

**DELAWARE-LEHIGH AMATEUR RADIO CLUB Inc.**

***JUNE 2024***

# **W3OK CORRAL**

Club Meeting June 6, 7 PM at the  
Nancy Run Firehouse.  
3564 Easton Avenue, Bethlehem, PA 18020  
Will be also a Zoom meeting.

**June Program**

**SKYWARN**

**By Sarah Johnson - NOAA**



## *MAY MEETING MINUTES*

The General Meeting was held at the Firehouse and on Zoom. The meeting was called to order by the Terry, KC3JHT at 1900 hours.

**Pledge of Allegiances:** Led by Terry.

**President's Report:** None

**Guests:** Michael (no call) and Eric, KC3WER

**Secretary's Report:**

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

**Treasurer's Report:**

Terry, KC3JHT, presented the report for January. A motion by Dean to accept the report. George seconded the motion. All were in favor, motion passed.

**Committee Reports:**

**Membership:** Terry. KC3JHT said there were 104 paid members and 6 Associate members, and 8 Life Members.

**Club Station:** There was an issue with Club Station A which has been remedied.

**Tech Committee:** No report

**Website:** Up and running

**Repeater:** Up and running.

**Old Business:**

Club will be participating in Nazareth Day on 20 July 2024.

Adam will oversee ARRL Field day and we are encouraging all members to attend. VE testing session will be on that Saturday.

**New Business:** None

**Announcements:** None

**Awards:** None

**Adjournment:** There being no further business, the meeting was adjourned at 1916 hours.

**Program:** Designing simple Dipole using EZNEC Software and focusing on using the Nanovna for testing and evaluation.

## **May Program – Designing simple Dipoles**

The goal of this experiment was to develop a strategy for designing, building, and evaluating a dipole antenna with a minimum of trimming meaning getting it right the first time.

Model the dipole length as accurately as possible using EZNEC software.

Cut the dipole wires to the predicted length.

Measure the return loss (SWR) of the antenna using a NanoVNA

Calculate the percentage error.

Traditionally the formula to calculate the length of a dipole antenna is its half wavelength:  $L(\text{feet}) = 468 f(\text{MHz})$ , where 468 is a “constant”.

There were a lot gone over. If anyone wants the program will all the information, feel free to contact me and I will send you a pdf copy of the presentation. Email a request for the presentation and I will email it back to you.

De John, N3IGA

## **MAY VE TEST SESSION RESULTS**

The 4 successful results at the May 4, 2024, DLARC ham licensing session were:

Technician License - Tony Posukonis  
General License - Allan Bevan / N3OTP  
- Scott Steele / KC3YBA  
Amateur Extra - Joe Tomko / KC3WBW

Congratulations to all.

De Bob, KE3AW

## Field Day 2024



ARRL Field Day 2024 is on June 22-23, 2024. It is the most popular on-the-air event held annually in the US and Canada. On the fourth full weekend of June of each year, thousands of radio operators gather with their clubs, groups or simply with friends to operate from remote locations.

Field Day is a picnic, a campout, practice for emergencies, and informal contest and, most of all, it is FUN.

It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, other groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

The contest part is simply to contact as many other Stations as possible and to learn to operate our radio gear in abnormal situations. Just like being in the Field.

We use these same skills when we help with events such as marathons and bike-a-thons, walk-a-thons, provide safety and securities at parades, exhibits at fairs, malls and even museums.

Former ARRL Communications Manager F.E> Handy, W1BDI, is credited with conceiving "International Field Day" in 1933. Although it was not until the following year that he described it as the "test of the emergency availability of portable stations and equipment" we know today.



There is a lot of time put in to prepare properly for Field Day. Everything cannot be done at the last minute. You need to start planning months in advance so that if everything is working, you still have time to do a final check on the radio setup.

The most important thing you will need to do is find a great place to set up for Field Day. Plenty of space, a few close trees, and plenty of parking spaces for those who are going to participate in Field Day and for any people interested in what is going on. That is good for newspapers and TV stations. Need to get the word out about Amateur Radio.

Delaware-Lehigh Amateur Radio Club always have certain members for assorted tasks. George, N3SQD is our Field Day Chairperson who starts getting things started at the beginning of the new year like reserving the site for Field Day. Adam, N3LAG, will be getting the equipment that will be used during Field Day. Terry, KC3JHT, will be getting food together. Dean, AB3BD, will be in charge of Safety. Larry, KC3JTK, will be taking care of antennas. Bob, KE3AW, will be taking care of the VE sessions. There is a lot more tasks like checking generators, advertising, cooking equipment, and much more.

There always a need of helping hands. Need people to help put up antennas and run cable. Need help to set up the radio stations. Once that is all done, then we need the most important job of Field Day. We need operators. Does not matter what level your license is, you can operate. Help with logging in contacts. There is so many small things that need to be done over and over. If you know how to cook, we could use some good cooks for Sunday's breakfast.

The site where the Club will be setting up for Field Day is the Bicentennial Park in East Allen Township. There is a wooden knoll in the park, and we are going to be at the top. To get to the Park, you are likely to get to it from either Weaversville Road or Airport Road. I would suggest Airport Rd. If you take 22 from wherever you are, either east or west like you are wanting to, go to the Lehigh Valley International Airport Rt 987 exit north, get on Airport Road, and continue north past the airport, just keep going. Straight to the 2<sup>nd</sup> light which is Schoenersville Road. Get into lane to make a left turn. Go through next light which puts you on Weaversville Rd. Weaversville Rd to Colony

Drive by Valley Fruits & Veggies on the right. Right onto Colony Drive. Stay on Colony Dr until the first 4-way intersection. Make a left onto Hanover St. Make a left at the 2<sup>nd</sup> road on the right – Liberto Ln. We should have talked in there anyways in terms of getting people there. So, if you got two meters in your car, we would try to talk. There should be signs to show you were to go.

Plan on coming out to Field Day. It is an experience you will not forget too soon. If you have no HF gear, come out and learn how to log contacts. Then asked someone if you could operate. I know that last year they had a station just for operators that are new to the hobby. Plan on a lot of learning especially if you help with setting up. Watch how fast the equipment gets cleaned up and ready to go back to the Club Station. Get your feet wet on HF. After Field Day is over, you can still come over to the Club Station and operate on any Saturday from 9 to Noon or later if needed. Wednesday night is another time you can use the Club Station because the Milkhouse will be open.

If you are interested in helping out, contact the Club President, Terry, KC3JHT. Tell him what you would be interested in doing or learning. For the first timers, everything will be interested. He should be able to help you out or give you contact information of the person that you would be helping to see what his plans on starting on Field Day.

Come out and have fun and learn at the same time. See what Ham Radio is really all about. See and hear operators talk to other States and Countries.

De John, N3IGA

## **DLARC Board Meeting Minutes**

**Monday, April 15**

**7 PM**

100 Gracedale Avenue, Nazareth, PA 18064

A meeting of the DLARC Board of Directors was at the 911 Center with the following in attendance:

**Board Members Present:**

President- Terry Swinney, KC3JHT

Vice President, Dean Guth, AB3BD

Treasurer, Larry Butler, KCC3JTK

John Barbaz, NT3P

Steve Harper, W3NAM

Dave Frankenfield, 3LWY

Ralph Fenner, KC3VII

Doreen Gramling, K3PDL (via ZOOM)

Wayne Westfield – GUEST

**Absent:** Secretary, Doug Wood, K6PGH

Adam Gauntz, N3LAG

**Proceedings:**

**Secretary's Report:** April Minutes Dean AB3BD motioned to accept, Steve W3NAM, 2<sup>nd</sup>, Approved by all

**Treasurer's Report:** Larry, KC3JTK presented the April treasurer's report.

Primary Account Opening Balance (1 April 2024): \$5,717.24

Income: \$16.00

Expenditures: \$717.98

Primary Account Closing Balance (31 March 2024): \$5,164.26

Certificate of Deposit: \$4061.61

Companion Checking Account Balance: \$734.04

Total Club Assets: **\$9,959.91**

Dean, AB3BD motioned to accept, Doreen K3PDL 2<sup>nd</sup> Approved by all.

**New Business:** Nothing new to report

**Old Business:** Discussed Field Day. Dean AB3BD will fill the position of Safety, Larry KC3JTK will do antennas, Adam, N3LAG is oval coordinator with more to come.

**Adjournment:** Meeting adjourned at 1927 hours

Minutes submitted by

Terry Swinney, KC3JHT, President

## **NOTE:**

Due to the Fourth of July falling on the first Thursday of the Month, the DLARC Meeting for July will be on the following Thursday, July 11<sup>th</sup>. Mark your calendars now so you do not forget.

## **SKYWARN PROGRAM**

Sarah Johnson from the NWS Mt Holly, NJ will be presenting another SKYWARN program. If you missed the last one, try to make it this time. With the Tornado that hit Mahanoy City this past week, any information on SKYWARN will be interesting and also learn how to report any incidences.

## **NEWSLETTER ARTICLES**

I am always looking for articles that I think the membership might like. I try to make this Newsletter informative to all Club members. If you think you have something that you would like to share about Ham Radio, feel free to send it to me. If one member likes what you sent, then it was a success. If you have any questions on the hobby, you can send me your questions and I can put them into the Newsletter to see if you can get any help.

The Newsletter is for all members and any information you think that members would like to read, just send it to me to put in the Newsletter.

Any help in this matter will be appreciated.

DE John, N3IGA, Newsletter Editor



# DLARC NET QUICK CHECK CALENDAR

June 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5 DLARC NET KC3JHT Terry	6 <b>CLUB MEETING 7 PM</b>	7	8
9	10	11	12 DLARC NET N3EYT Dave	13	14	15
16	17 <b>BOARD MEETING 7PM</b>	18	19 DLARC NET W3CE AI	20	21	22 Field Day VE testing
23 Field Day	24	25	26 DLARC NET N3SQD George	27	28	29
30						

## 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, then 13 net controls would be ideal, and 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 needed 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 take part 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 147.135 + DPL 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 2023–2024

## OFFICERS

**President** – Terry Swinney / KC3JHT ----- Idocapt@gmail.com

**Vice President** – Dean Guth / AB3D ----- babydean1@hotmail.com

**Secretary** – Doug Wood / K6PGH ----- dwood72679@sbcglobal.net

**Treasurer** – Larry Butler / KC3JTK ----- lrbutler@ptd.net

## BOARD of DIRECTORS

Ralph Fenner / KC3VII ----- rafshop@hotmail.com

John Barbaz / NT3P ----- nt3p@arrl.net

Adam Gauntz / N3LAG ----- agent1@aol.com

Dave Frankenfield / N3LWY ----- mycallsign@gmail.com

Steve Harper / W3NAM ----- sharper3152@gmail.com

Doreen Gramling / K3PDL (Past Pres.) ----- gramlingda22@myyahoo.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 PM at the Nancy Run Firehouse. TALK IN ON 146.700 (PL 151.4)

Club Station Telephone Number **484-291-1527** Email Address – [W3OK@arrl.net](mailto:W3OK@arrl.net)

**THE W3OK TRUSTEE --- Barry Vogt / N3NVA**

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