

DELAWARE LEHIGH AMATEUR RADIO CLUB Inc.



W3OK

CORRAL

AUGUST 2009

**Club Meeting August 6th At The
Nancy Run Fire Company**

Detailed Directions are in this issue!

UP COMING EVENTS

No Major Events

MEETING PROGRAM

Traffic & Weather Data Retrieval

JC Kelleher, WFMZ-TV 69 News Traffic Center IT Manager, will explain how tons of streaming data are collected and sorted to bring you the latest information you need in order to know how to dress and which roads to avoid. If you are curious about how remote meteorological devices and strategically placed traffic cameras scattered around the Lehigh Valley deliver raw live reports and images to the Newsroom and then on to your television, you will find this Program to be very interesting and satisfying!



FROM THE PRESIDENT'S SHACK

This past week at our regular meeting we had an outstanding program! Riley Hollingsworth, former Special Counsel for the Spectrum

Enforcement Division of the FCC's Enforcement Bureau, gave a wonderful presentation of his time, both as a ham operator, and as enforcement officer. He related many interesting stories and anecdotes, and kept the audience's attention for over an hour. A great question and answer period followed with a lot of great questions being asked. Those of you who failed to attend missed one of the best programs we have had in recent history.

I have been busy training for the MS150 bike ride on July 18th and 19th. I hope the sag wagons are fully staffed with amateur operators so that they can be dispatched in a timely manner if and when I get lost again. With the fifteen miles I rode today, I managed to do 100 miles for the past week. Now all I have to do is do that 100 miles in two days.

de AI / W3CE



MINUTES FROM THE JULY 9th MEETING

July 9th's meeting was held at Lehigh University. This was to accommodate our guest speaker Riley Hollingsworth.

The minutes, so to speak:

AI W3CE, conducted a brief meeting which included a reading of the minutes and the treasurer's report. Both were passed into the record.

Special recognition was given to Pete NL7XM for his hard work in providing the membership with excellent programs in the years 2008 and 2009. He was given a certificate for his efforts. Meeting concluded in order for the special presentation by Riley Hollingsworth / K4ZDH.

Respectfully Submitted

Charlie / W3OPA Secretary

JULY MEETING PROGRAM

The evening's presentation was a visit from Riley Hollingsworth. .

Some personal remarks:



Riley spoke about his entrance into ham radio and his time at the FCC. His presentation was enjoyable, enlightening and encouraging. At the end he entertained a question and answer period which went nearly as long as his prepared words. Later, I asked him if he was happy with the Q&A and he said that he was. He seemed genuinely pleased with the interaction with the audience. I enjoy ham radio but came away from Riley with a newer pride in a hobby that both brings enjoyment as well as support of our community. Through his eyes, I am encouraged for the future of ham radio and feel that even through the changes the hobby grows through, it will never lose touch with its past.

What a wonderful evening.

73's

Charlie / W3OPA

To the Club officers, especially Pete Varounis, NL7XM: Thank you for the fine DLARC program Thursday night and all of your organizational work and program management. Mr. Hollingsworth was very enlightening, inspiring, and enthusiastic. I wish more hams attended. They missed out! He reminisced about his favorite Johnson Viking Valiant transmitter. I had one from 1958 to 1964, and loved it for DXing and contesting on CW and AM. It was very reliable with clean signals. Too bad it never supported SSB, so I reluctantly sold it to upgrade to a Side Band Engineers SB-33, which was a lemon I replaced the SB-33 in 1965 with a much more reliable Hallicrafters SR-160, which I still own.



73, Bill / K3ANS



JUNE 2009
D.L.A.R.C. EPENDURE REPORT

Expenditures:

Telephone	17.68
Upper Nazareth Fire Dept. (Rocket Demo Standby)	<u>25.00</u>

Total Expenditures: **(42.68)**

Respectfully Submitted,
Pete Varounis / NL7XM
Treasurer / D.L.A.R.C.

AUGUST 2008 QUICK CHECK CALENDAR

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2 10 Meter Net 28.430 1600 Local	3	4 D-Star Net 147.165 1900 Local	5 DLARC RACES/ARES Net (W3CE)	6 DLARC Meeting	7 NO VE SESSION	8
9 10 Meter Net 28.430 1600 Local	10	11 D-Star Net 147.165 1900 Local	12 DLARC RACES/ARES Net (KX3Q)	13	14	15
16 10 Meter Net 28.430 1600 Local	17 Newsletter Articles due	18 D-Star Net 147.165 1900 Local	19 DLARC RACES/ARES Net (KC3II)	20 Executive Committee Meeting	21 Newsletter goes on the Web Page	22
23 10 Meter Net 28.430 1600 Local	24	25 D-Star Net 147.165 1900 Local	26 DLARC RACES/ARES Net (N3SQD)	27	28	29
30 10 Meter Net 28.430 1600 Local	31					

AUGUST CONTESTING AT THE OK CORRAL



August 1st & 2nd ---North American QSO Party - CW
 August 1st & 2nd ---ARRL UHF Contest
 August 8th & 9th --- Worked All Europe – CW
 August 15th & 16th – North American QSO Party – Phone
 August 22nd & 23rd --- Hawaii QSO Party
 August 29th & 30th --- YO DX Contest



VE TEST SESSION

There will not be a test session this month. The next session will be September 4th, 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.

William N. Goodman, CPA

**Certified Public Accountant
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YOUR AD COULD BE HERE

Your business card here for a ridiculously small monthly fee. A space this big is available for a listing, like the ones above and to the left.

For more information contact Pete / NL7XM at nl7xm@arrl.net

FUTURE MEETING PROGRAMS

September 3rd **"Recruiting Kids for Amateur Radio."** World Radio Magazine columnist, Dayton Hamvention Youth Forum Leader, and New York City Public School Teacher, Carole Perry / WB2MGP was the first in the United States to teach an exclusive Ham Radio curriculum for 30 years as a way to introduce science, math and geography to her Middle School students. Recently elected a Board Fellow of RCA, Carole single-handedly licensed hundreds of kids by administering exams at the end of each term. Come and meet a legend in person. Carole's successful methods to attract "tweens" into our amazing vocation are time proven. Kids of all ages are absolutely encouraged to attend this exclusive DLARC engagement.

October 1st **"E-M-E / Moonbounce Communications."** Dr. Roger Rehr / W3SZ will describe his long, well documented and successful experience with this amazing mode. Wonder what it takes to bounce a signal off the "Big Cheesey", Mother of all satellites? How much power, and how big an array do you need? How do you aim that thing? Can you actually work DXCC off the moon? What frequencies can you use? Does the moon have to be full? What if it's cloudy? You mean, I can do this with a Technician Class License? ...You got questions? ...Boy, do we got answers! Come early for a seat or you'll be standing up for this one.

November 5th : **"Portable Ops From the Road."** What special considerations must one confront when Operating Portable while traveling across North America in a travel trailer with the XYL, 3 dogs, a Yaesu 897D and a Black Widow antenna system? Join us as we ride with W3SQ / Mel & Co., through MI, MN, ND, SD, WY and the Grand Canyon; Alberta and many southern Civil War Battlefields. Lighthearted discussion, liberally sprinkled with lots of photographs will include setting up in campgrounds near lakes, deserts and mountains. Listen as oblivious campers trample the radials and bears trespass through the campsite! Just wait till you hear how kids try to take the antennas to use as fishing poles!

December 3rd: **"Annual Christmas Party!"** Throw caution to the wind and hide the bathroom scale until after St. Valentine's Day. There's no better DLARC Program than this one, where socializing with good friends while sharing great food and talk IS the presentation. Bring a dish or dessert, paper goods or soft drinks. Make handy a few copies of your recipe to share with your new admirers. (Keep a sharp lookout for the famous and anonymously prepared "Rum Balls!")

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 the Treasurer. This simple act can help your Club by reducing recurring expenses, and make you feel a lot better about our environment.

***** IMPORTANT NOTICE *****

Starting with the August 6th meeting the DLARC will be moving to a new general meeting location. It will be at the Nancy Run Fire Company, located on Easton Avenue in Bethlehem Township.

Coming from the east or west on Rte 22, go south on Rte 33 get off at the William Penn Highway exit. Right at light at the bottom of the ramp. Go through the next four lights, there will be a blinking yellow and that is Nancy Run Firehouse. Distance is 2 miles.

Coming from east or west on 78 go north on Rte 33 and get off at the William Penn Highway exit. Left at the light at the bottom of the ramp and follow the same direction as above.

Coming from Bethlehem, east on Easton Avenue, the blinking yellow after the Butztown light is Nancy Run Firehouse.

Coming from Easton go west on Butler / William Penn Highway / Easton Avenue (same street, name changes as you change municipalities) follow the same directions as above after passing under Rte 33.

A map can be down loaded from mapquest.com or googlemaps.com, by entering 3564 Easton Ave. Bethlehem, Pa. 18020

THOUGHT FOR AUGUST

Saying “**GESUNDHEIT**” doesn't really help the common cold, but it is every bit as effective as anything the medical profession has prescribed. --- Anonymous

EPA TECHNICAL COORDINATOR NAMED

It is with great pleasure that I am able to appoint WA3UVP as our Technical Coordinator. Joe has been a friend for a number of years and you can look for him to expand the Technical Specialist (TS) program here in the EPA Section.

73,

Eric D. Olena / WB3FPL
ARRL Section Manager
Eastern, Pennsylvania

FROM THE NEW NEW EPA TECHNICAL COORDINATOR

My name is Joe Dozpat, call sign WA3UVP, with my home QTH in Danville, Pa. I wanted to take this opportunity to introduce myself to each of you. As of 24 June 2009 I have accepted the position of Technical Coordinator for the ARRL Eastern Pa. Section.

I have been an active "ham" for the better part of 38 years, and have lived in the Danville area for the last 27 years, along with my wife Cindy of 41 years. I have two grown children, who are married and gone with families of their own. I am 62 years old, retired from my own company, Spectrum Technologies, Inc. which I founded and developed. The company is a Metrology Company, providing test instrument calibration and repair service for the Bio Medical, Commercial and Industrial instrument markets, with 10 offices through the United States. Before developing my company in 1986, I served as a field service engineer for Hewlett Packard medical products division, and prior to that I served as a clinical engineer for both the Allentown Hospital and the Allentown & Sacred Heart Hospital Center. I served with the U.S. Army (Defense Communications Operations Unit) 550th Signal, 151st and I am a Veit Nam Veteran. (1967, 1968, 1969). I am currently employed part time as the studio engineer at WPGM / WBGM, Christian radio station here in Danville Pa. which is part of the Montrose Broadcasting System.

Best 73's and may the Lord Bless.

Joe / WA3UVP

EPA Technical Coordinator

MONTHLY BRAIN TEASER

A special prize awaits the first Club Member to submit the correct answer to this month's Brainteaser to the Treasurer via E-mail. He 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

ANSWER TO THE JUNE / JULY BRAINTEASER

The Mystery Component is an "Avalanche Transistor"

Transistors designed specifically as avalanche transistors are not nearly as common as ordinary switching transistors--so this circuit uses a selected NPN switching transistor. Not all transistors will operate in the avalanche mode, but many will. Hundreds have been tested, and more than half will work.

How It Works

Figure 2 shows the circuit with the hidden component displayed. In operation, C1 charges through R1 until the collector-emitter avalanche voltage of Q1 is reached. Q1 then switches on, and C1 discharges through Q1 and the laser diode in a very brief pulse of 20 to 50 nanoseconds. The pulse delivers a current of up to 20 amps or so to the laser diode, which is not intended for continuous operation and is designed to be driven by a stream of high-current pulses. R1 is selected so that the laser's allowable duty cycle is not exceeded. R2 provides base bias to the transistor.

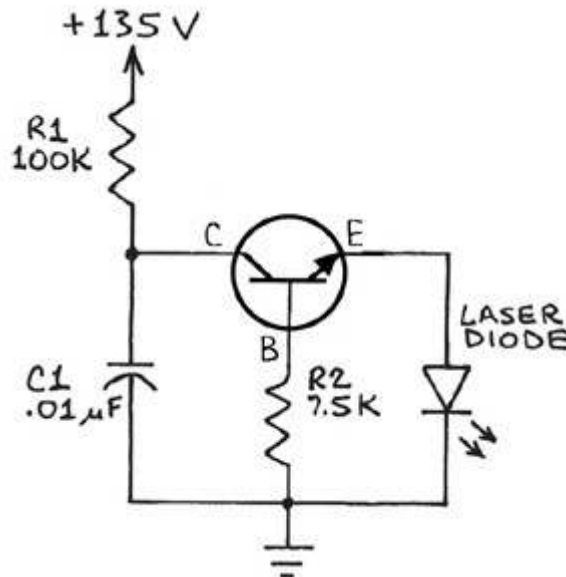


Figure 2. The mystery component in Figure 1 is an NPN switching transistor operated in the avalanche mode.

Background

Many near-infrared laser diode projects have been built using this basic avalanche transistor driver.

In fact, this circuit is used in a MITS laser diode project published in Popular Electronics several years before the company introduced the Altair 8800 microcomputer that resulted in Paul Allen and Bill Gates moving to Albuquerque, New Mexico, to develop software for the Altair and begin Microsoft.

The earliest use of an avalanche transistor to drive a laser diode was by RCA in the late 1960s. The basic circuit was first seen in an RCA publication back then.

Going Further

This circuit still has applications for driving pulsed, very high power laser diodes. For lower power laser diodes, a switched power FET is probably a better choice, especially since the power supply voltage can be significantly lower.

Credit:

Forrest M. Mims III

AUGUST BRAINTEASER

by Paul / KB3LIC

You have a pie, a good sharp sword, and the eye and control of a Master Samurai. Making only three straight cuts, how would you divide the pie into eight equal pieces?

PROGRAMS FOR 2010

In order to have the best possible programs for 2010, the opinions and interests of the membership is necessary. Any thoughts and / or ideas for a monthly meeting program, that you may have should be presented to the Executive Committee as soon as possible. Some programs need preparation time and have other requirements that require extra arrangements.

PROGRAM COMMITTEE

A program chairperson with a committee to handle the programs for 2010 would also be great help. The executive committee can't not handle programs and continue to move the club forward. This is what was done for 2009 and took time away from normal business. Pete / NL7XM handled the programs personally and that with his other financial duties took a lot of time. Come out and volunteer and keep this practice of out standing programs, a trade mark of the DLARC.

NOTICE FROM HRAC

The HRAC invites you to a special evening with Laura Smith, Esquire, FCC Special Counsel for Amateur Enforcement. Wednesday, September 16, 2009 7:00 P.M. At the

Holiday Inn and Convention Center
148 Sheraton Drive
New Cumberland, PA

(Exit 40A, Route 83, Limekiln Road) (This exit is located just north the junction of the PA Turnpike -- Harrisburg West exit (#242) and Route 83)

This meeting is open to all amateurs and we urge you to pass the word to others in your club or area.

No reservations required! Questions, contact: Glenn Kurzenknabe, K3SWZ 717-774-1728 k3swz@arrl.net

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.

Charles (Chuck) Briner / WA3MGD

2009 FIELD DAY LICENSE PLATES

Field Day Photos by Dave / N3EYT



FIELD DAY 2009





DLARC 2009 FIELD DAY MORNING CALL COVERAGE

Coverage by the Morning Call: Story, Video, and Photos

Story: http://www.mcall.com/news/local/all-a5_3radio.6944330jun29.0.1929242.story

Video: <http://www.mcall.com/videobeta/watch/?watch=ec8edd87-4c4a-459e-9e64-2c63b43086ef&src=front>

Photos: <http://www.mcall.com/news/local/all-5radio-062809-pg.0.3570984.photogallery>

A STIMULUS STORY

It is the month of August, on the shores of the Black Sea. It is raining, and the little town looks totally deserted. It is tough times, everybody is in debt, and everybody lives on credit. Suddenly, a rich tourist comes to town. He enters the only hotel, lays a 100 Euro note on the reception counter, and goes to inspect the rooms upstairs in order to pick one. The hotel proprietor takes the 100 Euro note and runs to pay his debt to the butcher. The Butcher takes the 100 Euro note, and runs to pay his debt to the pig grower. The pig grower takes the 100 Euro note, and runs to pay his debt to the supplier of his feed and fuel.

The supplier of feed and fuel takes the 100 Euro note and runs to pay his debt to the town's prostitute who in these hard times, gave her services on credit. The hooker runs to the hotel, and pays off her debt with the 100 Euro note to the hotel proprietor to pay for the rooms that she rented when she brought her clients there. The hotel proprietor then lays the 100 Euro note back on the counter so that the rich tourist will not suspect anything. At that moment, the rich tourist comes down after inspecting the rooms, and takes his 100 Euro note, after saying that he did not like any of the rooms, and leaves town. No one earned anything. However, the whole town is now without debt, and looks to the future with a lot of optimism. And that, ladies and gentlemen, is how the United States Government is doing business today.

And if that doesn't scare the crap out of you then you are brain dead!

INFORMATION NOTICE

The Pennsylvania Emergency Management Agency (PEMA) has begun the development of a Pennsylvania Auxiliary Communications Services (ACS) program. The ACS program, which will include the Radio Amateur Civil Emergency Service (RACES), will be a mechanism for augmenting and coordinating existing and future volunteer emergency communications resources in the Commonwealth of Pennsylvania and for providing auxiliary communications support to Commonwealth departments and agencies.

As we move through the development and implementation process, PEMA will be reach out to stakeholders and partners for assistance and we will be providing updates as milestones are reached.

An important note: all procedures, guidance, recommendations and/or requirements currently in effect, as it pertains to RACES or amateur radio operations in support of government, at the state, task force or county level, remain will in effect until or unless PEMA officially announces or provides guidance to the contrary.

BAR CODE INFORMATION

The whole world is scared of China-made 'black hearted goods'. Can you differentiate which one is made in USA or Taiwan or China?

Let me tell you . . . if the first 3 digits of the bar code are 690 thru 695, the product is probably MADE IN CHINA. 471 are Made in Taiwan.

This is our human right to know, but the government and related departments never educate the public, therefore we have to RESCUE ourselves.

Nowadays, Chinese businessmen know that consumers do not prefer products 'MADE IN CHINA', so they don't show in which country it is made. However, you may now refer to the bar code, Remember, if the first 3 digits are 690-695 then it is MADE IN CHINA.

00 to 09 USA & CANADA

30 to 37 FRANCE

40 to 44 GERMANY

49 - JAPAN

50 - UK

750 - Mexico

This is only a partial listing of the

available bar code, every country has their own numbers, but it will give you an idea of how they work.

F.Y.I.

The winners of the July Door Prizes were Jay / N3OW, Carl / AA3IX, Jeff/ /N3QO and Dave / K3GMT

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.

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, a sort of "Letters to the Editor" section.

**EXECUTIVE COMMITTEE 2008 – 2009
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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 Northampton County 911 Center.
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
DELAWARE LEHIGH AMATEUR RADIO CLUB INC.**

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 145.11 (151.4)

THE NEWSLETTER STAFF

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