

**DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.**



**APRIL 2008**

# ***W3OK***

# ***CORRAL***

**Club Meeting April 3rd At The 911Center**

**APRIL 15<sup>th</sup> INCOME TAX DEADLINE**

**APRIL 27<sup>th</sup> EASTON MS WALK**

## **APRIL MEETING PROGRAM**

**“ D-STAR” Demonstration by Bob / N2ZAU,  
Randy / WA2RMZ and Scott / KB2EAR**

## FROM THE PRESIDENT'S SHACK

I was very humbled at the past meeting when I was presented with the Amy Zimmerman award. I felt that I didn't deserve to get it, as probably other recipients have felt in the past. I wish to offer my heartfelt thanks to the club for the recognition.

Don't forget the MS Society walks coming up on April 27th and May 4th. We still need a net control for the Easton walk. I would hate to tell the Society that we are unable to do it for the second year straight. Please volunteer if you can, any net control is better than no net control. We will also need help for the MS 150 bicycle ride on July 19th and 20th. This year for a change I plan to ride my bike in the event. I am rigging up the bike with 2M FM and APRS. Listen for one out of breath rider on the event's repeaters.

We just participated in the yearly Pennsylvania Emergency Management hazardous weather drill. Thanks to all who checked in on the repeater and helped out at the club station. We had antenna problems on 75 Meters and could not contact the PEMA station in Hamburg. Next year I hope to have another dipole in place for the test.

The Executive Board will be working on a solution to the Newsletter delivery problems at our next meeting. Hopefully we will have good news at the next general meeting.

de **AL / W3CE**

## SPAGHETTI DINNER

The Spaghetti Dinner has been postponed until fall. Date and location to follow.

## MINUTES FROM THE MARCH 6th MEETING

**Call to Order:** President Al / W3CE. @1931L

**Pledge of Allegiance:** Led by W3CE

**Visitors/Guests:** Tom / KA3LAM, Charlie / N3WXO

**Approval of the February Minutes:** Moved by Bruce / KA3TIU; 2<sup>nd</sup> Bud / W3BUD.

Approved without dissent.

**Approval of Treasurer's Report:** Moved by Charlie / W3DEA; 2<sup>nd</sup> Carl / A3IX. Approved without dissent. Barry / KU3X thanked Treasurer Pete / NL7XM for passing around a printed copy of the report; NL7XM explained why his report is no longer published in the online Newsletter.

### Reports:

**Website & Repeaters** – Don / KC3II reported that the new voting receivers are a work-in-progress, and that the website is being updated as new content is received. Bryan / AA3WM reported that the 145.11MHz machine appears to be down.

**Licensing Classes** – Bob / KE3AW reported that there is still time to enroll for the Technician license class at Northampton Community College. Classes are set to begin 11 MAR 08. Address questions and comments to KE3AW.

**W3OK / Club Station** – W3CE invited all to stop by every Wednesday evening to play radio, talk radio and technology, and join in the fellowship. Listen to the W3OK repeater system for who's going. The Club is still soliciting donations for the Club station: a new computer, 1GHz processor or better, running WinXP; and flatscreen monitors. Contact W3CE to donate!

**VE Session:** George/N3SQD reported that the next session was to be 07 MAR 08 at the 911 Center at 1900L; examinees should report ten minutes early.

**M/S Walk:** W3DEA reported that he is the 2008 MS Walk chairman, and is soliciting volunteers to provide communications support for the 2008 Walks.

**Amy Zimmerman Award:** W3DEA then segued into the presentation of the 2008 **DLARC Amy Zimmerman Award**, for service to and self-sacrifice in the interest of the Club, to AI / W3CE. AI was omnipresent, was and is the driving force behind many of the Club's activities, including the WinLink 2000 setup, improvements to the Milk House station, and tireless work supporting and organizing other Club activities, like Field Day and the summer Club Picnic. Charlie Zimmerman / N3WXO was co-presenter of the Award, and spoke about Amy and her incalculable positive impact on the Club and humanity. AI received the Award to the acclaim of the assembled members.

**Membership:** KC3II reported three new applications for membership:

Joel Schwartz, WB3IWC

Ron Jackson, KB3LPS

Charles Zimmerman, N3WXO

AA3WM moved to accept the above as members of the Club; 2<sup>nd</sup> KA3TIU.

Approved without dissent, with applause for the new members!

**RFI Ad Hoc Committee:** N3SQD reported that the Club provided an Ad Hoc RFI Committee, at the request of ARRL and FCC, to resolve an interference complaint at the QTH of Rick / K3OO. The Committee conducted blind testing and assembled data to forward to all interested parties.

**DLARC 2m Sprint:** Ray/W3TDF reported on the Old DLARC Fiftieth Anniversary Radio Trophy Sprint (never mind the acronym!). Results will be tabulated and reported in next month's Newsletter. The next Sprint will be announced soon; stay tuned!

## **Upcoming Events:**

**Transmitter Hunt** – W3CE will run a foxhunt on 7 MAY 08 from 1800-2000L. The fox was demonstrated. The only hint AI would give is that the fox will be hidden in the eastern half of the Lehigh Valley (Bethlehem/Easton area).

**Boy Scout Jamboree** – W3CE reminded members of the Boy Scout Jamboree scheduled for 17 MAY 08 at Kutztown University. Don't waste your time at Dayton; stick around and help out the Scouts!

**Field Day** – 28-29 JUN 08 is ARRL's annual Field Day! Tom / KB3IUE is chair again this year. Field Day will be held at our usual site, the Plainfield Township Farmer's Grove. All members and families are invited to come out, operate (or not), have a good time, eat and be merry!

**MS150** – AA3WM reminded us that the annual MS-150 bicycle ride will be held in late July. Bryan is recruiting volunteers for our usual mission of providing communications support. Contact him for details. W3CE announced he's planning to ride his bicycle in the event!

**Spaghetti Dinner** – W3CE announced that the proposed spaghetti dinner will be postponed until autumn. Stay tuned.

## **New Business:**

**Special Service Club** – DLARC has been reinstated as an ARRL SSC after a short hiatus due to a paperwork error.

**PA Weather Drill** – will be held on 13 MAR 08.

**New Board Member** – Board Member Pei / AB3FY was forced to step down from that position due to personal reasons. W3CE announced on behalf of the Board that

Charlie / W3DEA had been appointed to fulfill the remainder of Pei's term.

## **Old Business:**

**[Secretary's Note** – Please accept my apologies if anything was left out of the following discussion. I was scribbling as fast as I could during the free-flowing debate; not having taken shorthand in school, I'm bound to have missed something. Any errors or omissions are entirely mine. **Bob / NQ3X]**

**Newsletter** – KU3X registered a complaint about the current newsletter policy, protesting the price increase to receive a printed copy. Suggested a postcard reminder each month for meeting, due to low attendance. Barry reported his figuring of mailing costs for the newsletter. KC3II explained the cost breakdown of \$10 per year per member for a mailed newsletter, and also explained the upcoming direct push of the email newsletter in PDF format. AA3WM disagreed with the paid-subscription concept, as no-cost hard copies were promised by the Board when the transition to an electronic newsletter was made. Bryan also noted that dues amounts are tied to the newsletter; any changes to that structure must be made by the membership, not the Board only. NL7XM pointed out that some members claim the current dues amounts are a hardship. Pete also explained that KU3X's figures do not include the bulk-mail permit cost, for which we no longer qualify, as we do not mail sufficient copies for bulk mail. Total costs must also include printing costs. Pete noted moreover that there are month-to-month operating costs for the Club which must be taken from the dues, not just newsletter mailing costs. KC3II further noted that when the current newsletter concept was put into place, five members were opting for hard-copy. That total is now more than thirty. AA3WM countered that dues were never the sole income for the Club – there was also the Hamfest and other sources. Still, the Bylaws must be amended to change the dues structure. The past newsletter amendment made the newsletter "available". Bryan suggested restructuring that passage to include "membership including newsletter subscription". W3DEA that, as the membership categories now stand, a Full member gets to vote and a newsletter, while an Associate member gets only a newsletter. As such a newsletter is implicit. Charlie supported AA3WM's restructuring concept. N3SQD reiterated that the original idea was a cost-control measure. What the Board is trying to do is hold the line on costs and keep the information flowing. KW3K suggested making the newsletter a completely separate entity from membership categories. W3TDF noted what was recorded in an old copy of the Bylaws. KB2VCI noted that the issue appears to be only a procedural change. N2AUO noted that DLARC dues aren't all that much. He also wondered what the big deal was about going onto the Internet to read the newsletter, and reminded the membership that the current situation is due to the Board not wanting to charge members more money. AA3IX asked how we would define Full and Associate membership. AA3WM moved that the Board devise restructuring of membership categories to incorporate newsletter costs in accordance with DLARC Bylaws. 2<sup>nd</sup> by Barry / KU3X. More discussion followed: Doug / KB3NOW suggested we bring hard copies to the meetings for interested members. Bill / W0RSJ suggested email notices of meeting dates/times be sent to members, because the newsletter is really a meeting-reminder vehicle. Bill / NC3P suggested that, if hard-copy recipients are out of the way, members print copies for their neighbors and hand-deliver them. Dave / N3EYT opined that postcards for meeting announcements are a good idea. KW3K suggested we eliminate wording in the membership categories which pertains to the newsletter. Vote called by W3CE;

passed with above dissent.

### Upcoming Programs:

**March** – Antenna matching, Barry / KU3X

**April** – D star by Bob / N2ZAU, Randy / WA3RMZ and Scott / KB2EAR

**May** – Howard / AE3T will present Software-Defined Radio (SDR)

**June** – Amateur Radio Satellite communications by Gary / N2AUO

**July** – USMC MARS in South Vietnam by Mike / KB3PDR.

Motion to Close: Bruce / KA3TIU; 2<sup>nd</sup> Ken / N3IYX. Passed without dissent at 2049L.

## FEBRUARY 2008 D.L.A.R.C. Expenditure Report

### Expenditures:

Clubhouse Equipment / Supplies	27.41
Newsletter Copies Distributed at Jan. Meeting	13.50
Field Day Site Permit & Trash Collection	125.00
Picnic Site Reservation	100.00
Telephone	<u>17.69</u>
<b>Total Expenditures:</b>	<b>(283.60)</b>

Respectfully Submitted,  
**Pete Varounis / NL7XM**  
Treasurer / D.L.A.R.C.

### THE AMY ZIMMERMAN AWARD

Each March in Memory of **Amy Zimmerman / KD3TI**, the DLARC Executive Committee presents The Amy Zimmerman to an amateur radio operator, “In Appreciation For Unselfish Services Rendered To Amateur Radio And The Community” This years winner was Al / W3CE, the award was presented by Charles Zimmerman at the March meeting..

### MS WALK DATES

April 27th is the date for the Easton MS Walk, May 4 th is the date for the Allentown MS Walk. Volunteer now, so as to allow enough time for Charlie / W3DEA to solidify plans. A net control is still needed for the Easton Walk. These are events that the DLARC has handled in the past with the exception of the 2007 Easton MS Walk where the chairman was unable to get the volunteers necessary for to safely handle the event. We have been contacted by the event sponsors and hope to handle them this year.

### BOY SCOUT JAMBOREE

May 17,2008 the DLARC will be putting on an amateur radio station as a demonstration for the Boy Scouts of America's Jamboree at Kutztown University. Al / W3CE is chairman for this event and will need operators and assistance setting the station up. Contact Al at [w3ce@arrl.net](mailto:w3ce@arrl.net)

## **CHAIR PERSONS NEEDED**

These chairs at this time that are still open are these chairs open within the DLARC activities, Christmas City Special Event Station and the Nominating Committee

## **MEETING PROGRAM CHAIRMAN**

The DLARC is still in need for a General Membership Meeting Program Chairman. Someone who can plan and organize programs for each monthly meeting. 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 to the membership in general. If you are interested in volunteering for this position, contact any member of the Executive Committee.

## **FIELD DAY**

It is not too early to begin planning for the 2008 Field Day. To be held June 28<sup>th</sup> & 29<sup>th</sup> at the Plainfield Township Farmers Park. This one of several events that the DLARC participates in every year. Tom / KB3IUE is chairman, so when he asks for help, don't be afraid to join in. The help he will be looking for is to set up Saturday afternoon and tear down Sunday afternoon. Plus operators and loggers during the 2 day period. Keep your calendar open for these days.

## **SMILE: YOU'RE ON RADIO FREQUENCY IDENTIFICATION**

By Todd Lewan of the Associated Press

Microchips with antennas will be embedded in virtually everything you buy, wear, drive and read, allowing retailers and law enforcement to track consumer items – and by extension, consumers – wherever they go, from a distance.

A seamless, global network of electronic “sniffers” will scan radio tags in myriad public settings, identifying people and their tastes instantly so that customized ads, “live spam” may be beamed at them.

In “Smart Homes” sensors built into walls, floors and appliances will inventory possessions, record eating habits, monitor medicine cabinets – all the while, silently reporting to marketers eager for a peek into the occupants' private lives.

Science Fiction?

In truth, much of the radio frequency identification technology that enables objects and people to be tagged and tracked wirelessly already exists – and new and potentially intrusive uses of it are being patented, perfected and deployed.

Some of the world's largest corporations are vested in the success of RFID technology, which couples highly miniaturized computers with radio antenna to broadcast information about sales and buyers to company databases.

Already, microchips are turning up in some computer printers, car keys and tires, on shampoo bottles and department store clothing tags. They are also in library books and “contactless” payment cards.

Companies say RFID tags improve supply-chain efficiency, cut theft and guarantee that brand-named products are authentic, not counterfeit. At a store doorway could scan your purchases automatically as you leave, eliminating tedious checkouts.

At home, convenience is a selling point: FRID-enabled refrigerators could warn about expired milk, generate weekly shopping lists, even send signals to your interactive TV so that you could see “personalized” commercials for foods you have a history of buying.

### **AN AID TO PRYING EYES**

The problem, critics say, is that microchipped products might very well do a lot more.

With tags in so many objects, relaying information to data bases that can be linked to credit cards and bank cards, almost no aspect of life may soon be safe from the prying eyes of corporations and governments, says Mark Rasch, former head of the computer-crime unit of the U.S. Justice department.

Using sniffers, companies can invisibly 'rifle through people's pockets, purses, suitcases, luggage – and possibly their kitchens and bedrooms – anytime of the day or night,” says Rasch, now managing director of technology at FTI Consulting Inc, a Baltimore-based company.

In an RFID world, “you've got the possibility of unauthorized people learning stuff about who you are, what you have bought, how and where you bought it ...It;s like saying 'Well, who wants to look through my medicine cabinet?’”

He imagines a time when anyone from police to identity thieves might scan locked car trunks or home offices from a distance.

“It's going to be used in unintended ways by third parties – not just the government, but private investigators, marketers, lawyers building a case against you...”

### **TWO TYPES OF TAGS**

Currently, the radio tag most commercialized in America is the so-called “passive” emitter, meaning it has no internal power supply. Only when a reader powers these tags with a squirt of electrons do they broadcast their signal indiscriminately, within a range of a few inches to 20 feet.

Not as common, but increasing in use, are “active” tags, which have internal batteries and can transmit signals, continuously, as far as low orbiting satellites. Active tags pay tolls as motorists zip through tollgates; they also track wildlife.

Retailers and manufacturers want to use passive tags to replace the bar code, for tracking inventory. Some transmit specifics about the item, such as price, but not the name of the buyer.

However, “once a tagged item is associated with a particular individual, personally identifiable information can be obtained and aggregated to develop a profile,” the U.S. Government Accountability Office concluded in a 2006 report on RFID.

### **INFORMATION UNCORRECTED**

Federal agencies and law enforcement already buy information about individuals from public records, credit applications and other sources, then offer summaries for sale. These brokers, unlike credit bureaus, aren't subject to the provisions of the Fair Credit Act of 1970, which gives consumers the right to correct errors and block access to their personal records.

That, and the ever-increasing volume of data collected on consumers, is worrisome, says Mike Hrabik, chief technology officer at Solutionary, a computer-security firm in Bethesda, Md. “Are companies using that information incorrectly, and are they giving it out inappropriately? I'm sure that's happening. Should we be concerned? Yes.”

The recent growth of the RFID industry has been staggering: From 1995 to 2005, cumulative sales of radio tags totaled 2.4 billion: last year alone, 2.24 billion tags were sold world wide, and analysts project that by 2017 cumulative sales will top 1 trillion – generating more than \$25 billion in annual revenues for the industry.

Privacy concerns, some RFID supporters say, are overblown. One, Mark Roberti, editor of RFID Journal, says the notion that businesses would conspire to create high-resolution

portraits of people is “Simply silly.”

Corporations know Americans are sensitive about privacy, he says. As American Express spokeswoman Judy Tenzer says, “Security and privacy are a top priority for American Express in everything we do.”

But industry documents suggest a different line of thinking, privacy experts say.

### **TRACKING AND IDENTIFYING**

A 2005 patent application by American Express itself describes how RFID-embedded objects carried by shoppers could emit “identification signals” when queried by electronic “consumer trackers”. The system could identify people, record their movements and send them video ads that might offer “incentives” or “even the emission of a scent.”

RFID readers could be placed in public venues, including “a common area of a school, shopping center, bus station or other places of public accommodation,” according to the application, which is still pending - and not alone.

In 2006, IBM received patent approval for an invention it called “Identification and Tracking of persons using RFID-tagged Items.” One stated purpose: To collect information about people that could be “used to monitor the movement of the person through the store or other areas.”

Once somebody enters a store, a sniffer “scans all identifiable RFID tags carried on the person,” and correlates the tag information with sales records to determine the individual's “exact identity.” A device known as a “person track unit” then assigns a tracking number to the shopper “to monitor the movement of the person through the store or other areas.”

Another patent, obtained in 2003 by NCR Corp., details how camouflaged sensors and cameras would record customers' wanderings through a store, film their facial expressions at displays and time – to the second – how long shoppers hold and study items.

Then there's a 2001 patent application by Proctor & Gamble, “Systems and methods for tracking consumers in a store environment.” This one lays out an idea to use heat sensors to track and record “Where a consumer is looking, whether she is bending over or crouching down to look at a lower shelf.”

The system could space sensors 8 feet apart, in ceilings, floors and displays, so that they could capture signals transmitted every 13 seconds, microchipped shopping carts.

### **PATENTING SURVEILLANCE**

The documents “raise the hair on the back of your neck,” says Liz McIntyre, co-author of “Spy Chips”, a book that is critical of the industry. “The industry has long promised it would never use this technology to track people. But these patents clearly suggest otherwise.”

Corporations say patent filings shouldn't be used to predict a company's actions.

“We file thousands of patents every year, which are designed to protect concepts or ideas.” Paul Fox, a spokesman for Proctor & Gamble says. “The reality is that many of those ideas and concepts never see the light of day.”

Sandy Hughes, P&G's global privacy executive, adds that Proctor & Gamble has no intention of using any technologies – RFID or otherwise to track individuals. The idea of the 2001 filing, she says is to monitor how groups of people react to store displays, “not to individual consumers”.

NCR and American Express echoed those statements, IBM declined to comment for this story.

In the marketing world of today, McIntyre says, “data on individual consumers is gold, and the only thing preventing these companies from abusing technologies like RFID to get at that gold is public scrutiny.”



## **FUTURE MEETING PROGRAMS**

The program for May 1<sup>st</sup> will be "Software Defined Radio" by Howard / AE3T. For June 5<sup>th</sup>, it will be Gary / N2AUO presenting "Amateur Radio Satellite Communications". And for the July 3<sup>rd</sup> it will be Mike / KB3PDR relating his experiences as the "First Marine MARS station in Southeast Asia" during the Viet Nam war. 1963 to 1967.

## **THE DLARC FOX HUNT**

Please set aside the evening of May 7<sup>th</sup>. for the DLARC Fox Hunt. It will be run from 6 to 8 P.M. Prizes will be awarded for top finishers. The only clue I am giving is that the Fox will be in the eastern part of the Lehigh Valley. A good antenna design for beginning fox hunters can be found at [http://home.att.net/~jleggio/projects/rdf/tape\\_bm.htm](http://home.att.net/~jleggio/projects/rdf/tape_bm.htm). It is made from PVC pipe and a steel tape measure refill. More info as the date gets closer.

Feel free to ask any questions except for where the fox will be hidden!

73

**AL / W3CE**

## **MS-150 2008 PENNSYLVANIA DUTCH BIKE TOUR**

Although we do not have the exact dates for this event. It will be in July. It isn't too early to begin to plan for it. Bryan / AA3WM will fill in the details as soon as they become available.

## **VE TEST SESSION**

There will not be a test session this month. The next session will be May 2<sup>nd</sup> at 7:00 PM at the Northampton County 911 Center. Pretest registration is required. Contact George / N3SQD at [george@bioserv.com](mailto:george@bioserv.com) or Al / W3CE at [w3ce@arrl.net](mailto:w3ce@arrl.net).

## **SILENT KEY**

We would like to honor and remember our past and present members.

**Dennis Keck / KB3PDN**

## **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. Actually 13 weeks in a period, so 13 net controls would be ideal, and maybe some extras to fill in if needed. This would give us a pool of experienced controls, for any emergency which would arise. Interested parties should contact Dick / KA3MOU at [ka3mou@verizon.net](mailto:ka3mou@verizon.net) or Don / KC3II at [kc3ii@arrl.net](mailto:kc3ii@arrl.net).

## **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 the Treasurer. This simple act can help your Club by reducing recurring expenses, and make you feel a lot better about our environment.

## NEW MEMBERS

Come shake hands with Joel / WB3IWC, Ron / KB3LPS and Charlie / N3WXO and welcome the newest members of the DLARC.

## EPA TECHNICAL COORDINATOR NAMED

With our previous TC having resigned (AA3PX) I was faced with posting another vacancy for our Section Cabinet. I have to admit that I was thrilled when two well qualified and excellent choices emerged. The selection for our new TC is Carl Stevenson / WK3C from Emmaus, PA. [wk3c@wk3c.com](mailto:wk3c@wk3c.com) Carl has been serving as one of my Assistant Section Managers (ASM) and was anxious to take a more active role in EPA Leadership. I am sure that Carl will do much to bring the TC position "out of retirement" here in EPA. Congratulations to Carl and thank you for your willingness to help lead the EPA Section.

73, Eric / WB3FPL

## DLARCforum

Go to <http://mailman.qth.net/mailman/listinfo/dlarcforum> and sign up for the DLARCforum. Subscribing to the forum will insure your accessibility to the DLARC's latest news and information. This a way to address any questions to the membership in general, on any Amateur Radio and/or DLARC subject. Additional forum information is available in the January issue of the OK Corral.

## FYI

The EASTERN PENNSYLVANIA District 2 ARES Net meets every Wednesday at 1930 hours local time. (Just after the DLARC Net ) On 449.375 ( pl 100.0 ). And linked to 147.255 ( pl 162.2 ).

It was announced on QRZ that there is a new search engine for designed for amateur radio: [www.cqoogle.com](http://www.cqoogle.com)

Starting March 1, 2008 the EPAEPTN is returning to its normal time 6:00 PM local time on 3917 khz. However, the net control station each night has the option of moving the net if the QRM rears it's head. The designated alternate frequency will be 3905 khz. If the alternate frequency of 3905 is used, be aware that the Delaware traffic net meet at 6:30 pm. Conclude the EPAEPTN business prior to 6:30 pm.

Brian / KB3PJP has a new call to go along with his new license, now KW3K. Brian also has been appointed PIO for the Eastern Pennsylvania District 2.

## BRAIN TEASER

By Bob / KE3AW

There are 7 girls in a room.

Each girl has 7 backpacks.

In each backpack, there are 7 big cats.

For every big cat there are 7 little cats.

Question: How many legs are there in the room?

## EXECUTIVE COMMITTEE 2007 – 2008

### OFFICERS

President – Al Wiemann, W3CE ----- w3ce@arrl.net  
Vice President – George E. Wieland III, N3SQD ----- george@bioserv.com  
Secretary – Bob Davis , NQ3X ----- bob@reconstructinghistory.com  
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**PHONE NUMBERS FOR THE OFFICERS 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 Northampton County 911 Center.

TALK IN ON 146.700 (PL 151.4 )

### THE W3OK TRUSTEE DON REAMER, KA3JWE

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

### 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 145.11 ( 151.4 )

### THE NEWSLETTER STAFF

Editor – Don Holmes, KC3II ----- kc3ii@arrl.net  
Web Master – Barry Vogt, N3NVA ----- n3nva@vogtrun.com

Any Comments or articles should be addressed to kc3ii@arrl.net  
Reports, articles, notices and general information should be in before the  
15th of the month so as to allow enough time for lay out and posting.