

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.
APRIL 2017



W3OK

CORRAL

**Club Meeting April 6th, 7:30PM At the
Bethlehem Township Community Center**

APRIL MEETING PROGRAM
"THE WNP Radio Expedition"
Paul / N3YNT



KEN / KB3MDT
" Restoring Old Radios "

MINUTES FROM THE MARCH MEETING



A general membership meeting of the Delaware Lehigh Amateur Radio Club was held on March 2, 2017 at the Bethlehem Township Community Center, Bethlehem, Pennsylvania.

Called to Order: Bill / W3MJ, President at 19:30 hrs.

Pledge of Allegiance: Led by Steve / W3NAM, V.P.

The President welcomed and thanked all for coming and asked if anyone had anything special ham happenings or events from and for the membership. Jay / N3OW reported that in the RTTY CONTEST he and a few others did well. Our President along with Dave / NB3R and John / NJ3I did well also. W1PV / Skip stated that he did W.A.S. On 2 meters !! Great Job!! Sir.

Al / W3CE reported he and Barbara / W3ATC had a very good time with different happenings at Quartz Fest.

At this time the President announced that we have a new Web Master that being Rich Hurd / WC3T and read a letter of thanks to Brad Snyder / W3JXQ for his service to the Club.

Secretary's Report: Lester / W3LES read February's minutes and on a Motion to accept from Jay / N3OW and seconded by Dave / N3EYT the Motion was so moved by vote.

Treasurer's Report: Mike / KB3LOD gave his report and on a Motion to accept by Pete / NL7XM and seconded by Jay / N3OW the Motion was so moved by vote.

Club Station: Lester / W3LES reported that the Kenwood 590 has been sent in for updates and complete any other service it may need. Also there are still things that we can use and that we have received, so Donations are still accepted on Wednesdays 5-9pm and Saturdays 9 till noon or so. Just email him (lesterf52@gmail.com). And he Thanked those who have stepped in to help. He also spoke on something that was discussed a few years ago, and again last night's net that being the purchasing of 2 laptops (portability) to be used at Field day and other events we do that require Logging instead of carrying / lugging the 2 big Desktop tower computers and monitors with all the wires. This way everything can stay hooked up at the milkhouse. The Laptops will only be use for that, not loaned out and kept secure. More on this under New Business. **And Finally** he reminded all that it's your club station come out and use it. Hours for the Club Station are Saturdays 9am to noon and Wednesdays 5pm to 9pm or so for both days. If anyone would like to stop by at other times just contact Bill or him. **Remember to bring your QSL cards to hang up.**

Club Repeater: N3NVA / Barry is still working on the trouble we have with the noise and apologized for not having the Meeting announcement going off after the ID. **NO** need for an apology Barry Just a BIG THANK YOU for ALL you do. And the D-Star is working, but we are going to do some updating on it.

Web Site: Our new Web Master spoke on getting things straighten out, and will be reporting back. Thank you Rich.

Membership: Jo Ann / ND3JJ is asking all members to sign in with their Birth date for updating records. Remember see her for membership Cards, address or any updates. **Two Applications** were read and properly voted on. **Welcome** to the Club, Adam C. Waters / KC3IOO and Franklin Boots / KF2FI. To Date we are 162 Members strong.

Classes: Bob / KE3AW stated that there was a possibility of doing an Science Evening at the East Hills Middle School, April 7 and **Please contact** him if you want to help out. And he reminded all of the March Classes.

Old Business: The President reminded all that if you need Club Badges please see David / N3EYT. Club apparel can be purchased though Mark / W2MB. We are still looking for committee people for milk house and a Chairperson for Field Day Please contact him. We still need Elmers and the need to get more members qualified for FEMMA, ARES & RACES.

New Business: A discussion was had on the above subject of buying 2 Laptops, Jay / N3OW and Ben / WA3VYW were Appointed to be a committee of 2 to check out what we need and report back, All agreed. Pete NL7XM Stated that we could use an updated or newer Projector this also was discussed and more info was requested. He stated he will report back to the Board. Also he reminded all he had club items for sale and then did his trivia program on US States Geography.

Adjournment 8:32PM

Respectively Submitted

Lester Morrow / W3LES

APRIL CONTESTING AT THE OK CORRAL

- April 1 & 2 – 15m SSTV Dash Contest
- EA RTTY Contest
- April 8 & 9 – JI DX CW Contest
- OK/OM DX Contest - SSB
- April 15 & 16 – Worked All Provinces of China DX Contest
- YU DX Contest
- April 22 & 23 – UK/EI DX Contest – CW
- SP DX RTTY Contest
- April 29 & 30 – 10-10 International Spring Contest – Digital
- UK/EI CC 80m Contest
-



VE TEST SESSION

There will not be a test session this month. The next test session will be May 5th at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact Dean / N3HOG at dk28@ptd.net

APRIL QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5 DLARC Net (W3NAM)	6 DL ARC MEETING 7:30 PM	7 NO VE SESSION	8
9 PALM SUNDAY	10 PASSOVER BEGINS	11 PASSOVER	12 DLARC Net (ND3JJ)	13	14 GOOD FRIDAY	15
16 EASTER SUNDAY	17	18	19 DLARC Net (W3CE)	20 DLARC BOARD MEETING	21	22
23	24	25	26 DLARC Net (W0ROY)	27	28	29
30						

MARCH PROGRAM REPORT

The March meeting program presented by Ken / KB3MDT was " Restoring Old Radios ". This presentation depicted Ken's longtime hobby. One that began while he was still in high school. He had only limited training in electronics,, but he persevered and became proficient in these restorations.

Ken laid out his criteria to these the rest restorations, presenting how he handled all the steps in his processes. He used slides depicting a 1942 Montgomery-Wards Philco radio and a Heath Kit HW-101 showing the various steps in the restoration..

Starting with the safety steps necessary, then explaining the best practices to follow. He described the various types of restoration. Beginning with the definitions of restoration and what he personally wanted from his work.

Ken explained about deciding on your first project, and what needs in the way of aids you should have for example; schematics, parts lists and other information from various sources to aid in your decision to start such a project.

The next step to take is the cleaning of the project itself. Being careful not to remove any labels or markings that are on any of the components. Taking photographs and notes while doing this step may save you headaches down the road.

Much care must be taken with transformers, due to the scarcity of them, replacing them is usually difficult and possibly expensive. Most of the other components can be obtained easily.

Be sure to replace components one at a time to ensure proper installation. Many components simply need cleaning and/or TLC. Capacitors are the component that should be replaced if they are electrolytic or paperwax. Ceramic capacitors usually do not need replacement unless physically damaged. Carbon resistors have their values increase with age. Power cords should always be updated.

The biggest and most common problem is always components. However Ken found that he could obtain needed parts, eBay, Craig's List, Mouser, Antique Radio Supply, Jamescom and Antique Electronic Supply.

Ken ended with the usual question and answer period. **Another outstanding presentation.**

NOTICE

Tragedy struck one of our fellow EPA Section Amateur Radio Operators last week. Don Darcy, WK2RP, suffered a fire in his home and lost everything. His computer, amateur radio equipment, and all his worldly possession. His dog also perished in the fire. The Monroe County ARES and all of WK2RP's friends are rallying to help Don in his time of need. A Go Fund Me web site has been established to help with monetary donations so that Don can get back on his feet. The Go Fund Me Link for Don is: <https://www.gofundme.com/t39d8>

In addition, an area Amateur has offered warehouse space for donations. Tom Rist, KB3UFB, has provided the following information: With the Bad news of Donald (WK2RP) losing everything Do to a fire last week at the place of his living including his pet dog. Scott KA3IAO ; is offering a Warehouse place too Drop off anything from Cloths to Furniture for Donald's needs. Scott Can Be Reached at [610 – 462 -7917](tel:610-462-7917) to make arrangement's too drop off anything you can donate . His Address is 1 Blue Valley Dr. Bangor, Pa18013

If there is any you can contribute please do so to help WK2RP out in his time of need.

NEW WEBMASTER

Webmaster, Brad / W3JXQ is stepping down. Following a successful term, where he developed the website to the level it is now. Rich / WC3T will be assuming the duties. Thank You, Brad!. Welcome Rich!!

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 Frank Boots / KF2FI, and Adam Waters / KC3IOO.

REFLECTIONS FROM THE PAST



'50s Field Day, with original "Pot-Luck" possibility. (W3PYF Photo)

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

de Pete / NL7XM

MARCH BRAINTEASER ANSWER

If the officials thought he was jumping with a hostage, they would never risk giving him a faulty parachute.

Winner – **NO WINNER**

APRIL BRAINTEASER

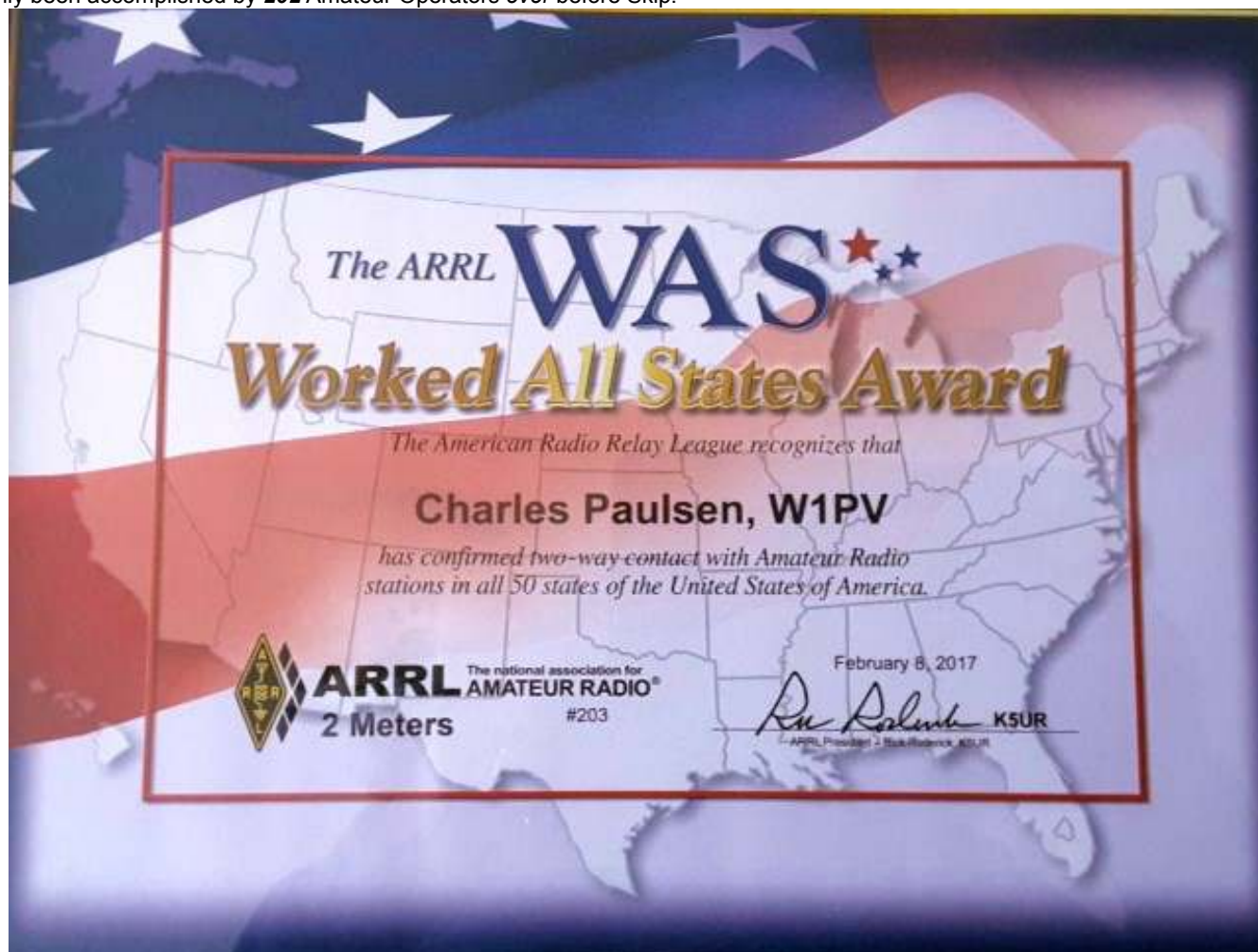
One snowy night, Sherlock Holmes was in his house sitting by a fire. All of a sudden a snowball came crashing through his window, breaking it. Holmes got up and looked out the window just in time to see three neighborhood kids who were brothers run around a corner. Their names were John Crimson, Mark Crimson and Paul Crimson. The next day Holmes got a note on his door that read '? Crimson. He broke your window.'

Which of the three Crimson brothers should Sherlock Holmes question about the incident?



CONGRATULATIONS ARE DUE

Congratulations to DLARC's Charlie (Skip) Paulsen, W1PV for achieving WAS on 2m. This *extremely* difficult challenge has only been accomplished by **202** Amateur Operators ever before Skip!



RADIO SHACK AGAIN FILES FOR BANKRUPTCY

Once the go-to store for radio amateurs, electronics tinkerers, and shortwave listeners, [RadioShack](#) has filed for Chapter 11 bankruptcy for the second time in 2 years, placing the future of its remaining stores in jeopardy. The 1,743 retail outlets that survived RadioShack's 2015 bankruptcy were acquired by General Wireless Inc., an affiliate of Standard General LP, which, at the time, received US Bankruptcy Court approval to acquire the inventory and assume the leases of the RadioShack stores. Now down to 1,500 stores, RadioShack once boasted more than 5,000 stores nationwide. At least some of RadioShack's 5,900 employees could be affected. That figure is down from 7,500 workers 2 years ago.

"RadioShack.com, stores, and dealer locations across the country are still currently open for business and serving customers," the company said in a [news release](#). "The Company is closing approximately 200 stores and evaluating options on the remaining 1,300. The Company and its advisors are currently exploring all available strategic alternatives to maximize value for creditors, including the possibility of keeping stores open on an ongoing basis."

The acquisition by General Wireless followed a bankruptcy auction in 2015. Plans at the time called for "co-branding" about 1,440 of the surviving stores with cellular phone provider Sprint Corp. RadioShack also has closed more stores and slashed operating expenses by more than 20%, but it wasn't enough. The company cited "surprisingly poor" mobile phone sales as a factor. Chapter 11 gives RadioShack another opportunity to restructure and stay in business. The retailer joins other brick-and-mortar stores forced to shutter outlets in the face of declining sales and fiscal losses, with electronics stores especially hard hit.

Dating its founding to 1921, RadioShack once offered a considerable array of name-brand Amateur Radio equipment -- even beams and towers -- along with home entertainment gear and discrete components -- including transistors, resistors, and capacitors. Its iconic 1960s-era catalog ran to more than 300 pages. In later years, it sold a fairly popular 2 meter handheld transceiver for a time, as well as Citizens Band equipment, 10-meter single-banders, and shortwave receivers. RadioShack's website is announcing a clearance sale, with some items steeply discounted.

"RadioShack did more to spread the early technology culture in the US than any other commercial institution," ARRL CEO Tom Gallagher, NY2RF, observed. "Its catalog was the *Boys' Life* of electronics."



The Wednesday Dinner Gang, prior to retiring to the Milkhouse

This a rotating restaurant location, check the repeater Wednesday for the latest spot. Also announced on the previous Wednesday Net.

TWO SLOPERS FOR ALL TRADITIONAL HF BANDS

By Vladimir Fursenko / UA6CA

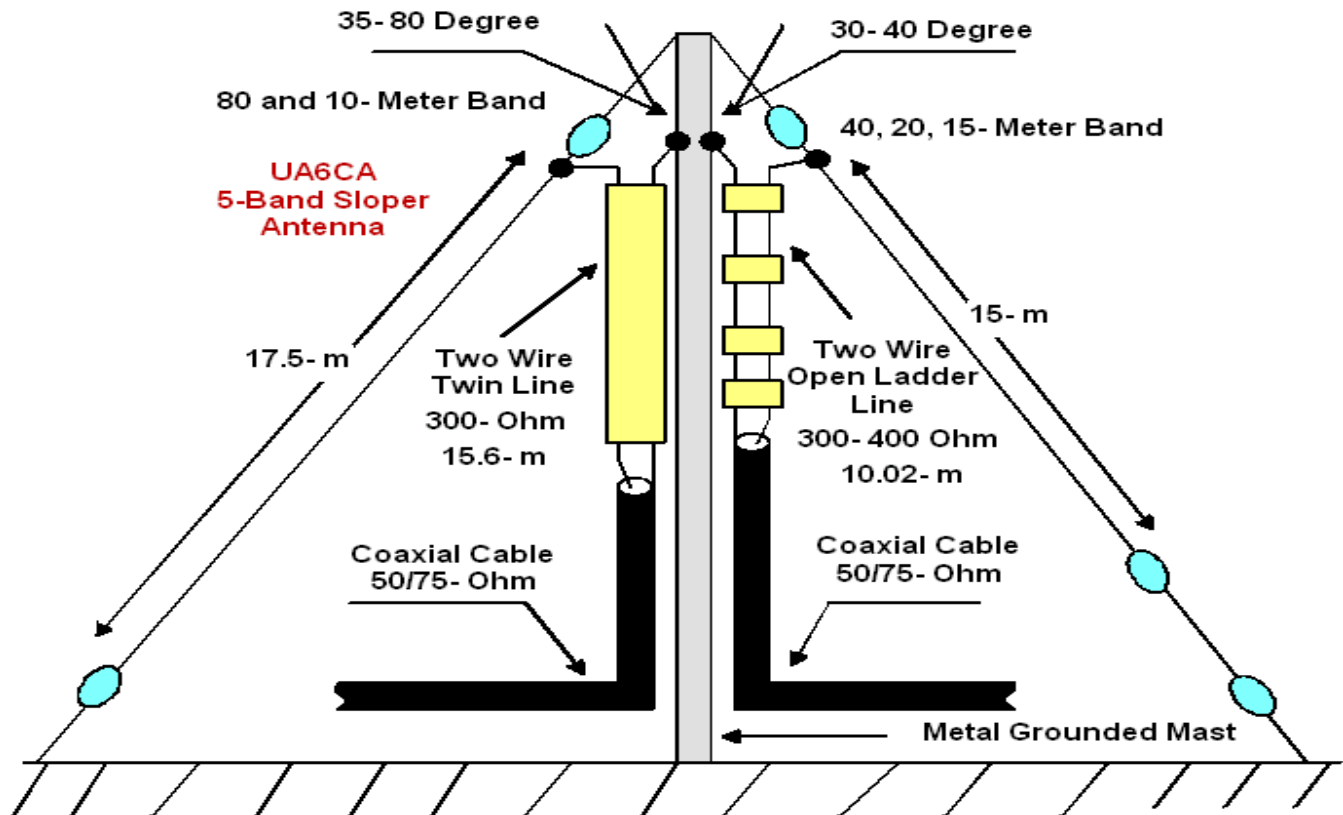
It is possible at one mast install two slopers that cover all traditional five HF-Bands- 80,- 40,- 40,- 15 and 10- meter.

Figure 1 shows the antenna.

One sloper covers 80 and 10- meter Bands another one covers 40, 20 and 15- meter Bands. Each sloper feed through separate coaxial cable. It is possible use 50 or 75-Ohm coaxial cable. Coaxial cable matched with antenna with help of length of two wire line. It may be open line or two wire line in plastic insulation.

For example, at the **Figure 1** it is shown at right- two wire open line and at left- two wire ribbon line. Line in plastic insulation should be shortened (factor 0.82) compare to two wire open line.

Coaxial cable may have any length. However, coaxial cable in length 13.65 or 27.30- meter for 40, 20 and 15- meter Band antenna and coaxial cable in length 27.0- meter for 80 and 10- meter Band antenna would give good result. The antenna gives over 0.5- 1.0- dB compare to VS1AA.



APRIL MEETING TRIVIA THEME: *TIME ZONES*

Past years have brought Door Prize Class gifts to attendees participating in fun activities during the 50/50 break between the DLARC Business Meeting and the formal Program Presentation.

This year, a modest prize (along with perpetual bragging rights) will go to someone in attendance who correctly answers direct Ham Radio history, related General Science, or Geography type trivia questions every month during 2017. (You do *not* have to be a DLARC Member to participate.)

Certain rules will strictly apply, such as no assistance permitted whatsoever from portable devices, or whispered coaching from non-participants. Snitching on cheaters is encouraged. Scoundrels will be stripped, lashed, tarred and feathered, placed in stocks for 3 days and nights without food before being water boarded and publicly executed.

The Category for the April Meeting is, "*Time Zones.*" Brushing up on as much of this subject as possible should give you a great advantage to answering the prepared, secret questions. No maps are permitted to assist you.

I will be the sole judge in determining the winners each month

. Vy 73, es GL.

de PeteTheGreek / NL7XM

MARCH MEETING TRIVIA WINNER

No individual winner, but 12 really nice prizes consisting of Electronics Books, Stationary Items, and a Vintage 1920's QST Magazine went home with attendees who know their Geography!

REDNERS' SUPERMARKETS SAVE-A-TAPE PROGRAM

Here's how it works:

Redner's has a terrific program to support the Club **AT NO COST TO THEM**, if our members simply sign up for a Gas Card that records their shopping points, and give their cash register receipts to, **Pete / NL7XM**, He'll do the rest.

Note: This does not affect your gas points in any way.

HELP THE ENVIRONMENT

Donate your old, empty printer ink cartridges to the Club for recycling. Any brand, model, size or shape; color or black. Please bring them to the meeting in a leak proof ziplock type baggie and give them to Pete / NL7XM. This simple act can help your Club by reducing recurring expenses, and make you feel a lot better about our environment.

THE ORIGIN OF 73

By Louise Ramsey Moreau, W3WRE:

The traditional expression "73" goes right back to the beginning of the landline telegraph days. It is found in some of the earliest editions of the numerical codes, each with a different definition, but each with the same idea in mind - it indicated that the end, or signature, was coming up. But there are no data to prove that any of these were used.

The first authentic use of 73 is in the publication "The National Telegraphic Review and Operators' Guide", first published in April 1857. At that time, 73 meant "My love to you!" Succeeding issues of this publication continued to use this definition of the term. Curiously enough, some of the other numerals used then had the same definition as they have now, but within a short time, the use of 73 began to change.

In the National Telegraph Convention, the numeral was changed from the Valentine-type sentiment to a vague sign of fraternalism. Here, 73 was a greeting, a friendly "word" between operators and it was so used on all wires.

In 1859, the Western Union Company set up the standard "92 Code." A list of numerals from one to 92 was compiled to indicate a series of prepared phrases for use by the operators on the wires. Here, in the 92 Code, 73 changes from a fraternal sign to a very flowery "accept my compliments", which was in keeping with the florid language of that era.

Over the years from 1859 to 1900, the many manuals of telegraphy show variations of this meaning. Dodge's "The Telegraph Instructor" shows it merely as "compliments." The Twentieth Century Manual of Railways and Commercial Telegraphy defines it two ways, one listing as "my compliments to you"; but in the glossary of abbreviations it is merely "compliments". Theodore A. Edison's Telegraphy Self-Taught shows a return of "accept my compliments". By 1908, however, a later edition of the Dodge Manual gives us today's definition of "best regards" with a backward look at the older meaning in another part of the work where it also lists it as "compliments".

"Best regards" has remained ever since as the "put-it-down-in-black-and-white" meaning of 73 but it has acquired overtones of much warmer meaning. Today, amateurs use it more in the manner that James Reid had intended that it be used - a "friendly word between operators".

I hope that this helps you in some way....

73,

(Via Louise Ramsey Moreau, W3WRE, & Charles A. Wimer, KC8EHA)

MORE COUNTRIES AUTHORIZE 60 METER BAND

Uruguay and Hong Kong join the list of countries that have established new bands in the vicinity of 5 MHz. The *Final Acts of World Radiocommunication Conference 2015 (WRC-15)* provided for a secondary international allocation of 5,351.5 to 5,366.5 kHz to the Amateur Service.

In Uruguay, new Amateur Radio regulations that came into force on February 24 provide for a 5,351.5-5,366.5 kHz 60-meter band as well as for allocations on 472-479 kHz, 47-47.2 GHz, and 77.5-78 GHz. In addition, radio amateurs in Uruguay now have extended allocations on 80 meters, 3,500-4,000 kHz, and on 160 meters, 1,800-2,000 kHz. The new bands and sub-bands were adopted according to the recently updated International Amateur Radio Union Region 2 (IARU-R2) band plan.

Holders of the General class license in Uruguay may operate with 15 W EIRP, while *Superior* licensees may operate with 25 W EIRP.

Uruguay also has established a Beginner (*Inicial*) class license and a training program for new radio amateurs with mandatory operating practice on 80, 40, 10, and 2 meters. Uruguay has established procedures for non-citizens to apply for and renew Amateur Radio licenses, and reciprocal permits for non-residents will be available.

In Hong Kong, telecommunications authority OFCA [has allocated](#) 5,351.5-5,366.5 kHz to the Amateur Radio Service on a secondary basis. The maximum power permitted is 15 W EIRP. All 60-meter allocations are on a secondary basis.

While US radio amateurs have access to five discrete 60-meter channels, they do not yet have access to a contiguous band in that part of the spectrum. Comments are due on March 20 on ARRL's January 12 [Petition for Rule Making](#) to allocate a new, secondary amateur band at 5 MHz, while keeping four of the current five 60-meter channels -- one would be within the new band -- as well as the current operating rules, including the 100 W PEP effective radiated power (ERP) limit. The federal government is the primary user of the 5 MHz spectrum in the US.

The FCC has designated the League's [Petition](#) as RM-11785. Interested parties may [comment](#) on the League's [petition](#) via the FCC Electronic Comment Filing System ([ECFS](#)).

F.Y.I.

The May Program will be "DMR (Digital Mobile Radio)" – Mark / W2MB

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.

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 (DCS 315) W3OI Repeater.

QCWA Chapter 17 holds a net Monday evenings at 8:30 PM on 3960 +/- depending on conditions. Other inputs are the 146.85 repeater, (151.4 PL) and Echolink at K2PM-R.

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 2016 – 2017
OFFICERS**

President – Bill Connelly / W3MJ ----- president@dlarc.org
Vice President – Steve Harper / W3NAM ----- vicepresident@dlarc.org
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Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

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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 Bethlehem Township Community Center
TALK IN ON 146.700 (PL 151.4)

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

**The W3OK Corral is published monthly and is the Official Publication of the
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