

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.

JUNE 2011



W3OK

CORRAL

**Club Meeting June 2nd 7:30 PM
At the Nancy Run Fire Company**



Barry / KU3X Presenting Portable QRP Operating

MEETING PROGRAM

AI / W3CE

APRS (Automatic Packet Reporting System), Live Demo

MEETING THEME

Cowboy Boots Night

FROM THE PRESIDENT'S SHACK

Back on the road again.



It has been less than a month since the ARRL Headquarters trip and the DLARC folks are on the road again. This time it was to the Battleship New Jersey. Al W3CE arranged the trip through the club that operates a station in the radio room of the battleship.

As with the trip to ARRL, we began on the Monday morning with a quick breakfast at the diner. After breakfast, the six of us piled in to Al's van for the trip to Camden. The trip down was uneventful, a nice surprise given that it was during the morning rush hour.

Arriving in Camden, we found easy parking in the parking garage adjacent to the Battleship. There is a short shuttle bus ride to the pier (which is good because you can do enough walking on the ship). We met with our guide and escort at 10am. We decided to split up the group into two to make operating in the radio room a little less crowded (if you've been to the milk-house on a Wednesday night you'd understand why). Al and I headed to the radio room and the others (Dave NB3R, Barry KU3X, Gary N2AUO, & Mike KB3LOD) headed on a guided tour of the ship.

The radio room is remarkably restored to its form of the early nineties. The actual amateur radio operating positions are a mix of military type and commercial ham gear. There are no beam antennas on the ship. There is a discone antenna near the bow and another multi-band antenna mid-ship, plus some wire antennas. As you can imagine, getting a good ground is not a problem.

Al settled in on 40M and I took 20M. It took a while longer than at ARRL, but I eventually had a pile-up of stations trying to work the New Jersey. It was nice to work some hams that remembered her from their days in the service. One fellow, in particular, remembered her 16-inch shells screeching overhead during his time in Vietnam.

The group that was touring while Al and I were operating met us around noon in the radio room. All of us then headed to the mess for lunch. After lunch, the others headed to the radio room for some time operating and Al and I headed off on a guided tour of the ship.

We finished up around 4:30 and headed back to the Lehigh Valley. The return trip was a bit slower than the trip down (once again in rush hour). We ended the day with a group dinner back here in the valley.

Everyone agreed that it was a great trip. We are now trying to come up with some ideas for addition trips. If you have any ideas, please be sure to let us know.

Speaking of events, Field day is rapidly approaching. Be sure to join us at Louise Moore Park on the weekend of June 25-26. We will be setting up at 9AM on Saturday and will begin operating about 2PM. We will begin tear-down at 2PM on Sunday.

I hope to see you soon.

73 de N3SQD / George

JUNE 2011 QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 DLARC RACES/ARES Net (KB3CTX)	2 DLARC MEETING	3 No V. E. SESSION	4
5	6	7	8 DLARC RACES/ARES Net (WO3P)	9	10	11
12	13	14	15 DLARC RACES/ARES Net (W3CE)	16	17 NewsLetter Articles Deadline	18
19	20	21	22 DLARC RACES/ARES Net (KC3II)	23	24	25 FIELD DAY
26 FIELD DAY	27	28	29 DLARC RACES/ARES Net (N3SQD)	30		

VE TEST SESSION

There will not be a test session this month. The next session will be July 8th at 7:00 PM at the Northampton County 911 Center. Pretest registration is required. Contact **George / N3SQD** at george@bioserv.com or **Al / W3CE** at w3ce@arrl.net.



MINUTES FROM THE MAY 5th MEETING

The general membership meeting of the Delaware Lehigh Amateur Radio Club inc. was held at the Nancy Run Fire company in Bethlehem Township on May 5th.

Call to Order: The meeting convened at 1930 hours, President **George / N3SQD** presiding.

Pledge of Allegiance: Led by **George / N3SQD**

Members & Guests in Attendance: 48 with 2 guests

REPORTS:

Approval of the minutes: 1st **Gary / N2AUO**, 2nd **Terry / KB3VFB** – **Motion Carried**

Approval of the Treasurer's Report: 1st **Dave / NB3R**, 2nd **Ed / AA3OU** . -- **Motion Carried.**

Repeater/ Web-site: **Barry / N3NVA** is aware of noise issues. Need volunteers as Trustees for the club, and as secondary volunteers

VE Session: May 6th at the Northampton County 911 Center

Classes: Classes for General and Technician finished Tuesday, May 3rd. Tests for upgrading license tomorrow evening at 911 Center at 7:00 pm

Club Station: **Dave / NB3R** - Generator removed from back room of milkhouse, concrete base needs to be chopped out.

Membership: **Dave / NB3R** – 176 members at present time. No new members to be voted on. Updated membership list to be sent to **Brad / W3JXQ** for the webpage.

Upcoming Events: Palmerton Hospital 5K May 7th - contact **Charley / N3WXO** or **Brian / W3SG**

Hanover 5K – **Charley / N3WXO** - Saturday June 11th 9 am- Hanover Township Community Center. Contact **Charley / N3WXO**, if you would like to help out

Field Day: June 25-26 - Louise Moore Park looking for operators. Over night camping to be checked on.- Need portable masts due to lack of good trees.- There will be a practice putting up antenna tower & beam, Date to be announced.

OLD BUSINESS: 2 meter sprint recap – **Ray / W3TDF** gave out awards: **George / N3SQD** 3rd place, **Ben / KB3CTX** 2nd place, and **Bob / KE3AW** 1st place

WIAW Trip money will be refunded for bus, went in three private vehicles – A good time was had by all Battleship New Jersey trip was also a success.

NEW BUSINESS: **Kenny / N3IYX**- new radio gear discussion to members at large- replacement of sold Kenwood TS-940 - price of a Yaesu or Kenwood - **Pete / NL7XM** made a motion to purchase new radio, 2nd **Terry / KB3VFB** -

Motion Carried Which radio to be decided, - **AI / W3CE** made a motion to buy radio at Dayton Hamfest, May 19th- 2nd **Gary / N2AUO**. **Motion carried**

Program: **Barry / KU3X** – Operating portable QRP

June Theme: Cowboy Boots Night

Adjournment: Meeting adjourned at 840 by **George / N3SQD**. 1st **Ben KB3CTX**, 2nd **Ray / W3TDF**

Respectfully submitted by

Doreen / KB3PDL, Secretary

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**



MAY BRAINTEASER ANSWER

A Wheelbarrow

The winner is

Paul / KB3LIC



JUNE BRAINTEASER

The one who makes it, sells it.

The one who buys it, doesn't use it.

The one who uses it, never knows he's using it.

What is it?

FIELD DAY 2011

The 2011 Field Day will be held on the week end of June 25th and 26th. At the Louise Moore Park in Bethlehem Township. The DLARC will be located in Pavilion #5 which is located on the east side of Country Club Road. The same location as last years picnic.

Tom / KB3IUE is chairman of this event and will be looking for volunteers to help with all phases of the event. A sheet will be at both the May and June meeting for signing up. Help is needed with setting up, tearing down and also putting together the food and drink. It is not too early to make your plans to be there. Come and operate, log or just to see old friends and talk radio or what ever.

MAY MEETING PROGRAM

Barry / KU3X presented another great program. Operating QRP, and you know, you had a good understanding of QRP operating by the time Barry was finished. Starting with the various antennas, listing the different types and the pro and cons of each type. Then moving to coax and listing the different types and again the pros and cons of them. He covered various tuners and showed the ones that he liked to use. Then on to batteries and the various available, from the light weight to the heavy duty which required a hand truck to move them to the opening site. The various rigs that were available and how he felt the current draw was a good factor to consider when choosing a rig. The higher the current draw the shorter battery life you will have. Barry then finished with suggestions and hints to make your QRP event fun. Barry likes to go to a local park and set up his station from scratch, with dipoles and a vertical operating from a picnic table.

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.
FRANK DOLLAK / No Call

2011 DLARC SPRINT AWARD

April 9th, was this years DLARC Sprint date. The turn out was lower than previous sprints, but the contestants seemed to have a good time. There were thirteen entrants with **Bob / KE3AW** the winner.

The scores were:



<u>Call</u>	<u>QSO's</u>	<u>Multiplier</u>	<u>Score</u>
Ray / W3TDF	54	9	486 (Check Log)
Bob / KE3AW	47	8	376
Ben / KB3CTX	40	7	280
George / N3SQD	38	6	228
Bill / NC3P	42	5	210
Al / W3CE	32	5	160
Bill / W0RSJ	37	4	148
Gary / N2AUO	29	4	116
Dave / N3EYT	25	4	100
Brad / W3JXQ	18	1	18
Dave / NB3R	12	1	12
Bill / K3ANS		*** NO LOG ***	
John / WX3C		*** NO LOG ***	

MAY THEME WINNER

The May meeting theme was the "The Loudest Tie" while competition was hot and heavy, **Dave / N3EYT** was the big winner.



The Competition



The Winner

2011 MS Walk

The 2011 MS Walk held at Coca-Cola Park was a great success. More than 2,200 people attended the event, I would like to thank **Ken / N3IYX** and **Tracy / KB3TAE** who worked as net control, **Howard / WO3P** station 1, **Ben / KB3CTX** station 2, **Al / W3CE** station 3, **George / N3SQD** along with **Wendy Wieland** station 4, **Wendell / KB3UNB** station 5, **Bob / KE3AW** station 7, **John / NT3P** station 8, **Pei / AB3FY** station 9, also **Carolyn / KB3UMY**, and **Carissa Miller** attended the event. Again, Thank You for helping and making this another safe and successful event.

Thank You,

Howard / WO3P

WANTED: OLD CALLBOOKS

Pete / NL7XM is paying cash for OLD Callbooks. Contact him directly at: NL7XM@arrl.net

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.

ATLANTIC DIVISION NEWS

April 26, 2011

Bulletin 2011-05

*** Upcoming Webinars ***

Antenna Ordinances, You and the ARRL

On Wednesday, April 27 at 9 PM (EDT), the ARRL Atlantic and the West Gulf Divisions will present Antenna Ordinances, You and the ARRL.

Speakers for this presentation will be Director David Woolweaver, K5RAV; ARRL General Counsel Chris Imlay, W3KD, and noted antenna zoning lawyer Fred Hopengarten, K1VR.

The scope of the webinar will be an overview of common local antenna regulations that can impact Amateur Radio tower installations, as well as how the local amateurs should approach dealing with local officials. Following the presentations by Imlay and Hopengarten, participants will have the opportunity to ask general questions related to the topic.

Please note this is only a general information forum. While useful information will be shared, the presenters will not be answering legal questions directly geared towards resolving any specific antenna zoning situation. They will not have the full facts of the situation and may not be licensed to practice in your state. If you are involved in a specific antenna zoning situation, you should contact the ARRL Regulatory Information Office via e-mail with a request for assistance. Regulatory Information Manager Dan Henderson, N1ND, will be happy to provide you with information and contacts for your specific situation.

To join in this presentation simply register at: <https://www1.gotomeeting.com/register/967072785>

You will then get your own link to join in at the appropriate time.

We are working on two more webinars covering D-Star topics. More detail will be released later, but the titles, dates and times for these presentations are:

Basic D-Star

Wednesday, May 11th from 9:00pm to 10:30pm To sign up early, you can register by going to the URL below: <https://www1.gotomeeting.com/register/327277537>

D-Star and EmComm

Wednesday, June 8th from 9:00pm to 10:30pm To sign up early, you can register by going to the URL below: <https://www1.gotomeeting.com/register/746329904>

73,

Bill Edgar / N3LLR, Atlantic Division Director

Tom Abernethy / W3TOM, Atlantic Division Vice Director

JUNE CONTESTING AT THE OK CORRAL

June 4th & 5th – VK Shires Contest

June 11th & 12th – ARRL VHF QSO Party

June 18th & 19th – All Asian DX Contest - CW

June 25th & 26th – Field Day



FCC SEEKS TO RAISE THE FEE FOR VANITY CALL SIGNS

The FCC released a *Notice of Proposed Rulemaking (NPRM)* on May 3, seeking to raise the fee for Amateur Radio vanity call signs. Currently, a vanity call sign costs \$13.30 and is good for 10 years; the new fee, if the FCC plan goes through, will go up to \$14.20 for 10 years, an increase of 90 cents. 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 regulatory fee is payable not only when applying for a new vanity call sign, but also upon renewing a vanity call sign for a new term. Instructions on [how to comment](#) on this *NPRM* are available on the FCC Web site.

The vanity call sign fee has fluctuated over the 14 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*). In 2007, the Commission lowered the fee from \$20.80 to \$11.70. The FCC said it anticipates some 14,600 Amateur Radio vanity call sign "payment units" or applications during the next fiscal year, collecting \$207,320 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 for a new term. The first vanity call sign licenses issued under the current Amateur Radio vanity call sign program that began in 1996 came up for renewal five years ago.

Those holding vanity call signs issued prior to 1996 are exempt from having to pay the vanity call sign regulatory fee at renewal, however. That's because Congress did not authorize the FCC to collect regulatory fees until 1993. 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 [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 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 ARRL VEC.

The ARRL VEC will handle vanity license renewals for ARRL members for a small fee (license renewals for members with non-vanity call signs are free). 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 ARRL Amateur Radio License Renewal web page. The [FCC's forms page](#) also offers the required forms.

TELL YOUR HAM RADIO STORIES

on HamRadioStoryProject.Com

By Dan Romanchik / KB6NU

For a long time, I've had the idea to set up a website to capture ham radio stories. Well, I've finally done it. The Ham Radio Story Project (<http://www.hamradiostoryproject.com>) is now online!

This website was inspired by the Story Corps (<http://storycorps.org/>), which was itself inspired by NPR's National Story Project (<http://www.npr.org/programs/watc/features/1999/991002.storyproject.html>). The tagline for the site is "capturing the human spirit of amateur radio," and my motivation for setting up the site is to capture personal stories of how amateur radio has touched lives, either the lives of amateur radio operators themselves, or of the people that we serve.

The site has only been online a month, and I already have several good stories. I reposted my story about checking the QSLs of a county hunter, and there are also stories about an international friendship that survived WW II and a story about how an Elmer touched the life of his student. These are exactly the type of stories I want to collect.

If you have a great story about ham radio, I want to hear about it and to publish it on HamRadioStoryProject.Com. If you want to tell the story yourself, let me know, and I'll set up an account for you on the site. If you would like some help, let me know, and I'll contact you and either write the story myself, or find someone else to help you.

I don't want to lose another great story because there isn't a place to tell it. HamRadioStoryProject.Com is the place to tell it.

GOOGLE DIRECTORY ASSISTANCE

Just leave it up to Google to come up with something like this!!!

Here's a number worth putting in your cell phone, or your home phone speed dial: 1-800-goog411 or 1-800-466-4411. This is an awesome service from Google, and it's free -- great when you are on the road. Don't waste your money on information calls and don't waste your time manually dialing the number. I am driving along in my car and I need to call the golf course and I don't know the number. I hit the speed dial for information that I have programmed (1-800-goog411). The voice at the other end says, "Say the name of the business and the City & State." I say, "Firewheel Golf Course, Garland, Texas." He says, "Connecting," and Firewheel answers the phone. How great is that? This is nationwide and it is absolutely free! Works on cell and landline phones.

Click on the link below and watch the short clip for a quick demonstration..

<http://www.google.com/goog411/>

YOU THINK ENGLISH IS EASY???

- 1) The bandage was wound around the wound.
- 2) The farm was used to produce produce.
- 3) The dump was so full that it had to refuse more refuse.
- 4) We must polish the Polish furniture.
- 5) He could lead if he would get the lead out.
- 6) The soldier decided to desert his dessert in the desert.
- 7) Since there is no time like the present, he thought it was time to present the present.
- 8) A bass was painted on the head of the bass drum.
- 9) When shot at, the dove dove into the bushes.
- 10) I did not object to the object.
- 11) The insurance was invalid for the invalid.
- 12) There was a row among the oarsmen about how to row.
- 13) They were too close to the door to close it.
- 14) The buck does funny things when the does are present.
- 15) A seamstress and a sewer fell down into a sewer line.
- 16) To help with planting, the farmer taught his sow to sow.
- 17) The wind was too strong to wind the sail.
- 18) Upon seeing the tear in the painting I shed a tear.
- 19) I had to subject the subject to a series of tests.
- 20) How can I intimate this to my most intimate friend?

Let's face it - English is a crazy language! There is no egg in eggplant, nor ham in hamburger; neither apple nor pine in pineapple. English muffins weren't invented in England or French Fries in France ... Sweetmeats are candies while sweetbreads, which aren't sweet, are meat. We take English for granted. But if we explore its paradoxes, we find that quicksand can work slowly, boxing rings are square and a guinea pig is neither from Guinea nor is it a pig. And why is it that writers write but fingers don't fing, grocers don't groce and hammers don't ham? If the plural of tooth is teeth, why isn't the plural of booth, beeth? One goose, 2 geese. So one moose, 2 meese? One index, 2 indices? Doesn't it seem crazy that you can make amends but not one amend? If you have a bunch of odds and ends and get rid of all but one of them, what do you call it?

If teachers taught, why didn't preachers praught? If a vegetarian eats vegetables, what does a humanitarian eat? Sometimes I think all the English speakers should be committed to an asylum for the verbally insane. In what language do people recite at a play and play at a recital? Ship by truck and send cargo by ship? Have noses that run and feet that smell?

How can a slim chance and a fat chance be the same, while a wise man and a wise guy are opposites? You have to marvel at the unique lunacy of a language in which your house can burn up as it burns down, in which you fill in a form by filling it out and in which, an alarm goes off by going on.

English was invented by people, not computers and it reflects the creativity of the human race, which, of course, is not a race at all. That is why when the stars are out they are visible but when the lights are out they are invisible.

PS. - Why doesn't 'Buick' rhyme with 'quick' ?

You lovers of the English language might enjoy this...

There is a two-letter word that perhaps has more meanings than any other two-letter word, and that is 'UP'.

It's easy to understand UP, meaning toward the sky or at the top of the list, but when we awaken in the morning, why do we wake UP ? At a meeting, why does a topic come UP ? Why do we speak UP and why are the officers UP for election and why is it UP to the secretary to write UP a report ? We call UP our friends. And we use it to brighten UP a room, polish UP the silver; we warm UP the leftovers and clean UP the kitchen. We lock UP the house and some guys fix UP the old car. At other times the little word has real special meaning. People stir UP trouble, line UP for tickets, work UP an appetite, and think UP excuses. To be dressed is one thing, but to be dressed UP is special. And this UP is confusing: A drain must be opened UP because it is stopped UP. We open UP a store in the morning but we close it UP at night. We seem to be pretty mixed UP about UP! To be knowledgeable about the proper uses of UP, look the word UP in the dictionary. In a desk-sized dictionary, it takes UP almost 1/4th of the page and can add UP to about thirty definitions. If you are UP to it, you might try building UP a list of the many ways UP is used. It will take UP a lot of your time but if you don't give UP, you may wind UP with a hundred or more. When it threatens to rain, we say it is clouding UP. When the sun comes out we say it is clearing UP! When it rains, it wets the earth and often messes things UP. When it doesn't rain for awhile, things dry UP.

One could go on and on, but I'll wrap it UP, for now my time is UP, so.....it is time to shut UP!

2)

RACES EMERGENCY REQUIREMENTS

As of September 2006, NIMS IS-700 and ICS-100 course certifications are required in order to receive the county issued photo IDs. The photo IDs are required by federal law for participation in, on site RACES emergency operations. These courses can be taken on line by going to www.fema.gov and following the directions. These requirements are not needed to participate in the weekly Wednesday nets. The only requirement for these nets is a valid amateur radio license and an interest in emergency communications.

F.Y.I.

The winner of the May Prize was **Pete / NL7XM**
The July Program will be **Dave / NB3R** – CW Skimmer (Live Demo)

The D.L.A.R.C. meets the "FIRST" Thursday of each month. Membership, friends and interested persons meet at the Nancy Run Fire Company Social Hall (3564 Easton Avenue, Bethlehem, Pa. 18020) at 7:30 PM. Committee reports and announcements of all present and future activities will be presented at that time. Followed by that month's program.

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

D-Star Mid-Atlantic Regional net meets the second and fourth Tuesdays of each month on the 147.165 port with a number of other repeaters in Eastern Pennsylvania, New Jersey and New York City area .

The OK Corral is an organization publication for the purpose of informing members of the D.L.A.R.C. of educational and training opportunities, club events, relevant news articles and a monthly calendar of daily activities, meetings and dates. Every member of the D.L.A.R.C. Is welcome to contribute articles of interest to this newsletter. Opinions, items of interest, and even suggestions towards the improvement of newsletter and/or the DLARC, itself would also be accepted, as a sort of "Letters to the Editor" section.

The Milkhouse telephone number is 484-895-7038.

**EXECUTIVE COMMITTEE 2009 – 2010
OFFICERS**

President – George E. Wieland III / N3SQD ----- president@dlarc.org
Vice President – Ben Ramig / KB3CTX ----- vicepresident@dlarc.org
Secretary – Doreen Gramling / KB3PDL ----- secretary@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 Nancy Run Fire Company
TALK IN ON 146.700 (PL 151.4)

THE W3OK TRUSTEE --- DON REAMER / KA3JWE

**The W3OK Corral is published monthly and is the Official Publication of the
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14 Gracedale Avenue
Nazareth, Pa. 18064-9211**

ARES, RACES AND DLARC NET

All Radio Amateurs are welcome to participate in the ARES, RACES and DLARC net. This net meets Wednesday at 1900 hours local time, on the W3OK Repeater 51.76, 146.70 and 444.90 (pl 151.4). With an alternate frequency of 147.370 (167.9) W3OI Repeater.

THE NEWSLETTER STAFF

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