

**DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.**

*July 2011*



# *W3OK*

# *CORRAL*

**Club Meeting July 7th 7:30 PM  
At the Nancy Run Fire Company**



**AI / W3CE Presenting APRS Program**

**MEETING PROGRAM**

**Dave / NB3R**

**CW Skimmer ( Live Demo )**

**MEETING THEME**

**Red, White & Blue  
(Patriotic Nite)**

## FROM THE PRESIDENT'S SHACK

### Summer is here.



They say that time passes more quickly as we age. That is certainly consistent with my perception. It seems that winter was just a few weeks ago. And, already it's time for Field Day.

This year will be the first year in at least 15 years that we will not be participating in the event from the Plainfield Farmers Grove. Last year the board decided that we should try a different location and the Louise Moore Park in Northampton County was chosen as the destination. We will be based in the large Pavilion #5 on the East side of the park. While there are not as many suitable (for wire antennas that is) trees at the site, we feel that we have enough portable masts within the club membership to make up for that shortage. By participating in Field Day from a different site, it will challenge our abilities to setup in a fresh location (much as would be expected in emergency operations). We had become awfully familiar with the setup at Plainfield.

Similar to last year, we will have a "pot luck" dinner Saturday evening. In all my years of attending Field Day, I don't ever recall a shortage of food. I'm sure this year will be no different.

One aspect that we are hoping will be different is public participation. We chose Louise Moore park due to its' more centralized location. Given that, we hope that more of the government officials that we have invited will take the opportunity to attend. In addition, we hope that more of the general public will stop by and learn a little about amateur radio.

Propagation this year has been improving in "fits and starts", but we are still closer to the bottom of the sunspot cycle than the top (I hope). As long as we are wishing for some good space weather, we should also wish for some good weather of the meteorological kind. I haven't looked at the long range forecast, as I just don't put much faith in something that far out.

Switching frequencies, it is time to start thinking about candidates for the board and officers of the club. If you haven't been an officer or board member and would like to contribute in that capacity, let Dave N3EYT know of your interest. Come to think of it, even if you are or were a board member or officer and would like to continue to serve, or serve again, contact Dave and let him know your intentions.

As for myself, my term is coming to an end. The club presidency is term limited to two years followed by service on the board as the ex-president.

For any of you considering this, but are hesitating thinking that you "haven't done anything like this", there is a first time for everything. For all of us serving, at some point, it was a first time. There is usually quite a bit of carry-over on the board, and so there is no shortage of help with coming up to speed on the various duties. Elections are in October.

That's all for now. I hope to see you all at Field Day.

73 – George / N3SQD

### JULY 2011 QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4 	5	6 DLARC RACES/ARES Net (KR3U)	7 DLARC MEETING	8 V. E. SESSION	9
10	11	12	13 DLARC RACES/ARES Net (NB3R)	14	15	16
17 NewsLetter Articles Deadline	18	19	20 DLARC RACES/ARES Net (WO3P)	21	22	23
24	25	26	27 DLARC RACES/ARES Net (KB3CTX)	28	29	30
31						

### JULY VE SESSION

There will be a test session this month on July 8<sup>th</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 **Al / W3CE** at [w3ce@arrl.net](mailto:w3ce@arrl.net).



## MINUTES FROM THE JUNE 2<sup>nd</sup> 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 June 2<sup>nd</sup>.

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

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

**Members & Guests in Attendance:** 47 with 1 guest

### REPORTS:

**Approval of the minutes:** 1<sup>st</sup> **Gary / N2AUO**, 2<sup>nd</sup> **Wendell / KB3UNB** – Motion Carried

**Approval of the Treasurer's Report:** 1<sup>st</sup> **Terry / KB3VFB**, 2<sup>nd</sup> **Jay / N3OW** – Motion Carried.

**Repeater/ Web-site:** **Bill / K3ANS** reported the repeater signal strength seemed lower. **Barry / N3NVA** to check **Web Site:** **Bill Murphy / W0RSJ** listed telephone number incorrect.

**VE Session:** July 8, 7 PM at the Northampton County 911 Center. Ad Hoc Session - 2nd or 3rd week of this month. Or maybe at Field Day, June 25<sup>th</sup>.

**Club Station:** **Dave / K3GMT** – The Milkhouse has a new Kenwood TS 590.

**Membership:** **Dave / K3GMT** – 176 members. **Pete Golian / KB3 VZQ** presented for membership. 1<sup>st</sup> **Carl / AA3IX**, 2<sup>nd</sup> **Bob / KB3ULG** -- Motion Carried

### EVENTS:

**Hanover 5K:** June 11th 9 am contact Charley N3WXO, if you would like to help out

**Field Day:** **Tom / KB3IUE** June 25-26 - Louise Moore Park Meet at Barn, Friday June 24th, 7 PM to transport equipment. Saturday, June 25th at 9:00 AM Antenna Group, Power Group. Saturday/Sunday normal operations. Sunday breakdown/put away Pot Luck Dinner Saturday evening – **Ed / AA3OU** made a requested \$350.00 to spend for food. 1<sup>st</sup> – **Jeff / N3QO**, 2<sup>nd</sup> **Dave / N3EYT** – Motion Carried  
Drill to put up antenna at Louise Moore Park east side

**Picnic:** **Al / W3CE** August 28, Louise Moore Park

### OLD BUSINESS:

Dayton Hamvention - open comments

### NEW BUSINESS:

Nominating committee - Looking for new members for the board - candidates to run

**Barry / KU3X** – Posted notice in the Milkhouse listing club station protocol - use your call or club call –lend items out. New radio is for special events - look into before things get confused. A quick cheat sheet how-to for different radios (Nifty Manuals) Milkhouse use computer log- act as a control operator

**Al / W3CE** - make a motion to buy a new MC 60 desk mike for new TS-590. 1<sup>st</sup> **Dave / KA3IWC**, 2<sup>nd</sup> **Barry / KU3X** – Motion Carried

**Bill / K3ANS** to donate computers to club

**Bob / KE3AW - Glen / N3ULW** has equipment for sale for about two weeks

**June Program:** **Al / W3CW** – APRS

**July Theme:** Red, White & Blue, (Patriotic)

**Adjournment:** Meeting adjourned at 8:10 by **George / N3SQD**. 1<sup>st</sup> **Jay / N3OW**, 2<sup>nd</sup> **Gary / N2AUO** –Motion carried

Respectfully submitted by

**Doreen / KB3PDL, Secretary**

### JUNE MEETING THEME WINNER

The cowboy boot winner was **Bob / KE3AW** who bested a field of one to become this month's theme winner.

### JULY CONTESTING AT THE OK CORRAL

July 2nd & 3rd – Venezuelan Independence. Day Contest

July 9<sup>th</sup> & 10<sup>th</sup> – IARU HF World Championship

July 16<sup>th</sup> & 17<sup>th</sup> – Feld Hell Sprint

July 24<sup>th</sup> – WAB 144 MHz QRO Phone

July 30<sup>th</sup> & 31<sup>st</sup> - RSGB IOTA Contest



### NEW MEMBER

The DLARC is continuing to grow, so be sure to greet our new member, shake their hands, and give him a warm welcome to our club. The newest member is **Pete Golian / KB3VZQ**.

### NOTICE

**Ray / W3TDF** turned 87 on the 19<sup>th</sup> of June

## 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](mailto: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**



### JUNE BRAINTEASER ANSWER

#### A COFFIN

The winner is **Bob / KE3AW**

### JULY BRAINTEASER

**My posterior is adorned with feathers.  
I have a long neck, and a pointy nose.  
I can fly, but I have no wings.  
What am I?**



## NEWS FROM THE MILKHOUSE

The number of visitors to the Milk House remained steady at about 100 for the month with the usual cast of characters.

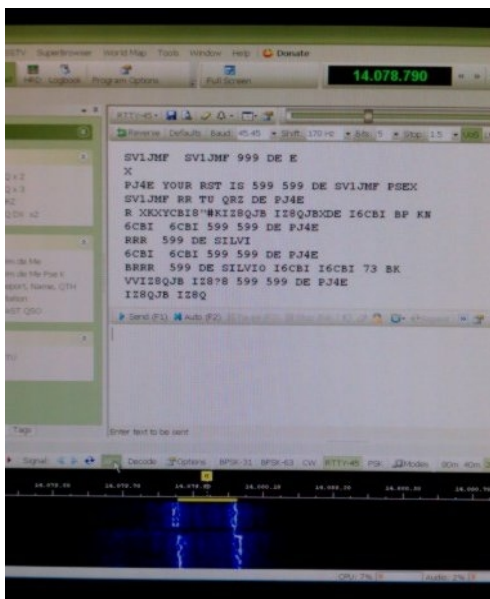
The QRPers have thawed out and can be seen working DX from the picnic table outside the Milk House most Wednesday evenings.



The club's new Kenwood TS-590 is set up and capable of running all modes. Setting up the 590 for computer rig control and digital modes is very easy since only one USB cable from the radio to the computer is necessary.



The filtering on the 590 is also very good and easy to use for digital modes. Below is a photo of the digital program DM780 decoding RTTY-45 with the TS-590 filter set for about 500hz.



If you are looking to purchase a new HF radio, the Kenwood TS-590 should be on your list. Come to the Milk House and give it a test drive.

The Milk House is open Tuesday and Wednesday evenings and most Saturday's. Stop by and work a few contacts at your club station.

de Dave / NB3R

### 2011 ATLANTIC HURRICANE SEASON FORECAST "Above Average"

Forecasters with the National Hurricane Center ([NHC](#)) are calling for an "above-average" Atlantic hurricane season for 2011. In its initial outlook for the 2011 Atlantic hurricane season -- which runs from June 1-November 30 -- the National Weather Service's Climate Prediction Center ([CPC](#)) is calling for a 65 percent probability of an above-normal season, a 25 percent probability of a near-normal season and a 10 percent probability of a below-normal season. -- ARRL

### FEMA ADMIN PRAISES HAMS

By Dan Romanchik, KB6NU

At the Earthquake Communications Preparedness Forum, held on Tuesday, May 3, 2011 in Washington, DC, FEMA Administrator, Craig Fugate, had some kind words to say about ham radio. He noted that ham radio really is valuable "when all else fails."

The Web page describing the conference <http://www.fcc.gov/event/earthquake-communications-preparedness-forum> has a video of all the talks given at the conference. Fugate's remarks begin at the 18:45 mark. His remarks about amateur radio start at about 29:20.

I think it's great that the head of FEMA thinks so highly of hams. Before you get all excited about this, though, listen to all of Fugate's comments. He has some interesting comments about all of the different ways that responders gather information and provide information to the public in an emergency. I think listening to all of the remarks will help give those of you who are involved with emergency communications more of an overall perspective, and may even help you evolve our role into something that's more useful in the future.

At one point, for example, Fugate held up a cell phone and told the audience to think of this device as both a data point and a sensor. Folks with cell phones can help emergency responders by sending video and audio of the situation, preparing the responders for what to expect when they do arrive. I don't know how many ARES/RACES groups have incorporated video into their emcomm plans, but it sounds like it should be.

Also important, says Fugate, is a solid knowledge of communities, local geography, and place names. I'm not sure if that's normally a part of emcomm training, but it sounds like it should be.

I'll be the first to admit that I'm not an emergency communications geek, so perhaps I'm talking through my hat. It seems to me, however, that it's important to listen to what guys like Fugate are saying and work with them to make amateur radio even more relevant and useful in emergency situations.



## FEMA ADMINISTRATOR CALLS AMATEUR "THE LAST LINE OF DEFENSE"

In an [FCC forum](#) on earthquake communications preparedness, Federal Emergency Management Agency (FEMA) Administrator Craig Fugate described the Amateur Radio operator as "the ultimate backup, the originators of what we call social media." The forum-- held May 3 at FCC Headquarters in Washington, DC -- brought together officials from the White House, the Department of Homeland Security (DHS), the United States Geological Survey (USGS), FEMA, the FCC and the private sector. Fugate and FCC Bureau of Public Safety and Homeland Security Chief Jamie Barnett gave the opening remarks.

Later in the forum, Fugate spoke more on Amateur Radio. "During the initial communications out of Haiti, volunteers using assigned frequencies that they are allocated, their own equipment, their own money, nobody pays them, were the first ones oftentimes getting word out in the critical first hours and first days as the rest of the systems came back up," he told the forum. "I think that there is a tendency because we have done so much to build infrastructure and resiliency in all our other systems, we have tended to dismiss that role 'When Everything Else Fails.' Amateur Radio oftentimes is our last line of defense."

Fugate said that he thinks "we get so sophisticated and we have gotten so used to the reliability and resilience in our wireless and wired and our broadcast industry and all of our public safety communications, that we can never fathom that they'll fail. They do. They have. They will. I think a strong Amateur Radio community [needs to be] plugged into these plans. Yes, most of the time they're going to be bored, because a lot of the time, there's not a lot they're going to be doing that other people aren't doing with Twitter and Facebook and everything else. But when you need Amateur Radio, you really need them."



In an earthquake communications preparedness forum sponsored by the FCC, FEMA Administrator Craig Fugate praised Amateur Radio, saying "...when you need Amateur Radio, you really need it."

## RUSSIA NOW PERMITTING RECIPROCAL LICENSING THROUGH CEPT

On Wednesday, May 18, the European Communications Office (ECO) in Copenhagen added the Russian Federation to the list of those countries that accept the CEPT reciprocal operating arrangements. Now US hams who hold an FCC-issued General, Advanced or Amateur Extra class Amateur Radio licenses may operate in Russia, as well as the other countries covered by the European Conference of Postal and Telecommunications Administrations (CEPT), subject to the regulations in force in the country visited, to operate in those countries.

US amateurs holding an Advanced or Amateur Extra class license will be granted CEPT Radio Amateur License privileges in accordance with [CEPT Recommendation T/R 61-01 \(as amended\)](#). US amateurs with a General class license will be granted CEPT Novice Radio Amateur License privileges, in accordance with [ECC Recommendation \(05\)06 \(as amended\)](#).

While operating an amateur station in a CEPT country, the US amateur must have a copy of the [FCC Public Notice DA 11-221](#), proof of US citizenship and evidence of their FCC license in their possession. They must show these documents to proper authorities upon request.

CEPT countries participating in [ECC Recommendation \(05\)06](#) as of May 18, 2011 are: Belgium, Croatia, Czech Republic, Denmark (including Greenland and the Faroe Islands), Germany, Hungary, Iceland, Liechtenstein, Luxembourg, Montenegro, Netherlands, Portugal, Romania, Russia, Slovak Republic, Slovenia and Switzerland.

CEPT countries participating in [CEPT Recommendation T/R 61-01](#) as of May 18, 2011 are: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark (including Greenland and the Faroe Islands), Estonia, Finland, France (including Corsica, Guadeloupe, French Guyana, Martinique, St Bartholomew, St Pierre and Miquelon, St Martin, Reunion and its Dependencies, Mayotte, French Antarctica, French Polynesia and Clipperton, New Caledonia, and Wallis and Futuna), Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Moldova, Monaco, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine and the United Kingdom (including Northern Ireland, the Channel Islands and the Isle of Man).

## PA GOVERNOR'S PROCLAMATION

After numerous attempts to obtain a proclamation from Governor Corbett's Office K3BHX was finally successful. The 2011 Proclamation is available to download from <http://www.epa-arri.org>. The document is in PDF format and a download link can be found at the bottom of the main page of the above web site or at the bottom of the page for PA Documents at the same site.

Many thanks to Fred, K3BHX for his tireless efforts.

## JUNE PROGRAM



**AI / W3CE** presented his program on **APRS**. It is a two-way tactical real-time digital communications system between all assets in a network sharing information about everything going on in the local area. On ham radio, this means if something is happening now, or there is information that could be valuable to you, then it should show up on your APRS radio in your mobile. APRS also supports global callsign-to-callsign messaging, bulletins, objects email and Voice because every local area is seen by the Internet System (APRS-IS)! APRS should enable local and global amateur radio operator contact at anytime-anywhere and using any device.

The **Automatic Packet Reporting System** was designed to support rapid, reliable exchange of information for local, tactical real-time information, events or nets. The concept, which dates back to the mid 1980's, is that all relevant information is transmitted immediately to everyone in the net and every station captures that information for consistent and standard display to all participants. Information was

refreshed redundantly but at a decaying rate so that old information was updated less frequently than new info. Since the primary objective is consistent exchange of information between everyone, APRS established standard formats not only for the transmission of POSITION, STATUS, MESSAGES, and QUERIES, it also establishes guidelines for display so that users of different systems will still see the same consistent information displayed in a consistent manner (independent of the particular display or mapping system in use). The two images below should give you an idea of the kinds of information available to the mobile operator on his APRS radio. On the left is the Kenwood D710 radio showing the station list, and on the right is the attached GPS with map display showing the location of other APRS stations. . AI finished with a demonstration of the various devices that could be added to existing equipment to enable APRS tracking and then the newest equipment with APRS capability that is ready for use.

## THE 10 COMMANDMENTS OF ELECTRICAL SAFETY

1. Beware of the lightning that lurketh in an undischarged capacitor, lest it cause thee to be bouced upon thy bottom in a most undignified manner.
2. Causest thou the switch that supplies large quantities of juice to be opened, yea, turned firmly off, and thusly tagged, so thy days may be long in this world.
3. Proveth to thyself that all circuits that radiateth, and upon which thou worketh are grounded, lest they lift thee to high-frequency potential and cause thee to radiateth also
4. Take care thou useth the proper method when thou doth take the measure of high voltage circuits, so that thou doth not incenerate both thee and thy meter, for verily I say unto you: though thou are worthless, having no account number and canst be easily replaced, the meter doth have an account number, which will bringeth much woe upon the inventory.
5. Tarry not among those who engage in intentional shocks, for they are surely unbelievers, and are not long for this world.
6. Take care thou tampereth not with interlocks and safety devices, for this incurreth the wrath of thy seniors, and bringeth the sound and fury of the safety officer down upon thine head and shoulders.
7. Worketh thee not on energized equipment, for if thou dost, thy buddies wilt surely be buying beer without thee, and thy space at the bar will be filled by another.
8. Verily, Verily I say unto thee: never service high voltage equipment alone, for electric cooking is a slothful process, and thou mayst sizzle in thine own fat for hours on end before thy Maker see fit to end thy misery and drag thee into his fold.
9. Trifle thee not with radioactive devices and tubes lest thou commence to glow in the dark like unto a lightning bug.
10. Commiteth thee to memory the works of the prophets, which are written in their instruction manuals, for they wilt giveth the straight dope, and consoleth thee, and thou wilt maketh no boo-boos.

And for good measure, the little known added, modern 11th commandment:

11. Be thou not afraid to asketh stupid questions, for verily they are cheaper than stupid mistakes.

## WHAT YOU CAN DO WITH ALKA SELTZER

Clean a toilet. Drop in two Alka Seltzer tablets, wait twenty minutes, brush and flush. The citric acid and effervescent action clean vitreous China .

Clean a vase. To remove a stain from the bottom of a glass vase or cruet, fill with water And drop in two Alka Seltzer tablets.

Polish jewelry. Drop two Alka Seltzer tablets into a glass of water and immerse the jewelry for two minutes.

Clean a thermos bottle. Fill the bottle with water, drop in four Alka Seltzer tablets, and let soak for an hour (or longer, if necessary).

Unclog a drain. Clear the sink drain by dropping three Alka Seltzer tablets down the drain followed by a cup of Heinz White Vinegar. Wait a few minutes, and then run the hot water.

## A BRIDGE TO SUCCESS

In the 19<sup>th</sup> century, engineers doubted they'd ever be able to build a bridge across the Niagara Falls. The problem They couldn't see any way to get a line from one side of the great gorge to the other so that they could begin the project. No boat could cross the river without being pulled over the powerful falls. The other common method, shooting a line from one shore to the other with a bow and arrow was impossible because the gap was too wide.

An engineer named Charles Ellet had an idea. He sponsored a kite flying contest. The prize was \$5 to who ever could maneuver a kite to a height where someone on the other side could grab the string and use it to secure a line that joined the two sides. With that in place, he could begin building the bridge.

Great ideas connect dreams with achievement ---- and often do so with simple tools.

## DID YOU KNOW?

A sealed envelope - Put in the freezer for a few hours, then slide a Knife under the flap. The envelope can then be resealed. Use Empty toilet paper roll to store appliance cords. It keeps them Neat and you can write on the roll what appliance it belongs to.

For icy door steps in freezing temperatures: get warm water and p UT Dawn dish washing liquid in it. Pour it all over the steps. They won't Refreeze. (wish I had known this for the last 40 years!)

To remove old wax from a glass candle holder, put it in the freezer for A few hours. Then take the candle hold ER out and turn it upside down. The Wax will fall out.

Crayon marks on walls? This worked wonderfully! A damp rag, dipped In baking soda. Comes off with little effort (elbow grease that is!).

Permanent marker on appliances/counter tops (like store receipt BLUE!) rubbing alcohol on paper towel.

Whenever I purchase a box of S.O.S Pads, I immediately take a pair of Scissors and cut each pad into halves. After years of having to throw Away rusted and unused and smelly pads, I finally decided that this would Be much more economical. Now a box of S.O.S pads last me indefinitely! In fact, I have noticed that the scissors get 'sharpened" this way!

Blood stains on clothes? Not to worry! Just pour a little hydrogen Peroxide on a cloth and proceed to wipe off every drop of blood. Works Every time! (Now, where to put the body?) LOL

Use vertical strokes when washing windows outside and horizontal For inside windows. This way you can tell which side has the streaks. Straight vinegar will get outside windows really clean. Don't wash windows On a sunny day. They will dry too quickly and will probably streak

Spray a bit of perfume on the light bulb in any room to create a lovely Light scent in each room when the light is turned on.

Place fabric softener sheets in dresser drawers and your clothes will smell freshly washed for weeks to come. You can also do this with towels and linen.

Candles will last a lot longer if placed in the freezer for at least 3 Hours prior to burning.

To clean artificial flowers, pour some salt into a paper bag an d add the Flowers. Shake vigorously as the salt will absorb all the dust and dirt And leave your artificial flowers looking like new! Works like a charm!

To easily remove burnt on food from your skillet, simply add a drop or two of dish soap and enough water to cover bottom of pan, and bring to a boil on stove top.

Spray your TUPPERWARE with nonstick cooking spray before pouring in tomato based sauces and there won't be any stains.

Wrap celery in aluminum foil when putting in the refrigerator and it will keep for weeks.

When boiling corn on the cob, add a pinch of sugar to help bring out the Corn's' natural sweetness

Cure for headaches: Take a lime, cut it in half, and rub it on your Forehead. The throbbing will go away.

Don't throw out all that leftover wine: Freeze into ice cubes for future Use in casseroles and sauces.

To get rid of itch from mosquito bites, try applying soap on the area And you will experience instant relief.

Ants, ants, ants everywhere ... Well, they are said to never cross a chalk line. So, get your chalk out and draw a line on the floor or wherever ants tend to march. See for yourself.

Use air-freshener to clean mirrors. It does a good job and better still, Leaves a lovely smell to the shine.

When you get a splinter, reach for the scotch tape before resorting to Tweezers or a needle. Simply put the scotch tape over the splinter, and Then pull it off. Scotch tape removes most splinters painlessly and easily.

## 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.



## HOMEMADE STINKBUG TRAP

Cheap and easy stink bug trap you can make yourself!!!!!! Costs about \$7  
<http://www.wpxi.com/video/27942903/index.html>

## HIDDEN POISONS IN YOUR CLOTHES

Dangerous chemicals are all around us – even in everyday items that we think of as safe. Here are some of the most common dangers – and what to do.

**WRINKLE-FREE FABRICS – Perflour-chemicals (PFCs) are added** to fabrics for durability, stain resistance and wrinkle resistance. Clothing labeled “No Iron”, “permanent press” and wrinkle free often contain PFCs. PFCs are extremely long lasting in the body because they cannot be broken down and eliminated. They accumulate in the body’s cells and have been linked to reproductive and developmental toxicity, as well as cancers of the liver and bladder.

The chemicals in clothing may be absorbed through the skin or inhaled when they let off the gas from the fabrics.

In addition, synthetic fibers, including polyester and nylon, may contain substances as polyvinyl chloride, a known carcinogen, and phthalates, a group of chemicals that disrupts hormones.

**What to use instead:** Clothes made from 100% natural fibers, such as cotton, linen, wool and cashmere and not labeled “wrinkle-free”, “Stain resistance”, “static resistance” etc.

**DRY CLEANING** – A chemical cleaning solution, usually **perchloroethylene (perc)**, is used to saturate clothing and remove dirt and stains. Unfortunately plenty of the solution remains in clothing fibers after the cleaning is done.

Exposure to perc has been linked to kidney and liver damage. It causes cancer in laboratory animals. Even short-term exposure can result in dizziness, headaches and a rapid heart rate. One study that looked at air samples found elevated levels of perc for up to 48 hours after dry cleaned fabrics were brought into the home.

California and other states have mandated the dry cleaners stop using perc by the year 2023, in the meantime you can .

**AIR IT OUT.** Remove the plastic from dry-cleaned fabrics and hang them out of doors or in a garage or other well-ventilated area for one or two days. If they still have a chemical smell, air them out another day or two.

**USE A BARRIER LAYER.** Wear a t-shirt or other tank top underneath a jacket or other clothing that has been dry-cleaned.

**FIND A “GREEN” DRY CLEANER.** Look for one that uses liquid carbon dioxide. To find a green clean cleaner, go to [www.greencleanerscouncil.com](http://www.greencleanerscouncil.com).

## THE FOUR BONES

The Bluegrass Amateur Radio Society Inc.

The structure of an organization is made up of four kinds of bones. There are the Wishbones, who spend all their time wishing somebody else would do something about this or something about that. There are the Jawbones, who do all the talking, but very little of anything else. Next comes the Knucklebones, who knock everything that the others are trying to do. Finally there are the Backbones, who get under the load and do the work. What part of the organization’s structure are you? If you are a Wishbone, Jawbone, or Knucklebone, what kind of ham are you? Are you happy?

Take a good look at the Backbones in your radio club. These people are not always the board members, but they certainly are the “Doers” in the club. I can well imagine that the backbones also have happy family lives, because it seems that hard work and self-confidence seem to extend into the family and working partnerships as well. What constantly amazes me is the number of Backbones who spend long hours representing or working for the club. They seem to never tire making the Club’s activities successful.

We hear a lot about getting involved. Take it from one who knows, getting involved is the best therapy there is for adjusting to the life of a ham. You’ll see a change for the better not only in yourself, but in your hobby and your club. You’ll suddenly find people are friendlier, there is no spare time to wonder how to fill as there is work to do for each and everyone of us in the club. But, most important of all, you will suddenly realize what you are doing for others. What a beautiful example to set for your children.

So why don’t you take a personal inventory? If you are honest with yourself and find you are a Wishbone, Jawbone or Knucklebone, there is no time like the present to make the change so you, too, can become a Backbone. The dedicated, hard working Backbones will welcome you joining them. Only in this way can the Club continue to serve amateur radio and the community.

## NEWS FROM MIKE / KA3JAW

Here are some television and FM broadcast DX videos I put up on YouTube. For club members on nights when activity is idle if you have a computer with Internet access from the Milk house or at home.

The link below is my YouTube page. Just pick the new. This week I uploaded six new video’s, they are the ones on the far right on top. <http://www.youtube.com/user/GACTVDX#p/u/0/ExlOjY8mDCI>

Some of the videos have static images that last 15 seconds in duration, then the actual video will start playing automatically. I did this to give people more time to read the information at the start-ups.

Since the majority of the TVDX are on the low-vhf band (channels 2-6) with NTSC analog, you can connect a six-meter yagi antenna (with rotor) to your obsolete analog television set to enjoy an adjacent hobby which is free to view that on top of the six meter amateur band.

June and July is the peak for Sporadic-E, so now is the time to enjoy something new.

73's

Mike Schaffer / KA3JAW

Tampa, Florida

**F.Y.I.**

The winners of the June Prizes were **Dave / NB3R** and **Jon / NJ3I**  
The August Program will be "PICT Programming" by **George / N3SQD**

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  
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**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 --- DON REAMER / KA3JWE**

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**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.

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