

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
NOVEMBER 2014



W3OK

CORRAL

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



"2015 AWARDS PRESENTATIONS"
Doreen / K3PDL and Jo Ann KC3Ezs

NOVEMBER MEETING PROGRAM

" Stealth Antennas "
John Dancey / N3NUE



MINUTES FROM THE OCTOBER MEETING

A general membership meeting of the Delaware-Lehigh Amateur Radio Club Inc. (the Club) was held on September 3, 2015, at the Bethlehem Township Community Center located in Bethlehem Township, Pennsylvania.

Call to Order: Dave / N3EYT Vice-President, called the meeting to order at 1932 hrs.

Pledge of Allegiance: Led by Dave / N3EYT

Member Happenings: Dave / NB3R said that with Jon / NJ3I they earned 2.5 million points in the RTTY contest the prior week using Jon's new ACOM 2000 amp and a new SteppIR vertical. Bob / NE2C reported that the Club trip to the Old Rhinebeck Aerodrome was spectacular and will be posting pictures on the Club's website. Larry / AB3TY presented a \$250 check donated by the Nazareth 275th Parade for the Club's participation in providing communications for the event. Fourteen members volunteered with just 3 days notice: Al / W3CE; Anne / KC3EYB; Bob / KE3AW; Dave / NB3R; Doreen / K3PDL; Ed / AA3OU; Evelyn / W3DOY; George / N3SQD; Jo Ann / KC3EZS; Joe / AB3OS; / Roy / KC3AHT; Susan / KC3BPS; 'Gary / N2AUO; and Larry / AB3TY.

Approval of the Minutes: Larry / AB3TY asked if there were any additions or corrections to the minutes as they appeared in the last newsletter. Dave / N3EYT asked for a motion to approve the minutes of the last meeting.

Motion: It was moved by Bill / W3MJ, second by George / N3SQD **Motion carried.**

Treasurer's Report: Mike / KB3LOD presented the Treasurer's Report for August. Dave / N3EYT asked for a motion to accept the report as read.

Motion: It was moved by Mark / W2MB, second by Skip / KD2BDA. **Motion carried.**

Club Station: Dave / NB3R reported the station was working with no problems. He noted that the PA QSO party is the weekend of October 10.

Club Repeater: Dave / NB3R noted that Barry / N3NVA had sent out a note via the reflector that Charlie Adams / K3HKZ, life member and owner of Industrial Communications, has donated to the Club a 440 voter for the Paxinosa site. Mark / W2MB added that Barry / N3NVA replaced a faulty voter card in the 6m input and it is now working properly.

Website: Brad / W3JXQ reported the access issue that occurred the weekend of the Club picnic in August was related to a lack of PHP memory and the provider corrected the problem.

Membership Report: George / N3SQD announced the following member Ruth Sweigart / KC4BAB. Dave / N3EYT asked for a motion to accept the new member

Motion: It was moved by Skip / KD2BDA, second by Evelyn / W3DOY. The vote was unanimous for approval. **Motion carried.** George announced that he is looking for someone to assume his position as Membership chairman and would provide the training necessary along with the database.

Club Badges: Dave / N3EYT said there was a signup sheet for any member in good standing needing one and a nominal charge would apply for replacement of lost badges. Members who requested them at the previous meeting picked up their badges. The next date for badge pickup will be at the December general meeting.

Guests: Ben / WA3BYW

Education Classes: Bob / KE3AW reported that 26 signed up for the Tech class and 22 are currently attending and there are 6 in the General. Which commenced on September 8. There will be the regular VE session on November 6 and a second session on November 10 for those finishing the education classes. The November 10 session is open also to anyone wishing to take an exam.

WXMAS: Jon / NJ3I announced that the WXMAS special event will be held on December 12 and 13 from 9-5. A signup sheet will be available at both the November and December general meetings.

Odds and Ends: Pete / NL7XM announced that the QCWA in its support for continuing education has provided \$75,000 scholarship funds worldwide for licensed Hams, one of whom is our own Doreen / K3PDL. Pete asked that the Club help sponsor the nine Americans (T42US) traveling to Cuba to participate with Cuban Hams in the CQ DX WW SSB contest 10-21 to 10-28, of which three are DLARC members --John / KK4SHF, Ruth / KC4BAB. And Stephanie / WX3K. Pete moved a motion to donate \$100. Jo Ann / KC3EZS proposed that the donation be increased to \$300, \$100 for each of the DLARC members. Jo Ann amended the motion to provide a \$100 for each of the DLARC members.

Motion: It was moved by Jo Ann / KC3EZS, second by Doreen / K3PDL. **Motion carried.**

Elections: Jon / NT3P announced that the slate of nominees was unopposed and the Secretary as stated in the bi-laws would cast one vote for each nominee. Larry / AB3TY then cast the required votes for Bill Connelly / W3MJ – President; Steve Harper / KB3WYJ – Vice President; Larry Kaplan / AB3TY – Secretary; Mike Gower / KB3LOD – Treasurer; Gab Lantos / KZ2A – Director; Skip Leslie / KD2BDA – Director; Dave Mellman / KA3IWC – Director; Bob Oppen / NE2C – Director; and Evelyn Uhler / W3DOY – Director.

General Meeting Programs: Doreen / K3PDL announced the need for presenters for next years programs. Those interested should contact her.

Adjournment: There being no further business before the Club, Dave / N3EYT asked for a motion to adjourned the meeting at 2010 hrs.

Motion: It was moved by Evelyn / W3DOY, second by Don / KC3II.

Respectfully submitted by Larry / AB3TY, Secretary

VE TEST SESSION

There will be a test session this month on November 6th at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact George / N3SQD at george@bioserv.com or Al / W3CE at w3ce@arrl.net

NOVEMBER QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 E. S. T. BEGINS	2	3	4 DLARC Net (KB3CTX)	5 DL ARC MEETING 7:30 PM	6 VE SESSION	7
8	9 VE SESSION	10	11 DLARC Net (K3PDL)	12	13	14
15	16	17	18 DLARC Net (KB3WYJ)	19 DLARC BOARD MEETING	20	21
22	23	24	25 DLARC Net (KC3EZS)	26 Happy Thanksgiving	27	28
29	30					

NOVEMBER CONTESTING AT THE OK CORRAL



November 7 & 8 – Ukrainian DX Contest
 -- ARRL Sweepstakes Contest CW
 November 14 & 15 - WAE DX Contest - RTTY
 -- OK/OM DX Contest – CW
 November 21 & 22 – LZ DX Contest
 – ARRL Sweepstakes Contest SSB
 November 28 & 29 – ARRL EME Contest
 – CQ World Wide DX Contest – SSB



NOVEMBER PROGRAM

November Program will be stealth antennas.

John Dancey, N3NUE, a former DLARC member is a retired Detective with the N.J. State Police. He was assigned to the Electronic Surveillance Unit, Intelligence Bureau, and along with his team was responsible for the collection of criminal evidence through electronic means and court authorized investigations. After retirement he formed Dancey Associates, Inc., which performs audio and video surveillance installations for law enforcement, commercial companies and private homeowners. He is also a motivational speaker.

NEW MEMBER

The DLARC is continuing to grow, so be sure to greet our new member, shake their hand, and give them a warm welcome to our club. The newest member is Ruth Sweigart / KC4BAB.



**HAPPY
 THANKSGIVING**



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

They all include a Friday the 13th

Winner – Dennis / KC3AOM

DECEMBER BRAINTEASER

Of the following fruits, which has the unique seed-related characteristic?

Orange, Apple, Strawberry, Blueberry, and watermelon

2015 "BULL BY THE HORNS" WINNERS



Every year the DLARC awards the "Bull By The Horns" award to its members who have contributed to the club. Whether it was a meeting program presentation, or chairing an event, or another service to the club. These are this years attending recipients. Pete / NL7XM, Bob / KE3AW, Mark / W2MB, George / N3SQD, Doreen / K3PDL, John / NL3I. Don / KC3II. Paul / N3YNT and Brad / W3JXQ. Additional winners are Barry / KU3X, Bill / NC3P, Charlie / W3OPA, Barry / N3NVA, Stephanie / WX3K, Ken / KB3MDT, Dave / NB3R, Bill / W0RSJ, Dean / N3HOG and Steve / K2OPA.

HELP WANTED

A new club Membership Chair Person, George / N3SQD is stepping down and a replacement is needed. George says he will explain and train any interested member.

EARTH SHADOW

Propagation related to earth shadow

by Michael Higgins, EI0CL,

Not well understood it seems but the Earth Shadow has an enormous effect on over the horizon single and multi hop propagation on the HF bands. Once the Ionized Layers are illuminated by the sun we generally get good refraction above certain frequencies which can and do vary dependent of course on take off angle and so on). As we approach the poorer part of the 11 year cycle we can see this phenomena better.

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With the Earths rotation relative to the sun we naturally and inevitably get areas on Earth which are gradually illuminated and then darkened by the apparently moving shadow (the earth is spinning & rotating too silly) relative to the sun in this case-- also we are moving relative to the other galaxies outside our own solar system.

When darkness comes as a result of this rotation so the refraction characteristics change too.

In the evenings then the East to West HF propagation at MUF (regardless of what it actually is in MHz) is usually better than the West to East.

The shadow appears to move Westwards at appx. 1000MPH at the equator so its quite noticeable. (In fact the Earth is rotating Eastwards at the same speed) speaking from Planet Earth



If we project ourselves well out into space and view the Earth and Sun from a distance we would have a better overview. Observe it and see for yourself even from Earth.



The West to east suffers attenuation (in fact signals not being refracted) or going straight through the less ionized layers- while the East to West signals are better refracted (less attenuated) being refracted by the more existed (by the sun) ionized layers.

Attenuation is my way of describing less than perfect refraction in the above case. Just in case someone loses focus, I'm not discussing attenuation per se or even levels of attenuation. Just the phenomena we like to call by that name. This phenomena is best observed in the twilight zone.

MEMBERSHIP DUES ARE DUE!

It's that time, already! DUES are payable for the calendar year 2016. 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.

2016 DUES Rates / No Changes	
Regular Membership 18-64 years of age:	
Jan. - Dec.	\$17.-
65 and over, or retired from all forms of employment (no age limit)	
Jan. - Dec.	\$12.-
Additional Family member	
each \$3.-	
Associate Individual Membership	
\$10.-	

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

HARD COPY SUBSCRIPTION

You must sign up if you want a hard copy newsletter subscription. The rate is \$12, this is exclusively for the newsletter only, to cover printing and mailing. The price of maintaining a Bulk Mailing Permit is too expensive to justify with the size of our membership, thus the first class postage requirement. This will squarely cover the cost of paper and printing supplies for 12 issues. To subscribe contact Pete / NL7XM at nl7xm@arrl.net



EASTERN STANDARD TIME BEGINS NOVEMBER 1

CONGRADUALATIONS

Ben / KB3CTX and Tera Ramig are the proud parents of a son. **CHRISTOPHER LEE RAMIG**

ARRL VEC REMINDS LICENSE APPLICANTS

The FCC is Now Paperless!

The ARRL VEC is reminding Amateur Radio license applicants that the FCC no longer routinely prints or mails license documents. In an effort to streamline its procedures and save money, the FCC went "paperless" in February 2015.

"Customer contact with the VEC has tripled since this change, as many amateurs have not heard of the change or do not understand the FCC procedures for obtaining a license copy," said ARRL VEC Manager Maria Somma, AB1FM. She said the most frequently asked question comes from Universal Licensing System users who have applied for renewal or modification, but then think the transaction was not completed because they did not get a new copy of their license in the mail.

"Once we look up the info, our answer is nearly always that the requested transaction actually was completed and appears in the FCC database, but they won't be getting a copy of the updated license in the mail," Somma said. Less frequently, her department hears from exam applicants who ask why they did not receive a copy of their license after they passed the test.

To help clarify things, Somma has created a web page, [How to Obtain an Official FCC License Copy](#), devoted to explaining the various ways a licensee can get an official license document from the FCC. An official license displays the FCC logo and the "Official Copy" watermark across each page. A [printer-friendly version](#) of the instructions is available on the ARRL website. Somma said the *easiest* way for a license holder to obtain a license copy is to call the FCC at (877) 480-3201.

Licensees can also download and print their own official license copy by logging into the Universal Licensing System ([ULS](#)) using their FCC Registration Number (FRN) and password, then clicking on "Download Electronic Authorizations" in the menu on the left. The ULS has also added a green informational banner that says, "Change your paper authorization preferences [here](#), or download your official electronic authorizations [now](#)." Somma points out that the green banner is only temporary, and it eventually will go away.

At least for now, though, clicking the "[here](#)" hyperlink will take you to the Paper Authorization Preferences" page. To continue receiving paper license documents, click "Yes." Clicking the "[now](#)" hyperlink will take you to the "Download Authorizations" page.

On the "Download Authorizations" page, scroll down to the "Filter by Radio Service" box (remember, the ULS is *not* just for the Amateur Service). First, **highlight your call sign** and then click "ADD>" to put your call sign into the "Authorizations to Download" column. Scroll down a little further and click "DOWNLOAD>" to create an official FCC license PDF document that can be saved or printed.

When modifying, renewing, or requesting a duplicate license copy, a licensee who already has an FCC Registration Number (FRN) and provides a valid e-mail address under "Applicant Information" while logged into the ULS system will receive an official ULS-generated electronic authorization via e-mail.

All Amateur Radio exam applicants should include a valid e-mail address on their NCVET 605 form, in order to receive a copy of their license electronically.



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.net/mailman/listinfo/dlarcforum> 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 formatting 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 your disposal. Anything you want to know, all you have to do is ask!

de Don / KA3JWE List administrator

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.

HOW TO AVOID/CURE CLIPPING

By Paul Schlueter III, KB3LIC

There are several different types of signal distortion, some of which are desirable (ie., "Tone" adjustments and EQ), and others which are undesirable. In the latter category is the type of distortion called "clipping."

Clipping is caused when your circuit runs out of supply voltage, and is unable to follow the complete curvature of its positive and negative peaks. The tops (and/or bottoms) of the signal waveforms are literally "clipped off," creating unwanted square waves. Some inputs are protected from "overload" by a pair of small "limiter" diodes; removing those can allow greater amplitude at an input, but it also might damage some later portion of the circuit, or exceed output power specifications.

The solution for ordinary folks is to reduce the amplitude of the signal. In short, turn it down. Audio and RF signals usually come in waves with specific shapes; analog waves tend to come in parabolic shapes, while square waves (CW mode, mostly) ideally come with the tops and bottoms of each half-cycle squared off sharply and neatly. Both types of wave can be clipped, if the difference between the peak positive and peak negative voltages exceeds the circuit's design capability.

Most audio signals (like what your microphone produces) are analog, and very small in amplitude (RMS voltage).

When you want to take a low amplitude signal (your mic output, or the signal received from your antenna) and increase its strength, you must use amplifiers of some sort. Clipping usually occurs from a mismatch of signal voltages and amplifier capacities. Most clipping occurs at the input stage of a circuit, when either an outboard device or a preceding circuit stage produces too much signal amplitude for the next stage. Radio practice strives to avoid clipping at any point in the circuit.

Though circuits can theoretically be modified to allow greater voltage excursion (usually determined by supply voltage, but also partially by component specs), that's a practical difficulty. The most common solution to clipping problems is to reduce the signal voltage enough that it does not exceed the excursion capability of any internal circuit stage in the first place.

Active mics are sometimes a problem. By incorporating an internal amplifier, "active" mics produce a larger amplitude signal than passive mics. If your active mic might be clipping your radio's audio input, you can usually turn down the amplitude with a control marked "Output." If you can't "turn down" an active mic's output, you can either buy or build a "Pad," which is a device (passive or active) which REDUCES signal amplitude by a desired amount (usually stated in decibels, or dB). When selecting a pad, or designing one, it is important to properly match input and output impedances to both the source and destination devices.

When selecting equipment to assemble into a component-style rig, you can check the specification sheets to learn the design values at the input and output of the devices. Comparing the output values of a mic/preamp/processor will give you a good idea if it is well-matched to the input values specified by the radio's designer.

So two ways to reduce clipping distortion are to turn down appropriate gain controls within your equipment, or to insert gain-reduction "pads" between mismatched devices. The third solution to clipping might be even simpler still, but it is often the most difficult in practice: turn down the operator's voice.

Some operators tend to speak too loudly into their mics; the diaphragm inside the mic (often resembling a delicate speaker cone) has excursion limits of a physical nature, and exceeding those causes a sort of clipping which is more physical than electronic. The solution is to speak in a normal tone of voice, move back from the mic a few extra inches, or both. Some people still produce large "plosive" sounds when they speak hard consonants; the solution to this problem is to place a commercial "pop filter" between your mouth and the mic. \$20 pop filters can sometimes eliminate most or all of the clipping in a rig.

Also, aftermarket vocal processors are outboard devices which, when inserted in the microphone wire between the mic and the radio, essentially allow you to apply modifications to the audio signal. The effects you should focus on are Compression (which reduces the peaks of signal amplitude without clipping them), and de-essing (which reduces the sibilance of sounds). Avoid the temptation to employ Reverb - it's not appreciated. Remember, "sound FX" are yet another form of audio distortion, and ham practice generally calls for doing all you can to REDUCE distortion of all types.

"Clipping" is the result of overpowering some stage(s) of your rig. Its solution is to determine WHERE it is happening, and to reduce signal amplitude reaching that point of the system.

NEWSLETTER ARTICLES WANTED

Many DLARC members have discovered various insights to our hobby. Insights which would be of help and interest to other club members. A small article on these discoveries in the newsletter will inform other club members, and assist them to the benefits of your expertise.

An article on your favorite part of ham radio and how you go about enjoying it, for example, QRP CW operations, as chasing DX or building items for your shack. This is another way to share your interests with other club members and maybe to find another member with your interests.

This article need not be long nor high tech, but just a way to spread such information to other club members and possibly find someone else to share your enthusiasm. It could open a window for a new ham or even re-open an old window for the long-time ham. It would be a good way to share the wealth of knowledge within our club.

de **Don / KC3II**, Editor

PROGRAMS NEEDED FOR THE 2016 MEETINGS

Time is short - time to put on your thinking caps on, work with a buddy. I have only two scheduled presentations for next year February and March. E-mail me with ideas. No program for October (Awards) and December (Annual Holiday Party).

73,
Doreen / K3PDL Presentation Chair

EXECUTIVE COMMITTEE FOR 2015 / 2016

President – Bill Connelly / W3MJ
Vice President – Steve Harper / KB3WYJ
Secretary – Larry Kaplan / AB3TY
Treasure – Mike Gower / KB3LOD

Board of Directors

Gabe Lantos / KZ2A
Skip Leslie / KD2BDA
Bob Oppen / NE2C
Evelyn Uhler / W3DOY
Dave Mellman / KA3IWC

Here are your officers for the up coming year, your help will be need to assist them in continuing the growth of the DLARC

SAFE - DRIVING TIPS WHEN IT IS RAINING! GOOD VISION IN A DOWNPOUR.

How to achieve good vision while driving during a heavy downpour. We are not sure why it is so effective; Just try this method when it rains heavily. This method was told by a Police friend who had experienced and confirmed it. It is useful...even driving at night.

Most of the motorists would turn wind shield wipers on 'HIGH' or on the 'FASTEST SPEED' during heavy downpour, yet the visibility in front of the windshield is still bad. In the event you face such a situation, just put on your 'SUNGLASSES' and miracles! All of a sudden, your visibility in front of your windshield is perfectly clear, as if there is no rain. Make sure you always have a pair of SUNGLASSES in your car. You are not only helping yourself to drive safely with good vision, but also might save your friend's life by giving him this idea.

Try it yourself and share it with your friends! Amazingly, you'll still see the drops on the windshield, but not the sheet of rain falling. You'll also see where the rain bounces off the road. Wearing sunglasses works to eliminate the "blindness" from passing cars. Or the "kick up" if you are following a car in the rain. They ought to teach this little tip in driver's training. It really does work. This is a good warning.

Another good tip: A 36 year old female had an accident several weeks ago. It was raining, though not excessively when her car suddenly began to hydro-plane and literally flew through the air. I wonder how many people knew about this? She was not seriously injured but very stunned at the sudden occurrence! When she complained to the Police Officer what had happened, he told her something that every driver should know -

NEVER - EVER 'DRIVE' IN THE RAIN WITH YOUR CRUISE CONTROL ON.'

She how-ever, thought she was being cautious by setting the cruise control and maintaining a safe consistent speed in the rain. But the police officer told her that if the cruise control is on, your car will in fact begin to hydro-plane. When the tires lose contact with the road, your car will automatically accelerate to a higher rate of speed, making you take off like an aero plane. She told the officer that was exactly what had occurred. The officer said, 'This warning should be listed on the driver's seat sun-visor - **NEVER USE THE CRUISE CONTROL WHEN THE ROAD IS WET OR ICY.'**

Along with the airbag warning. 'We tell our teenagers to set the cruise control and drive a safe speed - but; 'We don't tell them to use the cruise control only when the road is dry. The only person the accident victim found who knew this, (besides the Officer), was a man who'd had a similar accident, totaled his car and sustained severe injuries. NOTE: Some vehicles (like the Toyota Sienna Limited XLE) will not allow you to set the cruise control when your windshield wipers are on.

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 on line 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 communications.

DID YOU KNOW?

A dime has 118 ridges around the edge.

*A cat has 32 muscles in each ear.

*A crocodile cannot stick out its tongue.

F.Y.I.

The December Program will be The Annual Holiday Celebration and 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.

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 (DCS 315) W3OI Repeater.

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 2015 – 2016 OFFICERS

President – Bill Connelly / W3MJ ----- president@dlarc.org
Vice President – Steve Harper / KB3WYJ ----- vicepresident@dlarc.org
Secretary – Larry Kaplan / AB3TY ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

Gabe Lantos / KZ2A ----- gpl3639@gmail.com
Skip Leslie / KD2BDA ----- mleslie105@aol.com
Bob Oppen / NE2C ----- oppen.robert@yahoo.com
Evelyn Uhler / W3DOY ----- evelynuhler@hotmail.com
Dave Mellman / KA3IWC ----- dbm073@gmail.com
Jay Mason / N3OW ----- n3ow@rcn.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

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