

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

JULY 2013



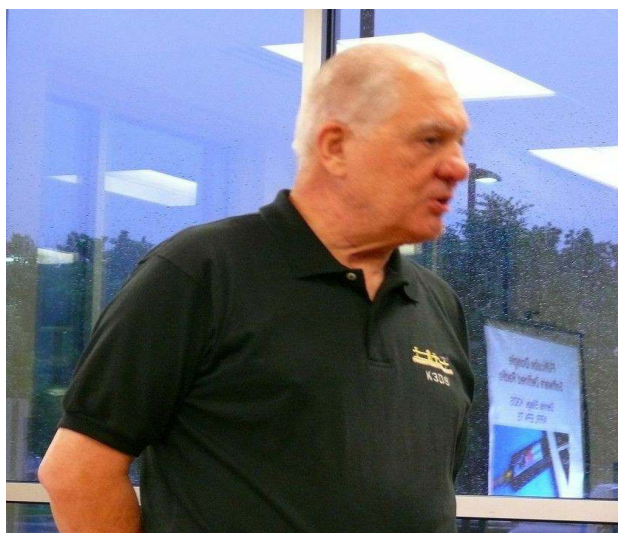
W3OK

CORRAL

**Club Meeting July 11th, 7:30PM At the
Bethlehem Township Community Center**

JULY MEETING PROGRAM

**“ CW Receive Speed Contest “
Jon / NJ3I**



AMSTAT – UK's FUNcube Dongle”

Dennis / K3DS



MINUTES FROM THE JUNE MEETING

A general membership meeting of the Delaware-Lehigh Amateur Radio Club Inc. (the Club) was held on June 6, 2013, at the Bethlehem Township Community Center located in Bethlehem Township, Pennsylvania. Charlie Lazarchak /W3OPA, President, called the meeting to order at 1932 hrs.

Call to Order: Charlie Lazarchak / W3OPA, President, called the meeting to order at 1932 hrs

Pledge of Allegiance: Led by Charlie/W3OPA

What Have You Been up to Lately: Charlie / W3OPA opened the floor to members who wished to share any recent personal ham radio related activities, projects, or events:

Jon / NJ3I purchased an Elecraft KX3 transceiver at Dayton and is very impressed with this QRP rig. While at his hotel in Dayton, he was able to work Hawaii with 5 watts and Slovenia with 500 milliwatts both with a MFJ portable antenna. He will have the KX3 at field day for anyone who would like to see it.

Pete / K2PM tapped into his TS-930's IF Stage and is able to use a version of PowerSDR software with the IF output to have a SDR (Software Defined Radio). The setup provides many of the same features as on a Flexradio.

Approval of the Minutes: Charlie / W3OPA asked for a motion to approve the minutes of the last meeting. It was moved by AI / W3CE, second by Bob / NE2C to approve the minutes as presented in the newsletter. **Motion carried with one nay vote (Ray/W3TDF) and the rest in favor.**

Approval of the Treasurer's Report: Mike / KB3LOD presented the Treasurer's Report. It was moved by George / N3SQD, second by Jay / N3OW to approve the Treasurer's Report as presented. **Motion carried.**

2013 Field Day: George / N3SQD provided an update of field day preparations. Following the principles of leaders who have had greatness thrust upon them, George has delegated the major field day activities as follows:

Radios:	Dave / NB3R and Dave / N3EYT
Antennas:	Barry / KU3X and Jon / NJ3I
Computers:	Ben / KB3CTX and Jeff / N3QO
Food:	Ed / AA3OU
Public Relations:	Bob / KE3AW
Transportation:	Ken / N3IYX and John / NT3P
GOTA Station:	John / NT3P
Sunday Breakfast:	Bob / NE2C
Mojitos	Jon / NJ3I
Customer Satisfaction:	AI / W3CE
Customer Complaints:	Brian / KW3K

George asked that if anyone would like to help out in any of these areas, to please contact the above individuals.

George then outlined the activities leading up to and during field day:

Field day is the fourth full weekend in June (June 22 and 23). The location will be the same as last year, Pavilion 5 at Louise Moore Park. Talk-in will be on the Club's 146.70 repeater (146.700, -offset, PL 151.4). Load out of Club equipment will be at the Milkhouse on Wednesday evening, June 19th, (weather permitting) with Friday evening, June 21st, as the back-up date. Equipment set-up will start at 9 AM on the 22nd and operating is from 2 PM Saturday to 2 PM Sunday. Saturday evening's dinner will be a covered dish/potluck dinner. Equipment pack-up will start at 2 PM Sunday. Ray / W3TDF added that he will be there with his 30 ft tower, tribander beam and 6 meter beam.

Club Station Report: AI / W3CE reported that last night at the Wednesday gathering at the club station a cookout was held. The evening's fare consisted of brats and brew with hot dogs, potato salad and other snack foods. Charlie / W3OPA encouraged everyone to come out to the club station on a Wednesday night. Check on the repeater or phone the club station to see if the station is open at other times. Ken/W3IYX added that the club station is open many Tuesday evenings, Friday evenings and Saturdays. AI/W3CE announced that he will give a presentation on D-STAR at the Milkhouse next Thursday night at 7 PM.

Repeater Report: Charlie / W3OPA asked there were any recent problems or issues with repeater. No issues were reported by any of the members present.

Club Picnic: AI / W3CE reported that the Club Picnic is scheduled for the last Sunday in August. However, due to family events, AI will not be available to chair the picnic this year. If anyone is interested in chairing this event, see AI and he will brief you on what is involved.

Website Report: Brad / W3JXQ reported the site was up and running. Bob / KE3AW asked if the membership list on the website has been updated to reflect the recent influx on new members. George / N3SQD reported that he finished updating it today and will forward it to Brad tomorrow. No other concerns or issues were reported by any of the members present.

Membership Report: George / N3SQD reported that there are two applications for membership. Thomas Luisser / WA3VFW and Lawrence Kaplan / KC3ANC. Tom is an Extra and Lawrence is a General, both are ARRL members. It was moved by Doreen / K3PDL, second by Dave / N3LWY to accept the candidates as presented. **Motion carried.**

Visitors/Guests Present: Guests and visitors joining the members were Thomas / WA3VFW, Lawrence / KC3ANC, the night's speaker, Dennis / K3DS

VE Test Session: George / N3SQD reported that if there is interest an ad hoc VE test session will be held during field day operation. George anticipates the VE test session, will occur (if needed) on Saturday afternoon sometime after 3 PM.

MS Walk: Bob / KE3AW reported that the MS Walk organizers did not reply back to him.

Nominating Committee: Charlie / W3OPA reported that there will be a number of open officer and board positions. Charlie said that in addition to club president, he expects the club vice president and 3 to 4 board positions will be open for candidacy. Board and officer positions are open to any member and do not require previous experience. The basic job responsibilities of board and officers generally involve only and extra meeting a month (the Thursday 2 weeks before the general meeting).

Chair Openings: Charlie reported Presentation Chair for next year is still vacant and that the Club needs this position filled so that planning can begin for presentations in 2014. In addition, a Picnic Chair is needed for this year's picnic in August (Al / W3CE is available to brief you on what is involved in organizing the event). Charlie also added that a Circulation Chair is needed for next year to perform the e-mailing of the Club Newsletter. If you are interested in a Club board and officer position for the upcoming year or any of the open chair positions, contact the president, any officer, board member or nominating committee member.

Upcoming Public Service Events: Al / W3CE reported there will be Lehigh Wheelmen bicycle ride in late September. This will be on a new course that will involve at least one area without coverage from Club's repeater. Al also reported the Black Bear Century in October which unfortunately will be the same weekend as the PA QSO Party. Bob / KE3AW advised that the Emmaus Halloween Parade is on October 19th.

July's Meeting: To avoid the conflict with the July 4th holiday, the Club's *July meeting will be on the second Thursday of July (July 11th)*. Also the July VE Test Session will be scheduled for the Friday after the meeting (July 12th).

Adjournment: There being no further business before the Club, the meeting was adjourned by Charlie / W3OPA at 2003 hrs. Respectfully submitted by John / NT3P, Secretary

JULY QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2 D-Star Mid – Atlantic 7:30 PM	3 DLARC RACES/ARES Net (W3CE)	4 	5	6
7	8	9 D-Star Mid – Atlantic 7:30 PM	10 DLARC RACES/ARES Net (KC3II)	11 DL ARC MEETING	12 VE SESSION	13
14	15	16 D-Star Mid – Atlantic 7:30 PM	17 DLARC RACES/ARES Net (N3SQD)	18 DLARC BOARD MEETING	19	20
21	22	23 D-Star Mid – Atlantic 7:30 PM	24 DLARC RACES/ARES Net (KB3CTX)	25	26	27
28	29	30 D-Star Mid – Atlantic 7:30 PM	31 DLARC RACES/ARES Net (K3PDL)			

Silent Key

The D.L.A.R.C. Wishes to honor and to express its sadness at the passing of a club member or former club member.

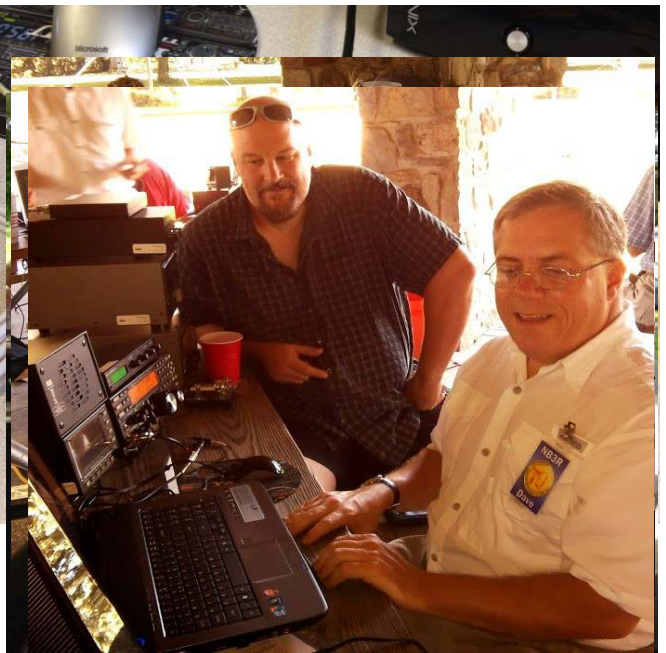
Robert Mulrooney / KB3RI

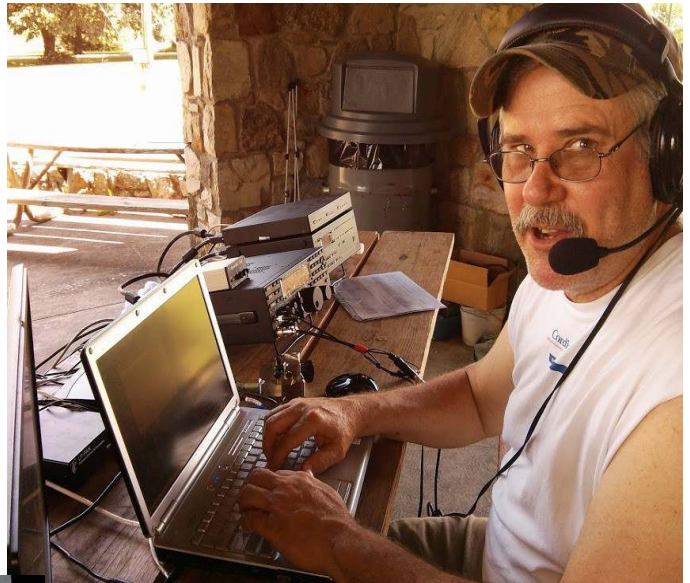
VE TEST SESSION

There will be a test session this month on July 12, at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact George / N3SQD at george@bioserv.com or Al / W3CE at w3ce@arrl.net.

FIELD DAY 2013 Photos by Dave / NB3R & Dave / N3EYT









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



JUNE BRAINTEASER ANSWER INCORRECTLY

The winner is Bob / KE3AW



JULY BRAINTEASER

What are the two words in the English language that have all five vowels in order?

JULY CONTESTING AT THE OK CORRAL

JULY 6 & 7 – DL – DX RTTY Contest
JULY 13 & 14 – IARU HF World Championship
JULY 20 & 21 – DMC RTTY Contest
JULY 27 & 28 – RSGB IOTA Contest



3 New E-Books on Technical Audio Electronics: "Soundshaping," about PA system operation; "Solving Resistance/Impedance Networks," about working the complex equations; "edge, etc.," with new vacuum tube guitar amp and speaker cab designs. All by Paul Schlueter III.
F R E E ! Visit prisonsfoundation.org

JUNE PROGRAM REPORT



AMSTAT-UK's FUNcube Dongle was the topic of the June meeting, presented by Dennis / K3DS. Another example of "Software Defined radio". References were made to its similarity with the FlexRadio systems. With slides and a live demonstration Dennis gave the history of the FUNcube Dongle and how it has been used. Shown at the meeting was the PRO+ model which is the latest development in the line, superseding the Pro. Using block diagrams the various changes in the unit over the years were explained. Also shown were the various displays that you would use during the actual operation. Dennis conclude with various uses of the system and his history with it.



SO YOU WANT TO PURCHASE AN HF RADIO

Barry G. Kery, KU3X

Whether you are new to the hobby and it's time to get your first HF rig or you're a seasoned ham and it's time to upgrade your station, the following may help you with your purchase.

First, examine your antenna system. If you have a lousy antenna you'll have a lousy signal, transmit and receive. "Keep it simple." Use a resonant antenna and good quality coax. Go to Lowe's or Home Depot and pick up a spool of either #14 or #12 THHN single conductor wire. I prefer using solid conductor wire, it's much easier to use than stranded wire. You can use 1/2" PVC for the center and end insulators. Make a simple dipole and feed it with RG 8X or RG 213 coax. This is a great mono band antenna. Need more bands, build and erect more antennas. I highly suggest you purchase a new or used ARRL Antenna Handbook. This book will never get old and you can really enhance your hobby by reading it. It's also worth mentioning, consider getting the ARRL Radio Handbook at the same time.

How much do you want to spend: Do you want new or used? Whether you have limited or unlimited funds, you should choose a radio that fits your needs and you are comfortable using. You don't have to spend thousands of dollars to acquire a good quality radio. \$400 is a good starting point for a good used HF radio. \$1000 will buy you a great new high quality HF radio.

Output power: One of the biggest mistakes some new hams make is starting out with a rig like a Yaesu FT-817ND all band, all mode QRP radio. This radio covers a lot of bands (1.8 MHz to 440 MHz), is reasonable in price but only puts out 5 watts. Operating QRP is kind of an art and takes a lot of strategy to work other hams. If you want to enter HF with a QRP radio, talk to a serious QRP operator before you take this avenue.

With only 100 watts of output power into a good antenna, you'll be able to work almost anything you can hear. I personally work with power levels ranging from 500 mw to 1500 watts, but for day to day use I find only 100 watts is needed to work the average DX station.

How many bands: Being able to cover 1.8 MHz to 440 MHz in one radio may sound nice. What if you want to talk to your buddies on the local two meter repeater while trying to work that rare DX station? It's kind of hard to do with this type of radio. That's not to say that a, "One radio do all" is a bad choice, but it does limit your choices what you purchase a radio. Not all radios cover all bands. If this radio is to be used, not only in your station, but when you go on vacation or set up portable, a radio that covers 1.8 to 440 MHz may in fact be your best choice.

Filters: If you are purchasing a non DSP radio or a radio with audio DSP, you may need optional crystal filters. If you are going to work CW, you will need a good CW filter. Usually a 500 Hz filter is all you need. If you are a serious CW operator, consider installing two optional filters. The second filter of choice would be the 250 or 270 Hz filter.

When it comes to SSB what comes with the radio is probably good enough. I've tried the optional 1.8 khz narrow SSB filter in numerous radios and never liked it. Yaesu offers a 2.3 khz crystal filter and I found it does a great job and the audio still sounds good. A narrow SSB filter is very important in crowded band conditions, like in contests. Crystal filters usually sell for around \$125 and up per filter.

If your radio has IF DSP, no optional filters are usually needed or even offered.

Sub receiver: Twenty years ago the forty meter band was filled with commercial broadcast stations. The European hams would transmit SSB below 7100 khz. We would have to listen below 7100 khz and transmit above 7150 khz. For this reason a sub receiver was a very helpful tool for working split. Now that the band has changed a sub receiver is not as important. It is still a very useful tool but may not be needed for your type of operating. If you want to work contests, consider a radio with a sub receiver, you will find it makes finding and working DX much easier.

Built in antenna tuner: Most radios today have solid state finals that fold back on output power once they see an SWR over 1.5 to 1. For this reason you will need a matching network. Having one built into the radio is a great idea. Don't be afraid to purchase a radio that does not have a built in tuner. There are a lot of after market tuners that are equal to or better than the ones used in today's radios. I find the tuner that is in my Kenwood TS-480 SAT very limited. For this reason I also have the MFJ 929 external auto tuner in line with this rig.

Menus: You're probably not going to get away with buying a radio without menus. Smaller radios usually need more menu items to operate. They also have less knobs to control functions so you will be using the menus more often. Lots of radios have two types of menus, quick and setup menus. Quick menus are usually a touch of one or two buttons that will take you to the item to be changed.. Quick menus usually toggle functions like, noise blanker, multi meter, VFO A/B, processor and more. Bigger footprint radios will have one touch buttons to toggle these functions. Setup menus usually control functions like power out, mic gain, processor gain, QSK and other functions that are set and forget. Radios like the Icom IC 7000 are very menu driven and radios like the Kenwood TS 590S have less menus to deal with on a daily basis.

Try it before you buy it: Get a feel of the radio you may want to purchase. Take a ride to HRO in New Castle, DE and check out their display radios. Ask the salesperson lots of questions, that's what he is there for. Looking at magazine ads will supply you with a lot of useful information but there's nothing like spinning the knobs and pushing buttons on a radio to give you a feel of a radio. "Would you purchase a new car and not take it for a test ride?" I know I would not so why not take a radio for a test ride? The DLARC's club station is a great place to learn about radios.

When talking to a ham that may have the radio you are thinking of getting, ask him what he likes and does not like about his radio. My Kenwood TS 850SAT has the VOX controls on the back of the radio. For me this was a dumb idea. If you do not use VOX, this would not affect you.

Read it before you buy it: Most manufactures put PDF copies of their manuals, for each of their rigs, on line. Downloading and reading the manual for the radio you are considering purchasing is a great idea. Reading the manual, not only helps you make your choice, but you will also know how to set up and operate your new radio as soon as you get it. It goes without saying, "Read the manual before you put any radio into service !" So many people have their microphone gain and/or processor levels set too high. When the manual tells you to set the RF processor so the meter does not go over 10 DB, that is exactly what they mean. The same goes for the ALC meter deflection when setting the microphone level.

What's good and what's bad: Go to, "www.eham.net" and click on, "Product Reviews." This is a great place to find out how well radios, as well as other ham related equipment, holds up. Take these reviews with a grain of salt. If you see a lot of post on an item and one ham is really tearing the radio apart, you probably bumped into a person that is very hard to please. If a large percentage of reviews are telling you this item is not all that good, better stay away and look for something else.

New or used: If you know what you want there are a lot of places on the internet for buying products. Places like Ham Radio Outlet, Universal Radio, Giga Parts and AES are all good places to purchase a new or used radio. You'll probably be using your credit card to purchase your new piece of equipment. When I buy new gear that comes with a one or more year warranty, my credit card company will extend the warranty by one year. This paid off for me when my IC 703 quit working three months out of the manufactures warranty. Check and see if your credit card carrier offers this.

If you are buying used you can get a feel of what a used radio is worth by checking sites like QTH.COM, EHAM.NET and QRZ.COM. Ebay is the worst place to reference prices for used radios. I've seen items sell used for almost what the radio sold for new. At times you can get a good deal on ebay but that's not the norm. Take a look at what a radio sells for new and times that by 75 %. This applies to radios that are still in production. That will be a fair price for both seller and buyer, depending on condition.

When you read the adds on ham radio web sites, try to read between the lines. Here are some examples.

"The radio worked great when I put it in storage 10 years ago." Why did this guy not test it before he posted the add? Does it work now?

"This radio is from an estate sale and I have no way of testing it." Why didn't he have a fellow ham test it for him? The guy knew enough to go to a ham site to post the add, so why not have it tested?

"There's a minor issue with the radio and it's easy to fix." If it's that easy to fix, why didn't he fix it before he posted the add?

"The warranty card was never filled out and comes with the radio." That means nothing. You need the sales slip for proof of purchase. The warranty card is just a piece of paper.

If the selling price is way too low, it's probably a scam. Numerous times on QTH.COM, I have seen almost brand new items posted for half of the price it sold for new. Within a day you will see another post stating that the add was a scam. Make sure you are sending the money to the same location that the ham lives. Check QRZ.COM to see where he lives and make sure you are sending to the same place.

I could write an article on scams alone. "Let the buyer beware!"

Beware of buying a new rig off of ebay. A lot of times manufactures will state that they do not warrant equipment purchased off of ebay. This happened to me when I purchase a Garmin GPS off of ebay. Lucky for me the unit is still working and is well out of what it was supposed to be warranted for.

When it comes to buying used gear off of a ham, you are better off buying it from a friend or from someone that you can drive to their house and try out the rig. Most dealers sell used gear and it usually comes with some kind of warranty.

The more homework you do before you purchase your HF radio, the happier you will be when you use it.

PROGRAM CHAIRPERSON

We need a Programs Chairperson and/or Committee for the calendar year 2014. If you are interested, please contact Charlie / W3OPA. It is desirable to have the Programs Chairperson and/or Committee in place by August or September so there is ample time to schedule programs for 2014.

CIRCULATION MANAGER

The OK Corral will need a circulation manager effective with the November e-mail (push) issue. Pete / NL7XM who has been filling this position will be stepping down at that time. Interested members should contact Don / KC3II at editor@dlarc.org This position is a once a month job of e-mailing the newsletter to the registered members. For more details contact Pete / NL7XM at nl7xm@arrl.net

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 Tom Luisser / WA3VFW and Lawrence Kaplan / KC3ANC.

21 THINGS TO DO AFTER YOU GET YOUR AMATEUR RADIO LICENSE

de Dan Romanchik / KB6NU

Written for the new ham—or the ham that hasn't really been all that active lately—

Join a club, Join the ARRL, Find an Elmer, Buy a radio, Get on the air, Set up a shack, Buy some tools, Buy a digital multimeter (DMM), Build an antenna, Build a kit, Go to a hamfest, Learn the lingo, Subscribe to mailing lists, blogs, and podcasts, Upgrade to General, Go to Field Day, Learn Morse Code, Get to know your (ham) neighbors, Buy QSL cards, Join SkyWarn, ARES, or RACES, Participate in a contest, and last but not least, HAVE FUN!

FCC SEEKS SMALL VANITY CALL SIGN INCREASE

The FCC released a Notice of Proposed Rulemaking (NPRM) on May 23, seeking to raise the fee for Amateur Radio vanity call signs by 20 cents. Currently, a vanity call sign costs \$15 and is good for 10 years; the new fee, if approved, will go up to \$15.20 for 10 years. 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.

The vanity call sign fee has fluctuated over the 15 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*). The FCC said it anticipates some 14,300 Amateur Radio vanity call sign "payment units," or applications, during the next fiscal year, collecting \$217,360 in fees from the program.

Vanity Fee Due for New, Renewal Applications

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. Those holding vanity call signs issued prior to 1993 are exempt from having to pay the vanity call sign regulatory fee at renewal, as Congress did not authorize the FCC to collect regulatory fees until 1996. Such "heritage" vanity call sign holders do not appear as vanity licensees in the FCC Amateur Radio database.

Amateur Radio licensees may file for renewal only within 90 days of their license expiration date. All radio amateurs must have an FCC Registration Number (FRN) before filing any application with the Commission. Applicants can obtain an FRN by going to the Universal Licensing System (**ULS**) and clicking on the "New Users: Register" link. You must supply your Social Security Number to obtain an FRN.

ARRL Processes License Renewals, Including Vanities

The ARRL VEC will process license renewals for vanity call sign holders for a modest fee. The service is available to ARRL members and nonmembers, although League members pay less. Routine, non-vanity renewals continue to be free of charge for ARRL members. Trustees of club stations with vanity call signs may renew either via the ULS or through a Club Station Call Sign Administrator, such as the ARRL VEC.

Visit the [CALL SIGN RENEWALS OR CHANGES](#) web page for complete instructions on how to have the ARRL renew your license for you or for how to do it yourself. License application and renewal information and links to the required forms are available on the [FCC License Renewals](#) web page. The [FCC's forms page](#) also offers the required forms.

TIM SAMARAS, WJ0G, KILLED IN OKLAHOMA TORNADO

Renowned Storm Chaser Tim Samaras, WJ0G, Killed in Oklahoma Tornado professional storm chasers Tim Samaras, WJ0G, his son Paul Samaras and fellow investigator Carl Young were killed on May 31 near El Reno, Oklahoma when an EF5 tornado suddenly changed paths and slammed into their vehicle; they were unable to escape. According to *ABC News*, Tim Samaras -- an ARRL member -- was found dead in his car, still in his seat belt; Paul Samaras and Young were pulled from the car by the tornado; one of the men was found a half-mile away.

National Geographic Society Vice President for Research, Conservation and Exploration John Francis [told](#) *The Washington Post* that he fears that there are too many people jamming the roadways in pursuit of twisters and that this might have contributed to Friday's fatalities. In a May 2013 online interview with *National Geographic*, Samaras told of the increase in the number of storm chasers in recent years. "There's lots and lots of storm chasers out there, but you can probably count on one hand the number of people who go out into the field and collect data from tornadoes," he said. "We run into [storm chasers] all the time. On a big tornado day in Oklahoma, you can have hundreds of storm chasers lined up down the road. Oklahoma is considered the Mecca of storm chasing. We know ahead of time when we chase in Oklahoma, there's going to be a traffic jam."

The Samarases and Young were with TWISTEX (Tactical Weather Instrumented Sampling in/near Tornadoes EXperiment), a scientific field research program founded by Tim Samaras to "better understand tornadogenesis, maintenance and decay processes and to gain insight and knowledge of the seldom sampled near-surface internal tornado environment." The TWISTEX team has been featured on The Discovery Channel's Storm Chasers. Tim Samaras holds the Guinness World Record for recording the (100 millibars near Manchester, South Dakota on June 24, 2003) and is the only person to ever record video from inside a tornado.

In his biography on The Weather Channel's website, Tim Samaras said that he used Amateur Radio equipment when he chased storms. "Being that we are on a scientific mission," he explained, "we carry about 8-10 probes, along with other weather instruments, cameras, laptops, GPS navigation, cellular telephone, ham radio equipment (I'm a ham radio operator), first aid kit -- in case we come across saws...well...the whole garage."

"I chase the most powerful storms on the planet," Tim Samaras said in a [video](#) on his [personal website](#). "All my life I've been on a quest to figure out how these things worked. Tornadoes have represented the biggest challenge as they are very fleeting in nature and extremely difficult to pinpoint their proposed destruction. At times I have mixed feelings about chasing these storms: On one hand they are incredibly beautiful and on the other hand, these powerful storms can create devastating damage that change people's lives forever." - *ARRL*

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 or Al / W3CE at w3ce@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.

F.Y.I.

The August Program will be "GPS Systems Applications Simplified" - Ben / KB3CTX

The D.L.A.R.C. meets the "FIRST" Thursday of each month. Membership, friends and interested persons meet at the Bethlehem Township Community Center, 2900 Farmersville Road, Bethlehem, Pa. 18020) at 7:30 PM. Committee reports and announcements of all present and future activities will be presented at that time. Followed by that month's program.

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

QCWA Chapter 17 holds a net Monday evenings at 8:30 PM on 3960 +/- depending on conditions.

Mid-Atlantic D-Star Net meets each Tuesday at 7:30 PM. The following repeaters Dstar repeaters are available in the Lehigh Valley. W3OK -145.11000MHz -0.600 Port C – W3OI -147.16500MHz +0.600 Port C, – W3OI - 445.02500MHz -5.000 Port B All repeaters on the net are linked through **Reflector 020 port A**, so all stations checking into the net should make sure that they have *their local repeater call sign followed by the letter "G" in the eight position of the RPT2 field*. Otherwise, you will only be heard locally and not over the Reflector. Dongle users wishing to check into the net should Log On by connecting directly to Reflector 20, port A, rather than through your local repeater in order to conserve local bandwidth.

The OK Corral is an organization publication for the purpose of informing members of the D.L.A.R.C. of educational and training opportunities, club events, relevant news articles and a monthly calendar of daily activities, meetings and dates.

The Clubhouse telephone number is 484-895-7038.

**EXECUTIVE COMMITTEE 2012 – 2013
OFFICERS**

President – Charles Lazarchak / W3OPA ----- president@dlarc.org
Vice President – Dave Blankenship / N3EYT ----- vicepresident@dlarc.org
Secretary – John Barbaz / NT3P ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

Gary De Mave / N2AUO ----- captiangdm@gmail.com
Dave Mellman / KA3IWC ----- dbm073@gmail.com
Jon Matson / NJ3I ----- cjfishing@rcn.com
Doreen Gramling / K3PDL ----- country.lady06@yahoo.com
George Wieland / N3SQD ----- George@bioserv.com
Pete Varounis / NL7XM ----- nl7xm@arrl.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 Bethlehem Township Community Center
TALK IN ON 146.700 (PL 151.4)

THE W3OK TRUSTEE --- Jon Matson / NJ3I

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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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