrea to end a bloody 20-year-old dispute.

Hadel reported a "hybrid modem" signal for a few days in May on 14.000 MHz from the Israeli Navy, consisting of six pre-carriers — PSK4 parallel and MIL-188-110A modified. Just below 20 meters, on 13.998.0 MHz, transmissions of MFSK-16 from Russia were observed on May 31. The signal was heard up to 14.001.165 MHz in the amateur band.

PA QSO PARTY. 2018

It's August and time to begin checking your rig and antenna system,s for this year's PA QSO Party. This years dates are October 13th and 14th. Get on the air and score points for the D:LARC. The DLARC has been club class winner in the past and it is time to regain that glory. For more information go to www.paqso.org

“BAKER IS BRUTAL“

KH1/KH7Z DXpedition Team Reports upon Arrival

"Baker is brutal!" That was the initial assessment from the Baker Island [KH1/KH7Z](#) DXpedition team, which arrived at the uninhabited South Pacific atoll on June 26 at local sunrise, following a 4-day sea voyage. The KH1/KH7Z team started up early on June 27, initially with four stations on the air, with additional stations and modes, including FT8, joining the fray by June 28.

"Island conditions are extremely hot and difficult. Long work periods in the sun are challenging," a June 27 DXpedition news update reported. The team reported that the landing "was not too bad, but the island is an oven," with the temperature well above 100 °F by mid-morning. Despite challenging tides, the crew of the *Na'a* was able to offload all tents, generators, and emergency supplies. After the initial landing team left "totally exhausted," a fresh crew arrived to put up the tents for sleeping and move radios, antennas, and generators to the storage and operating tents.

"They say it never rains on Baker," the DXpedition noted in its June 28 update. "At midnight, giant squalls came through, knocking out one of our three antennas that we worked so hard to get up. We worked through the morning and [now] have 6 stations available." The KH1/KH7Z [frequency plan](#) is on the DXpedition website.

[DXpedition operators generally will operate split. Do not call on the DX station's transmitting frequency.](#)

FT8 "DXpedition Mode" operation is planned. Stations should have *WSJT-X* version 1.9.1 installed and be in "Hound" mode (check the appropriate box under the "Advanced" tab in the *WSJT-X* File/Settings menu). [More information](#) on DXpedition Mode is available from the *WSJT-X* Development Team.

Plans call for the DXpedition to be "very active" on 60 meters. [Logs](#) will be uploaded to Club Log.

A SAD PASSING

Friends - this is almost too sad to forward but I felt I should. Please join me in remembering a great icon of the entertainment community. The Pillsbury Doughboy died yesterday in Minneapolis of a yeast infection and traumatic complications from repeated pokes in the belly. He was 71.

Doughboy was buried in a lightly greased coffin. Dozens of celebrities turned out to pay their respects, including Mrs. Butterworth, Hungry Jack, the California Raisins, Betty Crocker, the Hostess Twinkies, and Captain Crunch. The grave site was piled high with flours.

Aunt Jemima delivered the eulogy and lovingly described Doughboy as a man who never knew how much he was kneaded.

Born and bread in Minnesota, Doughboy rose quickly in show business, but his later life was filled with turnovers. He was not regarded as a very smart cookie, wasting much of his dough on half-baked schemes.

Despite being a little flaky at times, he still was a crusty old man and served as a positive roll model for millions.

Doughboy is survived by his wife, Play Dough, three children: John Dough, Jane Dough, and Dosey Dough, plus they had one in the oven. He is also survived by his elderly father, Pop Tart.

The funeral was held at 3:50 for about 20 min.

If you smiled while reading this, please rise to the occasion and pass it on to someone having a crumby day and kneading a liftanniversary this year.

THE SURPRISING REASON WE SAY 'HELLO ' WHEN WE ANSWER THE PHONE

BY CLAIRE NOWAK

It's pure instinct. When our phones ring—after checking caller ID, of course—we pick up and say, "Hello?"

But if Alexander Graham Bell had his way, we would be saying "Ahoy."

The word "ahoy" has been around for at least 100 years longer than "hello." It came from the Dutch word "hoi," also a greeting. According to [NPR](#), Bell was so certain it would catch on as the perfect phone conversation starter that he used it for the rest of his life.

Luckily, we don't have to like pirates every time we pick up the phone. You can thank Thomas Edison for that. He was the one who proposed "hello" as the proper greeting, to the chagrin of his rival Bell. At the time, telephones were thought of like modern walkie-talkies, where the line would stay permanently open so businesses could communicate with each other whenever they pleased. The problem was letting the one side know when the other wanted to talk. In a letter to the president of the Central District and Printing Telegraph Company in Pittsburgh, who was about to bring the telephone to that city, Edison suggested saying "Hello!" would be the best way to get someone's attention.

He was right. "Hello" was noted as the official greeting in many of the first phone books. Official manuals of the first telephone exchanges (Ever see movies where switchboard operators connected two callers? That's a telephone exchange) gave "hello" equal importance.

Of course, what comes after "hello" is what really actually matters. If you can't think up a memorable [conversation starter](#), Edison would have done all that hard work for nothing.

F.Y.I.

The September Program will be "Gordon West Live" WB6NOA via Skype

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
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Vice President – Stephanie Koles / WX3K ----- vicepresident@dlarc.org
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**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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