

New Bern Amateur Radio Club

Volume 33, Issue 6

June 2010



foto by W2RLG & W2HVX



Logo tnx to Eve, XYL of W2HVX

Next Meeting June 3rd, 2010, Time: 6:30 PM, Location: The Courtyards @ Berne Village, 2701 Amhurst Blvd.

Menu Buffett Style

Soup Du Jour (Soup of the day)
Baked Pork Chops or Pepper Steak
Green Beans
Rice
Rolls

Dessert

Brownie w/ Ice Cream

Cost for the meal is \$7.00

Call Ed. W2YPM. to confirm your attendance/meal @ 252-637-3161

President's Corner for June 3rd, 2010

Dave Warwick, K4DJW, President

The June 3, 2010 meeting will be at our new meeting place, the Bern Village Courtyard Dining Room, located on Amhurst Road, which is off Glenburnie Road. We are going to give the Courtyards a few more opportunities to improve. If things do not improve, we can try to go back to Famous Pizza or possibly the Golden Coral (or anywhere else that is suitable).

Sorry I cannot make it to the meeting this month. I have to go to NAS Patuxant River, MD for my job. One more year and I will be eligible to retire. Hopefully, more time for hamming.

Hurricane season is coming up, so be sure you follow the Boy Scout Motto "BE PREPARED".

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Treasurer's Report for April, 2010

Ray Hemphill, W7OPH, Treasurer

The check ing balance is \$932.52 and the savings account balance is \$2,799.40. The door prize money from the last meeting was \$30 (deposit) and the only check written was to the florist for \$50.00, flowers for Ralph Bitely, K4RAB. The progress energy bill was \$27.04 dir. withdrawl. The form 990-N was forwarded to IRS and got word back that it had been accepted by the IRS on time. It now has to be sent in annually in May.

Everyone should sit down and make a "Checklist" or a plan of what you and your family will do if you decide to stay in your home when a hurricane comes or, if you decide to leave where you will go, what route you will take and what items you will take. Be prepared not just with your radio equipment but it is also a good idea to have some canned or dried food and of course a gallon of water for each person in your family per day. The government use to suggest keeping 3 days worth of food and water on hand, but I have been without power for over a week in both Craven and Jones Counties, so I keep a month's worth of food and water. Also, it is a good idea to start your generator and let it run for about 10 or 15 minutes once a month. Here are a few websites that have emergency checklists and information;

WWW.TACDA.ORG,

WWW.REDCROSS.ORG;

WWW.EMERGENCYPREPAREDNESSCHECKLIST.COM

You can buy premade survival kits, but I prefer to make my own; that way I am familiar with what is in there and can tailor it to my own wants and needs.

Looking forward to seeing everyone next month.
73's

RADIO RELATED NOTES.

Sid Purvis WA4VBC

The 911 and E-911 (Enhanced 911) systems we are all familiar with may soon be changing to an updated system known as NG-911, NG being new generation. The well known 911 number and systems have been in service for over 40 years with the first 911 call being made in Haleyville, Alabama in 1968. How did we get the 911 number? Good question. Britain, it appears had the first known 3 digit emergency number, 999. Since the 3 digit number seemed to be a good idea, over the years a 3 digit number for the United States was discussed. And in fact, history indicated other countries used 3 digit numbers such as 999, 000, or 111.

In the 1960s, AT&T designated 911 as a universal emergency number. There is much speculation as to why 911. Was it a random generated number, most likely not? Since AT&T and other phone companies following suit, were using numbers like 411 for Directory and 611 for Repair and Britain and others using 999, it may have been a logical selection to use 911. Or was it because the 9 and 1 holes in the old rotary dials were easy to find and dial? Nothing was recorded as to how and why 911 were selected, but hey, it's as good as any other number.

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Meeting Minutes- 6 May 2010

Robert Melle, AJ4XS Secretary

The regular monthly meeting of the New Bern Amateur Radio Club was held this date at the Courtyards. The meeting was called to order at 6:55 by President Dave Warwick, K4DJW. There were 30 names on the roster, one of which is attached to these minutes.

Introductions where made from the floor.

Mark Rappaport, W2EAG, passed around the sign up schedule for Field Day and by the end of the meeting 20 names were listed. There is still room for many members that want to help out at Glenburnie Park. The more the merrier.

The Creekside Relay was very successful and a special thanks goes out to Pete Koonce, KA4SXX, newly upgraded to General Class, Tony Koonce, N4WAJ and Bruce Arnold, N8UTY.

Jim Wright, KS40 gave an ARES update. All EC's must be updated. If you work at the EOC you must have all courses done! There is the possibility of using club meeting time for training. NC ARRL has a link to training, here is the link to the Independent Study Courses on FEMA's website (<http://training.fema.gov/IS/>).

This month's presentation was given by Don Oltz, K8ZAB. He gave an outstanding presentation on the Gulf Oil Rig Fire. Don is an expert and consultant in the oil industry. We appreciate your time and thank you for presentation!

Ralph Bitely, N4RAB is in the hospital. A motion was made to send flowers and a card to him. Motion passed. Get well soon Ralph.

Kudos to Tony Koonce, N4WAJ on his upgrade to General during the last VE session.

The Raffle prize was won by Mark Rappaport, W2EAG and raised another \$30.00 for the club.

Motion to adjourn By Mark, W2EAG, 2nd by Tom Hill, KJ4IV.

June Birthdays,

Lyle Lewis, KG4MBJ,

Billy Morton, KE4YMA,

Ken McCain, K4KDM.

As a special Birthday wish, all three of you are invited out to Field Day! Happy Birthday guys!

Now with all the modern technology the legacy 911 systems are outdated and are going to be replaced in the next few years with NG-911. 911 is basically an analog, voice based system. The NG-911 system will be an IP digital based system running on IP networks. It will be capable of handling all types of digital data such as video, text messages, multimedia data, medical info, etc. The legacy 911 systems are mainly local networks while the NG-911 system will be an interconnected network with fast links to other Public Safety Answering Points (PSAPs). It will be a "cloud" type set-up as I understand it.

This change is being pushed from the Federal level, by public safety officials, and equipment vendors. Much federal money is being and will be spent on this project. Just how fast it becomes a reality in our local area is not known. The down side to NG-911 is that since it is IP based, hackers (world-wide) will have to be dealt with and it is a much more involved network. The public should not notice much change when it converts, except that much more info (such as pictures from a cell/wireless phone) can be supplied to the dispatch center (PSAP) when an emergency call is made. With local budgets being tight now, it may not happen any time soon and I am sure it will be debated.

On a related note, much discussion is going on about the future use of some 700 MHz spectrum. Some blocks of spectrum in the 700 MHz range is available and the plan was to auction it off for commercial/public use. This auction would bring in multi-billions of dollars. This is very valuable spectrum and is needed for future wireless commercial/public communications use. However, it is being debated in Congress and elsewhere whether or not to allocate this space to public safety that also has a need for more frequencies. What started as a technical discussion may wind up being more a political discussion with a decision based on political considerations and not mainly engineering considerations.

ARES Angle

Jim Wright, KS4O

Craven County ARES EC

It's officially hurricane season as of June 1. That means we all need to think about what we would do if a hurricane heads our way. Clearly our own family and property take first priority but after that is helping our neighbors, whether they're next door or in the next county.

ARES is the Amateur Radio Emergency Service. We provide emergency communications when it is requested. In our case the request will normally come from Stanley Kite, the Emergency Services Director for Craven County. In the case of a hurricane, the

communications we will provide will normally be from one or more shelters to one or more Emergency Operations Centers (EOC). In Craven County, the EOC is set up in a courtroom on the second floor of the Courthouse. We currently have a 2-meter antenna on the courthouse, and the cable is accessed through a trap door in the ceiling just outside the courtroom door. We have 120VAC power available that is backed up by the EOC's emergency generator, and we also have access to WiFi for internet access.

The shelters in Craven County are operated by the local Coastal Carolina Chapter of the American Red Cross as well as State employees. The shelters are all located in Craven County public schools. If a shelter is opened, an ARES member will be dispatched to that location. The ARES member will be expected to provide communications on 2 meters, preferably with a radio more powerful than a handheld. At the present time the ARES member will also need to provide his own portable outdoor antenna, since to the best of my knowledge none of the schools currently have working antennas. The portable antenna can be something as simple as a J-pole made from 300 ohm twin lead with 30 or 40 feet of coax to reach outside from the operating position.

If a Category 5 storm is heading for New Bern, chances are good we will all want to leave. That is expected. The communications support we can provide will more likely be for damaging storms in adjacent counties. The same is true for shelters: Craven County shelters are likely to be used, for example, if Carteret County gets hit hard.

Shelter communications will be primarily on 2 meters. If our repeater survives, we will use it. In addition, if the Grifton repeater survives, it will be used for communications with the main Red Cross district office. If we need to communicate with the State EOC in Raleigh, our current plan is to use the Tar Heel Emergency Net (THEN) on 3923 KHz. Clearly we will not have that capability at the shelters or at the Craven County EOC, so we will be depending on local ARES members at home with both 2 meter and 75 meter capability to relay traffic from Craven County to the State EOC.

The bottom line here is that any ham can be useful to ARES, and I hope you will all sign up. I'll have forms to fill out at the upcoming meeting. As Pat Gorman, our District Emergency Coordinator, said in his talk to the club, numbers are important! More ARES members helps make the point to the FCC that we are doing our job of providing Emergency Communications, and that translates into preserving our precious spectrum. Please sign up for ARES!

Electronic Parts Available

Ed Valentine, W2YPM

I have collected a lot of parts from various manufacturing jobs and WA2YLO Jim Reynolds has added to the supply. We have many items in some quantities that we would like the club members to have access to.

If you are building circuit projects please see me. Some examples are:

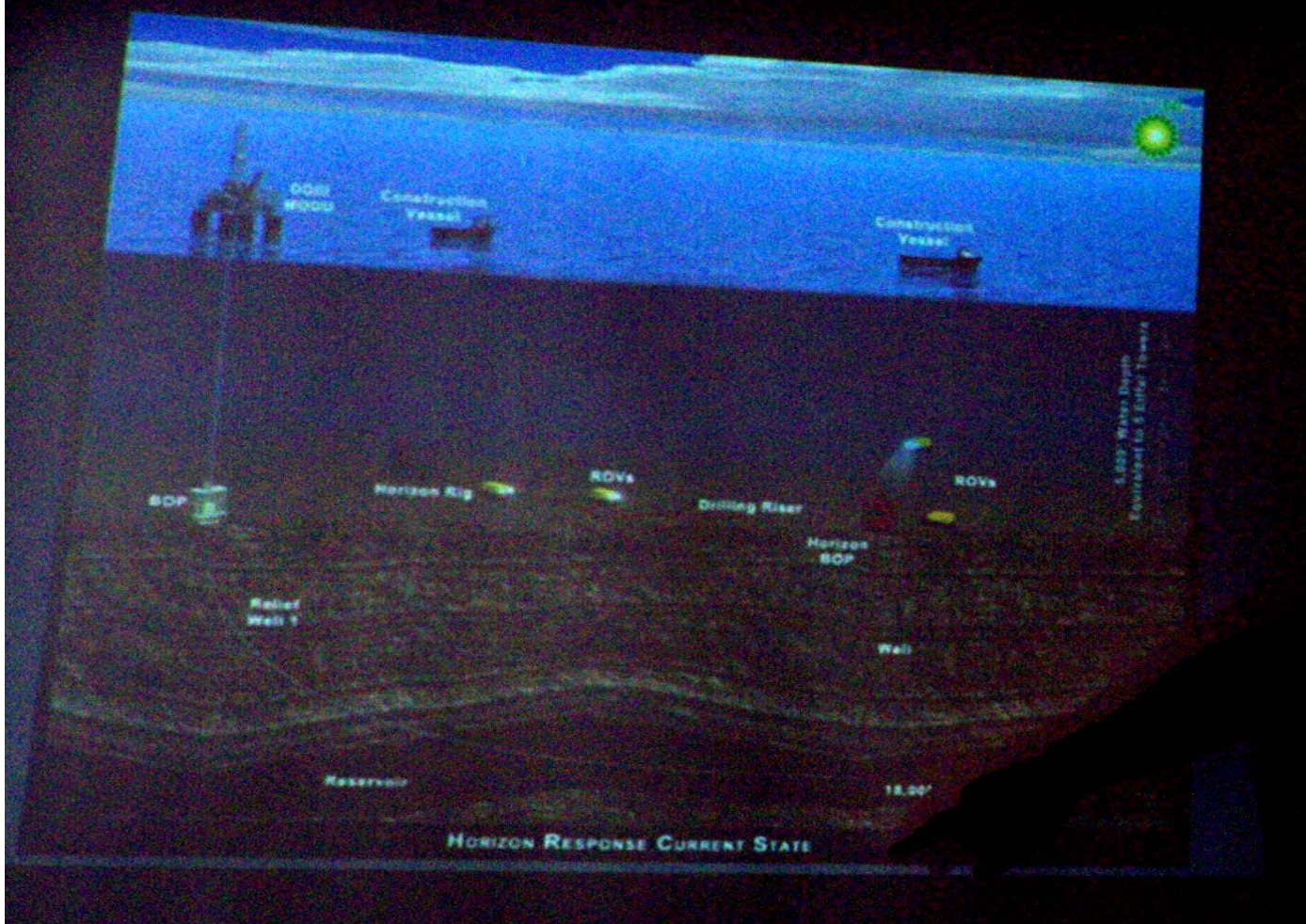
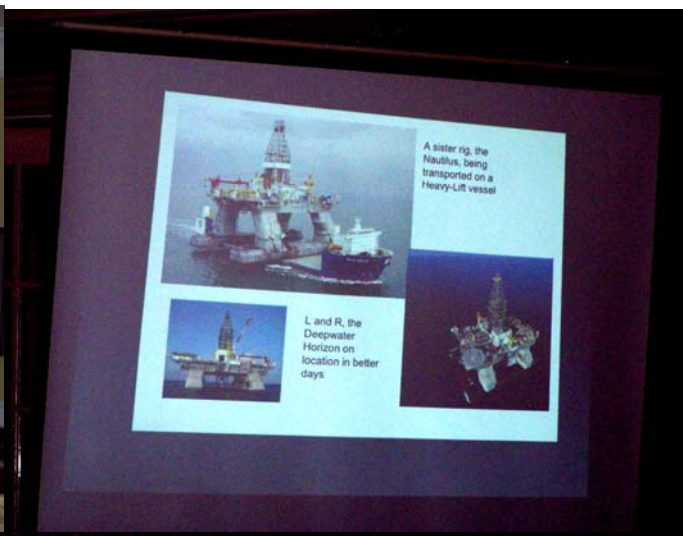
- a beautiful 1&1/2 inch 200MA meter, a few of them and many other ranges
- resistors of every value and wattage
- 1N2009 Diode 1a at 600 v
- high current diodes for power supplies
- small 200 to 600 volt micas
- many crystals plug and pin types
- insulated shaft couplings 1/4 inch
- coil stock to make a tuning unit
- ferrite cores and rods
- bridge rectifiers
- mica insulators for mounting transistors to heat sinks
- capacitors of just about every value, large and small
- 1N914 Diode Logic signal gen/purp 25ma for/100v rev
- high power resistors 5 to 100 watts, many values
- 470 mfd. at 35 volt tantalum capacitors
- many various heat sinks.
- ceramic insulators and standoff mountings for tuning capacitors
- knobs for both 1/4 and 1/8 inch shafts
- aluminum antenna rods and tubing
- high voltage mica transmitting type, many values
- phenolic boards for mounting components

We would like to help the club members get into building projects since we have so many components left over from jobs. Being a ham for so many years we collected a lot for that someday project which we never got to build.

Call Ed Valentine W2YPM 637-3161 or Al Parker W8UT 636-0837

Here are some pictures from last month's meeting, courtesy of Al Parker.





Frequency Chart

Frequency	Time	Day	Mode	Name	Offset
3.573	2200	Daily	CW	Carolina's Net (10 WPM)	
3.573	1900	Daily	CW	Carolina's Net (20 wpm)	
3.695	1800	Daily	CW	Carolina Slow (CSN)	
3.907	1900	Daily	LSB	NC Emergency Net	
3.908	1900	Daily	LSB	Coastal Carolina Emergency Net	
3.923	1930	Daily	LSB	NC Amateur Radio Emergency Services (ARES)/Tarheel Emergency Net	
3.923	1830	Daily	CW	NC Evening Net (NCEN)	
3.927	0745	Daily	LSB	NC Morning Net (NCMN)	
7.177	0730	Saturday	LSB	Jarhead Net	
7.224	0730	Mon-Fri	LSB	Fairfield Harbor Cruising Net	
7.628	0745	Daily	LSB	Waterway Radio & Cruising	
121.500				Aircraft Guard (Emergency)	
145.110			Repeater	Columbia	(600 KHz down)
145.150			Repeater	Nags Head	(600 KHz down)
145.190			Repeater	Jacksonville	(600 KHz down)
145.310	2100	Tuesday		Skywarn	
145.310			Repeater	Trenton	(600 KHz down)
145.350			Repeater	Greenville	(600 KHz down)
145.410			Repeater	Williamston	(600 KHz down)
145.450	1930	Tuesday	Repeater	Newport (Carterte County ARS/ARES)	(600 KHz down)
145.470			Repeater	Kinston	(600 KHz down)
146.610	2000	Sun-Fri	Repeater	New Bern NBARC Ragchew	(600 KHz down)
146.640			Repeater	Raleigh	(600 KHz down)
146.655			Repeater	Elizabeth City	(600 KHz down)
146.685	2100	Thursday		ENC Emergency	
146.685	2030	Daily		ENC Traffic	
146.685			Repeater	Grifton	(600 KHz down)
146.730			Repeater	Wilmington	(600 KHz down)
146.760			Repeater	Swansboro	(600 KHz down)
146.835			Repeater	Nags Head	(600 KHz down)
147.000			Repeater	Jacksonville	(600 KHz down)
147.090			Repeater	Greenville	(600 KHz down)
147.210	1930	Wed		Pamlico County ARES	(151.4 tone)
147.345			Repeater	Washington	(600 KHz down)
147.375			Repeater	Greenville	(600 KHz down)
148.150			Repeater	Civil Air Patrol	(600 KHz down)
154.400				Craven County Fire Rescue	
154.800				Jones County Sheriff	
155.685				Craven County Sheriff Tactical	
155.970				Police Mutual Aid	
156.210				Craven County Sheriff	
156.300				CG Search & Rescue	
161.800				Marine Distress	
162.400				NOAA Weather (Newport)	
243.000				Aircraft Guard	
444.900			Repeater	New Bern	(5 MHz up offset)