

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
February 2012



W3OK

CORRAL

Club Meeting February 2nd 7:30PM
At the Bethlehem Area Vo-Tech School
JANUARY PROGRAM



Mel / W3SQ



Col. James Follweiler

Presenting
DIGITAL MODES FOR TODAY'S MODERN MILITARY

FEBRUARY MEETING PROGRAM
HEART HEALTH MONTH
Cardiologist Dr. K. Khalighi, MD



FROM THE PRESIDENT'S SHACK

I'd like to encourage all of you to invite family and friends to this month's meeting. We are going to have a Cardiologist come talk to the club about Heart Health. This obviously is an off topic presentation but one that should be of importance to us all.

February also brings out the groundhog. Will he see his shadow? Whether he does or not it is certainly a reminder that spring is coming shortly and we'll be outside checking our antenna connectors and guy wires, etc. Remember, safety first, especially when climbing.

Spring also brings what some of our members call POPOPs. Loosely abbreviated for pop up operations. I posted to the e-mail forum a Youtube link to one of Barry (D.L.A.R.C. Honorary Life Member) KU3X's POPOP videos; check it out. Outside activity will start to pick up at the Milkhouse (Club station / W3OK) as well.

If you haven't been to the Clubhouse in a while, or never at all, you should really stop by to see it. A lot of work has gone into it especially with the opening up of the generator side of the building. If you have never been there before and aren't sure what you're looking at when you get there or you want to operate, just talk with Dave NB3R, (Clubhouse Chair) or Kenny, (D.L.A.R.C. Honorary Life Member) N3IYX.

I think Kenny came with the building... You'd have to ask George / N3SQD or Al (D.L.A.R.C. Honorary Life Member) W3CE to be sure. Seriously, Kenny has always espoused the opportunities the Clubhouse has for its members way before the great activity we have there now. The first person to e-mail me the word "Icom" gets a free 50/50 ticket at the February club meeting. You're really doing yourself a disservice by not coming out to see the Club's flagship and the wonderful activity going on there.

There is someone there every Wednesday at the latest 7:30 and most Saturdays. Other days try the Club's call sign on the repeater to see if there is anyone answering from the Club station before stopping. We'll have more about the Clubhouse in a future newsletter.

By the next Club Meeting we will be getting lathered up for the Super Bowl. As I sit here, the dance card still includes the Patriots, Ravens, Giants, and 49ers. With the approach of the big game, again, it brings me back to the approach of spring.

Seriously, remember, safety first when getting out there and checking your rigging and towers or whatever. I want to continue to see everyone in one piece and I look forward to a fun, memorable year with the D.L.A.R.C.

Dit dit dit dah dit dah.

Charlie / W3OPA

MINUTES FROM THE JANUARY 5TH MEETING



Call to Order: A general meeting of the Delaware-Lehigh Amateur Radio Club Inc. was held at the Bethlehem Area Vocational Technical School at 3300 Chester Avenue, Bethlehem, PA, on January 5, 2012. The meeting convened at 1932 hrs. with President **Charlie Lazarchak / W3OPA** presiding.

Pledge of Allegiance: Led by **Charlie / W3OPA**

Members in Attendance: 55 with 1 guest, Justin.

Activities of Members: **Charlie / W3OPA** opened the meeting by asking the membership what they had been doing recently?

Al / W3CE reported that he recently upgraded his shack by adding a Yaesu-817 and a new antenna system that can handle bands from 80m to 10m. He has been DXing at 5 watts.

Jeff / N3QO reported doing DXCC at 20 meters and working some CW.

Jimi / KB3WGE shared that he had just acquired his QSL cards. He had fun working the design and is pleased with the result.

Kenny / N3IYX is also DXCCing at 20 meters, sideband.

Welcome to New Location: **Charlie / W3OPA** welcomed the membership to our new location. He wished **Carolyn / K3UMY** well, who had a recent stay at the hospital, and this evoked applause from those gathered. He also briefly wished **Kenny / N3IYX** well as he is recovering from heart surgery.

Approval of the Minutes: The minutes of the December meeting were approved upon a motion by **Mark / K3MP**, 2nd by **Chris / NU3L**. **Motion carried.**

Treasurer's Report: **Mike / KB3LOD** gave the November Treasurer's Report which, after a correction of a typographical error, was approved on a motion by **Jay / N3OW** and 2nd by **Ken / N3IYX**. **Motion carried.**

Milk House: **Dave / NB3R** reported that, with the recent addition of antennas for 30, 17, and 12 meters, and with the loan of a power amplifier from **Ken / N3IYX**, the Milk House has the capability of operating in all modes, on all bands. The addition of the "generator room" has greatly increased the space in which we can operate. Dave mentioned the contribution of **Pete / NL7XM** (carpet) and the work of **George / N3SQD** and **Bob / NE2C** in preparing the generator room for occupancy by the Club, but failed to mention his own hard work in finishing the room. Dave also mentioned that D-Star is working very well, and invited those in attendance to come visit the Milk House on Tuesday nights to check it out. **Ken / N3IYX** added that a 2 meter station has been placed in the new room for use in conducting the nets.

Web Page: **Charlie / W3OPA** reports that Brad is doing regular maintenance on the web-site.

Visitor: **Charlie / W3OPA** recognized Justin, a guest at the meeting.

VE Session: Upon prompting by **Charlie / W3OPA**, **Al / W3CE** reported that a VE session was planned for next night. The session was scheduled for 7:00 pm at the 911 Center.

Repeater: **George / N3SQD** reported that the problem with **Carolyn / K3UMY**'s voice triggering auto patch calls to the 911 Center cannot, it turns out, be solved by lengthening the tone required to trigger the call. Our equipment is old and won't handle a longer signal. George and Barry have come to the opinion that the most expeditious solution is to eliminate the 911 "quick dial" for the repeater autopatch. After a discussion among the membership, George made a motion to disable the "quick dial" for 911 and force 911 users to place this call like any regular phone call. **AI / W3CE** 2nd this motion. The motion passed with one member opposing. Before moving on to other business, **Barry / KU3X** observed that cell phones have definitely reduced our need to place emergency phone calls via the repeater. He shared a little known fact that Federal law requires that cell phones must be able to call 911 at all times. As long as an old cell phone is functional, it can be used as an emergency phone.

Membership: **George / N3SQD** reminded the members that annual dues are now due. Membership cards have been issued to those that Club records show have paid for 2012. If you have paid your dues for 2012 and have not received your membership card, please contact **George / N3SQD** since a bookkeeping error may have occurred. In answer to a question by **Don / KC3II**, **George / N3SQD** indicated that Club membership is about 180 in number. **Charlie / W3OPA** remarked upon the importance of contacting members who fail to renew their membership to try to convince them to maintain their membership. Charlie asked for volunteers to call members who fail to renew. **Pete / NL7XM**, **Chris / NU3L**, **Terry / KB3VFD**, and **George / N3SQD** volunteered to make the requested phone calls. **Ben / KB3CTX** suggested that general and/or individual messages could be generated by the Club computer asking members to renew their membership. This could be done in conjunction with the phone calls made by Pete, Chris, Terry, and George.

NEW BUSINESS:

Norm Zoltak Award: **Charlie / W3OPA** announced that the winner of the Norm Zoltak Award for performance in the 2011 PA QSO Party goes to new member, **Joe O'Brien / WI2E**. Joe wins this award after **Ray / W3TDF** withdrew his name from consideration.

March Mini Hamfest: **Charlie / W3OPA** reminded the membership of the upcoming March Mini Hamfest. The charge per table has been pegged at \$2.00. Charlie, **Pete / NL7XM**, and **Bob / NE2C** have made overtures to X-mas City, W3OI, and QCWA about their participation in the event.

New Members: Membership Chair **George / N3SQD** announced two new candidates for membership: **David Niemira / KB3WUC**, Technician, and **Bruce Kemp f / KC3JS**, Advanced. On a motion by **Blair / K3YD**, 2nd by **Bryan / AA3WM**, that they be admitted as members of D.L.A.R.C., a vote was taken. **Motion carried.**

High Altitude Balloons: **AI / W3CE** announced the formation of a committee to initiate a high altitude balloon project that will culminate with a balloon launch this summer. The balloon will carry equipment capable of transmitting GPS data and slow-scan TV pictures via radio back to a launch base in central PA. These balloons can achieve an altitude of 100,000 feet, or more, with speeds in excess of 100 mph. The pictures resulting from these launches have been typically spectacular, and samples can be found on the Internet. The plan is to involve school groups and science clubs in the project to introduce young minds to Amateur Radio. The project has a undeniable "wow" factor that is often hard to achieve when trying to describe or demonstrate the benefits of ham radio to young students. Any volunteers are welcome, and they should contact **AI / W3CE** if they have an interest. **Charlie / W3OPA** stated that donations are welcomed for the project. Charlie believes that by channeling the donations through the Club, they could qualify as being tax-deductible, and he is looking into this possibility.

OLD BUSINESS:

Christmas City Event: **Jon / NJ3I** thanked the membership for their participation in the 2011 Christmas City Special Event. Jon took a moment to thank **Dave / NB3R**, **George / N3SQD**, and **Bob / NE2C** for their work in making the "generator room" ready for the event. 250 QSO's were made during the course of the event with about 200 Q's on 10 meters. A nice Christmas dinner was enjoyed by those participating on Saturday with a turkey and all the trimmings. It was all very nice. The hours of the event this year were originally announced as 8:00 am to 9:00 pm, Saturday and Sunday, but the actual hours of operation were more like 9:00 am to 6:00 pm both days, and these are the hours of operation that we will be following next year.

Program Chair: **Charlie / W3OPA** reminded the members that the Club is still without a Program Chair, and one is needed. Now would be a good time to volunteer for the position since the program slate has been filled for 2012 and the work immediately would be light, merely calling presenters and reminding them of the date they are to present. The new Chair would have plenty of time to work on filling the program slots for 2013. In answer to a question from the floor, **Charlie / W3OPA** stated that he will continue in the position of Awards Chairman.

Raffle Winner: **Andrew / WV1B** won the evening raffle.

Scavenger Hunt: **Pete / NL7XM** led the scavenger hunt for the evening: **Christina**, XYL of **KB3VFB** had a vitamin C tablet and won a door prize. No one had a moon phase watch. No one could produce a pedometer. **Ron / N3ZO** produced a dentist appointment card to win the last prize of the evening.

CQ Magazine DX World Marathon: **Jay / N3OW** asked members, who participated in the CQ DX World Marathon, for their results in the competition. Jay wants to compile Club results for the event.

Amy Zimmerman: **Charlie / W3OPA** reminded the members that the time to consider who would be a fitting recipient of the Amy Zimmerman Award for 2011 is short. Any name a member thinks worthy of consideration should be submitted in the next week or so to **Charlie / W3OPA** or another member of the Executive Committee with a written narrative as to why the candidate should be considered for the Award. Check the December newsletter for a good description of the Award and the criteria that are considered in deciding who the Award recipient should be.

Adjournment: With no further business, the meeting was adjourned.

Program: "Digital Modes For Today's Modern Military". Presenters were **Mel Bach / W3SQ** and **Col. James Follweiler**, U. S. Army. Thank you, Mel and James.

Respectfully submitted by **Joe Garvey / AB3OS** Secretary.

FEBRUARY 2012 QUICK CHECK CALENDAR

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|--------|--------|----------------------------------|---------------------------------|-----------------|---------------------------------|----------|
| | | | 1 DLARC RACES/ARES Net (NB3R) | 2 DLARC MEETING | 3 NO V. E. SESSION | 4 |
| 5 | 6 | 7 D-Star Mid – Atlantic 7:30 PM | 8 DLARC RACES/ARES Net (KB3CTX) | 9 | 10 | 11 |
| 12 | 13 | 14 D-Star Mid – Atlantic 7:30 PM | 15 DLARC RACES/ARES Net (W3CE) | 16 | 17 NewsLetter Articles Deadline | 18 |
| 19 | 20 | 21 D-Star Mid – Atlantic 7:30 PM | 22 DLARC RACES/ARES Net (KC3II) | 23 | 24 | 25 |
| 26 | 27 | 28 D-Star Mid – Atlantic 7:30 PM | 29 DLARC RACES/ARES Net (N3SQD) | | | |

VE TEST SESSION

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

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



JANUARY BRAINTEASER ANSWER

The maid did it. Mail isn't delivered on Sunday!

The winner is Al / W3CE



FEBRUARY BRAINTEASER de KB3LIC

All but one of the numbers below share a common, simple property. Which is the odd ball number?

17 29 61 79 97 133 181 211



FEBRUARY CONTESTING AT THE OK CORRAL

February 4 & 5 – Black Sea Cup International
 February 11 & 12 - CQ WW RTTY WPX Contest
 February 18 & 19 – ARRL International DX Contest - CW
 February 24 & 26 – CQ 160 Meter Contest - SSB



DLARC HIGH ALTITUDE BALLOON PROJECT

A committee has been formed to pursue the launching of a high altitude weather balloon carrying an APRS beacon, with a W3OK callsign, and photographic equipment. We hope to achieve an altitude in excess of 60,000 feet with a launch date in late Spring or Summer. The project will need coordination with the FAA. Because of the nearby LVIP a launch from the Lehigh Valley will probably not be feasible. We will be looking for a launch site further west to help insure that the landing will not be in the Atlantic Ocean.

If you are interested in helping out and would like to join the committee please email Al at w3ce@arrl.net



MEMBERSHIP DUES ARE DUE!

It's that time, already! DUES are payable for the calendar year 2012. Here's how easy it is to remit your club DUES and keep your valuable D.L.A.R.C. Membership current. Whether in person or by mail, **CHECKS made payable to the D.L.A.R.C.** are the preferred method of payment to more accurately record your timely renewal. Please ensure that your callsign appears somewhere on the instrument, such as in the memo field. Paying with cash is discouraged, but if you really, *really* have to, kindly make certain you are prepared with the correct sum according to the rate table shown below. Remember, if your DUES are not paid by February 1st, your membership will expire.

2012 DUES Rates / No Changes
Regular Membership 18-64 years of age:
Jan. - Dec.\$17.-
65 and over, or retired from all forms of employment (no age limit)
Jan. - Dec.\$12.-
Additional Family member
each \$3.-
Associate Individual Membership \$10.-

You are strongly encouraged to MAIL your DUES so that I may conduct the bulk of the record-keeping duties apart from where I believe you deserve the most of my attention. In person at Club Meetings, I'd prefer to answer your questions, address your concerns, and welcome your thoughtful revenue raising and savings ideas. Therefore, it is firmly advocated that DUES correspondence be mailed to:

**Michael J. Gower
1511 Shelbourne Drive
Bethlehem, Pa. 18018**

Enclosing a S.A.S.E will bring your new membership card back to you immediately if you can't attend the next Meeting where they are routinely distributed. You may write to me anytime with questions regarding DUES, or to discuss issues that you believe are my responsibility at: Treasurer@dlarc.org Include your phone number if you prefer a live reply.

de Mike / KB3LOD, DLARC Treasurer

HARD COPY SUBSCRIPTION

You must sign up if you want a hard copy newsletter subscription. The rate stays the same this year at \$10. This is exclusively for the newsletter only to cover printing and mailing. The price of maintaining a Bulk Mailing Permit is too expensive to justify with the size of our Membership, thus the first class postage requirement. This will squarely cover the cost of the paper and printing supplies for 12 issues. To subscribe contact Pete / NL7XM at nl7xm@arrl.net.

NEWSLETTER ARTICLES WANTED

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

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

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

de Don / KC3II, Editor

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 Dave Niemira / KB3WUC, and Bruce Kempf / KC3JS.

CANCELLATION NOTICES

Just a reminder to everyone, while I'm sitting here with my knit hat on already (what will I do when it REALLY gets cold?.) If any club events are going to be canceled, look for messages on the repeater, forum, and pushed phone calls on our automated phone tree. If you know anyone who is unable to get all three, but you can pass it on to them, do us the kindness there, please do!

I hope everyone has a safe winter.

Charlie / W3OPA

CAR RADIO, AN INTERESTING TRUE QUINCY STORY

CAR TUNES

Radios are so much a part of the driving experience, it seems like cars have always had them. But they didn't. Here's the story.

SUNDOWN

One evening in 1929 two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy, Illinois, to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car.

Lear and Wavering liked the idea. Both men had tinkered with radios – Lear had served as a radio operator in the U. S. Navy during World War I – and it wasn't long before they were taking apart a home radio and trying to get it to work in a car. But it wasn't as easy as it sounds: automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running.

SIGNING ON

One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago. There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a product called a "battery eliminator" a device that allowed battery-powered radios to run on household AC current. But as more homes were wired for electricity, more radio manufacturers made AC-powered radios. Galvin needed a new product to manufacture. When he met Lear and Wavering at the radio convention, he found it. He believed that mass-produced, affordable car radios had the potential to become a huge business.

Lear and Wavering set up shop in Galvin's factory, and when they perfected their first radio, they installed it in his Studebaker. Then Galvin went to a local banker to apply for a loan. Thinking it might sweeten the deal, he had his men install a radio in the banker's Packard. Good idea, but it didn't work – half an hour after the installation, the banker's Packard caught on fire. (They didn't get the loan.) Galvin didn't give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention. Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioners could hear it. That idea worked – he got enough orders to put the radio into production.

WHAT'S IN A NAME

That first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier. In those days many companies in the phonograph and radio businesses used the suffix "ola" for their names – Radiola, Columbiola, and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it the Motorola.

But even with the name change, the radio still had problems:

When Motorola went on sale in 1930, it cost about \$110 uninstalled, at a time when you could buy a brand-new car for \$650, and the country was sliding into the Great Depression. (By that measure, a radio for a new car would cost about \$3,000 today.) In 1930 it took two men several days to put in a car radio – the dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them. The installation manual had eight complete diagrams and 28 pages of instructions.

HIT THE ROAD

Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression – Galvin lost money in 1930 and struggled for a couple of years after that. But things picked up in 1933 when Ford began offering Motorola's pre-installed at the factory. In 1934 they got another boost when Galvin struck a deal with B. F. Goodrich tire company to sell and install them in its chain of tire stores. By then the price of the radio, installation included, had dropped to \$55. The Motorola car radio was off and running. (The name of the company would be officially changed from Galvin Manufacturing to "Motorola" in 1947.) In the meantime, Galvin continued to develop new uses for car radios. In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts. In 1940 he developed with the first handheld two-way radio – the Handie-Talkie – for the U. S. Army.

A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II. In 1947 they came out with the first television to sell under \$200. In 1956 the company introduced the world's first pager; in 1969 it supplied the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon. In 1973 it invented the world's first handheld cellular phone. Today Motorola is one of the second-largest cell phone manufacturer in the world. And it all started with the car radio.

WHATEVER HAPPENED TO....

The two men who installed the first radio in Paul Galvin's car, Elmer Wavering and William Lear, ended up taking very different paths in life. Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention led to such luxuries as power windows, power seats, and, eventually, air-conditioning.

Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the Lear Jet, the world's first mass-produced, affordable business jet. (Not bad for a guy who dropped out of school after the eighth grade.) This article came from [/www.antiquradiomuseum.org/thecarradio.htm](http://www.antiquradiomuseum.org/thecarradio.htm)>

JANUARY PROGRAM

In January we were fortunate to have two programs, **Mel / W3SQ** presented a program on "Digital Modes for the Modern Military". And **Col. James Follweiler**, an Army logistics officer presented "General Scope of Modern Warfare".

Mel explain how Homeland Security with it's parts; FEMA, RACES, ARES, MARS and Citizens Band were responsible for communications in case of any national emergency. The problem being, the method and type of communicating with the different services is notably different. Even in similar modes, there are enough differences to delay or even change the content of a message. Mel went on to explain how Army Mars was attempting to use a move that would be compatible with homeland security. Mel finished up with the recruitment plug for Army Mars.

Col. Follweiler showed and explained how the Army goes about its business. Based on his experience as a logistics officer, support team commander in Afghanistan, and presently a division training commander at Fort Dix. He presented just how the command chain functions with a brief description of the operation at each level. Col. Follweiler concluded with a question and answer session from the floor.

In conclusion, if you missed the meeting, you missed out on another of Pete's outstanding program sessions.



SCREWY CLOCKS

WASHINGTON --A yearlong experiment with the nation's electric grid could mess up traffic lights, security systems and some computers - and make plug-in clocks and appliances like programmable coffeemakers run up to 20 minutes fast.

"A lot of people are going to have things break and they're not going to know why," said Demetrios Matsakis, head of the time service department at the U.S. Naval Observatory, one of two official timekeeping agencies in the federal government.

Since 1930, electric clocks have kept time based on the rate of the electrical current that powers them. If the current slips off its usual rate, clocks run a little fast or slow. Power companies now take steps to correct it and keep the frequency of the current -- and the time -- as precise as possible.

The group that oversees the U.S. power grid is proposing an experiment that would allow more frequency variation than it does now without corrections, according to a company presentation obtained by The Associated Press.

Officials say they want to try this to make the power supply more reliable, save money and reduce what may be needless efforts. The test is tentatively set to start in mid-July, but that could change.

Tweaking the power grid's frequency is expensive and takes a lot of effort, said Joe McClelland, head of electric reliability for the Federal Energy Regulatory Commission.

"Is anyone using the grid to keep track of time?" McClelland said. "Let's see if anyone complains if we eliminate it."

No one is quite sure what will be affected. This won't change the clocks in cellphones, GPS or even on computers, and it won't have anything to do with official U.S. time or Internet time.

But wall clocks and those on ovens and coffeemakers - anything that flashes "12:00" when it loses power - may be just a bit off every second, and that error can grow with time.

It's not easy figuring what will run fast and what won't. For example, VCRs or DVRs that get their time from cable systems or the Internet probably won't be affected, but those with clocks tied to the electric current will be off a bit, Matsakis said.

This will be an interesting experiment to see how dependent our timekeeping is on the power grid, Matsakis said.

The North American Electric Reliability Corp. runs the nation's interlocking web of transmission lines and power plants. A June 14 company presentation spelled out the potential effects of the change: East Coast clocks may run as much as 20 minutes fast over a year, but West Coast clocks are only likely to be off by 8 minutes. In Texas, it's only an expected speedup of 2 minutes.

Some parts of the grid, like in the East, tend to run faster than others. Errors add up. If the grid averages just over 60 cycles a second, clocks that rely on the grid will gain 14 seconds per day, according to the company's presentation.

Spokeswoman Kimberly Mielcarek said the company is still discussing the test and gauging reactions to its proposal, and may delay the experiment a bit.

Mielcarek said in an email that the change is about making the grid more reliable and that correcting the frequency for time deviations can cause other unnecessary problems for the grid. She wrote that any problems from the test are only possibilities.

In the future, more use of renewable energy from the sun and wind will mean more variations in frequency on the grid, McClelland said. Solar and wind power can drop off the grid with momentary changes in weather. Correcting those deviations is expensive and requires instant backup power to be always at the ready, he said.

The test makes sense and should not cause too much of a hassle for people, said Jay Apt, a business professor and director of the Electricity Industry Center at Carnegie Mellon University.

But Tom O'Brian, who heads the time and frequency division at the National Institute of Standards and Technology, expects widespread effects.

He said there are alternatives if people have problems from the test: The federal government provides the official time by telephone and on the Internet.

REDNER'S SUPER MARKETS 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.

NEW LOOK FOR THE MONTHLY DOOR PRIZES

Many thanks to **Doreen / KB3PDL**, for the new look at our monthly Door Prize program. The format for this program will be in the form of a scavenger hunt. This month's winners were Christina, xyl of KB3VFB and Ron:/ N3ZO.

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 and 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 li me, 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.

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. 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.

F.Y.I.

The winner of the January Prize was Andrew / WV1B
The March Program will be DLARC Mini-Ham Fest

The D.L.A.R.C. meets the "FIRST" Thursday of each month. Membership, friends and interested persons meet at the Bethlehem Area Vo-Tech School (3300 Chester 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 2011 – 2012
OFFICERS**

President – Charles Lazarchak / W3OPA ----- president@dlarc.org
Vice President – Dave Blankenship / N3EYT ----- vicepresident@dlarc.org
Secretary – Joe Garvey / AB3OS ----- 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
Dave Mellman / KA3IWC ----- dbm073@gmail.com
Jon Matson / NJ3I ----- cjfishing@rcn.com
Jay Mason / N3OW ----- n3ow@rcn.com
George Wieland / N3SQD ----- George@bioserv.com

**PHONE NUMBERS FOR THE EXECUTIVE COMMITTEE OF THE DLARC
CAN BE FOUND ON THE WEBSITE / MEMBERSHIP LISTING
CLUB MEETINGS**

All regular meetings of the D.L.A.R.C. Are held on the first Thursday of each month at
7:30 PM at the 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
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**14 Gracedale Avenue
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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.

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