

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
DECEMBER 2019



W3OK

CORRAL

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

DECEMBER MEETING PROGRAM

“Our DLARC Annual Club Christmas Party”

NOVEMBER PROGRAM



**Filming “ Across the Pacific” & Radios of PanAm
Brian / KN4R**



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GIVE SOMEBODY A CALL

In society **today**, the number of choices we have to communicate with others is staggering. Texting, Email, Facebook, Twitter, Snapchat, Twisted pair landline (It does still exist), FaceTime, Skype, online forums (Like ours on the DLARC website), Meetup, Blogging, Messenger (Facebook), US Mail(The old fashioned way), Cell Phone (Almost everyone has one these days), Meeting someone at the coffee shop, Sign Language, and Braille. Amateur radio operators can use FT8, RTTY, SSB, AM, PSK31, JT65, FM, C4FM, DMR, DSTAR and CW just to name a few. We feel comfortable using certain methods depending upon what period of time we grew up in and what our friends use to talk to us with. When you consider it, a lot of current day communication takes place without a verbal word being said or being able to see the other person. We live in a busy part of the US where people are on the move for work or pleasure. We keep in touch with each other using whatever means works for our lives. Meeting up with a friend or group over a cup of coffee/tea or over dinner on a regular basis is just as important in this day and age. Keeping in touch keeps us interested in others and feeling more connected for a healthy well being. Amateur Radio is a public hobby. A commonly used mode like FM on our club repeater(146.700) is good place to start. We have a wonderful repeater system that not only allows us to keep in touch with each other over a large area but also use it for emergency purposes. Picking up the microphone to say you are "listening", is a great way to start a conversation about your new radio that you bought from HRO or to just chit chat from the car. An answer may not happen right away but eventually someone will feel inclined to answer you. Of course, if you listen long enough you will hear someone and you can choose to call them. We should also try to reach out to others we have not heard from in a while to see how they are doing. Encourage them to listen to the repeater. Encourage the new licensees with their new hobby endeavours. As the holidays approach and the colder weather sets in, we will find the radio a great way to keep in touch throughout the inconvenient months of winter. Give someone a call **today**.

PROGRAM CHAIR PERSON

Evelyn / W3DOY, our program chairperson is stepping down after presenting many outstanding meeting programs. We are now in the need of a member to fill this position. If any member is interested in filling the position, contact any executive committee member and let them know your interest.

NOVEMBER MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on November 7, 2019 at the Bethlehem Township Community Center, Bethlehem, PA.

President, Stephanie Koles, WX3K, called the meeting to order at 7:30 p.m.

President's Report:

Stephanie opened the meeting with the warning that winter weather is approaching and the time for implementing any antenna projects should begin. Stephanie spoke about the witnessing the NASA Virginia launch of the Cygnus NG-12 Rocket from her street on November 2. In addition of the mission to supply the ISS, NG-12 carried the low earth orbit amateur satellite HuskySAT1.

Announcements:

1. Al / W3CE announced that he will conduct a D-Star session at the Milkhouse on Saturday November 9.
2. Bob Green / KE3AW, relayed that on Sunday November 10, at 2:00 p.m., the National Museum of Industrial History in South Bethlehem will be hosting the event "Radio's Major Roll in Winning WWII."
3. Pete / KL7XM said that Sunday November 10 is the 249th birthday of the USMC.
4. Al/W3CE asked that anyone subscribing to CQ Magazine please bring the article written by Barb/W3ATC, for the December spotlighting the 50th year of DLARC's WX3MAS Christmas event.
5. Dave / N3EYT said that WX3MAS will run four days this year, Thursday-Sunday. Dave provided a signup sheet. It will be possible for members to participate from their home stations in addition to the Club Station. Dave can be contacted at N3EYT@arrl.net.

Secretary's Report: Larry / AB3TY, announced that the Minutes for the October 2019 General Meeting as drafted by JoAnn / ND3JJ. Dave/N3EYT motioned to accept. It was seconded by Steve.K2OPA and so moved.

Treasurer's Report: Treasurer Mike Gower, KB3LOD, reported on the Club's financial status for September 2019. Pete / NL7XM motioned to accept; it was seconded by George / N3SQD and so moved.

Committee Reports:

Membership: Membership Chair Terry Swinney, KC3JHT nominated the following new members:

Robert Burke-Technician
Joseph Wood/KC3HLL-Technician
James Maxwell-General
Scott Scherer-Technician
Theodora Lazos-Technician
Steve Kinney-Technician
Randal Rodrigues-Technician
Larry Gauntz-Technician
William Slotter-Technician
Joe Trippett-Technician

Ed / AA3OU motioned to accept the new members; it was seconded by George/N3SQD and so moved.

Tech: Regarding the ongoing issue with the beam antenna, George / N3SQD said that the problem has been diagnosed with reasonable certainty. There is an issue with the rotator's potentiometer. The failure is believed to be the rotator being secured to the plate without a spacer allowing moisture to enter the case. Charlie Adams / K3HKZ will provide a climber. The replacement part along with a connector will be ordered. The cost of the climber will be \$150/hr. George estimates it will take 4-5 hours. Pete / NL7XM made the motion to approve \$1500 to cover the expenses to repair the beam. It was seconded by Steve / N2IYR and so moved.

Repeater: Ed / AA3OU announced the time for the courtesy tone has been lengthened to lessen the strain on the finals.

Awards Committee: Committee Chair Terry Swinney, KC3JHT, passed out Certificates of Appreciation. George / N3SQD was honored as the DLARC K3NZ winner for his high score of 12,120 in the 2018 PA QSO Party in the category of single operator.

Programs: Stephanie announced that the Club is still in need of a permanent Program Chair. There are several programs lined up for 2020. Please contact Stephanie if you are interested in being Chair or part of the committee.

New Business:

1. Stephanie proposed that W3OK be brought to the PA QSO committee to use the Club's call as a bonus station in the 2020 event. A volunteer is needed to be lead on this endeavor.
2. Steve / NS3L stated the Club's PayPal portal needs to be updated to allow members latitude in choosing the criteria that fit their situations.

Adjournment: There being no further business, the meeting was adjourned at 8:20 p.m.

Larry / AB3TY, Secretary

CLUB TREASURER

Mike / KB3LOD will be stepping down following this term as treasurer. Mike has been treasurer for many years. We thank him for his excellent service. Any member interested in this office contact any Executive Committee member. This will allow time for Mike to explain the ins & outs of the DLARC finances.

DECEMBER QUICK CHECK CALENDAR

*

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4 DLARCC Net (K3PDL)	5 DLARC Meeting 7:30 PM	6 NO VE Session	7
8	9	10	11 DLARC Net (W3NAM)	12. WX3MAS	13 WX3MAS	14 WX3MAS
15 WX3MAS	16	17	18 DLARC Net (ND3JJ)	19	20	21 First Day of Winter
22	23	24 DLARC BOARD MEETING	25 DLARCC Net (No Net)	26	27	28
29	30	31			29	30

VE TEST SESSION

There will not be a test session this month. The next session will be on at January 3, 7 PM at the Northampton County 911 center. Pretest registration is required. Contact John / NT3P at nt3p@arrl.net

DECEMBER CONTESTING AT THE OK CORRAL



- December 7 & 8 – PRO CW Contest
- FT8 Round up
- December 14 & 15 – ARRL 10 mtr Contest
- TRC Digi Contest
- December 21 & 22 – Padang DX Contest
- OK DX RTTY Contest
- December 28 & 29 – Original QRP Contest
- Stew Perry Top band Challenge



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

NOVEMBER BRAINTEASER ANSWER

Answer: a. – 2, b – 5, c – 4, d – 3, e – 1

The winner is **Barb / W3ATC**



DECEMBER BRAINTEASER

What word of six letters contains seven words, besides itself, without transposing?

MEMBERSHIP DUES ARE DUE!

It's that time, already! DUES are payable for the calendar year 2020. 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.** Is one method of payment to more accurately record your timely renewal. Please ensure that your call sign appears somewhere on the instrument, such as in the memo field. Payment may also be made using PayPal. 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 December 31st, your membership will expire.

2020 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

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

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de Pete / NL7XM

NOVEMBER BRAINTEASER ANSWER

Answer: a. - 2, b - 5, c - 4, d - 3, e - 1

The winner is Barb / W3ATC

DECEMBER BRAINTEASER

What word of six letters contains seven words, besides itself, without transposing?



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.



**Edward " ED "Statler
K3IFE**

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!

W3OK CLUB STATION

Better known as the "Milkhouse" is open Wednesdays' 6 PM until ??, and Saturdays'9:30 AM until ??. Our repeater 146,700 is always on ... So just call W3OK and check.

de Les / W3LES

WX3MAS TURNS 50

The 50th Anniversary Special Event of WX3MAS has been extended to cover four days, December 12 through December 15 (Thursday through Sunday), from 1400Z to 2200Z (9:00 am-5:00 pm EST).

We are looking for some wise men and women to journey from afar and come join us in celebrating 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. We are extending the length of the event this year from Thursday through Sunday, December 12 - 15, to promote this special 50th anniversary event.

New this year, if you are a member of the club you may operate the event from home! To avoid conflicts, we need to schedule remote operators and must know the date(s), time(s), band, and mode you chose to operate. Contact Dave / N3EYT to reserve your operating time / date.

We will try to cover operation on the 20, 40 and 80 meter bands with some mix of SSB, CW, and PSK31.

Watch for sign-up sheets and opportunities to bring food to the club station for Saturday dinner. Operating times will be 9 am to 5 pm ET each day. Look for us in the December issue of QST magazine.

David Blankenship / N3EYT

REFLECTIONS FROM THE PAST



WX3MAS 1969 THE FIRST OF 50

TAKING ADVANTAGE OF COAXIAL CABLE CAPACITANCE

Jeff Blaine, AC0C, had a bad capacitor in the 15-meter filter section of his 5B4AGN multiband band-pass filter, because as he puts it, "they have been treated terribly over the years." One way to damage a filter is to use power levels at the limit of the filter into a load that presents a high SWR -- especially a high duty cycle mode like RTTY. He didn't have the required small 14 pF capacitor, so he trimmed a piece of RG-58 to the required value - coaxial cable exhibits a certain amount of capacitance per unit length.

"The repaired 15-meter filter runs 1.10:1 or better SWR across the band with an insertion loss of about 0.65 dB," he reports. Blaine advises that the RG-58 "can be coiled up and secured with some tie wraps" and that it should be kept away from the toroid to minimize interaction -- a half-inch is probably sufficient. This approach may work well for other applications where a low-value capacitor is difficult to obtain and space is available.

Blaine uses an L/C meter to measure the capacitance as the piece of cable is trimmed to approach the target value, and he leaves the cable about a quarter of an inch, then trims the braid back to increase the distance between it and the center conductor. He puts shrink wrap over the end, and measures the passband of the filter section with the chassis cover in place.

IMPORTANT NOTICE

Please check the web page roster listing. It is important that your telephone number and email address are correct. This is the only way we can contact members. If you do not receive the newsletter in your email and are registered for the phone tree and do receive the notices by phone, your email address is incorrect on the roster, and the same for your telephone number.

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 from the Fall Classes and have successfully passed the Technical Test. They are Robert Burke / KC3OJE , Joesph Wood / KC3HLL, James Maxwell / KC3OJI, Scott Scherer / KC3OJG, Theodora Lazos / KC3OJD , Randal Rodrigues / KC3OJF, Larry Gauntz / KC3OJA, William Sloter / KC3OJC, And Joe Trippett / KC3OJH.

SKIP PAULSEN / W1PV

Getting new aluminum in the air for 2 meter moon bounce



2018 PA QSO PARTY - K3NZ AWARD WINNER



GEORGE / 3DSQD was the DLARC individual high score for the 2018 PA QSO Party with a score of 12,200.

Congraduations GEORGE

NOVEMBER PROGRAM REPORT

FILMING "ACROSS THE PACIFIC" AND RADIOS OF PANAM

Across the Pacific is a soon-to-be-released documentary about one of the great milestones in aviation history: the crossing of the Pacific Ocean by a Pan American Airways flying boat known as the China Clipper.

The China Clipper's take-off from San Francisco Bay in November 1935 was one of the most-anticipated, most-listened-to events in history to that point. The event was broadcast live over nine radio networks reaching millions of listeners on four continents.

Brian Harrison / KN4R discussed the filming of this documentary and how he and friends were able to provide period radios and accessories to help the project achieve authenticity. This program builds on his previous presentation on "Radios of the 1931 Lindbergh Survey Flights." (see the June issue of the W3OK Corral.)

Brian and his wife, Cathy, were in and around Boston for four days in support of the filming of some of the dramatic scenes for the documentary. He loaded up a pile of equipment, including vintage receivers and transmitters, telegraph keys, headphones, and reproduction batteries and headed on his journey north.

Brian said, "It was a 12 hour drive from my QTH to Tewksbury MA for the first days shooting, including Hugo Leuteritz's 1919 laboratory scene, the handful of different 'Key West Operations and Radio Room' scenes circa 1928, 'the DF Works' lunch meeting scene with Juan Trippe, the 'Alameda' scene where Leuteritz is listening for the overdue Hawaiian Clipper aircraft (which finally arrives safely), and finally, Leuteritz's 1940 'career recap' scene..."

"The last day's shooting ('airplane crash scene') was at a soundstage in Boston."

Brian's talk focused on four individuals who helped Pan American gain a leading place in international air travel.

●Pan Am's brash young chief executive, **Juan Trippe**, whose business acumen, political instincts and legendary foresight allowed him to build the world's largest airline by age 35. *

●**Igor Sikorsky**, the Russian émigré who designed most of the flying boats that fueled Pan Am's meteoric rise in the 1920s and '30s. Though these odd aquatic aircraft may seem like nostalgic curiosities today, they played a critical role in the early days of commercial flight, particularly overseas. *

●**Hugo Leuteritz**, who invented the navigation systems that guided Pan Am's planes safely to their destinations. To cross the Pacific, Pan Am needed navigational methods that would allow its pilots to find their way unerringly across thousands of miles of trackless ocean. Leuteritz, before almost anyone else, realized the secret lay in radio – a technology that would be at the heart of virtually every navigational technique developed since the 1930s. *

●**Charles Lindbergh** was a well-known pilot and became the face of Pan American Airlines. Lindbergh's technical advice on the purchase of the Sikorsky S-40 aircraft was his first contribution to Pan American's acquisition of new equipment, but it would not be his last. Trippe said that Lindbergh "was in on virtually every decision of a technical nature that Pan American made." Although not a graduate aeronautical engineer, Trippe noted, "he understood flying totally, and he was a man with extraordinary vision."

de Dave / N3EYT

The Night Before Christmas, Ham Radio style.

'Twas the night before Christmas, when all through the town, The snowstorm was raging, the phone lines were down; The wind it did howl, the tree limbs did crack, I hope that St. Nick isn't forced to turn back.

The wife making cookies, the kids making noise, While away in the shack, by my rig I was poised. The finals were glowing, the mike gain was set, I was chasing DX to see what I could get.

The bands were all empty, the frequencies clear, Except one lone station that sounded quite near. He was calling CQ and my interest did pique, When he ended transmission with the words, "Old St. Nick".

I answered back quickly, I used great dispatch, If this were St. Nicholas, good God, what a catch! We exchanged information, it was really quite graphic, Then he came back and said, "**I've emergency traffic!**"

His reindeer were tired, his elves in a grump, If he didn't land soon, then his sleigh he would dump. I thought very carefully, I thought very hard, Then I gave him directions to my snow covered yard. As he flew past my window, his hair like a mane, He reined in his chargers and called them by name: "Whoa, Anode! Whoa, Cathode! Whoa, Zenier! Whoa, Diode! Stop, Heater! Stop, Grid leak! Stop, Bias! Stop, Triode! You're flying too low! you're flying too fast! Look out, you dumb reindeer, his antenna mast!"

So into the backyard the reindeer did drop, St. Nick, the elves, and the sleigh went kerplop! Then at the back door, I heard this loud knocking, "**Open up in there, or I won't fill your stocking!**"

As I turned off the light and was leaving the shack, Into the house Saint Nicholas came from the back-- His two-meter rig held to his hip with a strap, "Hams do it in the shack" on the front of his cap.

The sack that he carried made his aged brow furrow, And he handed me a card that read, "QSL Via Bureau".

His clothes were all sooty, from his shoes to his vest; I felt like a novice taking his test. His fingers were calloused and from what I could tell, This came from a straight key that I'll bet he used well.

I offered him coffee, I offered him smokes, I tried easing the tension by telling ham jokes. Then he nodded his head and raised up his thumb, He smiled like an Elmer, did I ever feel dumb.

He grabbed up his sack and went straight for the tree, And placed in it a large present for me. When he finished his work, he stood up, took a bow, Then out the back door to his team he did plow.

But I heard him exclaim as he flew o'er the land, "**Beware the FCC, friend, we were both out of band!**"

F.Y.I.

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 – Steve Harper / W3NAM ----- vicepresident@dlarc.org
Secretary – Larry Kaplan / AB3TY ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

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Bill Connelly / W3MJ ----- cqw3mj@gmail.com
Steve Nordahl / NS3L ----- ns3l@yahoo.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

The W3OK Corral is published monthly and is the Official Publication of the
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