

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

FEBRUARY 2018



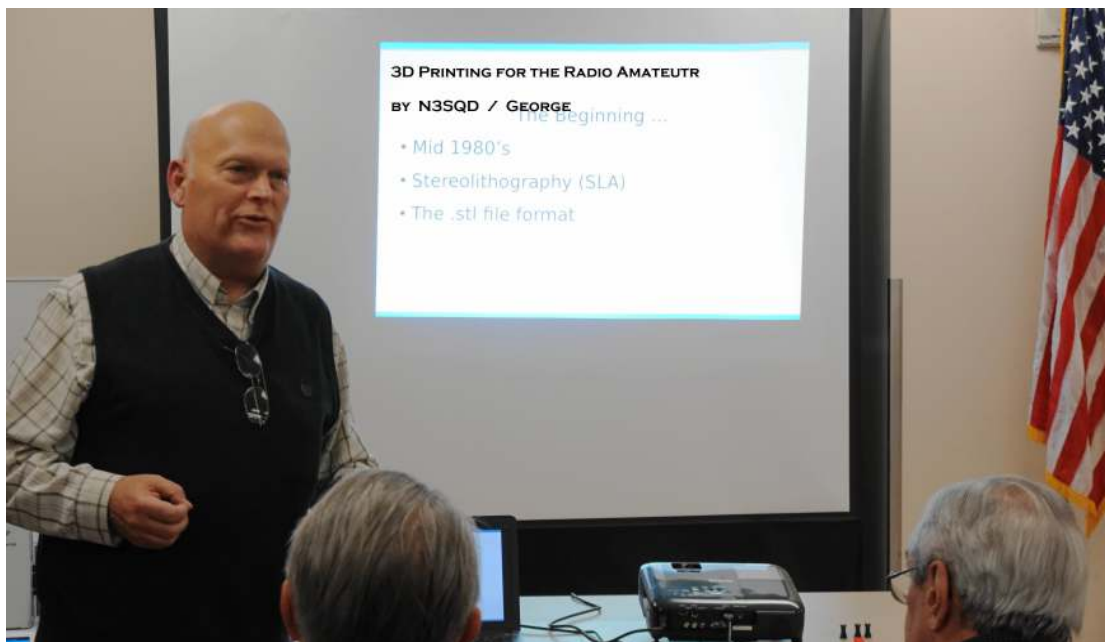
W3OK

CORRAL

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

FEBRUARY MEETING PROGRAM

**“Therapy Dogs”
Joel / WB3IWC**



JANUARY PROGRAM REPORT

“3D Printing and Amateur Radio”

George / N3SQD

FROM YOUR PRESIDENT'S SHACK

Volunteerism

2019 is in full progress and most of us are working with a fresh set of ideas for the coming months. We all involve ourselves in activities where we can find good camaraderie while doing something fun to take our minds off the less than fun aspects of our lives. Ham Radio is a wonderful hobby which provides us a way to get completely engaged in building a project, working a contest or just chatting with others we know on or off the radio. Ham Radio challenges us with the nearly endless different modes and bands(VLF/HF/VHF/MICROWAVE) to make contacts on. It serves as a means of providing public service to our local communities as well as giving us a new and ever expanding set of people we can chat with on the air. Some of us excel with the technical side of the hobby and we can offer our help to show new hams how to setup a station, deal with an antenna issue and maybe even getting over that initial frightful stage of making our first contacts on the air. Consider offering your time even if its just advice via a telephone conversation or email to someone new to the hobby looking for help. A friendly offer goes a long way to making others feel welcome to ham radio. More than ever, ham radio is in need of those that can volunteer their time to help others become more comfortable operating their stations. Enthusiasm is contagious. If you enjoy a particular mode or band, share the experience with another ham. If you are new to ham radio, considering volunteering for an activity in DLARC. This is a great way to get involved and quickly learn skills in communicating even if you feel apprehensive about the experience. HAM RADIO is all about learning new cool stuff you never did before. All hams can share their very first contact experience with others new to ham radio. Most of us remember that first contact where we stuttered over the simplest of words or totally forgot what to say next when the other station turned the QSO back to us for our turn. We all survived that first contact experience and can laugh about it now. Take care of that inner child in yourself and you will find fun in all activities .

Stephanie / WX3K President - DLARC

JAN MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on January 3, 2019 at the Bethlehem Township Community Center, Bethlehem, PA.

President, Stephanie Koles, WX3K, called the meeting to order at 7:30 p.m.

President's Report:

1. Canada is kicking off its own "Parks On The Air." For more information go to <https://cnpota.ca/>. People are urging ARRL, which sponsored NPOTA in 2016, will make this an annual event.
2. Saturday, January 5th, is ARRL's Kids Day. For more information go to <http://www.arrl.org/kids-day>.
3. There is a VHF contest on the January 19-21. For more information go to <http://www.arrl.org/january-vhf>.
4. At the Board meeting the subject of the Forum was raised. This vehicle is different from the reflector. In order to use it you must first register on the website. Stephanie asked the membership whether or not they thought we should retain the Forum component on our website since it is not actively used. It was noted that the forum is useful for announcing items for sale or giveaways. There was also the suggestion that many members are not aware of Forum, and that we should advertise its availability.

Secretary's Report: JoAnn Schaffer, ND3JJ, announced that the Minutes for the December 2018 General Meeting were emailed to the membership on December 27, 2018. A motion to accept the Minutes was made by Dean Guth, AB3BD, seconded, and so moved.

Treasurer's Report: Treasurer Mike Gower, KB3LOD, being absent, the Secretary gave his report for November 2018. The Club's balance as of Nov. 31, 2018 was \$3,892.47. A motion to accept the Treasurer's Report was made by Jay Mason, N3OW, seconded, and so moved.

Committee Reports:

- **Club Station:** Les Morrow, W3LES, described the equipment we are auctioning off and how to submit a bid, which must be received by March 31, 2019. Forms will be available at the General Meeting, the Club Station, and will be included in the Newsletters for February and March. Les also reported that the Technical Committee is still working on the beam antenna problem. In addition, they have been asked to look into the problem of increasing amounts of noise that the station has been experiencing over the last 2 years. Some ferrite wrapping and filtering may help. However, the source is probably due to the development of the Northampton County property.
- **Field Day:** George Wieland, N3SQD, announced that Field Day this year will be at Bicentennial Park.
- **Membership:** Terry Swinney, KC3JHT, nominated Laurie Eisenberg N3JUD, and Justin Rau, KC3EZZ, for Full member, and Donald Treichler, N2LPD, for Associate membership. Dean Guth, AB3BD, moved to accept their applications. It was seconded and so moved. Terry asked that those who renew their dues through PayPal indicate their call sign. The Club currently has 103 members who have renewed their membership and 11 life members. Including Associate members, we have 135 members.
- **WX3MAS:** David Blankenship, N3EYT, said that we made about 267 contacts at the Christmas Cities special event. Although this was less than last year, we experienced a number of technical problems. He is looking into the possibility of members who live in the Bethlehem/Nazareth/Emmaus area working the event from their home stations next year.

New Business:

Stephanie said there was some discussion about getting more activity on the repeater. Dean Guth proposed that we pick 3 times during the day, perhaps at 3, 7 and/or 10 p.m., when people could just through their call sign out. In that way people could become known and perhaps start discussions.

Another way to get more activity on the repeater is to offer a monthly "Tech Net." Stephanie would be willing to be Net Control for a Tech Net. Don Holmes, KC3II, noted that we used to have a Tech Net after the Wednesday ARES/RACES net, but it only lasted about 3 months. Pete Varounis, NL7XM, said that the Forum would be a good place to start if anyone had a technical question, but it would need a moderator. There were no volunteers to moderate a tech net on the Forum.

Stephanie asked the membership what ham topics they want to learn more about. The response: sun spots; how to utilize all the features on the logging program N1MM; propagation; mesh networking for digital modes; and how to set up a station.

Adjournment: There being no further business, the meeting was adjourned at 8:14 p.m.

Minutes submitted by

Secretary, JoAnn Schaffer, ND3JJ

FEBRUARY QUICK CHECK CALENDAR

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1			1	2 Ground Hog Day
SUPER BOWL LIII	4	5 Lunar New Year	6 DLARC Net (K3PDL)	7 DLARC Meeting 7:30 PM	8 No VE SESSION	9
10	11	12	13 DLARC Net (W3NAM)	14	15	16
17	18 President's Day	19 DLARC BOARD MEETING	20 DLARCC Net (ND3JJ)	21	22	23
24	25	26	27 DLARC Net (K3ACW)	28		

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 Laurie Eisenberg / N3JUD, Justin Rau / KC3EZP and Donald Treichler / N2LPD.

FEBRUARY CONTESTING AT THE OK CORRAL



- February 2 & 3 – 10-10 Inter.national Winter Contest – SSB
– F9AA Cup – CW
- February 9 & 10 – CQ WW RTTY WPX Contest
– Balkan HF Contest
- February 16 & 17 – ARRL International DX Contest – CW
– Russian PSK WW Contest
- February 23 & 24 – CQ 160 Meter Contest – SSB
– UBA DX Contest – CW



VE TEST SESSION

There will not be a test session this month. The next session will be on March 8th at 7 PM at the Northampton County 911 center. Pretest registration is required. Contact John / NC3P at nc3p@arrl.net

JANUARY MEETING PROGRAM REPORT
3-D PRINTING AND AMATEUR RADIO
George / N3SQD



Starting with the background George explained how this process is in continuing growth and how it began in the mid-1980s as stereolithography using a STL format, 3-D form and photosensitive resin.

Explaining the types of printers available, and the multiple programs that can be used and available from the Internet, George Hubbard the steps that are followed to produce and design any objects you desired.. He explained the availability on the Internet, pre-design patterns, materials and the necessary programs to satisfy your needs.

George covered designing your own item and converting it into a usable format than building the final product. He used a funnel as his design pattern, then demonstrated how to convert it to a usable pattern.

While George was presenting his program is 3-D printer was building a chess rook, which upon completion was passed around the audience.

George finished up with examples and photos of items he produced for his own personal use. Several members added to the presentation their own experiences with the 3-D printing process.

The program and it with the usual question and answer session and some thoughts among the attendees towards obtaining their own printers. We had another fine program, Thank you, George, for the fine program.

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.***

Les Lohrman / WA3ENE

FIELD DAY 2019

Field fday for 2019 will be held on June 22 & 23. The DARC will hold their event at All American Park. This annual event is a demonstration of emergency drill skills and a fun social gathering. On air practice for real emergencies and a chance to get on the air if you don't have a station of your own yet, An ove rral chairperson is needed as are food schedulers and equipment organizers. If you are interested in any of the positions, contact any member of the Executive Committee, their contact information is listed on the back page of this newsletter.

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



JANUARY BRAINTEASER ANSWER "A Dish or Silverware"

The winner is **Bob / KE3AW**



FEBRUARY BRAINTEASER

What are the smallest whole numbers such that the difference of their squares is a cube, and the difference of their cube is a square?

REFLECTIONS FROM THE PAST



**Bob / KE3AW Alan / WO4H Ben / KB3CTX Dave / KA3IWC
Field Day 2009..**

WEDNESDAY EVENING DINNER CLUB

Don't forget the Wednesday Evening Dinner Club. Club members get together for dinner prior to heading up to the "Milkhouse" for the weekly gathering. Listen to the Wednesday Net for the following weeks location. Each week is a different location. Also it is posted on the club FORUM. A fun get together!

REPEATER ETIQUETTE

Atlantic County ARES Web Page Via **Bob Green / KE3AW**

Every couple of years it seemed we used to "remind" operators using our repeaters of the proper etiquette to be used on W3OK. With numerous new hams over the past couple years, or hams new to this area, it may be worth considering using/altering to suit us some such guide to operators in our club. I know, from recent questions to me about a number of points covered in this article, below...

Here is the Delaware-Lehigh Amateur radio Club Repeater Etiquette

Use of the W3OK Repeater

- 1-Usage will be in accordance with FCC Rules Part 97.
- 2-Users will comply with directives of the control operator.
- 3-Transmissions will be courteous and professional. (See Basic Repeater Etiquette Below)
- 4-The time out timer is set for 90 Seconds. Keep transmissions under that time. Leave breaks between transmissions so the repeater can drop and the time out timer resets.

Basic Repeater Etiquette

- 1-Starting a QSO via a directed call. There are two main ways by which a QSO can begin, one is via a directed call and one is via monitoring. A directed call is where one amateur calls another amateur individually, such as "N3XYZ from K3ABC". In such a case, K3ABC is looking for one particular individual, N3XYZ. It generally is not an invitation for anyone other than N3XYZ to return the call. If N3XYZ doesn't answer the call, K3ABC may just clear off by saying "K3ABC clear", or may clear and listen for other calls by saying "K3ABC clear and listening". The "and listening" or "and monitoring" implies they are interested in hanging around to QSO with anyone else who might be listening at that time. "Listening" and "monitoring" don't mean you are listening to somebody else's conversation, they mean you are listening for other people who may want to call you to start a new QSO. Likewise, just saying your call by itself with nothing following it is meaningless. If you were to say "N3XYZ", people listening wouldn't know if that means you were monitoring for calls, whether you were testing, or whether they missed the callsign of a party you were calling. Be concise, but be complete.
- 2-Starting a QSO via a monitoring call. If the repeater is not in use, simply stating your callsign followed by "listening" or "monitoring" implies that you are listening to the repeater and are interested in having a QSO with anyone else. Calling CQ on a repeater is generally not common, a simple "N3XYZ listening" will suffice. There is no need to repeat the "listening" message over and over again as you might do when calling CQ on HF. Once every few minutes should be more than sufficient, and if someone hasn't answered after a few tries, it probably means there is nobody around. If someone is listening and wants to QSO, they will answer back. Avoid things like "is anybody out there" or "is there anybody around on frequency"; it sounds like a bad sci-fi movie.
- 3-Joining a QSO in progress. If there is a conversation taking place which you would like to join, simply state your callsign when one user unkeys. This is the reason for having a courtesy tone: to allow other users to break into the conversation. One of the stations in QSO, usually the station that was about to begin his transmission, will invite you to join, either before making his own transmission or afterward. Don't interrupt a QSO unless you have something to add to the topic at hand. Interrupting a conversation is no more polite on a repeater than it is in person.
- 4-Interrupting a QSO to make a call. If you need to make a directed call to another amateur but there is already another QSO going on, break into the conversation during the courtesy tone interval by saying "Call please, N3XYZ". One of the stations will allow you to make your call. If the station you are calling returns your call, you should quickly pass traffic to them and relinquish the frequency to the stations who were already in QSO; don't get into a full QSO in the middle of someone else's conversation. If you need to speak with the party you call for a significant length of time (say, more than 15 seconds), ask them to either wait until the current QSO has cleared, or ask them to move to another repeater or simplex channel to continue the conversation.
- 5-Round tables and "Turning it Over". When more than two amateurs are in a QSO, it is often referred to as a "round table" discussion. Such a QSO's usually go in order from amateur A to amateur B to amateur C ... and eventually back to amateur A again to complete the round table. To keep everyone on the same page, when any one amateur is done making a transmission, they "turn it over" to the next station in sequence (or out of sequence, if so desired). Without turning it over to a particular station when there are multiple stations in the QSO, nobody knows who is supposed to go next, and there ends up either being dead silence or several stations talking at once. At the end of a transmission, turn it over to the next station by naming them or giving their callsign, such as "...and that's that. Go ahead Joe." or "...and that's that. Go ahead XYZ." If it's been close to 10 minutes, it's a good time to identify at the same time as well, such as "...and that's that. N3XYZ, go ahead Joe."
- 6-IDing and Who's Who? By FCC regulations, you must always identify at 10 minute intervals and at the end of a transmission. If you are making a test transmission or calling another party, this is a one-way transmission. Since it has no "length" as there is no QSO taking place, you should identify each time you make a call or a test transmission. When identifying yourself and another party (or parties), or when making a directed call, your callsign goes **LAST**. "N3XYZ, K3ABC" means that K3ABC is calling N3XYZ, not the other way around. There is no need to identify each time you make a transmission, only once every 10 minutes. You do not need to identify the station with whom you are speaking, only your own callsign, but it is generally polite to remember the call of the other station. Avoid phonetics on FM unless there is a reason for using them, such as the other station misunderstanding your callsign. When phonetics are needed, stick to the standard phonetic alphabet.
- 7-Demonstrations. From time to time, an amateur may want to demonstrate the capabilities of amateur radio to another non-amateur. The typical way to do this is to ask for a "demo" such as "N3XYZ for a demonstration." Anyone who is listening to the repeater can answer them back. Usually telling the calling party your name, callsign, and location is what they are looking for, not a lengthy conversation. Someone doing a demo may ask for stations in a particular area to show the range of amateur radio communications, such as if the calling station is in the Poconos they may ask for any stations in south Jersey or Harrisburg areas, which is more interesting than demonstrating that they can talk to someone in the same town as they are in.
- 8-Signal Reports. If you are unsure how well you are making it into the repeater, **DO NOT** kerchunk the repeater. Any time you key up the repeater, you should identify, even if you are just testing to see if you are making the machine. "N3XYZ

test" is sufficient. Do not use the repeater as a "target" for tuning or aiming antennas, checking your transmitter power, etc. Use a dummy load where appropriate, or test on a simplex frequency. If you need someone to verify that you are making the repeater OK, ask for a signal report such as "N3XYZ, can someone give me a signal report?" "Radio check" is a term most often used on CB, "signal report" is what most amateurs ask for.

9-Language. Aside from some of the techno-syncretisms inherent in amateur vernacular, use plain conversational English. The kind of English that would be suitable for prime-time television, not R rated movies. Avoid starting or encouraging conflicts on the air. If a topic of conversation starts to draw strong debate, change the subject. Avoid "radio-ese" lingo whenever possible. CB has its own language style and so does amateur radio, but the two are not the same. Amateurs have names", not "personals". Although many new hams have graduated from the CB ranks, let's try to keep CB lingo off the amateur bands. When visiting a new repeater, take some time to monitor before jumping in to get a feel for the type of traffic and operating mannerisms of that particular system. Some repeaters are very free-wheeling in that there are people jumping in and out of conversations constantly. Others primarily have directed calls on them and discourage ragchewing. Others are member-exclusive repeaters. Listen before you talk, when in Rome do as the Romans do.

10-Emergencies. If there is a QSO going on, break into a conversation with the word "Break" or "Break for priority traffic."

DO NOT USE THE WORD BREAK TO JOIN IN A QSO UNLESS THERE IS AN EMERGENCY! All stations should give immediate priority any station with emergency traffic.

11-Malicious Interference. If there is malicious interference, such as kerchunking, touch-tones, rude comments, etc. **DO NOT ACKNOWLEDGE IT!** Continue the QSO in a normal fashion. If the interference gets to the level where it is impossible to carry on the QSO, simply end the QSO as you normally would.

12-Power. Use the minimum power necessary to complete a QSO. However, the minimum power necessary doesn't just mean you are barely tickling the repeater receiver squelch. If someone says that you are noisy, increase power or relocate or take whatever measures you can to improve your signal. Continuing to make transmissions after being told your signal is noisy is inconsiderate to those listening. The amateur radio manufacturers continue to come up with newer, smaller handheld radios, many with power levels well under a watt. Many new amateurs start out with a handheld radio as their "first rig". Although convenient, they aren't the most effective radios in terms of performance. Without a good external antenna, operating a handheld radio indoors or inside a car is going to result in a lot of bad signal reports.

W3OK CLUB STATION

Better known as the "Milkhouse" is open Wednesdays' 6 PM until ??, and Saturdays' 9:30 AM until ??. Our repeater 146,700 is always on ... So just call W3OK and check.

de Les / W3LES

NEW D-STAR ONE NANOSATELITES LAUNCHED, Es'HAIL 2 TESTING UNDERWAY

A December 27 *Soyuz* launch deployed the two German Orbital Systems D-STAR ONE satellites D-STAR ONE - Sparrow and D-STAR ONE - iSat. Beacons have been successfully received from both satellites, which carry a D-STAR repeater with an uplink at 437.325 MHz and downlink at 435.525 MHz. The D-STAR ONE - Phoenix 3U CubeSat, launched last February, was lost. A pair of *Kanopus V* remote-sensing satellites was the primary payload. The flight carried 28 satellites in all.

"During the first low-elevation pass over Berlin, our team established successful contact with both satellites," German Orbital Systems said. "The received telemetry confirms nominal status of all systems."

The December *Soyuz* flight also deployed the *UWE-4* 1U CubeSat carrying an electric propulsion experiment and a 70-centimeter 9.6 k AX.25 digipeater, with an uplink/downlink frequency of 437.375 MHz.

Elsewhere, AMSAT-DL (Germany) has reported that in-orbit testing of the P4-A ham radio transponders on Es'hail-2 has begun. Es'hail-2 is the world's first geostationary satellite carrying Amateur Radio transponders. During testing, AMSAT-DL cautioned, no one should transmit on the Es'hail-2 uplink.

"Like everyone, we are very excited by the received signals so far, and we do appreciate any monitoring and receiving reports from the Amateur Radio community," AMSAT-DL said, noting that unsolicited transmissions on the Es'hail-2 uplink not only could delay commissioning but adversely affect relations with satellite owner Es'hailSat.

When all in-orbit testing has been successfully completed, the satellite will be moved to its final orbital position at 26° E. The satellite carries an Amateur Radio S-band and X-band payload capable of linking radio amateurs from Brazil to Thailand. It's unlikely that Es'hail-2 will be accessible from North America with typical Amateur Radio satellite gear, however

THIRD WEDNESDAY, MONTHLY COMMUNICATIONS EXERCISES SET

FEMA Region 10 will conduct monthly communications exercises (COMMEX) on the third Wednesday of each month, starting on January 16, 1730 - 1900 UTC. Amateur Radio operators are invited to take part. The intent of these exercises is to test and exercise

interoperable communication (federal/state/local/tribal/Amateur Radio) during a major disaster in which the communication infrastructure is significantly damaged or destroyed.

FEMA Region 10 will use the call sign WGY910. Other stations associated with agencies and organizations that provide response support in accordance with the National Response Framework are encouraged to participate.

The COMMEX will use these "dial" or "window" frequencies on 60 meters - including 5,330.5 kHz, 5,346.5 kHz, 5,357.0 kHz, 5,371.5 kHz, and 5,403.5 kHz - as part of the exercise. The area of operation is the continental US.

ARRL PETITIONS FCC TO INCORPORATE PARITY ACT PROVISIONS INTO AMATEUR RADIO RULES

The ARRL has filed a *Petition for Rulemaking (PRM)* asking the FCC to amend its Part 97 Amateur Service rules to incorporate the provisions of the Amateur Radio Parity Act. The *Petition* has not yet been assigned a rule making (RM) number and is not yet open for public comment. In the past, the FCC has said that it would not take such action without guidance from the US Congress, but, as ARRL's *Petition* notes, the Congress "has overwhelmingly and consistently" offered bipartisan support for the Amateur Radio Parity Act.

"Private land use regulations which either prohibit or which do not accommodate the installation and maintenance of an effective outdoor antenna in residences of Amateur Service licensees are unquestionably the most significant and damaging impediments to Amateur Radio Service communications that exist now," ARRL said in its *Petition*. "They are already precluding opportunities for young people to become active in the avocation and to conduct technical self-training and participate in STEM [science, technology, engineering, and mathematics] learning activities inherent in an active, experiential learning environment. Without the relief in this *Petition*, the future of Amateur Radio is bleak indeed." The proposed amendments would have no effect on the FCC's limited preemption policy in §97.15(b), which pertains to state and municipal governing bodies, ARRL said.

Specifically, ARRL is proposing that the FCC amend Part 97 by adding a new subsection under §97.15, that prohibits and ceases the enforcement of, "Any private land use restriction, including restrictive covenants and regulations imposed by a community association," that either fails to permit a licensee to install and maintain an effective outdoor antenna capable of operation on all Amateur Radio frequency bands, on property under the exclusive use or control of the licensee; precludes or fails to permit Amateur Service communications, or which does not constitute the minimum practicable restriction on such communications to accomplish the lawful purposes specifically articulated in the declaration of covenants of a community association seeking to enforce such restriction. ARRL's proposed rule would not affect any existing antenna approved or installed before the effective date of a *Report and Order* resulting from ARRL's petition.

The proposed provisions reflect the accommodation reached in the ultimate version of the Parity Act bill at the urging of federal lawmakers between ARRL and the Community Associations Institute (CAI), the only organization representing homeowners' associations. "That legislation was passed unanimously by the House of Representatives four separate times and has the support of the Senate Commerce Committee and the current Administration," ARRL stressed.

"Private land use regulations are not 'contracts' in the sense that there is any meeting of the minds between the buyer and seller of land," ARRL said. "Rather, they are simply restrictions on the use of owned land, imposed by the developer of a subdivision by recordation in the land records of the jurisdiction when it is first created. They bind all lots in the subdivision. If an Amateur Radio licensee wants to buy a home in a subdivision burdened by deed restrictions, that licensee has precisely two options: Buy the residence subject to the restrictions, or do not buy the residence. There is no negotiation possible because the restrictions are already in place and cannot be waived by a seller in favor of a buyer."

ARRL noted in its *Petition* that an increasing number of homes available for purchase today are already subject to restrictive covenants prohibiting outdoor antennas, and that the Community Associations Institute data show that 90% of new housing starts in the US are subject to deed restrictions and other limitation that make installation of outdoor Amateur Radio antennas ineffective or impossible.

Also, ARRL pointed out that the Telecommunications Act of 1996 gives the FCC jurisdiction "to preempt private land use regulations that conflict with federal policy and that private land use regulations are entitled to less deference than municipal regulations, because the former are premised solely on aesthetic considerations rather than safety issues, whereas municipal regulations are concerned with both."

"It is now time for actual and functional parity in the Commission's regulations in order to protect the strong federal interest in Amateur Radio communications," ARRL said.

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.

ELIMINATE CALLS OR CHARGES FROM TELEMARKETING CALLS TO CELL PHONES

First be sure that your cell-phone number is on the do-not-call list (www.donotcall.gov or 888-382-1222). If you receive a call that is not identified with caller ID, don't answer it. If you answer a telemarketer's call or use your minutes to call voice mail to receive a message from a telemarketer, ask your service provider to have the minutes restored. You also can call your carrier for credit if you get text messages from telemarketers.

Never return a call to a number you don't recognize – it may seem to be domestic, but actually could be in an area where US regulators have no authority, such as Turks and Caicos, which has a 649 area code. If you get repeated unwanted calls from the same area code, ask to have incoming calls from that area blocked.

HELPFUL: For information on fraud and on-line way to submit complaints to regulators, go to the web site of the National Consumers League's Fraud Center, www.fraud.org.

W3OK BID FORM

Make	Model	Your bid
Yaesu	FT 840	
Kenwood	TS 520	
Kenwood	430S	
Kenwood	440S	
Icom	706MKIIG with LG matched tuner	
	Two boxed 3-500Z power triode tubes	
MFJ	9040 – 40 meter QRP CW transceiver	

ALL RADIOS COME WITH EITHER A DESK OR HAND MIC, OR BOTH, AND REQUIRE A POWER SUPPLY.

(The radios are used but in working order. Because they are used, we offer no Guarantee.)

Bidder's
Name: _____

Call Sign: _____

Phone: _____

DATE OF
BID: _____

ALL BIDS MUST BE RECEIVED BY MARCH 31, 2019

Procedure:

1. Items may be viewed at the Club Station on Wednesday evenings or Saturdays between 9 a.m.-12 p.m.
2. EACH ITEM you are bidding for should be submitted on a separate form
3. EACH ITEM you are bidding for must be submitted in a separate, sealed envelope.
4. Your bid(s) may be handed to Les Morrow or any Board member, or mailed to DLARC, Graystone Building, 14 Gracedale Avenue, Nazareth, PA 18064.
5. Winning bidders will be notified, and arrangements made for pick up once payment is received.
6. *In the event of a tie, or if no bid is at or above the set minimum bid, all parties will be so informed and asked to submit a new bid.*

**IF YOU HAVE ANY QUESTIONS, CONTACT THE W3OK STATION
MANAGER, W3LES/LES MORROW, AT (484) 408-3993**

F.Y.I.

The March Program will be "CISM" - Critical Stress Debriefing – Joel / WB3IWC

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.

NORTHAMPTON COUNTY 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 147.350 (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.

EXECUTIVE COMMITTEE 2018 – 2019 OFFICERS

President – Stephanie Koles / WX3K ----- president@dlarc.org
Vice President – Bill Connelly / W3MJ ----- vicepresident@dlarc.org
Secretary – JoAnn Schaffer / ND3JJ ----- secretary@dlarc.org
Treasurer – Mike Gower / KB3LOD ----- treasurer@dlarc.org

BOARD of DIRECTORS

Gabe Lantos / KZ2A ----- gpl-3639@gmail.com
Dean Guth / AB3BD ----- babydean1@hotmail.com
Les Morrow / W3LES ----- lesterf52@gmail.com
Steve Harper / W3NAM ----- sharper3152@gmail.com
John Barbaz / NT3P ----- nt3p@arrl.netSkip
Skip Paulsen / W1PV ----- flathhead@rcn.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 Bethlehem Township Community Center

TALK IN ON 146.700 (PL 151.4)

Club Station Telephone Number – 484 291-1527 Email Address – w3ok146700@gmail.com

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

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14 Gracedale Avenue
Nazareth, Pa. 18064-9211

THE NEWSLETTER STAFF

Editor – Don Holmes / KC3II ----- editor@dlarc.org
Web Master – Rich Hurd / WC3T ----- rich@wc3t.us
Circulation – Paul Morrison / N3YNT ----- n3ynt@aol.com
Photographer – Dave Blankenship / N3EYT ----- n3eyt@arrl.net