

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

MAY 2021



W3OK

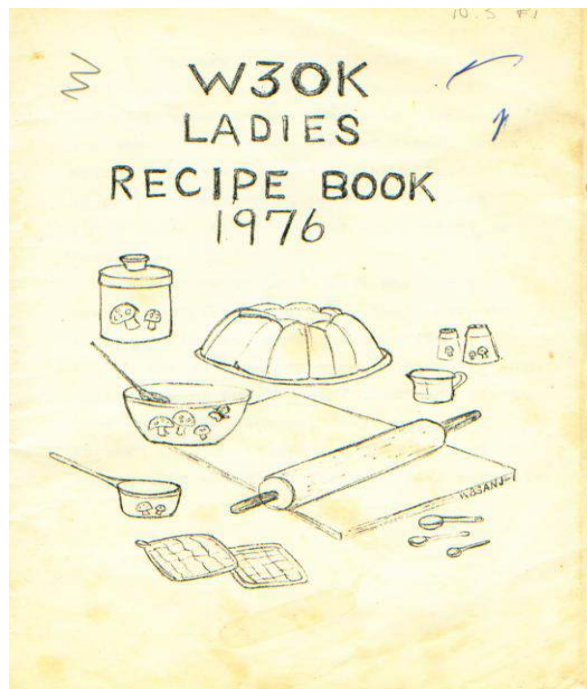
CORRAL

Club Meeting May 6th, 7:00PM

Via ZOOM

MAY MEETING PROGRAM

A piece of DLARC History



After the [January 1976 covered dish supper](#) in the new club house in the Greystone Building, Ed Panner K3ET assembled a booklet containing most of the recipes for the dishes brought to the event, and then mailed the booklet to all of the attendees.



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APRIL MEETING MINUTES

A General Meeting of the Delaware-Lehigh Amateur Radio Club was held on March 4, 2021 via a Zoom video-conference. President Jim Matlack / KC3MKP called the meeting to order at 7:10 p.m. with 42 members online.

President's Report: Jim said he is of the belief that George / N3SQD has reserved Bicentennial Park for Field Day. Steve / NS3L affirmed that by saying at the last Board meeting Stephanie / WX3K offered the same.

Announcements: None

Guests: John Ford—John is studying for his Tech license. He has been an avid SW listener and enjoys working on older radios.
Robert Eustice / KB3QLF

Secretary's Report: Larry / AB3TY, announced the Minutes for the February General Meeting. Dean / AB3BD motioned to accept. It was seconded by Skip / KD2BDA and so moved.

Treasurer's Report: Larry / KC3JTK reported on the Club's financial status for February 2021. AL / W3CE said there was error in the expenditure for the reimbursement to Barb / W3ATC for the misspelling of their last name. Dean / AB3BD motioned to accept with the correction so noted. It was seconded by Terry / KC3JHT and so moved.

Committee Reports:

Membership: Terry / KC3JHT announced there are 125 voting members, 3 associates, and 9 life members for 2021.

Club Station: Steve / NS3L said the beam and rotator control still need repair. Jim asked Steve if he had any objections to allowing members into the Milkhouse on a limited basis. Steve said he has no issues once the restrictions are lessened, keeping with the fact that the Milkhouse has very limited quarters.

Tech Committee: AL / W3CE said there was nothing to report other than he and George / N3SQD would be going to the Milkhouse to check on the rotator when there is good" weather.

Website: Larry / AB3TY reported no issues. Larry added Dave / N3EYT has added to the Club's pictures area.

Repeater: No issues reported.

New Business: Steve / NS3L said that at Field Day the Club will conduct VE testing by appointment.

Adjournment: There being no further business, the meeting was adjourned at 7:25 p.m. Dean / AB3BD made the motion. It was seconded by Steve / NS3L and so moved.

Program: Robert K4WZV from the TGIF Network

MAY CONTESTING AT THE OK CORRAL

- May 1 & 2 – 10 – 10 International Spring Contest - CW
 - Aracaria World Wide VHF Contest
- May 8 & 9 – CQ-M International DX Contest Contest
 - SARL VHF/UHF Digital Contest
- May 15 & 16 – His Majesty King of Spain Contest - CW
 - NZART Sangster Shield Contest
- May 22 & 23 – EU PSK DX Contest
 - Baltic Contest
- May 29 & 30 – CQ WW WPX Contest -CW

MAY QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5 DLARC Net (K3PDL)	6 DLARC MEETING 7:30 PM	7	8
9	10	11	12 DLARC Net (KC3MKP)	13	14	15
16	17	18	19 DLARC Net (W3CE)	20	21	22
23	24 DLARC BOARD MEETING	25	26 DLARC Net (KC3II)	27	28	29
30	31 Memorial Day					

WANTED – CLUB STATION MANAGER

The position of Club Station Manager. Is open, Steve / NS3L is stepping down due to other responsibility, so this position is open. Stephanie / WX3K says she will assist the new station manager as needed. Our thanks to Steve for the fine job he as done while handling the position.

W3OK CLUB STATION

Better known as the “Milkhouse” the W3OK Station is closed until further notice.. Our repeater 146,700 is always on ... So just call W3OK and check.

de Steve / NS3L

WEDNESDAY EVENING DINNER CLUB

The Wednesday Evening Dinner Club is on hold until further notice due to the COVID-19 Pandemic. Listen to the nets and watch the Forum for the latest information on our get together.

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.

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

APRIL BRAINTEASER ANSWER

“SWIMS”

The winner is **NO WINNER**

MAY BRAINTEASER

If I am holding a bee, what do I have in my eye?



Delaware-Lehigh Amateur Radio Club History

Chapter 5

The Fourth Decade, 1976-1985

As DLARC turned thirty, the club had reasons to celebrate. Club membership was growing, service activities were expanding, a repeater was installed on a county tower, and the club had a meeting room and club station in the Greystone Building in Upper Nazareth Township. A busy, interesting decade lay ahead. Unfortunately, we have only a few copies of meeting minutes and newsletters to rely on for details, so there are gaps in our history.

Officers

Diana Smith N3BHF became DLARC's second female officer (Secretary) in 1981 and first female President in 1984. Other Presidents during the decade each served only one year: James R. (Dick) Kels K3YND in 1977; Larry E. Panner WA2OP in 1978; Dennis D. Kromer WB3AJK in 1979; Ronald Raymond K3LPR in 1980; Zoltan (Zeke) Biro W3GMN in 1981; William Tanzola N3BIB in 1982; Harold Kranch WB3HBR in 1983; and Tony Kazmakites K3ZUF in 1985. We do not know who was President in 1976.

In contrast, while the other three officer positions changed hands frequently, DLARC had only 6 treasurers in the 48 years from 1973 through 2020: Robert Rothrock K3MAZ, Robert Mulrooney KB3RI, Roy Buss KA3MNY, Richard Dech KA3MOU, Pete Varounis NL7XM, and Michael Gower KB3LOD.

Notable Members

During the decade, life membership was awarded to John Heiss Jr. K3QDV. Heiss had served as treasurer, and when he relocated to New York in 1979, the club presented him with a desk pen set and life membership. Heiss died in 2015.

Also awarded life membership were 2 residents of the Good Shepherd Home in Allentown who earned their ham tickets through the efforts of Diana Smith N3BHF.

Another stalwart member was Robert Mulrooney KB3RI. He had a long tenure as club secretary and treasurer. Mulrooney died in 2013.

Membership

In 1982, the club doubled the cost of dues, from \$6 to \$12. Apparently, this hike did not deter anyone, since membership increased 270% during the decade, from 78 in 1975 to 213 in 1985.

Newsletter

In 1979, when the newsletter editor accidentally left his notes in Bermuda while on vacation, the membership declined to reimburse him for expenses necessary to recover them. The next year, American Can donated an A. B. Dick offset printing machine that could print the newsletter; the club was able to dispose of the old mimeograph machine. In 1982, to reduce costs, the newsletter was limited to 8 pages. The newsletter became a printed booklet in November 1983 when a new member who owned a printing business volunteered to print it. In 1985 the newsletter entered the computer era; club members who had a computer and modem could download the newsletter file from a Lehigh University bulletin board.

Club Station and Meeting Space

With the increase in membership, the club meeting room/station in the Greystone Building had become cramped. In 1981, the club met at the CD Center in Easton while the room was revamped to accommodate 50 people. When the club returned to Greystone, a no smoking policy went into effect, although coffee was available.

In 1981, after the club bought a new antenna and cavities for the repeater, the club treasury contained \$866. In 1985, with the acquisition of more equipment for the club station, the club began to purchase ARRL insurance.

Programs, Events, Social Activities

To celebrate its new meeting/station room in the Greystone Building, DLARC held a festive pot luck in January 1976. The event was well attended and Ed Panner K3ET prepared a commemorative recipe booklet. This morphed into an annual Ladies Night; in the early years it continued as a pot luck, but by 1981, the dinner moved to Bethany UCC Church where the men of the club cooked a spaghetti dinner to give the ladies a true night off. In addition, the club also held annual banquets and summer picnics, providing opportunities for social interaction and fellowship. In 1985, the picnic moved to Hackett Park, beginning an 18 year run at this site.

DLARC continued to sponsor summer Hamfests with other local clubs, at locations such as the Allentown Police Academy and Frank's Egg Farm in Salisbury Township. These events were all deemed successful.

In 1984, the club offered members the opportunity to buy club jackets with their names and call.

In 1985, the membership agreed to become a sponsoring club for the PA QSO Party and to pay for an award during the contest.

To help bolster the club treasury, the club began holding yearly Basket of Cheer raffles. The profits would fund equipment and reduce the need for dues increases.

Christmas City Station

Even though the club made the move from Bethlehem to Nazareth, DLARC continued to operate the "Christmas City Station." In 1980, the club operated from the Marketplace in Bethlehem from December 15 to January 2. DLARC based the event at Fitz' AC3M facility in 1981, operating for a week and making 225 QSOs. In 1984, the club returned to Bethlehem, where with the cooperation of Musicfest, the club made 1100 contacts. The QSL card, designed by Clarence Snyder W3PYL, featured the Star of Bethlehem. During this period, the club used the W3OK call since WX3MAS could not be assigned due to FCC regulations.

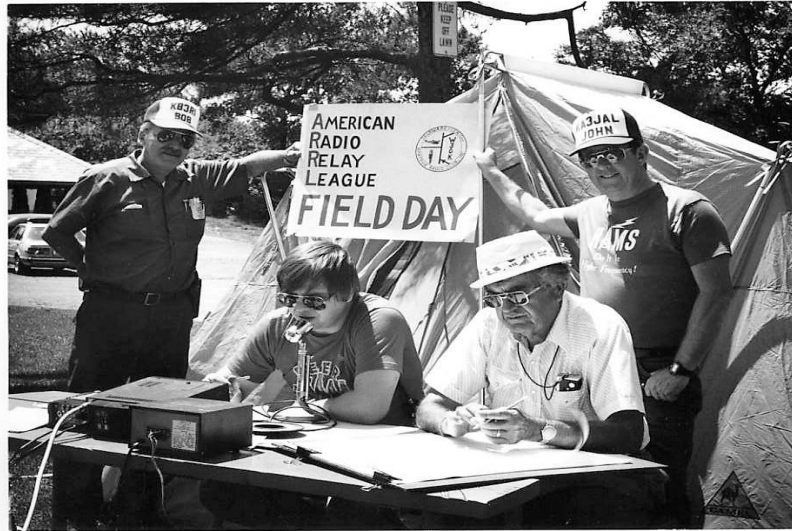
Emergency Services and Service Projects

In 1979, Clarence Snyder W3PYL once again assumed command of Northampton County emergency communications for DLARC. The next year he started a new net for Northampton County Amateur Radio Emergency Service (ARES). That same year the club agreed to pay all costs for fixing up the Civil Defense van and participated in a disaster drill at the Kopper Penny on Rt. 329 in Allen Township.

In December 1983, with the advent of the FCC Volunteer Examiner program, the club held its first VE session for seven candidates. This was just in time for the large novice class the next year, when 26 of the 33 class members passed their licensing test.

The number of community event communications requests continued to increase as word spread of the efficient work of club members. Bike rides by such groups as the Lehigh Wheelmen and Easton Jaycees and charity walks for hunger and diseases topped the list.

To help inform the public of the benefits of amateur radio, the club also set up ham radio demonstrations at the Palmer Park Mall and community festivals. In addition, the club allocated \$200 to buy material for the Bethlehem and Easton Area Public Libraries.



Field Day 1983 at Hackett Park, Easton. Holding the Field Day sign are Robert Mulrooney KB3RI and John Germain KA3JAL.



At the club picnic at Nazareth Boro Park in 1984, Raymond Huml Jr. WA3BME presents a plaque to Diana Smith N3BHF in recognition of her volunteer work helping residents of Good Shepherd Home in Allentown earn ham radio licenses.

you'll find amateur radio

he beginning. More RS were built and into space with comary satellites. and 9 are still op- used for exper- earth and space The satellites are nding lost aircraft emergency radio aft.

y broadcasts from heard, ham radio ost likely to hear ding to Ronald N. o astronomer at ity in California. will be the first,

because there are thousands of ham operators listening daily on the frequencies that are most likely to be used by an intelligent race out in the cosmos," Bracewell said. "The lonely scientist who is listening for signals from space is heavily outnumbered."

The Federal Communications Commission regulations say the Amateur Radio Service exists "to serve the public interest, convenience or necessity.

The FCC authorizes amateur radio service because of its public service aspects, for technological advancements, to provide the country with a reservoir of well trained

electronic technicians and operators, and for the enhancement of international goodwill.

Whenever, wherever there is a local or major disaster, hams are there. When a major disaster strikes, commercial communications either break down by the force of the disaster itself, or are overloaded by traffic caused by an anxious, panic-stricken public.

Here's where the radio amateur performs his public service — providing backup communications and relaying health and welfare messages through such agencies as the Red Cross directly to affected families of victims.

Hams have been the saving link in getting help for persons injured in car or aircraft crashes, finding victims of downed aircraft, and getting help to troubled sea vessels during storms.

The American Radio Relay League, based in Newington, Conn., is the leading national organization that coordinates amateur radio services among the 400,000 amateurs in the United States and Canada, with such related organizations as the Amateur Radio Emergency Service and the National Traffic System, a systemized means of relaying radio messages across the country.

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ther they are mem- or not, are always rt emergencies, e traffic accidents ers.

ham operators ents from the scene o be there before nces are called.

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one-patch system in isolated areas one is not readily anto said. "This it during the sum- ve so many tourists never know when help. We're always ople don't have to ere.

an electrician got radio while in high friend who was a Mount Pocono Air- watch him work e. That sort of fas- said.

pursue it as a per- l he left the Army th money from the home study course nications, went to n Philadelphia and amateur radio oper- ve never let it lan-



Clarence Snyder during a session on his amateur radio set.

Express photograph/FRED WALTER

Relaxation or emergency — Easton ham operator's there

EASTON — When Clarence Snyder gets home from work, his idea of getting away from it all is to call a few buddies around the country and catch up on family gossip.

But the 62-year-old Easton resident doesn't bother with the telephone. He just tunes his handy amateur radio set and starts talking — ragchewing is what the hams call it — to radio friends in Connecticut, New Jersey, Ohio and other points.

"Sometimes we have 15 to 20 guys a night talking to each other," Snyder said. "We all know each other and our families. Because of ham radio, we've become personal

communications network.

Snyder started amateur radio work during World War II, when he helped as a volunteer operator from 1943-46 for the War Emergency Radio Service set up in the basement of Northampton County's Civil Defense headquarters. A ham license wasn't required for the WERS.

"As a kid I was always interested in electronics and radios," Snyder said. A neighbor who was a ham operator introduced him to radio.

In 1946, the city of Bethlehem got a new radio system, so the old one was given to the county. Snyder said he and a friend, Ed Hart, in-

RACES members conduct training nets on the air every Thursday night and Sunday morning to keep up their skills.

Snyder's right-hand man is Lester Lohrman, another Easton resident, who combines his full-time job as a pharmacist with his ham radio hobby. Lohrman is assistant radio officer for the county and serves as editor of the monthly newsletter of the Delaware-Lehigh Amateur Radio Club.

Snyder said that in a major disaster, normal police, fire and ambulance communications are too busy handling direct emergency radio traffic between the emergency

Easton Express, August 29, 1982, page B-12 was devoted to amateur radio. reporter Fred Walter interviewed several local amateurs and wrote articles about topics such as the contributions of ham radio and how to get a license. In one article, Clarence Snyder W3PYF described emergency communications and nets.

What Hath God Wrought!

Samuel Morse's vision in 1832 of a world united by the instant electrical transfer of information had been achieved by the time of his death forty years later but only after surmounting numerous obstacles. Just after his return from Italy, Morse set up a workshop in his studio at New York University where he was a professor of art struggling to balance his painting career, his professorial duties, and his electrical experiments. To make the telegraph work, Morse had to find a reliable source of electric current and then build two instruments: one to send an electric pulse, and the other to receive it.



Telegraph demonstration 1844

Other inventors had already solved the problem of creating electric currents. The experiments of Luigi Galvani and Alessandro Volta thirty years earlier had resulted in practical batteries that generated a steady flow of electricity. Morse experimented with their batteries while studying at Yale just a few years later and in the 1830's used an improved version to supply current for his tests.

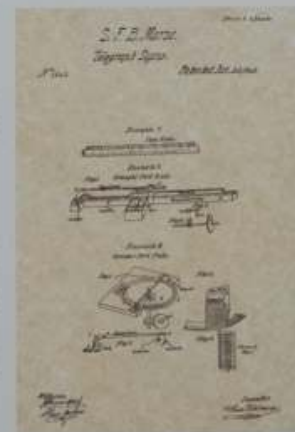


Telegraph receiver used in the 1844 telegraph demonstration

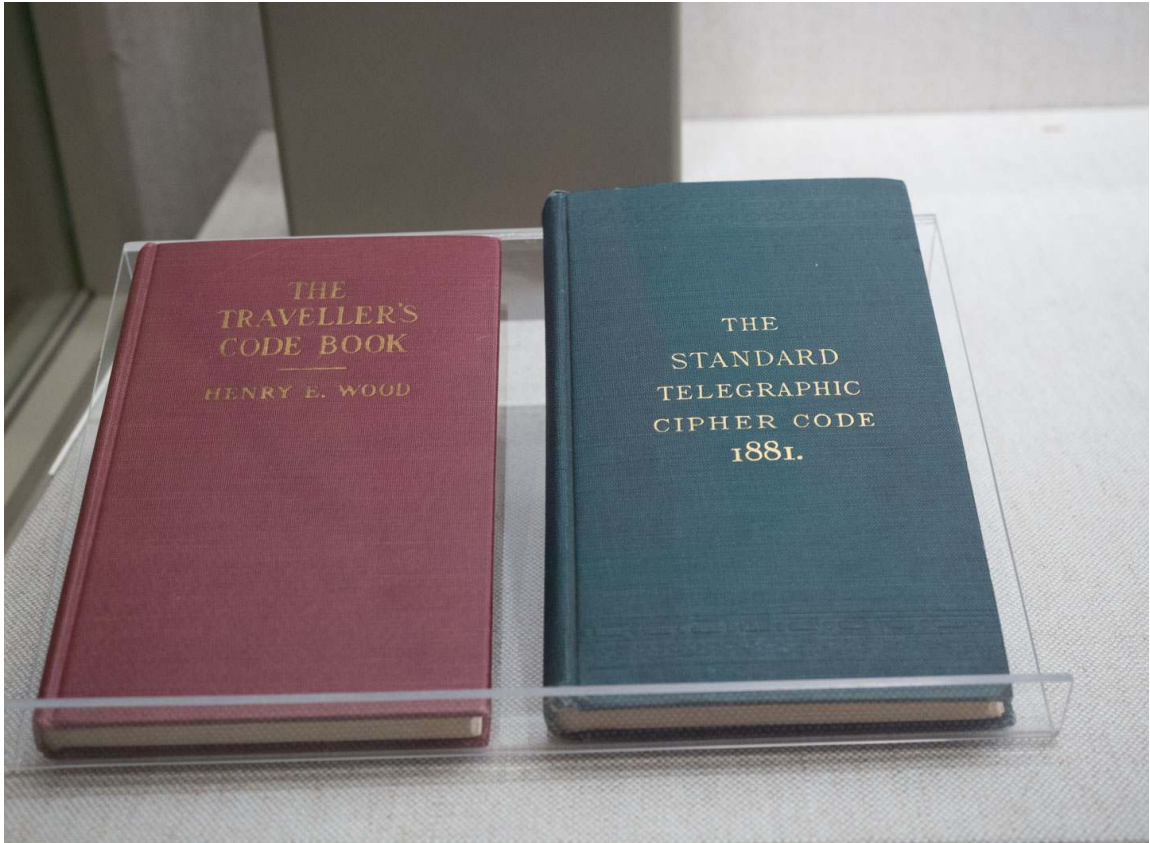
To send messages, Morse took a slightly different approach than other inventors working on telegraphs at about the same time. He envisioned a code of electric pulses representing words contained in a dictionary of terms. He proposed using saw-tooth type that would raise a lever and close an electric circuit as it passed over the peaks and/or open the circuit as the lever dropped into a valley. The only remaining problem was to make the electric current mark its code on a sheet of paper.

While living in New York in the 1820's Morse attended lectures where he learned that a piece of iron wrapped in insulated wire could be magnetized by passing an electric current through it. Called an electromagnet by William Sturgeon, the inventor, it was the perfect solution to Morse's last problem. The pulses of electricity sent from his receiver would turn the electromagnet on and off. By attaching a pencil to the magnet and moving a paper ribbon under the pencil, Morse made a permanent record of the code sent from any point on the globe.

After five years of experiments, Morse patented his ideas in 1840 and began lobbying for a government subsidy to build a demonstration line between Washington, DC, and Baltimore, Maryland. This line opened in 1844 using a faster type of sender invented by Morse and his partner, Alfred Vail. The lever connected to an electric circuit was called a "key," and it was used to send the first official telegraph message, "What hath God wrought!"



Patent application 1840



F.Y.I.

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 2020– 2021 OFFICERS

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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)

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

THE W3OK TRUSTEE --- Barry Vogt / N3NVA

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