DELAWARE LEHIGH AMATEUR RADIO CLUB Inc. NOVEMBER 2013

W3OK CORRAL

Club Meeting November 7th, 7:30PM At the Bethlehem Township Community Center

NOVEMBER MEETING PROGRAM

" CW And Ham Radio in the Movies "

Brad / W3JXQ

OFFICERS 2013 – 2014

President – Jay Mason / N3OW
Vice President – Dave Blankenship / N3EYT
Secretary – John Barbaz / NT3P
Treasurer – Mike Gower / KB3LOD

BOARD of DIRECTORS

Dick Schaeffer / KB3ALG Ron Hontz / K3BKT Dave Mellman / KA3IWC Charlie Lazarchak / W3OPA Stephanie Koles / WX3K Steve Harper / KB3WYJ

FROM YOUR PRESIDENT'S SHACK

Hello,

My name is Jay Mason and my call is N3OW. I have been a Ham since 1979 and my original call was KA4OWW. I got my Tech ticket at the Orlando Hamfest in 1982. I was very active on the VHF bands. I received my general ticket when the FCC did away with the CW requirement. Shortly after that I up graded to Extra. I am a contester and a Dxer, I also enjoy playing with the various digital modes. I enjoy other activates including hunting, fishing and working with Bella my French Brittany Spaniel. I am an operator at the NE3F contest station. I keep the computers up and working.

Professionally, I am an Instrumentation Technician/ Laser Technician. I have worked for Pratt & Whitney in West Palm Beach FI, Cordid a J&J company in Miami Lakes then continued in Warren Township, NJ, a short time at Kraft in Lehigh Valley and currently work at Victaulic in Forks Township.

Things I would like to see for DLARC: Being involved in the Amateur Radio Community at large Continue our community service activities, which is a great part of this club—I would also like to see if, as a club, we could turn in some decent aggregate scores for DLARC into the upcoming contest season. I would like to see our continued outreach to promote Amateur Radio in the Leigh Valley.

If you have any ideas please contact me or any of your board members.

OCTOBER MEETING MINUTES



The general membership meeting of the Delaware Lehigh Amateur Radio Club inc was held at the Bethlehem Township Community Center on October 3rd, 2013.

Call to Order: A general membership meeting of the Delaware-Lehigh Amateur Radio Club Inc. (the Club) was held on

October 3, 2013, at the Bethlehem Township Community Center located in Bethlehem Township, Pennsylvania. Charlie

Lazarchak / W3OPA, President, called the meeting to order at 1931 hrs.

Pledge of Allegiance: Led by Charlie / W3OPA

Annual Club Election: Charlie / W3OPA announced the annual election would begin and read aloud the names of the candidates asking each to stand. Charlie provided voting instructions to the members and the ballots were passed out.

Approval of the Minutes: Charlie / W3OPA asked for a motion to approve the minutes of the last meeting.

Motion: It was moved by Dave / N3EYT, second by Bob / KB3ULG to approve the minutes as presented. **Motion carried. Approval of the Treasurer's Report:** Mike / KB3LOD presented the Treasurer's Report.

Motion: It was moved by Alan / W2MV, second by Dave / KA3WIC to approve the Treasurer's Report as presented. Motion carried.

Visitors/Guests Present: Mike / KA3MVN, Don Treichler/no call and Bill Contolito/no call.

Membership Report: George / N3SQD reported that there were no applications for membership this month.

Club Station Report: Al / W3CE reported that there were no problems or issues and encouraged those who could to come out to the club station on Wednesday nights.

VE Test Session: George / N3SQD reported there will not be a VE session this month.

Licensing Classes: Bob / KE3AW reported that both the Technician and General sessions are about half over and there has been only a little attrition of the attendees.

Emmaus Halloween Parade: Bob / KE3AW advised that the Emmaus Halloween Parade is on October 19. As has been the past practice, those who participated last year will be given the first opportunity to participate this year. Bob asked that anyone who is interested in providing radio communications for the event to see him as there is always a need for standby operators in case someone has to drop out. Please see Bob if you are interested in the event.

Black Bear Century Bike Ride: Ben / KB3CTX reported if the Federal government is still shut down on Wednesday October 9, the ride will be canceled. Ben advised that at this time, however, we have to continue to plan the event will take place on October 12 and asked anyone interested in working the event to see him. Ben will provide additional information at next Wednesday night's net.

Program Chair: Charlie / W3OPA reminded everyone that Doreen / K3PDL volunteered to be Program Chair for next year. If you would like to make a presentation on a topic of general interest, recommend a speaker, or suggest a topic, please contact Doreen.

Newsletter Circulation Manager: Charlie / W3OPA reminded everyone that Paul / N3YNT is the newsletter circulation manager responsible for the distribution of the electronic version of the Club Newsletter with Pete / NL7XM sending out the hard copy version.

Bethlehem Township Community Center Lobby Restrictions: Charlie / W3OPA reminded everyone that the community center management would like us to refrain from entering the building until 7:20 or until the preceding group have left the room. This has not been an issue during the spring and summer, but with fall approaching everyone was reminded that the community center management does not want us congregating in the lobby near the meeting room door before then as it hinders others entering or leaving other activities in the Center.

Upcoming Programs: Charlie / W3OPA reported that the presentation Ham Radio in the Movies will be after November's meeting and the annual holiday party will be after December's meeting (December 12).

Website: Brad / W3JXQ reported there were no problems reported. Al / W3CE advised that the latest issues of the newsletter were not up on the website.

- **Lehigh Wheelman's Gap Gallop:** Al / W3CE reported the Club's participation in providing radio communications for the Gap Gallop. Al reported that the turnout was great; we had people at all the stops and sag wagons. Al read a letter he received from the Lehigh Wheelman Association. The Wheelman thanked the Club for providing radio communications and is looking forward to the Club providing radio communications for next year's event. The letter included a donation of \$200 to the Club as a token of their appreciation.
- Club Station Availability For the Pennsylvania QSO Party: Bob / KE3AW asked if the club station would be operating during the Pa QSO Party. It was not known definitively if the club station would be operating, but further information would be provided during Wednesday night's net.
- Christmas City Special Event Station WX3MAS: Jon / NJ3I announced the Christmas City Special Event Station WX3MAS will be in operation at the Milk House on Saturday December 14 and Sunday December 15 from 9 am to 6 pm on both days. Saturday's featured dish will be turkey. The station will be operating on various modes and on a number of bands. Last year's event was a great success and everyone who operated or just stopped by had a good time. A sign-up sheet was passed around.
- Runner's World Event: Al / W3CE reported he was contacted by *Runner's World* 5k, 10k, and half marathon in Bethlehem on Saturday October 19 and Sunday October 20. Al has already made a commitment to Jamboree-on-the-Air for the Boy Scouts. If there is interest, someone else will have to lead the Club's effort. Al did advise that during last year's event there was a large presence of City and County Public Safety personnel stationed along the course that could provide communications if there was a problem. Al asked if there was anyone interested in running the event. Hearing no responses, Al will contact Runner's World to let them know the Club will not be able to assist them for this year's event.
- New Business: Charlie asked is there is any new business or questions for the Board.
- **AM Broadcast Band Filter:** Pete / NL7XM asked, on behalf of Bill/W0RSJ, if anyone had an ice filter for the AM broadcast band that Bill could borrow for a few days. Bill is trying to tune an antenna; however, a powerful local broadcast station is interfering with his measurements. Pete has Bill's contact information if anyone has such a device.
- Assistance with Tower: Charlie / W3OPA asked, on behalf of Rob / AB3RC, for assistance from anyone with tower experience to help take down an antenna and tower. The antenna and tower is for someone currently in the licensing class.
- Bull by the Horn Certificates: Charlie / W3OPA wished to personally thank George / N3QSD, Pete / NL7XM, and Dave / N3EYT for their assistance when family obligations and business commitments restricted his involvement with Club activities. Charlie explained the importance of recognizing and acknowledging outstanding efforts and significant contributions a member has made towards the Club. The complete list of this year's recipients are: George / N3QSD, Pete / NL7XM, Dave / N3EYT, Paul / N3YNT, Barry / N3NVA, Don / KA3JWE, Chris / NU3L, Elixander / AC7HU, Blair / K3YD, Bill / W0RSJ, Jay / N3OW, Doreen / K3DPL, Dave / NB3R, Ben / KB3CTX, AI / W3CE, Bill / NC3P, Brad / W3JXQ, Jon / NJ3I, Don / KC3II, Bob / KA3AW and Paul / N0KIA. Charlie also recognized Joe / WI2E as the member with the highest score in the 2012 Pa QSO party with a score of 177,280 points.
- Name tags for Life Membership Plaque: Al / W3CE asked about the missing names on the Life membership plaque.

 Charlie / W3OPA acknowledged that he was behind on this and a few other award items and the he will endeavor to get these completed shortly

(From 2008 hrs to 2015 hrs there was a pause of formal business while the counting of the votes was completed.)

Club Officer and Director Election Results: Charlie / W3OPA thanked all of the candidates for their participation and announced the results of the election. The new Club officers and directors are:

President: Jay Mason / N3OW Dave Blankenship / N3EYT Vice President: Secretary: John Barbaz / NT3P Mike Gower / KB3LOD Treasurer: Dick Schaeffer / KB3ALG Director: Director: Ron Hontz / K3BKT Director: Dave Mellman / KA3IWC Stephanie Koles / WX3K Director:

Director: Steve Harper / KB3WYJ

Adjournment: There being no further business before the Club, Charlie / W3OPA asked the new president to adjourn the meeting. The meeting was adjourned by Jay / N3OW at 2020 hrs.

Respectfully submitted by John / NT3P, Secretary

NOVEMBER CONTESTING AT THE OK CORRAL



NOVEMBER 2 & 3 – Ukrainian DX Contest NOVEMBER 9 & 10– OK/OM DX Contest - CW NOVEMBER 16 & 17 – ARRL Sweepstakes Contest - SSB NOVEMBER 23 & 24 – CQ World Wide DX Contest – CW



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



OCTOBER BRAINTEASER ANSWER Dreamt



The winner is Bob / KE3AW

NOVEMBER BRAINTEASER

What is the longest word typed only with the left hand?

NOVEMBER QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3 Re-Set Your Clocks	4	5 D-Star Mid – Atlantic 7:30 PM	6 DLARC Net (K3PDL)	7 DL ARC MEETING	8 VE SESSION 7:00 PM	9
10	11	12 D-Star Mid – Atlantic 7:30 PM	13 DLARC Net (KB3WYJ)	14	15	16
17	18	19 D-Star Mid – Atlantic 7:30 PM	20 DLARC Net (NB3R)	21 DLARC BOARD MEETING	22	23
24	25	26 D-Star Mid – Atlantic 7:30 PM	27 DLARC Net (W3CE)	28	29	30

THE AMY ZIMMERMAN AWARD

Each March in Memory of **Amy Zimmerman / KD3TI**, the DLARC Executive Committee seeks to present The Amy Zimmerman to an amateur radio operator "In **Appreciation For Unselfish Services Rendered To Amateur Radio And The Community**" The Executive Committee would like your input into this process by having you nominate an amateur radio operator who has exhibited these traits though out this past year. If you would like to nominate someone, please give their name to one of the board members by the January 2013 general meeting.

CHRISTMAS CITY SPECIAL EVENT STATION

Again this holiday season, the DLARC special event branch, "The Christmas City Station" will be on the air. Over the weekend of December 14th and 15th, 9AM to 6PM daily, from the Milk House with the call of WX3MAS. This our way of celebrating Christmas and wishing other hams around the world a "Merry Christmas" from the twin Christmas Cities of Nazareth and Bethlehem. Jon / NJ3I will again chair this event and is looking for support from the general membership. Operators will be needed man the radios during the on air period. Jon did a good job last year, but volunteers are needed to continue our tradition. Jon also has said that there will be a holiday dinner Saturday evening and left overs for Sunday plus any Christmas goodies you would like to bring. A sign up sheet will be available at the is meeting and also at the December meeting.

NOTICE<> NOTICE<> NOTICE

We are enjoying our superior new Meeting quarters, but for that reason, it is also a very popular venue for many other groups. To reduce congestion as other scheduled activities end and folks try to exit, we have been politely asked to refrain from entering the lobby before 7:15. Your strict consideration is appreciated. With the nicer weather, a pre-meeting get together can be had in the pavilions near the parking lot area.

BULL BY THE HORNS CERTIFICATES

Charlie explained the importance of recognizing and acknowledging outstanding efforts and significant contributions a member has made towards the Club. The complete list of this year's recipients are: George / N3QSD, Pete / NL7XM, Dave / N3EYT, Paul / N3YNT, Barry / N3NVA, Don / KA3JWE, Chris / NU3L, Elixander / AC7HU, Blair / K3YD, Bill / W0RSJ, Jay / N3OW, Doreen / K3DPL, Dave / NB3R, Ben / KB3CTX, Al / W3CE, Bill / NC3P, Brad / W3JXQ, Jon N J3I, Don / KC3II, Bob K A3AW and Paul / N0KIA. Charlie also recognized Joe / WI2E as the member with the highest score in the 2012 Pa QSO party with a score of 177,280 points.

VE TEST SESSION

There will be a test session this month on November 8th at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact George / N3SQD at george@bioserv.com or AI / W3CE at w3ce@arrl.net

BLACK BEAR 100 MILE BIKE RUN

Due to the government shut down the Black Bear Bike Run was canceled. Ben / KB3CTX would like to thank those members who volunteered for this event.



HAPPY THANKSGIVING



Software Defined Multi-Mode Radio Receiver for \$20



For this specialized piece of equipment you will not be familiar with the manufactures nameplates as they are not your popular amateur radio companies such as Alinco, Kenwood, Yaesu, Icom, JRC, MFJ or WinRadio.

To date there are three company manufacturers; Ezcap, Compro and Terratec, along with other no brand clones

These devices are used in western Europe to watch terrestrial Digital Video Broadcasting (DVB-T) since 1998. They are useless in North America as we use a different standard called Advanced Television System Committee (ATSC) for digital transmission over terrestrial, cable, and satellite networks. The point here is - they can be adapted for Software Defined Radio (SDR) for amateur radio for the 6 (50 MHz), 2 (144 MHz), 1.25 (222 MHz), 70 cm (420 MHz), 33 cm (902 MHz), and 23 cm (1240 MHz) on some models.

There are two major chip sets built into the STL-SDR dongle; RF silicone tuner and the DVB-T COFDM (Coded Orthogonal Frequency-Division Multiplexing) demodulator. These 2.75" (L) x 1.0" (W) x 0.5" (H) 0.7 ounce dongle (stick) devices connect to your computer via the USB 2.0 port of your computer.

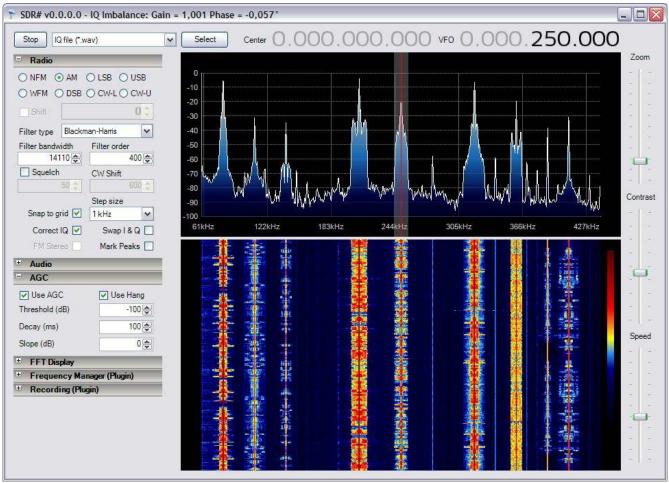
The Elonics, a global leader in RF technology headquartered in the United Kingdom since 2003. This company has a E4000 multi-standard CMOS terrestrial RF silicon tuner designed to interface directly to a digital demodulator, and contains a fully integrated LNA, programmable RF filter, and RF mixers providing superior real world performance.

Front end tuner covers the frequency range from 64 - 1700 MHz. However, reports have confirmed they can be made operable from 50 - 2200 MHz with a 150 MHz gap from 1100-1250 MHz on some models.

Heart of the E4000 is a innovative Digital Tune architecture, which allows the user to adjust the performance of the tuner for optimum linearity or noise figure according to significantly improve reception quality.

Demodulator is a Realtor RTL2832U high-performance DVB-T COFDM that supports a USB 2.0 interface that supports 8 MHz bandwidth at IF (Intermediate Frequency) at 36.125 MHz, low-IF at 4.57 MHz, or Zero-IF output using a 28.8 MHz crystal, and includes FM/DAB/DAB+ Radio Support. Embedded with an advanced ADC (Analog-to-Digital Converter), the RTL2832U features high stability in portable reception.

State-of-the art tuner features proprietary algorithms including superior channel estimation, co-channel interface rejection, long echo channel reception, and impulse noise cancellation, and provides and ideal solution for a wide range of applications for PC-TV, USB dongle and Mini Card/USB, and embedded system via USB interface.



The SDR/GUI (Software Defined Radio/Graphical User Interface) application software needed is called SDR# (pronounced as SDR Sharp) was authored by Yousseff Touil and written in C# programming language. It is being offered as freeware (donation supported) for non-commercial, educations use. This software is a high performance fully featured SDR capable of handling sample rates from kHz level sound cards up to multi-hundred MHz dedicated samplers, thanks to it's multi-core architecture. Application can demodulate NFM, AM, LSB, USB, WFM, DSB and RAW modes.

What makes this SDR fun to use are the two Fast Fourier Transformation (FFT) display modes - Spectrum Analyzer and Waterfall. FFT is a clever algorithm which can be used to transform a signal from the time domain into the frequency domain.

Youssel's website is http://www.sdrsharp.com. Feel free to ask questions on his web page, SDR# Yahoo! group or #sdrsharp@freenode.

If you need a video tutorial for the installation process you can watch David's, AF5DN Youtube here.

http://www.youtube.com/watch?v=MFqBj8gV0k4

Here is another Youtube video from Andy, M6PNP in Wiltshire, UK performing a RTL-SDR 2 meter band scan. http://www.youtube.com/watch?v=YjqBn-LEx9Y

de Mike Schaffer / KA3JAV

REDNERS' SUPERMARKETS SAVE-A-TAPE PROGRAM

Here's how it works:

Redner's has a terrific program to support the Club **AT NO COST TO THEM**, if our members simply sign up for a Gas Card that records their shopping points, and give their cash register receipts to, **Pete / NL7XM**, He'll do the rest.

Note: This does not affect your gas points in any way.

HELP THE ENVIRONMENT

Donate your old, empty printer ink cartridges to the Club for recycling. Any brand, model, size or shape; color or black. Please bring them to the meeting in a leak proof ziplock type baggie and give them to Pete / NL7XM. This simple act can help your Club by reducing recurring expenses, and make you feel a lot better about our environment.

OCTOBER MEETING PHOTOS OF NEW OFFICERS AND AWARD WINNERS

























MEMBERSHIP DUES ARE DUE!

It's that time, already! DUES are payable for the calendar year 2014. 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. are the preferred 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. 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 February 1st, your membership will expire.

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

THE DLARC FORUM

A few years ago the Executive Committee established an electronic mailing list for D.L.A.R.C. Members and friends to provide an easy way to disseminate information on a timely basis. This mailing list is called the "DLARCforum" and all club members with email capability are welcome to join.

Joining the list is easy, just go to this website : http://mailman.qth/mailman/listinfo/dlarcforum and fill in the appropriate boxes. Instructions for the subscription process are available on the page. If you don't have internet service, but do have email service you can still subscribe by sending a subscription request directly to the list administrator, ka3jwe@arrl.net.

The DLARCforum is a "closed" list which means only subscribers can post messages, so your mailbox won't be filled with junk mail from unknown sources. The list uses a "text only" format which means, that only messages in plain text are passed. Messages received in HTML are filtered and stripped of any formating before being sent out to list subscribers. The list will not accept or pass attachments such as files and pictures. This is done to eliminate the possibility of spreading any type of computer virus or other harmful programs. The forum is an "un-moderated" list, which means that there is no moderator screening messages before they are passed on.

Since its beginning, the volume of messages on the DLARCforum has been relatively low compared to other similar mailing lists. So don't worry your your inbox won't be overflowing with messages if you subscribe. There is also the ability to configure your preferences for the list to your personal liking.

So, please consider joining the list if you're not already subscribed. You'll be better informed about current club activities and also have the knowledge and experience of over half the membership at you disposal. Anything you want to know, all you have to do is ask!

de Don / KA3JWE List administrator

F.Y.I.

The December Program will be the Annual DLARC Christmas Party.

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.

The EASTERN PENNSYLVANIA District 2 ARES Net meets every Wednesday at 1930 hours local time. (Just after the DLARC Net) On 147.255 (pl 162.2). And linked to 449.375 on Blue Mountain, 443.350 in Allentown and 147.180 in Berks County.

QCWA Chapter 17 holds a net Monday evenings at 8:30 PM on 3960 +/- depending on conditions.

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.

The Clubhouse telephone number is 484-895-7038.

EXECUTIVE COMMITTEE 2012 – 2013 OFFICERS

Vice President - Dave Blankenship / N3EYT -	president@dlarc.org						
Secretary – John Barbaz / NT3P	secretary@dlarc.org						
Treasurer – Mike Gower / KB3LOD	treasurer@dlarc.org						
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Charlie / Lazarchak / W3OPA	w3opa@snycomp.com						
Steve Harper / KB3WYJ	sharper3152@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)

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

The W3OK Corral is published monthly and is the Official Publication of the DELAWARE LEHIGH AMATEUR RADIO CLUB INC.

14 Gracedale Avenue Nazareth, Pa. 18064-9211

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 147.370 (167.9) W3OI Repeater.

THE NEWSLETTER STAFF

Editor – Don Holmes / KC3II	editor@dlarc.org
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