

# New Bern Amateur Radio Club

Volume 33, Issue 5

May 2010



foto by W2RLG & W2HVX



Logo tnx to Eve, XYL of W2HVX

**Next Meeting April 6th, 2010, Time: 6:20 PM, Location: The Courtyards @ Berne Village, 2701 Amhurst Blvd.  
The topic and program is from an Expert and Consultant in the oil industry Don Oltz K8ZAB  
"The Gulf Oil Rig Fire."**

**Cost for the meal is \$7.00**

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

## President's Corner for 6 May 2010

Dave Warwick, K4DJW, President

The May 6, 2010 meeting will be at our new meeting place, the Bern Village Courtyard Dining Room, located on Amhurst Road, which is off Glenburnie Road.

This month's program is from an Expert and Consultant in the oil industry Don Oltz K8ZAB "The Gulf Oil Rig Fire." This should be an interesting program. Thanks to Ed (W2YPM), for setting this up.

On April 24 there was a Boy Scout Jamboree held in Kinston, NC. There were 4,100 scouts registered to attend. I am not sure how many actually showed up, but there were a lot of people there. There were many events for the scouts to participate in; fire building, knot tying, and shotgun shooting. I was asked to assist with Radio Merit Badge, which I agreed to do. When it got closer to the event I found out I was going to be the only Ham there to teach. I did have an assistant that was an airline pilot; he did not have a ham license but was very helpful and assisted the whole time I was there. Normally

## Treasurer's Report for April, 2010

Ray Hemphill, W7OPH, Treasurer

### Checking

<b>Beginning Balance:</b>	<b>\$ 1166.65</b>
Deposit(s)	\$ 41.00
	<b>\$ 1207.65</b>

Deduction(s)	
Web Site	- 119.70
Progress Energy	- 41.49
County Tax on Trailer	- 58.90
Member ARRL Ren	- 37.00
<b>Ending Balance:</b>	<b>\$ 987.56</b>

**Savings: \$2,799.17**

The one deposit was from the door prize collection. The web site is paid in full until January, 2011 and the new repeater controller has been ordered but the bill has not been received as of yet. 73, Ray

it takes 6 to 8 hours to earn Radio Merit badge, but they only gave me 20 minutes. So I made the program more of an introduction to radio and only covered the first requirement of the merit badge. I set up a radio and showed the Amateur Radio video narrated by Walter Cronkite, then talked about radios for a few minutes then answered questions.

I was running the DVD Player and Monitor off Boy Scout Troop 13's batteries and inverter that they have in a Cook trailer. About 2:00PM the batteries went dead so the last few groups of scouts did not get to see the video. I have been thinking about getting a small 1,000 or 2,000 watt generator for these events to keep the batteries charged. I think about 20 groups of 5 or 6 scouts stopped by throughout the day and attended the class. I hope some of them will get the radio bug and eventually become Hams.

Ed (W2YPM) has several good ideas about fostering new club members and monthly programs. We shall discuss these topics at the meeting as well.

Looking forward to seeing everyone Thursday. 73's, Dave

### **Two Meter Sprint Activity - April 12<sup>th</sup>**

Ed Valentine, W2YPM

The forecast on the ([Hepburn Chart](#)) was not encouraging but we all did have fun with local activity. Ken K4KDM got on SSB and gave us a contact. Also on the band was KS4O-Jim, AI4WL -Jim in Oriental, AJ4XS-Bob, and W8UT-AI. A station was heard in Maryland but none could complete a QSO.

Just a week ago there were good conditions and lots of out of state contacts were made by many on the east coast. I managed to catch W1LP in Sandwich Mass. 582 miles. Now we all are looking forward to the June weekend VHF contest. 73s, Ed

### **Field Day 2010**

Mark Rappaport, W2EAG, Field Day Coordinator

Hello everyone. This year I would like the emphasis for Field day to be on operating. At the meeting, I will provide a chart for people to sign up for operating times they would prefer. I have a good start on the signup sheet to help with FD, but we need more folks to sign up this month and next to make the event a real success. See you at the meeting.

**For Swap and Shop/ For Sale** Dave Rappaport, 910-382-4217. My son has 90 feet of Rohn 25 tower, base plate, large rotator and box for sale. Also has some guy wire etc... If interested or know someone who is, you can contact him at the number above. Thank you.

### **Meeting Minutes- 1 April 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 7:00 by President Dave Warwick, K4DJW. There were 29 present and the roster had 26 names, a copy of the roster is attached to the minutes. Introductions were made from the floor.

The floor was turned over to Stanley Kite who is the director of Emergency Services for Craven County. He spoke about the requirement for the county to keep up to date with the Red Cross and the National emergency plans. He thanked us for all we do and does not see having emergency communications without us.

Discussion was held on possible spare repeater sites. Several members are working on getting permission at a great location for our spare repeater. We should have an update by the May meeting.

Mark Rappaport, W2EAG is once again heading up Field Day 2010. It will be the 26-27 of June and volunteers are always requested to sign up. It does not matter what you can do. We can always use your help. I attended my first one last year and had a great time.

The Club was contacted by Liz Henderson of Creekside Elementary School needing our services May 1. From 7-10 am we will assist with radio communications for their annual 5K run. We had 5 or 6 volunteers at the meeting, please mark your calendars.

Ed Wafford, KJ4SGW has volunteered to be the Clubs new Newsletter Editor. Al Parker, W8UT has done a fantastic job for us for many years and we all thank Al and wish Ed the best of luck.

Jim Wright, KS4O attended a meeting with Hams and the Red Cross District in Greenville. They discussed the many problems with communications between shelters.

A motion was made by Ray Hempill, W7OPH to replace our controller not to exceed \$650.00 2nd By Bob Melle, KJ4HJH motioned passed. The exact controller will be researched and compared by Sid Purvis, WA4VBC and Mac Eustler, WA0ZGL for the best deal for the clubs needs.

Sid won the door prize that raised \$41.00 for the club. Motion to adjourn at 8:17.

## Economical 12 volt Power Distribution Box

Sid Purvis, WA4VBC

I needed a 12 volt power distribution box to power the HF, VHF, and UHF base rigs using an Astron VS-35M power supply. I looked at the various commercial power distribution boxes and found some very nice ones available with power-pole or binding post connections, but thought there should be a way to make one. Amateur radio is about building something from time to time is it not? While looking through a past issue of QST I saw something that looked exactly like what I had in mind. Jack Morgan, KF6T published an article on a box he made and low and behold I had already purchased the required items and had them on the shelf. I will give Jack the credit for the design since he published it. The item needed are available from Radio Shack or other vendors, mine came from a recent hamfest. Only 3 parts are required and the box can be made for less than \$10.00 or nothing if you have a good junk box.

A picture is below and is pretty self-explanatory. All you will need a plastic box about 4 1/2" x 2 1/2" x 2" deep along with an 8 position plastic barrier strip, and either an 8 position or two, 4 position metal jumper strips. If you use an 8 position jumper strip you will need to cut it in the middle to separate the positive and negative terminals, if you use two, four positions jumper strips you are good to go. I used construction adhesive and a couple of screws to secure a 1" block of wood in the bottom of the box to elevate the barrier strip and cut a slot in the side of the box for the wires to exit. When complete, you can power 3, 12 volt devices from this box (1 input and 3 outputs each positive and negative) and if you need more it could be made larger and more barrier strips added. You can use insulated spade lugs for # 10 or 12 wire and they fit well. Call me if you want to build one and have any questions.



Rev-1. Added a lighted power on/off switch (from auto parts store) in the end of the box to control the power source going to the box.

Not shown in photo.

## Repeater Controller News:

Sid Purvis, WA4VBC

A new controller, a CAT-300DXL was ordered from Computer Automation Technology in Florida. This is a full featured unit with autopatch, voice synthesizer, etc..., housed in a rack mount enclosure. A Comm Spec TS-64DS CTCSS decoder board will be added. We hope to have all the piece parts by mid-week with installation to follow early next week.

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

## 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)