

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

OCTOBER 2020



W3OK

CORRAL

**Club Meeting October 1st, 7:30PM
Via ZOOM**

OCTOBER MEETING PROGRAM

“ Club Elections and Awards”

John / NT3P & Terry / KC3JHT

SEPTEMBER PROGRAM



**“ LINUX FOR HAMS “
George / N3SQD**



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OCTOBER QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 DLARC MEETING 7:30 PM	2	3
4	5	6	7 DLARC Net (KC3MKP)	8	9,	10
11	12 Columbus Day	13	14 DLARC Net (W3CE)	15	16	17
18	19	20 DLARC BOARD MEETING	21 DLARC Net (KC3II)	22	23	24
25	26	27	28 DLARC Net (N3SQD)	29	30	31 Halloween

OCTOBER CONTESTING AT THE OK CORRAL

- October 3 & 4 – Oceania DX Contest – Phone
- Russian WW Digital Contest
- October 10 & 11 – **PA QSO Party**
- Oceania DX Contest - CW
- October 17 & 18 – Asrsucaria WW VHF Contest
- Worked All Germany
- October 24 & 25 – CQ WW DX Contest - SSB
- October 31 & 1 – Russian WW Multimode Contest
- UK/EI DX Contest – SSB
-

W3OK CLUB STATION

Better known as the “Milkhouse” the W3OK Station is closed until further notice.. Our repeater 146,700 is always on ... So just call W3OK and check.

de Steve / NS3L

WEDNESDAY EVENING DINNER CLUB

The Wednesday Evening Dinner Club is on hold until further notice due to the COVID-19 Pandemic. Listen to the nets and watch the Forum for the latest information on our get together.

SEPTEMBER MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on September 3, 2020 via a Zoom video-conference.

President Stephanie Koles / WX3K called the meeting to order at 7:00p.m. with 31 members online.

President's Report: Stephanie opened the meeting explaining the Club's website hosting subscription is expiring in October, and the Board has decided to move in another direction. Stephanie said the current hosting platform has many problems as our Webmaster Rich / WC3T has explained. Stephanie said the new website is being constructed by Larry / AB3TY. Wordpress is the platform which will allow greater flexibility in posting items such as the newsletter, pictures, and meeting minutes. Stephanie said that most of hamfests have been cancelled but Mullica Hill in southern New Jersey will be held on September 13. Stephanie said there will be the VHF QSO Party, 50mhz and above September 12-14. The Club will participate with the PA QSO Party, October 10-11, from our own home stations and contribute to the Club's score. She added that W3OI is currently conducting on-air tech activities primarily for their Club, but anyone can join in. Stephanie said the Club is in need of a Program Chair for 2020-2021.

Announcements: None

Secretary's Report: Larry / AB3TY, announced the Minutes for the August 2020 General Meeting. Dean / AB3BD motioned to accept. It was seconded by Adam / KC3OJA and so moved.

Treasurer's Report: Mike / KB3LOD, reported on the Club's financial status for July 2020. Adam / KC3OJA motioned to accept. It was seconded by Dean / AB3BD and so moved.

Committee Reports:

Membership: Membership Chair Terry / KC3JHT reported there are currently 172 total members: 153 paid; 10 associates; and 9 life members. Terry said if any member would like to nominate another member for an award to contact him as soon as possible as October is not far away. He asked for information on Field Day and those who participated at the station setup at the National Museum of Industrial History. Bob / KE3AW said the logs for the station are in the Milkhouse archives.

Club Station: Stephanie said there is an insect infestation of carpenter bees and ants. In addition, a bird had accessed the building via one of the antenna tubes and had built a nest which was removed by Steve / NS3L. The new security system is being deployed.

Elections: John / NT3P said he needs members to run for positions. Currently, John has Steve / W3NAM for either vice-president or a director; Dean / AB3BD as a director; Gabe / KZ2A as a director; and Steve / NS3L as a director. Larry / KC3JTK is expected to be the new Treasurer. John said there is a need for president, secretary, and 2 directors.

Tech Committee: Al / W3CE reported no issues. George / N3SQD reported that there is a plan to repair the rotator. Due to the Covid-19 restrictions, the date will not be announced. George said he will report when the repair is completed.

Website: No Report

Repeater: No issues.

Presentation: George / N3SQD—"Linux For Hams"

Adjournment: There being no further business, the meeting was adjourned at 7:38 p.m.

FCC RELEASES PROPOSAL FOR NEW FILING FEES STRUCTURE

NEW FEES FOR HAM RADIO

On Wednesday, the FCC released a Notice of Proposed Rulemaking (NPRM) in MD Docket 20-270 which implements portions of the Repack Airwaves Yielding Better Access for Users of Modern Services Act of 2018 (or RAY BAUM'S Act), which gives the FCC statutory authority to collect application fees. As a part of the Act, the FCC is required to switch from a fee structure mandated by Congress 20 years ago to a new cost-based system. This change will result in some fees being reduced and in some cases, such as the Amateur Radio Service, new fees are being added.

Proposed new fees for Amateur Radio and reduction in GMRS fees

Section 8 of the RAY BAUM'S Act does not provide any kind of statutory exemption for filing fees in the Amateur Radio Service, which, historically has had no filing fees. Citing the costs involved in the automated processes, routine maintenance of the Commission's Universal Licensing System (ULS) and limited instances where staff needs to be involved in the application process, the FCC is proposing an across-the-board fee of \$50 for new and modified licenses in the personal radio services, which includes Amateur Radio and the General Mobile Radio Service (GMRS). For GMRS, this is a reduction of the current \$70 fee. The FCC also proposes these fees for license renewals and requests for vanity call signs, the latter which had its filing fee eliminated several years ago. The FCC is proposing to still not charge for administrative updates, such as mailing address changes on amateur or GMRS applications. Amateur Radio will remain exempt from annual regulatory fees under Section 9 of the RAY BAUM'S Act.

Commenting on the changes

Once the NPRM is published in the Federal Register, filing deadlines for comments and reply comments will be established. Those dates will be announced by the FCC in a separate Public Notice. Comments will be accepted in the FCC's Electronic Comment Filing System under proceeding **20-270**.

A copy of the NPRM, which includes the proposed fee structures, can be found **here**. REC is still evaluating the NPRM and is not prepared to make a position statement, but plans to do so in a subsequent news release.

The RAY BAUM'S Act is part of Public Law 115-141 and can be found in [this PDF Document](#) starting on page 734 (Division P). The relevant part of the law starts on Page 736, under Section 8.

FCC APPLICATION FEE PROPOSAL PROCEEDING IS OPEN FOR COMMENT

Comments are being accepted on the Notice of Proposed Rulemaking (NPRM) in MD Docket 20-270, which proposes application fees for radio amateurs. Formal deadlines for comments and reply comments will be determined once the NPRM appears in the Federal Register.

Comments may be filed now, however, by using the FCC's Electronic Comment Filing System (ECFS), located at <https://www.fcc.gov/ecfs/filings>, and posting to MD Docket No. 20-270. The docket is already open for accepting comments, even though deadlines have not yet been set.

The NPRM can be found online in PDF format at <https://docs.fcc.gov/public/attachments/FCC-20-116A1.pdf>

PENNSYLVANIA QSO PARTY 2020

October 10th and 11th are the dates for the 2020 PA QSO Party. As in the past the DLARC is hoping to regain its position as the number one club in the state. Now is the time to check your station, logging system and antennas, so you are prepared for the party. The Norm Zoltak / K3NZ award for the highest scoring single operator station will be awarded again this year.

The Party sponsors, the PA QSO Party Association are sponsoring party. 2020 rules are available at paqso.org. There will be two bonus stations this year: K3MJW and W8XK.

THE DLARC K3NZ PAQSO AWARD

This award is named in honor of Norm Zoltack, K3NZ and will be awarded to the club individual earning the highest score in the club during PAQSO party. Norm was a super contester and a guiding force in his 40 plus years with the

Requirements:

1. You must be a single operator.
2. You must apply your score to the DLARC's aggregate.
3. Portable, mobile, rover and home operations count.
4. You can operate from any county.



MEETING PROGRAM CHAIRMAN

The DLARC is still in need for a General Meeting Program Chairman. Someone who can plan and organize programs for each monthly meeting, beginning in January 2021. This chairman can select a committee to assist him and can get ideas from his committee and the general membership. Ideas from the general membership, will enable the Chairman and his committee to get an understanding of what subjects would be of interest to those attending the meetings. Subject matter does not have to be amateur radio related, but just of interest in general. If you are interested in volunteering for this position, contact any member of the Executive Committee.

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

SEPTEMBER BRAINTEASER ANSWER

“ 1) – F 2) – d 3) – e 4) – c 5) – a 6) – g 7) – h 8) – b”

The winner is **Dave / N3EYT**

OCTOBER BRAINTEASER

I am heavy and hard to pick up,
but backwards I am not.
What am I?



EMMAUS HALLOWEEN PARADE – 2020

The Emmaus Halloween Parade has been canceled for this year, due to the COVID 19 Virus. It joins the ranks of all parades in eastern Pennsylvania, who's management feel that there is too much risk. So be ready for next years parade.

Bob / KE3AW

REFLECTION FROM THE PAST



**Bill / K3ANS (SK) Presenting a program on 160 Meters
February 2009 Meeting Program**

SEPTEMBER MEETING PROGRAM

“LINUX FOR HAMS”

George / N3SQD

Linux has its roots in Unix, a project that had the goal of developing a robust multi-user operating system. Unix developed out of the Bell Laboratories' Computer Sciences Research Center. The developers working on were interested in building a multi-user operating system. Ken Thompson and Dennis Ritchie, continued working with the project's core principles. In 1972-3 they made the decision to rewrite the system in C, which made Unix uniquely portable: unlike other contemporary operating systems, it could both move from and outlive its hardware. Unix raised important questions for developers, but it also remained proprietary in its earliest iterations. It is free and open-source by a community of developers.

Linux is mature stable user controllable, with updates available, memory efficient and has a large base of open source applications. The main thing is that it is free. Linux browsers give you multiple desktop environments like office, word processors and spreadsheets. Plus GIMP photo editor.

What limits as available for hams is blogging, satellite prediction, digital modes, weak signal digital modes, slow scan TV. Also can track high-frequency propagation, antenna modules and packet reporting.

To get started with limits all you need is a computer that is less than 20 years old. Everything you will need is to add the various elements that you want to be part of your system. On the Internet there is available just about anything you would want to add to your system. And remember everything is free. If you have experience with Windows 10 or similar operating systems the change over to Linux is not too difficult. However if you feel you do not have the necessary skills an Elmer it is recommended.

George ended the program with the usual question-and-answer session. And George the fine job in answering the many questions that came up. Again if you missed this program, you don't know what you missed!

YOU MIGHT BE A NO-THEORY TECHNICIAN IF:

- ...You think that "balun" is pronounced "balloon" - and show a QST ad about a kilowatt helium-filled balun to prove it.
- ...You think that the Ten-Ten club is a Bo Derek fan club.
- ...You think that WWV stands for "World War 5."
- ...You turn on the BFO, but assume it's not working because there's no disco beat.
- ...You get angry with another CW operator after hearing what sounds like SO LID COPY.
- ...You take your two meter transceiver back to the store because it only has one meter.
- ...You think that an "antenna feedpoint" is a barbecue at a tower raising party.
- ...You think that "high SWR" is a bad antenna on a tall building.
- ...You think that "reflected power" is when a weightlifter looks in a mirror.
- ...You keep looking for the LED on the zeppelin.

...You think a "transmatch" is a dating service for cross-dressers.
...You go to the library looking for "Hooked on Phonetics."
...You read a sex manual to tell the difference between male and female connectors.
...You think a "thyristor" is a resistor with a thyroid problem.
...You think "corona discharge" is drinking a bottle of beer.
...You keep saluting your "soldiering" iron.
...You think that ARES is a Greek god or a constellation.
...You think that Army MARS is somehow connected with Area 51.
...You try to use your Halo antenna mounted on your head.
...You ask why a Faraday shield is used to keep Faradays out.
...You wonder why a tank coil isn't inside a tank.
...You keep trying to coax your Coax.
...You say, "QRZ the frequency" and you think you hear the frequency answer.
...You recommend a good veterinarian to the guy calling "CQ Dog X-ray"
...You don't understand why the RACES drill isn't held at the race track.
...You bring a model ARES rocket to the ARES drill.
...You ask Net Control how his fishing is going.
...You think Zulu Time is an African time zone.
...You think Greenwich Mean Time is when you've offended a British operator.
...You think tropospheric ducting should be fixed with duct tape.
...You try to refill a capacitor's electrolyte with Gatorade.
...You think a PL-259 is a 259 cycle subaudible tone.
...You won't use a UHF connector on VHF or HF because it's only for UHF.
...You think a reactance modulator is a ham yelling into his microphone after coming in contact with a hot soldering iron.
...You believe that a Simulated Emergency Test is a simulation of an emergency test or a test of an emergency simulation.
...You hear about repeater desensitization and you wonder what kind of TV violence it has been exposed to.
...You think "packet radio" is a handheld sealed in a foil pouch.
...You ask a woman named Crystal if you can be her oscillator.
...You think a phasing harness is a weapons holster from Star Trek.
...You ask your doctor if skin effect is caused by anthrax.
...You think a delta loop is part of a faucet.
...Your radio kit manual says "When soldering PC boards, make sure you have no shorts" and so you take off your pants.
...Your radio's synthesizer is locked, but you keep looking for the key.
...You can find your control head, but you wonder where the tail is.
...You think "dielectric" means death in the electric chair.
...You have to hike into a field to use your field strength meter.
...You reset your GMT clock for daylight savings time.
...When told your SSB signal is splattering, you go get a napkin.
...You look for your antenna radiation pattern in a sewing magazine.
...You measure your antenna with an ohmmeter to see if it's 50 ohms.
...You use a Geiger counter to check FCC radiation exposure compliance.
...You think some guy named "R. F. Burns" is stalking you.
...You think a Megacycle is the new Harley-Davidson.
...You think PSK31 is an upgrade from PSK3.0
...You can't tell a Yaesu radio from a Yuasa battery.
...You think that single sideband is only for operators who are single.
...You can't get your Echolink working because you can't hear an echo.
...You think that diversity reception means painting one receive antenna black and the other white.
...You see duplexer cavities and think they're tanks full of gas about to explode, and you run like hell.
...You think a "T" connector will never match up with an "N" connector.
...You think coil slugs are spiral shaped slimy garden creatures.
...You try to trim a trimmer capacitor with scissors.
...You think test probes are only used by aliens.
...You stay out of the sun, afraid that you'll get sunspots.
...You think antenna traps are used to catch antennas.
...You think toroids are like hemorrhoids, but on your toe.
...You wonder why rubber ducky antennas aren't yellow.
...You insist on having to use a collinear antenna with a linear amp.
...You think that Solar Flares are shot from flare guns by people stranded on the sun.
...You like heterodynes, but you are afraid you'll run into a homodyne.
...For the same reason, you like white noise..
...You think the F-layer was created by dropping an F-bomb.
...You think Bluetooth is a new toothpaste.
...You call it a "bit error" when you bite your tongue.
...You think you've broken Ohm's Law, and you're going to wind up in Circuit Court being charged by a capacitor.

... Same with regard to Kirchoff's Law, but it involves vodka.
... You think Phelps Dodge was a car dealer.
... You hear static on your radio, and you think it's coming from a static RAM chip.
... You think RAM chips are what goats leave behind.
... You think a phone patch is to relieve addiction to your cellular phone.
... You wonder who drives the steamroller and creates those smoothed sunspots.
... You think a cross needle meter is a religious program to relieve another addiction.
... You can't find the TNC connector on your TNC.
... You think that Solar Flux is for eco-friendly soldering.
... You think a cold solder joint can get you high.
... You think a vacuum tube is an attachment on your Hoover.

ARRL 2020 SIMULATED EMERGENCY TEST (SET) SCHEDULED FOR OCTOBER 3 – 4 WEEKEND

The 2020 ARRL Simulated Emergency Test (SET) will take place October 3 - 4. The annual, nationwide exercise provides Amateur Radio Emergency Service (ARES) volunteers the chance to test personal emergency-operating skills and communication readiness in a simulated emergency deployment. ARRL is asking participants to adhere to Center for Disease Control (CDC) and local health department COVID-19 guidelines by staying home, maintaining safe distances when around people, and following recommended cleaning and disinfecting practices.

ARRL Field Organization leadership at the Section and local levels -- as well as many other volunteers who are active in public service and emergency communication -- are developing emergency scenarios with a variety of agencies and organizations they've partnered with in the past during real emergencies and disasters.

Given the ongoing pandemic, an in-person emergency exercise may not be possible this year, but volunteers are encouraged to adapt to the circumstances. Station and skills readiness are tenets of the Amateur Radio Service. Any time we spend on the air will contribute to developing and practicing our personal radio communication capability.

Volunteers with ARES, the National Traffic System (NTS), the Radio Amateur Civil Emergency Service (RACES), SKYWARN™, Community Emergency Response Team (CERT), Salvation Army Team Emergency Radio Network (SATERN), and other allied groups and public service-oriented amateur radio groups are among those eligible to participate in the SET to practice emergency operation plans, nets, and procedures.

ARRL has long-standing relationships with several national organizations including the American Red Cross, the National Weather Service, the Federal Emergency Management Agency, and the Salvation Army, among others.

This year's SET can be a chance to reach out to these partners -- at a safe distance and/or via online meetings and teleconferences -- to establish or review plans and develop working relationships.

ARRL Field Organization leaders have the option of conducting local or Section-wide SETs on dates other than the October 3 - 4 focal-point weekend, but no later than the end of the calendar year. Contact your local ARRL Emergency Coordinator or Net Manager or ask your Section Manager.

Additional information about the SET and reporting forms are available on the ARRL website.

SOLAR MINIMUM MOST LIKELY OCCURED IN DECEMBER 2019

Sunspot Index and Long-Term Solar Observations (SILSO) in Belgium said this month that the minimum between Solar Cycles 24 and 25 "most probably" took place last December. SILSO, a part of the Royal Observatory of Belgium and formerly known as SIDC, cited as evidence the January 2020 increase in the 13- month smoothed sunspot number -- the first upswing since the Cycle 24 maximum in April 2014.

"For now, this latest smoothed value in January 2020 is the very first point indicating a rise of the activity. So, the date of the minimum still needs a full confirmation over the coming months," SILSO said on its website. "For now, preliminary smoothed values, limited to less than 13 months, hint at increasing values over coming months. If the rising trend indeed continues, this [December 2019] date will become fully definitive."

SILSO said another indication of the transition between the two solar cycles can be drawn from counting individual sunspot groups that belong to either the old or new solar cycle. "While most sunspot groups belonged to the last solar cycle [Cycle 24] until September 2019, the dominance switched to groups of the new cycle | November 2019," SILSO said. SILSO said that in terms of the number of active regions, the minimum between Cycle 24 and Cycle 25 falls in October 2019. "This is close to December 2019," SILSO said. It attributes the difference to three factors:

The sunspot number also takes into account the total number of spots, and the size of the emerging active regions.

The time of the minimum depends on the respective trends of the declining phase of the past cycle, and of the rising phase of the new cycle, over the 12 months surrounding the minimum.

The date of the minimum has a significant uncertainty range. Near minimum, activity hardly varies and is close to minimum for a few months. "The date of the minimum is thus always less sharply defined than the date of the maximum of the cycles, which are more sharply peaked," SILSO explained.

SILSO noted "a steady stream" of small, active regions since last December, but that activity stagnated at a constant low level. "However, since July -- and even more in the course of August 2020 -- the activity seems to truly take off, with at least one sunspot group visible on almost all days. Such a level of activity had not been reached since early 2019."

This late-breaking upward trend is now expected to accelerate over the coming months," SILSO predicted. "So be prepared for a more eruptive and interesting sun!"

LIGHTNING FACTS AND FICTION

Lightning is far more dangerous than most people realize. It kills 50 to 75 people annually in the US and injures between 500 and 750.

Lightning also is a lot more common than most people realize. Every year in the US between 24 and 30 million lightning strikes hit the ground.

At least 95% of lightning deaths occur outdoors. If you see lightning get inside your home or a large building immediately.

Is it dangerous to talk on a phone during a thunderstorm? Corded phones are extremely dangerous during a storm. Home phone lines are protected with surge devices, but these defenses can be overwhelmed should lightning hit a nearby power pole. Someone dies every few years while talking on a phone during a lightning strike. Portable (cordless) and cell phones are safe to use during a thunderstorm.

Should you unplug your computer and TV during a storm? No, not during a storm. Electronic devices should be unplugged before a storm arrives. A few years ago, a man in Phoenix unplugged a device at the precise moment when lightning struck. He was thrown across the room. It's a good idea to protect electronic equipment – Stereos, TVs, computers etc. -- with surge protectors. Good quality ones typically cost between \$50 and \$100.

Can you get electrocuted in the shower or bath? There was a report a few years ago of someone who was killed by lightning while taking a shower. Faucets, knob and other metal fixtures are natural conductors of electricity. So is water. A lightning strike that hits your house or even comes close – could potentially carry enough electricity indoors through these natural conductors to cause injury or death.

How safe are you in a car during a thunderstorm? A fully enclosed metal topped vehicle is generally safe. A convertible with a vinyl or cloth top is not safe. The metal topped vehicle may protect for the same reason that building do – the lightning travels through the framework and to ground. Even if you happen to be touching a metal component, such as a door handle. Most of the electricity would flow around (not through) you. Some people think its the rubber tires that make a car safe. Not true, a few inches of rubber can't possibly "Ground" a car.

OBITUARY FROM THE LONDON TIMES

Today we mourn the passing of a beloved old friend, **Common Sense**, who has been with us for many years. No one knows for sure how old he was, since his birth records were long ago lost in bureaucratic red tape.

He will be remembered as having cultivated such valuable lessons as:

- Knowing when to come in out of the rain;
- Why the early bird gets the worm;
- Life isn't always fair;
- and maybe it was my fault.

Common Sense lived by simple, sound financial policies (don't spend more than you can earn) and reliable strategies (adults, not children, are in charge).

His health began to deteriorate rapidly when well-intentioned but overbearing regulations were set in place. Reports of a 6-year-old boy charged with sexual harassment for kissing a classmate; teens suspended from school for using mouthwash after lunch; and a teacher fired for reprimanding an unruly student, only worsened his condition.

Common Sense lost ground when parents attacked teachers for doing the job that they themselves had failed to do in disciplining their unruly children.

It declined even further when schools were required to get parental consent to administer sun lotion or an aspirin to a student; but could not inform parents when a student became pregnant and wanted to have an abortion.

Common Sense lost the will to live as the churches became businesses; and criminals received better treatment than their victims.

Common Sense took a beating when you couldn't defend yourself from a burglar in your own home and the burglar could sue you for assault.

Common Sense finally gave up the will to live, after a woman failed to realize that a steaming cup of coffee was hot. She spilled a little in her lap, and was promptly awarded a huge settlement.

Common Sense was preceded in death, by his parents, Truth and Trust, by his wife, Discretion, by his daughter, Responsibility, and by his son, Reason:

He is survived by his 4 stepbrothers;

- I Know My Rights
- I Want It Now
- Someone Else Is To Blame
- I'm A Victim

Not many attended his funeral because so few realized he was gone.

RACES EMERGENCY REQUIREMENTS

As of September

2006, NIMS IS-700 and ICS-100 course certifications are required in order to receive the county issued photo IDs. The photo IDs are required by federal law for participation in, on site RACES emergency operations. These courses can be taken online by going to www.fema.gov and following the directions. These requirements are not needed to participate in the weekly Wednesday nets. The only requirement for these nets is a valid amateur radio license and an interest in emergency communication.

F.Y.I.

The November Program will be **“RF Exposure for the Average Ham”** – Stephanie / WX3K

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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Dean Guth / AB3BD ----- babydean1@hotmail.com
Les Morrow / W3LES ----- lesterf52@gmail.com
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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