



BROOKHAVEN NATIONAL LABORATORY AMATEUR RADIO CLUB JANUARY 2014

# NEWSLETTER

## Twenty-two New 'Hams' at Brookhaven Lab by Joe Gettler



### In the Shack

The new Yaesu G-800 Rotor is installed and ready for use. It has been tested out by several members already and appears to be functioning properly.

We also have keys to the shack that can be checked out by members desiring to use the shack during lunch or after hours. For access, contact Nick Franco at extension 5467.

-Gary Stevens  
KD5SFQ

<http://www.bnl.gov/newsroom/news.php?a=24557> Read the article online

### A Pyrme AL-800 Real World Test by KD5SFQ

Many of our new members are wondering about just how far can you transmit with a 5 watt or less handheld transceiver.

For this test I used a Baofeng UV-5R with the AL-800 antenna. This antenna has a remarkable gain of 5.6db on 70cm.

From my front yard in Commack, I was able to easily connect to the BNL repeater using 5 watts with a 5 by 9 signal report.



However using just 1 watt, the report was more like a 4 by 6 signal.

To me that is extremely good considering the distance.

The effective radiated power (ERP) for 4 watts equals 14.52 watts with the AL-800 and at 1 watt the ERP is a mere 3.63 watts. I also get the 4 by 6 report using a 0 gain rubber duck antenna using high power (4 watts.)

While location makes a difference, I encourage you to test you to perform your own tests and let me know your personal results.



## Happy New Year BNLARC

By Gary Stevens KD5SFQ

Can you believe that it is 2014 already? Last year seemed to zoom past us like a shooting star. Although time streaked by at a fast pace, as a club we certainly had a productive year.

For the first time in many years, we held classes and training sessions. The Technician License class ran from September through November. As a result of the class, there are 23 new licensees and one upgrade. Six new licensees went straight to a General License and one even went to Amateur Extra!

Last November, we held a VE session at BNL at the conclusion of the class. It was staffed predominately by our club members.

We also started a class in Morse Code for those wanting to learn to key. Nick Franco is passing on this skill to a new generation of Hams as well as a few others.

The Holiday Breakfast was well attended in spite of the snow storm. We had a good meal and enjoyed good company while the snow fell.

The repeater activity has increased because of your new licensees as well. While not every class member joined our club, many have. Both members and non-members alike have participated in our new weekly new-be-net to help everyone get on the air and enjoy quality discussions every Friday at noon. Feel free to join in!

With the new year we are again offering the Technician License Class and have 8 more people enrolled. In addition we are offering a General License Class that also has about 8 participants.

In the near future we are planning an antenna workshop for those who desire to construct their own antenna. This will be open to club members and students onsite during lunchtime.

This June we are planning to hold Field Day on site once again. Please plan to attend this and other club events. We want to make 2014 another banner year for the BNLARC.

Again, Happy New Year BNLARC!

## Calendar

### February Each Week

M-W-F Technician License Class

Tu-Th General License Class

Friday's a noon New-be Net on K2BNL repeater

Each Sunday at 7pm - BNL Repeater weekly Rag-chew

### February 18th at 12 noon

Club meeting onsite at the Shack.

## Contributors

GARY STEVENS  
KD5SFQ

YOUR NAME GOES  
HERE

Let's face it, clubs are more fun when everyone participates. Share your HAM tips, projects and experiences with us by writing a short blurb for the NEWSLETTER. Just send me your article or chicken scratch. It's all good! [gstevens@bnl.gov](mailto:gstevens@bnl.gov)