

**DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.**

***DECEMBER 2022***

# **W3OK CORRAL**

Club Meeting December 1, 7:30PM at the  
Nancy Run Firehouse.

**DECEMBER MEETING PROGRAM- CHRISTMAS  
PARTY**

**PLEASE BRING CHIPS, DIP, COVERED DISH, DESERT OR  
BEVERAGE – YOUR CHOICE**

Please E-Mail: Terry, KC3JHT at [ldocapt@gmail.com](mailto:ldocapt@gmail.com) with that you are bring so  
we don't end up will all desserts.



# MERRY CHRISTMAS AND HAPPY NEW YEAR!

## NOVEMBER MEETING MINUTES

The General Meeting was held at the 911 Center.

President Doreen Gramling, K3PDL called the meeting to order at 7:30 pm.

**Pledge of Allegiance:** Led by Doreen, K3PDL

**President's Report:** Doreen greeted everyone and thanked all for coming out to the meeting.

**Guests:** None

**Secretary's Report:**

Terry, KC3JHT, asked if there was any additions or corrections to the Meeting Minutes as printed in the last Newsletter. A motion to accept the Minutes was made by Dean, AB3BD and second by Carl, AA3IX and motion was carried.

**NOTE:** We are still in the **NEED** of a **PERMANENT SECRETARY** and if interested, contact any Board Member.

**Treasurer's Report:**

Larry, KC3JTK, presented the report for the November. A motion by Dean, AB3BD to accept the report. John, N3TP second the motion and so moved.

**Committee Reports:**

**Membership:** Terry, KC3JHT, indicated that some dues money have been collected by the Treasurer, Larry, KC3JTK, and information will be forward this month for reporting at the December meeting.

**Club Station:** No report

**Tech Committee:** No report

**Website:** Larry, AB3TY, indicated that there were a couple of glitches with the site have been corrected.

**Repeater:** No report

**Old Business:** The Parks on the Air (POTA) was well received and we had about 20 people attended. Noted that we will provide a Thank You to Jacobsburg Environmental Education Center, Damian Over, Bushkill EMS, and Adam, N3LAG for their support.

Nothing new to date on the Rotator and Beam.

Equipment sale – Take what you want and just give a donation to the Club for whatever the value it is to you.

**Question:** Carl, AA3IX, asked about the Forum. It was indicated the Forum was done by Don, KA3JWE on the reflector. Carl, asked if there was ever going to be a “new” forum. However it was pointed out there seems to be minor glitches with the Forum as some were getting the traffic twice or more. There were comments that it was easier to just pick up the phone and call someone or use e-mail for communications. Terry, KC3JHT, said he would contact Don, KA3JWE, for assistance. He will also check about the Reflector. Larry, AB3TY, indicated that there never was a forum on the “NEW” Website so that is why there is no forum.

**New Business:** Dave, N3EYT, asked about Badges and if anyone needs one to let him know.

WX3MAS information was presented by Davy, N3EYT, indicated that the WX3MAS Christmas Station would be up and running from Thursday, December 8<sup>th</sup> through Sunday, December 11. The hours will be 9am to 5pm but could be extended if the bands are busy. You may also work from home, but please contact Dave so we don't over laps. Also you will need to provide a log to Dave for your work. He will have signup sheets for the WX3MAS hours of operation. Logs need to be submitted to Dave, N3EYT, and also be submitted electronically so that we have a complete internal log. You can talk about the City – Bethlehem is Christmas City USA and Nazareth, home of Mario Andretti.

Bob, KE3AW, reported on the Emmaus Halloween Parade and said it went very well and we were commended for our participation in the parade.

**Other News:** Bob, KE3AW, indicated that there would be a VE Session at the 911 Center on Friday, November 4, 2022 at 7pm. Two people have signed up and there are 5 VEs for the session.

**Board Member:** There is a vacant spot on the Board of Directors. It was asked if anyone present would like to be a Board Member. NO RESPONSE. Terry, KC3JHT,

indicated that John, N3IGA, approached him to be a board member. With no objections, John, N3IGA, was unanimously voted in as the newest Board Member.

**Programs:** Programs will begin in January 2023. Program Card will be sent out in the month of November 2022

**Adjournment:**

There being no further business, a motion to adjourn the meeting was made by Dean, AB3BD and seconded by Terry, KC3JHT. The meeting was adjourned at 8:00 pm.

### DLARC CHRISTMAS PARTY

There will be a Christmas Party at the December Club Meeting. Like last year, it will be a Potluck setup. Family members are welcome. Please bring chips, dip, covered dish, dessert or beverage – your choice. Please email Terry, KC3JHT, at [ldocapt@gmail.com](mailto:ldocapt@gmail.com) with what you're bring so we don't end up with all desserts.

### WX3MAS Christmas City Special Event

We are looking for some wise men and women to journey from afar and join us in celebrating the WX3MAS Christmas City Special Event. Some 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 8 – 11, to promote this special event.

If you are a member of the DLARC you may operate the event from home! To avoid conflicts, we need to schedule remote operators for the date(s), time(s), band, and mode you chose to operate. Please keep a log of your contacts in electronic form, if possible. Contact David / N3EYT to reserve your operating date, time, and mode.

We will try to cover operations on the 20, 40- and 80-meter bands with some mix of SSB, CW, PSK31 and FT8. Our published phone frequencies are: 3.850 MHz, 7.270 MHz, and 14.265 MHz.

Watch for operating announcements on the Wednesday net, club website, via email, or the club reflector. Official operating times will be 9 am to 5 pm ET each day but feel free to extend the time if conditions permit. Look for us in the December issue of QST magazine.

For more information, contact David/N3EYT at [n3eyt@arrl.net](mailto:n3eyt@arrl.net)

DLARC W3OK PA QSO PARTY PICTURES



## **MEMBERSHIP DUES ARE DUE!**

DUES are payable for the calendar year 2023. 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 callsign 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* must, 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 the beginning of March 2023, your membership will expire.

### **2023 DUES Rates**

**Regular Membership 18-64 years of age: Jan. - Dec. -- \$25.**

**65 and over or retired from all forms of employment (no age limit): Jan. – Dec -- \$20.**

**Additional Family member each -- \$5.**

**Associate Individual Membership -- \$15.**

**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. Do not mail any cash. Mail checks only or bring your check to the Club meetings. In person at Club Meetings, I'd prefer to except cash, 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:

**Lawrence R. Butler  
800 Maple Lane  
Easton, Pa. 18045**

Enclosing an 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: [lrbutler@ptd.net](mailto:lrbutler@ptd.net) include your phone number if you prefer a live reply.

De Larry / KC3JTK, DLARC Treasurer

## Grounding FAQ

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### **1. How important is a ground? Most people say that grounding is all- important, but I have had a few people tell me that grounds aren't necessary.**

Grounds fulfill three distinct functions. The best ground for one function isn't necessarily the best for another. The three are:

a. **Safety ground.** This protects you from a shock hazard if one of the mains or high voltage power supply wires contacts the chassis due to some kind of fault. The requirements for this ground are spelled out in your state's electrical code. I believe that most states adopt the National Electrical Code (NEC). The safety ground conductor in your wall sockets should be connected to ground according to this code, and your rig's chassis should be connected to the safety ground.

b. **Lightning ground.** The requirements for a ground for lightning protection are much more stringent than for a safety ground as a lot of energy must be safely dissipated.

c. **RF ground.** This is required only for some antennas-- ones which require current flow to ground to complete the antenna circuit. A quarter-wave vertical is a popular example. One wire of the feedline connects to the base of the antenna, and the other connects to ground. The connection to ground has to have a low RF resistance, or you'll expend too much of your power heating the ground. A few radial wires will provide a moderately low loss connection. A ground rod will help a little, but the RF resistance will be high, resulting in quite a bit of loss. Chapter 8 of the ARRL Antenna Book shows the approximate trade between resistance and number of radials. If your antenna is much shorter than  $\frac{1}{4}$  wavelength, you'll need many, many radials to get reasonable efficiency. If it's longer, you can get by with fewer. A  $\frac{1}{2}$  wavelength base-fed vertical needs only a very modest ground, and a ground rod is adequate. The requirements for various other end-fed antennas depend on their length. If you use a "complete" antenna like a dipole or a ground plane (that is, one that doesn't require your feedline to connect to ground), you don't need a RF ground, as long as you keep common-mode currents off your feedline. A "current" or "choke" balun is most commonly used for this.

### **2. How do mobile HF operators get RF grounds? For obvious reasons, the 8-foot buried pole won't work.**

In a typical HF setup, the car is capacitively coupled to the ground, so the antenna is something sort of like a cross between a lopsided vertical dipole (with the whip being one side and the car the other) and a vertical with elevated radial system.

*Roy Lewallen, W7EL, ARRL Technical Adviser*

# DLARC NET QUICK CHECK CALENDAR

December 2022

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 DLARC MEETNG 7:30pm	2	3
4	5	6 VE TESTING 7PM	7 DLARC NET Terry KC3JHT	8 WX3MAS CHRISTMAS STATION	9 WX3MAS CHRISTMAS STATION	10 WX3MAS CHRISTMAS STATION
11 WX3MAS CHRISTMAS STATION	12	13	14 DLARC NET Dave N3EYT	15	16	17
18	19 BOARD MEETING 7:00pm	20	21 DLARC NET AI W3CE	22	23	24
25 CHRISTMAS DAY	26	27	28 DLARC NET George N3SQD	29	30	31



## 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. 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 George, N3SQD at [george@bioserv.com](mailto:george@bioserv.com). 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.

## 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 evening 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 positions 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 to conserve local bandwidth.

# EXECUTIVE COMMITTEE 2022-2023

## OFFICERS

**President** – Doreen Gramling / K3PDL ----- dgramling709@gmail.com  
**Vice President** – Terry Swinney / KC3JHT ----- ldocapt@gmail.com  
**Secretary** – *OPEN*  
**Treasurer** – Larry Butler / KC3JTK ----- lrbutler@ptd.net

## BOARD of DIRECTORS

Gabe Lantos / KZ2A ----- gpl3639@gmail.com  
Dean Guth / AB3BD ----- babydean1@hotmail.com  
Jim Matlack / KC3MKP (Past President) ----- jjmatlack@gmail.com  
John Holmes / N3IGA ----- n3iga@ptd.net  
John Barbaz / NT3P ----- nt3p@arrl.net  
Adam Gauntz / N3LAG ----- agent1@aol.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 Nancy Run Firehouse. 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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**DELAWARE LEHIGH AMATEUR RADIO CLUB INC.**

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