



BROOKHAVEN NATIONAL LABORATORY AMATEUR RADIO CLUB SEPTEMBER 2013

# NEWSLETTER

*Club Officers to meet with  
the National Weather Service  
by KD5SFQ*



The elected club officers of the Brookhaven National Laboratory Amateur Radio Club as well as a few vested members, will be meeting with the National Weather Service in Upton to come to an understanding of how our volunteers can help out during future weather events.

We will also be discussing other issues such as lab access during events like Hurricane Sandy, SKYWARN training and other related topics.

After the meeting, we will provide an update as to what we learn and how our club participation will take form going forward.

## **In the Shack**

It was discovered that the HF antenna has slipped down on the mast causing it to jamb on the mini tower.

Efforts are underway to correct this issue. Hopefully by in a few weeks the shack will be fully operational once again.

## **Repeater News**

The carpenters and electricians have been busy working in the trailer.

Our repeater is now on the emergency backup power generator circuit. This facilitates it's use for emergency operations.

*-Gary Stevens  
KD5SFQ*

## **Alternate Fuel Generators**

One Lesson we all learned during Hurricane Sandy was that gasoline can be short is supply. In contrast, propane was abundant and readily available at many locations.

Even if it were not plentiful, it is still a better fuel source because the



shelf life of propane can be stored indefinitely. It also burns cleaner and thus extends the life of the engine.

While the choice of propane generators is somewhat limited, there are some conversion kits available for gas powered generators. Some kits allow you to run gasoline or propane.

Being able to run on propane is most likely the smart thing to do!



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### VE Session Planned for November

If you want to upgrade your license, we are having a VE sometime in the November timeframe so be ready!

Also if you hold a General or Amateur Extra License, please help us by becoming a VE prior to then.

The exams will most likely be on a Saturday.

### General License Class in January

If you are wanting to upgrade to a General License, now is your chance. Expand your knowledge and privileges. Being able to talk on HF opens up a whole new dimension of being a HAM.

Avoid the rush and sign up now!

For more information contact: Gary Stevens at [gstevens@bnl.gov](mailto:gstevens@bnl.gov).

### Calendar

#### M-W-F at 12 noon

The Technician Class is held.

Please show your support by attending a class. You can help with demonstrations and by fielding questions from students.

#### October 15th at 12 noon

Club meeting onsite at the Shack.

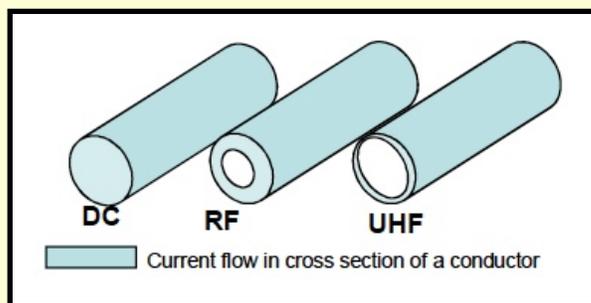
### Contributors



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### The Skinny on the Skin Effect

As frequency increases, the magnetic and electric fields of a signal do not penetrate very deep in a conductor. Direct current however uses the full thickness of the wire for conduction. As frequency increases, the effective area is reduced moving closer to the surface of the wire. The result is the as frequency increases, so does the effective resistance.



YOUR NAME  
GOES HERE

Let's face it, clubs are more fun when people participate.

Share your HAM moments with us by writing a short blurb for the NEWSLETTER. Just send me your article or chicken scratch. It's all good!