

**DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.**

**September 2011**



***W3OK***

***CORRAL***

**Club Meeting September 6<sup>th</sup> 7:30PM  
At the Nancy Run Fire Company**



**George / N3SQD Presenting PIC Programing**

**SEPTEMBER PROGRAM**

**Dave / NB3R**

**The 2009 K5D DXpedition to Desecheo Island**

**MEETING THEME**

**Uniform Nite - Work / Military / Sports Jersey**



**FROM THE PRESIDENT'S SHACK  
GET READY FOR FALL**

Now that it has stopped raining, I can take some time away from my planning to build an ark and let you know about some upcoming events and activities. You may have noticed that the days are starting to get a little shorter and some of the trees have leaves that are starting to change color. That means that summer is drawing to a close and fall will be here shortly

For DLARC, the end of summer means the annual club picnic. This year the picnic will be a little earlier than last year. We will hold the picnic on Sunday, August 28th. We will be at the same location as last year (and the same location as this years field day), the Louise Moore Park pavilion 5. It will start at noon and run until we get tired or until the park closes. The club provides burgers and dogs as well as drinks. If you can bring a side dish or dessert, it would be appreciated. If you are planning to attend, let Al W3CE know so that we can estimate the amount food and beverages required.

As elsewhere the August / September period is "back to school" time. This is true for the club as well. We will begin our regular Tuesday night amateur radio classes on September 13th. The classes will begin at 7PM and are held at the Northampton County 911 Center. There will be a class for the Tech license and, if there is interest, a class for those looking to upgrade to General. If you are interested in either of these classes please let Bob KE3AW know.

Also in September, at the club meeting, the nominations of officers and board members (to be elected at the October meeting) will be presented. The nominations are typically closed at the September meeting. So, if you (or someone you know) are interested in serving in any of these positions, please get in contact with Dave N3EYT prior to the September meeting.

All of this builds up to October, perhaps the busiest month for the club. As stated above the election of officers and board members occurs this month. In addition, one of the most active contest for the club is the PA QSO party. Which this year will be the weekend of October 8<sup>th</sup> & 9<sup>th</sup>. Be sure to mark your calendar. If you will not be able to participate from home, please consider coming to the milk-house and helping operate there. It would be great if DLARC could once again win this event.

Finally, there are several other events during the month that will require volunteers. Al W3CE is chairing the Lehigh Wheel-men bicycling event. Ben KB3CTX will be coordinating the Black Bear bicycling event. And, Bob KE3AW, will again be handling the Emmaus Halloween parade. If you can assist in any (or all) of these events, please let the appropriate coordinators know.

I hope to see you all at the picnic ( and the September meeting).

73 - N3SQD / George

**SEPTEMBER 2011 QUICK CHECK CALENDAR**

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				<b>1 DLARC MEETING</b>	<b>2 V. E. SESSION</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7 DLARC RACES/ARES Net (WO3P)</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13 FALL CLASSES BEGIN</b>	<b>14 DLARC RACES/ARES Net (KB3CTX)</b>	<b>15</b>	<b>16</b>	<b>17 NewsLetter Articles Deadline</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21 DLARC RACES/ARES Net (W3CE)</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28 DLARC RACES/ARES Net (KC3II)</b>	<b>29</b>	<b>30</b>	

**SEPTEMBER CONTESTING AT THE OK CORRAL**

September 3<sup>rd</sup> & 4<sup>th</sup> – All Asian DX Contest - SSB

September 10<sup>th</sup> & 11<sup>th</sup> – WAE DX Contest - SSB

September 17<sup>th</sup> & 18<sup>th</sup> – Scandinavian Activity Contest - CW



### MINUTES FROM THE AUGUST MEETING



The general membership meeting of the Delaware Lehigh Amateur Radio Club inc. was held at the Nancy Run Fire company in Bethlehem Township on August 4<sup>th</sup> 2011.

**Call to Order:** The meeting convened at 1930 hours, President **George / N3SQD** presiding.

**Pledge of Allegiance:** Led by **George / N3SQD**

**Members & Guests in Attendance:** 50 with 3 guests

#### REPORTS:

**Approval of the minutes:** 1<sup>st</sup> **Dave / NB3R**, 2<sup>nd</sup> **Dave / N3EYT** – Motion Carried

**Approval of the Treasurer's Report:** 1<sup>st</sup> **Dave / N3EYT**, 2<sup>nd</sup> **Ken / N3IYX**. -- Motion Carried.

**Repeater** – No new conditions.

**Web-site:** **Brad / W3JXQ** reported changes to logging on process and he was working on the telephone number listings.

**VE Session:** No VE session this month, the new session will be September 2<sup>nd</sup> at the Northampton County 911 Center.

**Club Station:** **Dave / K3GMT** – Attendance continues to be up and an amplifier had been added for the TS-590.

**Membership:** **Dave / K3GMT** - Candidates presented for membership were **Jim / KB3WGE** 1<sup>st</sup> **Bob / KB3ULG**

2<sup>nd</sup> **Gary / N2AUO** – Motion Carried. **Elix / AC7HU** 1<sup>st</sup> **Dave / N3EYT**, 2<sup>nd</sup> **Jeff / N3QO** - Motion Carried

#### EVENTS:

**Picnic** – August 28<sup>th</sup> - **AI / W3CE** reminded the membership of the need for their information to make final plans for the event,

**Lehigh Wheelmen** – October 2<sup>nd</sup> - **AI / W3CE** announced the need for operators for the Gap Gallop Century Run.

**Project Lifesaver** – **AI / W3CE** gave more details on this joint operation with the Northampton County Council on Aging.

**Emmaus Halloween Parade** - October 15<sup>th</sup> - **Bob / KE3AW** reminded the membership of this annual event and its need for operators.

**Black Bear Bike Run** – October 15<sup>th</sup> – **Ben KB3CTX** reminded the membership of the need for operators for this event.

**Pennsylvania QSO Party** – October 7<sup>th</sup> & 8<sup>th</sup> – **Ray / W3TDF** reminded the membership of the event, with more details at next month's meeting.

**Ham Fest 2** – **Dave / NB3R** requested that members let him know how much table space will be needed.

#### OLD BUSINESS:

**Nominations for the 2011 – 2012 Executive Committee** – **Dave / N3EYT** – nominations would be taken at the September Meeting.

**Club Store** – **Pete / NL7XM** – Open for business

**Newsletter** – **Pete / NL7XM** – Requested that any member not receiving his 'push' version, to check their email address on the club roster.

#### NEW BUSINESS:

No New Business.

**Program:** **George / N3SQD** - PICT Programming

**September Theme:** Uniform Nite - Work / Military / Sports Jersey

**Adjournment:** Meeting adjourned at 8:20 by **George / N3SQD**. 1<sup>st</sup> **Dave / NB3R**, 2<sup>nd</sup> **Jon / NJ3I**

Respectfully submitted by

**Doreen / KB3PDL, Secretary**

### 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 at nl7xm@arrl.net. The winner must be present at the next Meeting to receive it, or it goes unrewarded. Officers, Board members, and Brain Teaser Authors are not eligible to win."

de **NL7XM**

### AUGUST BRAINTEASER ANSWER

Each word has letter pairs that appear both frontwards and backwards.

The winner is  
**Paul / N0KIA**



### SEPTEMBER BRAINTEASER

Why is it very common to have a 9 minute snooze interval on alarm clocks, why not 10 instead?

## AUGUST MEETING PROGRAM



George / N3SQD presented "PIC Programming". PIC is a family of Harvard architecture microcontrollers made by , derived Microchip Technology, originally developed by General Instrument's Microelectronics Division. The name PIC initially referred to "Peripheral Interface Controller".

PICs are popular with both industrial developers and hobbyists alike due to their low cost, wide availability, large user base, extensive collection of application notes, availability of low cost or free development tools, and serial programming (and re-programming with flash memory) capability.

George demonstrated how with a perf board some 22 gauge wire and various PIC how cheap and easy controls could be made for various applications. His demonstration included a flashing LED and a constant time temperature read out. Also how depending on the use a PIC processor could be cheap and also expensive, your application would determine the actual cost.

## HAM CLASSES

On September 13th DLARC will begin this fall's series of free amateur radio classes for non-licensed persons who wish to learn about amateur radio and earn their licenses. DLARC also is planning General Class license upgrade classes starting at the same time. If you know anyone interested in this offer contact [KE3AW@arrl.net](mailto:KE3AW@arrl.net) or telephone 610.432.8286. Likewise, if YOU are interested in upgrading your license contact me at by email or phone.

**Bob / KE3AW**



## AUGUST THEME WINNER

The August Theme was Beachwear / Bathing Suit Nite. And the winner was **Doreen / KB3PDL**.

## NEW DXCC ENTITY

The Republic of South Sudan Is Now a DXCC Entity

At 10:18 AM (EDT) on Thursday, July 14, the UN General Assembly met to vote on whether or not to admit the Republic of South Sudan as its 193rd member state. The Republic of South Sudan was unanimously admitted and is now a member of the United Nations; a two-thirds majority is needed to become a member of the UN.

Immediately following the General Assembly meeting, the flag of the Republic of South Sudan flew for the first time in front of the UN, ceremoniously marking its membership in the UN.

Now that the Republic of South Sudan is a member of the United Nations, the new country is now a DXCC entity by way of Section II, 1(a) of the DXCC rules. The DXCC Desk will begin immediately accepting QSOs for this new entity, with a start date of July 14, 2011.

According to DXCC Manager Bill Moore, NC1L, the Honor Roll numbers move from 340 to 341 for the Top of the Honor Roll, and for Honor Roll it becomes 332. "The deadline for the Honor Roll and annual listings is December 31, so you must submit the new entity to DXCC by then in order to retain your Honor Roll status," Moore explained.

"For Logbook of The World (LoTW), you may submit all your QSOs with the Republic of South Sudan stations anytime. There is no need to hold them out of your log or do anything differently from what you already have been doing. You do not need to assign country names or identifiers. After we issue certificates to the Republic of South Sudan license holders, LoTW will make matches and assign the correct entities automatically."

As of July 14, the International Telecommunication Union (ITU) has not announced a prefix block for the Republic of South Sudan.

## IT WAS A PLEASURE TO SERVE YOU

To All,

The time has come for me to step down as Section Manager for the ARRL Eastern Pennsylvania Section. I will be serving the remainder of this present term.(ends March 31, 2012) However, when nominations for the next term begin I will not be among the candidates. Nor will I be able to accept any "draft" attempts.

With 32+ years of service in the E.PA. Section (EC, DEC, SEC, ASM & SM) I feel that my effectiveness and spirit is greatly reduced. Without the spirit to perform the job I cannot continue. This is the main reason I am declining further service. However, added to the equation, increasing age and decreased physical ability, caring for a larger property is a considerable drain. My wife and I must start to focus on down sizing. I will remain somewhat active in Amateur Radio by continuing to assist my local club (DDXA) with their efforts as well as some net responsibilities.

I would like to take this opportunity to thank everyone for their kind support. A special Thank You goes to all of the E.Pa. Section Staff for a job well done. Outside the E.Pa. Staff, the support and cooperation has been exceptional. I want to extend a special acknowledgment to W.Pa. Section Manager John Rodgers, N3MSE, who will remain a friend, as well as other W.Pa. Hams for their assistance and friendship as well as the Atlantic Division Leadership.

Thank you also to the ARRL Headquarters staff who have been so helpful.

The Eastern Pennsylvania Section ranks among the best of the country. I encourage all qualified and willing candidates to apply for the position. Make no mistake, there is work involved in the position. Watch for the October 2011 "QST" which will have a small article signaling the opening of Section Manager nominations. Details are also available on ARRL's web site.

From the bottom of my heart "THANK YOU" to everyone.

73,

Eric D. Olena, WB3FPL

ARRL Section Manager, Eastern Pennsylvania

## VE TEST SESSION

There will be a test session this month on September 2<sup>nd</sup> at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact **George / N3SQD** at [george@bioserv.com](mailto:george@bioserv.com) or **AI / W3CE** at [w3ce@arrl.net](mailto:w3ce@arrl.net)

## PENNSYLVANIA QSO PARTY 2011

October 8<sup>th</sup> and 9<sup>th</sup> are the dates for the 2011 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 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 Nittany ARC will be adding a new class for the 2011 party. They have been getting more Multi-op mobiles in the party in recent years, so they are going to divide the mobile division into Single-Mobile, and Multi-Mobile classes. This way the two different classes will be better able to compete. So it not too early to begin to get ready for the event.

## LEHIGH WHEELMEN 2011 GAP GALLOP

The Gap Gallop's great scenery, varied terrain and lightly traveled roads make it one of the most enjoyable centuries in the Northeast. Starting at the Northampton Community College, the 100 mile route crosses the Kittatinny Ridge (Blue Mountain) at Little Gap in Danielsville, then meanders for miles through the heavily wooded and sparsely populated countryside north of the mountain. The Gallop returns via the Delaware Water Gap, where the Delaware River makes a spectacular cut through the ridge. A 68-mile option crosses Little Gap with the 100, but returns through Wind Gap. Riders always appreciate the predominately downhill final 25 miles of both routes! There is also a 50 mile option, which runs along the south side of the Blue Mountain without crossing the ridge.

**AI / W3CE** is looking for operators to man the SAG wagons and the various check points. There will be a sign-up sheet at the meeting, or AI can be contacted at [w3ce@arrl.net](mailto:w3ce@arrl.net).

## UP COMING EVENTS

August 28<sup>th</sup> – DLARC Picnic

September 1<sup>st</sup> – Nominations for the 2011 – 22012 Executive Committee

September 13<sup>th</sup> - Entry level and General Ham Radio Classes

October 2<sup>nd</sup> – Lehigh Wheelmen Gap Gallop

October 8<sup>th</sup> & 9<sup>th</sup> – Pennsylvania QSO Party

October 15<sup>th</sup> – Black Bear Bike Run

October 15<sup>th</sup> – Emmaus Halloween Parade

Your participation is requested for these events. Especially October 15<sup>th</sup> when we are supplying communications for the Black Bear Run in the morning and afternoon and the Emmaus Halloween Parade in the evening.

## NEW MEMBERS

The DLARC is continuing to grow, so be sure to greet our new members, shake their hands, and give them a warm welcome

to our club. The newest members are **Jimi Uttard / KB3WGE**, and **Elixander Valladares / AC7HU**.

### **MY BROTHER MIKE'S WB3KWE DLARC CLUB BADGE FROM 32 YEARS AGO**

They say it's a small world and modern technology is making it smaller. As a former C.B.er, I am happy that I upgraded my radio status to amateur radio. My younger brother Mike was into it when I was into C.B.. Attending the DLARC meeting last Thursday I was surprised to find Mike's DLARC club badge from 32 years ago. He has been out of the amateur loop for a while and I'm hoping that he gets back into it. I recently got my ticket in early July & I've met a lot of very friendly people on the 2 meter airwaves. I've also had a radio reunion with the drummer of the band I used to sing lead vocals in. He is an amateur radio operator as well and owns a repeater in Easton, W3IFI. I wanna thank DLARC for that radio keepsake and the welcome aboard I received when I joined the club.

**73's Jimi Uttard / KB3WGE**

### **COFFEE FILTERS**

**Better than paper towels and a lot less expensive...**

**Who knew! And you can buy 1,000 at the Dollar Tree for \$1.00, even the large ones.**

1. Cover bowls or dishes when cooking in the microwave. Coffee filters make excellent covers.
2. Clean windows, mirrors, and chrome... Coffee filters are lint-free so they'll leave windows sparkling.
3. Protect China by separating your good dishes with a coffee filter between each dish.
4. Filter broken cork from wine. If you break the cork when opening a wine bottle, filter the wine through a coffee filter.
5. Protect a cast-iron skillet. Place a coffee filter in the skillet to absorb moisture and prevent rust.
6. Apply shoe polish. Ball up a lint-free coffee filter.
7. Recycle frying oil. After frying, strain oil through a sieve lined with a coffee filter.
8. Weigh chopped foods. Place chopped ingredients in a coffee filter on a kitchen scale.
9. Hold tacos. Coffee filters make convenient wrappers for messy foods.
10. Stop the soil from leaking out of a plant pot. Line a plant pot with a coffee filter to prevent the soil from going through the drainage holes.
11. Prevent a Popsicle from dripping. Poke one or two holes as needed in a coffee filter.
12. Do you think we used expensive strips to wax eyebrows? Use strips of coffee filters..
13. Put a few in a plate and put your fried bacon, French fries, chicken fingers, etc on them.. It soaks out all the grease.
14. Keep in the bathroom. They make great "razor nick fixers."
15. As a sewing backing. Use a filter as an easy-to-tear backing for embroidering or appliqueing soft fabrics.
16. Put baking soda into a coffee filter and insert into shoes or a closet to absorb or prevent odors.
17. Use them to strain soup stock and to tie fresh herbs in to put in soups and stews.
18. Use a coffee filter to prevent spilling when you add fluids to your car.
19. Use them as a spoon rest while cooking and clean up small counter spills.
20. Can use to hold dry ingredients when baking or when cutting a piece of fruit or veggies.. Saves on having extra bowls to wash.
21. Use them to wrap Christmas ornaments for storage.
22. Use them to remove fingernail polish when out of cotton balls.
23. Use them to sprout seeds. Simply dampen the coffee filter, place seeds inside, fold it and place it into a zip-lock plastic bag until they sprout.
24. Use coffee filters as blotting paper for pressed flowers. Place the flowers between two coffee filters and put the coffee filters in phone book..
25. Use as a disposable "snack bowl" for popcorn, chips, etc.

**OH YEAH -- THEY ARE GREAT TO USE IN YOUR COFFEE MAKERS**

### **OCTOBER PROGRAM**

The October program is the DLARC mini-hamfest#2. There is no fee to sell at the hamfest. Contact Dave, NB3R at [nb3r@nb3r.com](mailto:nb3r@nb3r.com) if you want to reserve a table.

### **MALPELO DXPEDITION TO GET UNDERWAY IN JANUARY 2012**

The **HK0NA DXpedition to Malpelo** -- an island located approximately 235 miles from Colombia's Pacific coast -- is scheduled for January 22-February 6, 2012. Organized by the DX Radio Amateur Club (**DXARC**) out of Colombia, the DXpedition boasts an international team of 16 operators from eight countries. Malpelo is currently #12 on **DX Magazine's 100 Most Needed Countries Survey**.

According to DXpedition leader Jorge Prieto, HK1R, the HK0NA Team will depart from Buenaventura, Colombia on January 22 for the boat trip to Malpelo. Depending on sea and landing conditions, they expect to be on the air within 36 hours after landing on Malpelo. They will be using SSB, CW and Digital modes on 160-6 meters. Operations are planned on 160-6 meters on CW, SSB and Digital modes, including EME.

Malpelo is an uninhabited island, except for a small military post manned by the Colombian Army, which was established in 1986. Visitors to the island need a written permit from the Colombian Ministry of Ecology. In July 2006, Malpelo was declared a natural World Heritage Site by UNESCO. In 1969, 12 radio amateurs -- including then-ARRL President Bob

Dennison, W0DX/VP2VI (SK) -- undertook a DXpedition to Malpelo Island where they encountered pirates and sharks.

### THE MAYONNAISE JAR

When things in your life seem almost too much to handle, When 24 hours in a day is not enough; remember the mayonnaise jar and 2 cups of coffee.

A professor stood before his philosophy class and had some items in front of him.

When the class began, wordlessly, he picked up a very large and empty mayonnaise jar and start to fill it with golf balls. He then asked the students if the jar was full. They agreed that it was.

The professor then picked up a box of pebbles and poured it into the jar. He shook the jar lightly. The pebbles rolled into the open areas between the golf balls. He then asked the students again if the jar was full. They agreed it was.

The professor next picked up a box of sand and poured it into the jar. Of course, the sand filled up everything else

He asked once more if the jar was full. The students responded With an unanimous 'yes.' The professor then produced two cups of coffee from under the table and poured the entire contents into the jar, effectively filling the empty space between the sand. The students laughed.

'Now,' said the professor, as the laughter subsided, 'I want you to recognize that this jar represents your life. The golf balls are the important things - God, family, children, health, friends, and favorite passions Things that if everything else was lost and only they remained, your life would still be full.

The pebbles are the things that matter like your job, house, and car.

The sand is everything else -- The small stuff.

'If you put the sand into the jar first,' he continued, 'there is no room for the pebbles or the golf balls. The same goes for life. If you spend all your time and energy on the small stuff, You will never have room for the things that are important to you. So...

Pay attention to the things that are critical to your happiness. Play with your children. Take time to get medical checkups.

Take your partner out to dinner. There will always be time to clean the house and fix the dripping tap.

'Take care of the golf balls first -- The things that really matter. Set your priorities. The rest is just sand.'

One of the students raised her hand and inquired what the coffee represented. The professor smiled.

'I'm glad you asked'. It just goes to show you that no matter how full your life may seem, there's always room for a couple of cups of coffee with a friend..'

### VANITY CALL SIGN FEE TO GO UP IN SEPTEMBER

On August 10, the FCC announced via a *Final Rule* in the *Federal Register* that the cost of an Amateur Radio vanity call sign will increase 90 cents, from to \$13.30 to \$14.20. The new fees take effect 30 days after publication, making September 9, 2011, the first day the new fee is in effect. Earlier this year, the FCC **released** a *Notice of Proposed Rulemaking and Order (NPRM)*, seeking to raise the fee for Amateur Radio vanity call signs.

"The Commission tries to keep the regulatory fee for Vanity call signs as minimal as possible," explained the FCC in its *Final Rule*. "Between FY 2007 and FY 2010, the regulatory fee for Vanity call signs increased from \$1.17 (per year) to \$1.33 (per year), an increase of \$0.16 per year or \$1.60 over a ten-year license period. We do not believe this increase is inequitable, and the Commission will continue its efforts to keep this fee as minimal as possible. The fees that are collected from Vanity call signs are used to offset the cost of monitoring and researching new call sign requests to prevent the issuance of duplicate call signs."

The vanity call sign fee has fluctuated over the 14 years of the current program -- from a low of \$11.70 in 2007 to a high of \$70 (as first proposed in the FCC's 1994 *Report and Order*). In FY 2011, the FCC expects to grant 14,600 vanity call signs, bringing in \$207,320 from the vanity call sign program, and looks to recover a total of \$336,599,048 in fees from all the Services that it regulates.

The vanity call sign regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new term. The first vanity call sign licenses issued under the current Amateur Radio vanity call sign program that began in 1996 came up for renewal five years ago. The FCC is authorized by the *Communications Act of 1934, As Amended*, to collect vanity call sign fees to recover the costs associated with that program.

### WEB PAGE OF THE MONTH

[http://mightyohm.com/files/soldercomic/FullSolderComic\\_EN.pdf](http://mightyohm.com/files/soldercomic/FullSolderComic_EN.pdf)

### 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.

### **THE STORY BEHIND THE STORY OF PENICILLIN**

Everyone knows that the Scottish scientist Alexander Fleming discovered penicillin in some moldy bread in his laboratory at St Mary's Hospital in London. Penicillin was one of the first antibiotics discovered and is still one of the most widely used to combat bacterial infection. Although the story of Fleming's discovery is true, he wasn't the first to observe the beneficial effects of penicillin, which is derived from the penicillium fungi commonly found in mold.

Bread with blue mold growing on it was used to treat infected wounds during the middle ages – Arabian stable masters, for example, used it to cure sores on horses. In 1896, a French medical student named Ernest Duchesne submitted a paper on penicillin's healing properties to the Institute Pasteur, but his findings were ignored because of his youth. A Costa Rican doctor Clodomiro Picado Twight, reported similar observations on the effects of the Penicillium fungi in treating infections, but his discovery won little attention.

On September 28, 1928, Fleming noticed blue-green mold growing on a plate of Staphylococcus bacteria that had been left open. The mold produced a halo of inhibited bacterial growth from which Fleming concluded that the mold contained a substance that resisted the bacteria.

It wasn't until the 1940's though, that the active ingredient in Penicillium was identified and the doctors began using it to treat infections.

### **AMAZING, SUPER-TOUGH SPIDER SILK OF MADAGASCAR**

Madagascar, off the coast of eastern Africa, is the fourth biggest island in the world. There, large female golden orb spiders (found throughout the Tropics) weave giant webs of lustrous saffron silk fibers that are 5 to 6 times stronger than high-grade steel of the same weight, and about as strong as Kevlar that is used for body armor. Spider silk is super-strong but lightweight, and stretchable to about 40% of its length. Believe it or not, about a pound of its fine filament would encircle the entire globe. Spider silk is believed to have antiseptic properties and has been used to heal wounds.

Supposedly, in 1710, a wealthy Frenchman collected enough spider silk to produce "an entire suit of clothes for king Louis XIV." Sporadically, spider silk has been used by Indo-Pacific fishermen for simple nets and line. Though time-to-time there is grand hoopla, so far commercial attempts to replicate spider silk have mostly failed. Currently there is only one known example of cloth made from spider silk. It took over a million Madagascan spiders four years to spin the thread which was then woven at a cost of more than half a million dollars into a lush golden-hued textile about 4 feet by 11 feet long. This unique, rare gossamer silk cloth with geometric, bird, and floral motifs is currently on exhibit at the **Grand Gallery** in the **American Museum of Natural History** in **New York City**.

### **FIRST AID**

A young man sprinkling his lawn and bushes with pesticides wanted to check the contents of the barrel to see how much pesticide remained in it. He raised the cover and lit his lighter; the vapors inflamed and engulfed him. He jumped from his truck, screaming. His neighbor came out of her house with a dozen eggs, yelling: "bring me some eggs!" She broke them, separating the whites from the yolks. The neighbor woman helped her to apply the whites on the young man's face. When the ambulance arrived and when the EMTs saw the young man, they asked who had done this. Everyone pointed to the lady in charge. They congratulated her and said: "You have saved his face." By the end of the summer, the young man brought the lady a bouquet of roses to thank her. His face was like a baby's skin.

Healing Miracle for burns:

Keep in mind this treatment of burns which is included in teaching beginner fireman this method. First aid consists to spraying cold water on the affected area until the heat is reduced and stops burning the layers of skin. Then, spread egg whites on the affected area.

One woman burned a large part of her hand with boiling water. In spite of the pain, she ran cold faucet water on her hand, separated 2 egg white from the yolks, beat them slightly and dipped her hand in the solution. The whites then dried and formed a protective layer. She later learned that the egg white is a natural collagen and continued during at least one hour to apply layer upon layer of beaten egg white. By afternoon she no longer felt any pain and the next day there was hardly a trace of the burn. 10 days later, no trace was left at all and her skin had regained its normal color. The burned area was totally regenerated thanks to the collagen in the egg whites, a placenta full of vitamins.

This information could be helpful to everyone!

### **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 operators should contact Don / KC3II at [kc3ii@arrl.net](mailto:kc3ii@arrl.net). The NIMS IS-700 and ICS-100 courses are not required to be a net control, but should the need arise and we do supply controls and operators for real emergencies, then the courses requirement will be in effect and EMA issued IDs will be needed to be on the scene of an emergency..

### **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](http://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.

**F.Y.I.**

The winners of the August Prizes were **Dave / NB3R** and **John / NC3T**  
The October Program will be Hamfest #2 at The Nancy Run Fire Company

The D.L.A.R.C. meets the "FIRST" Thursday of each month. Membership, friends and interested persons meet at the Nancy Run Fire Company Social Hall ( 3564 Easton Avenue, Bethlehem, Pa. 18020 ) at 7:30 PM. Committee reports and announcements of all present and future activities will be presented at that time. Followed by that month's program.

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

D-Star Mid-Atlantic Regional net meets the second and fourth Tuesdays of each month on the 147.165 port with a number of other repeaters in Eastern Pennsylvania, New Jersey and New York City area .

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. Every member of the D.L.A.R.C. Is welcome to contribute articles of interest to this newsletter. Opinions, items of interest, and even suggestions towards the improvement of newsletter and/or the DLARC, itself would also be accepted, as a sort of "Letters to the Editor" section.

The Milkhouse telephone number is 484-895-7038.

**EXECUTIVE COMMITTEE 2010 – 2011  
OFFICERS**

President – George E. Wieland III / N3SQD ----- president@dlarc.org  
Vice President – Ben Ramig / KB3CTX ----- vicepresident@dlarc.org  
Secretary – Doreen Gramling / KB3PDL ----- secretary@dlarc.org  
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

**BOARD of DIRECTORS**

Gary De Mave / N2AUO ----- captiangdm@gmail.com  
Bob Oppen / NE2C ----- ne2c@arrl.net  
Al Wiemann / W3CE ----- w3ce@arrl.net  
Jon Matson / NJ3I ----- cjfishing@rcn.com  
Jay Mason / N3OW ----- n3ow@rcn.com  
Jeff Welsh / N3QO ----- jeff@jeffwelsh.net

**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 Nancy Run Fire Company  
TALK IN ON 146.700 (PL 151.4 )

**THE W3OK TRUSTEE --- Jon Matson / NJ3I**

**The W3OK Corral is published monthly and is the Official Publication of the  
DELAWARE LEHIGH AMATEUR RADIO CLUB INC.  
14 Gracedale Avenue  
Nazareth, Pa. 18064-9211**

**ARES, RACES AND DLARC NET**

All Radio Amateurs are welcome to participate in the ARES, RACES and DLARC net. This net meets Wednesday at 1900 hours local time, on the W3OK Repeater 51.76, 146.70 and 444.90 ( pl 151.4 ). With an alternate frequency of 147.370 ( 167.9 ) W3OI Repeater.

**THE NEWSLETTER STAFF**

Editor – Don Holmes / KC3II ----- editor@dlarc.org  
Web Master – Brad Snyder / W3JXQ ----- w3jxq@dlarc.org  
Photographer – Dave Arwood / NB3R ----- nb3r@nb3r.com  
Circulation – Pete Varounis / NL7XM ----- nl7xm@arrl.net

