

New Bern Amateur Radio Club

Volume 34, Issue 10

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Photo by W2RLG & W2HVX



Logo tnx to Eve, XYL of W2HVX

Next Meeting Oct 6th, 2011, Time: 6:30 PM, Location: The Courtyards @ Berne Village, 2701 Amhurst Blvd. Menu: Baked Pork Chops, Fried Chicken, Buttered Rice, Broccoli with Cheese

Cost for the meal is \$8.00, Call or Email Ed Wafford, W4EDW to confirm your attendance/meal @ 252-665-0800

President's Corner for October 2011

I would like to thank everyone who helped out with the MS 150 Bike-a-thon. I could not make it, but from what I heard everything went very well. Our Comm trailer was used this year and we have some ideas on how to improve the radio operator's station. Basically, we are talking about installing a piece of counter top in the front of the trailer to use as the radio operators station. Hopefully, two operators could sit side by side, or still have the option of one operator sitting at the dining table.

My 60' tower broke in two during Hurricane Irene, and I have not had a chance to fix it and re-install my HF antenna yet. I was thinking of moving my V/UHF antenna from the house roof, to the top of the tower. That should increase my VHF range some. I had an I-MAX 2000, 10 meter antenna on the top before, which I think caused a lot of wind resistance and may have contributed to the tower breaking.

I have also been updating my "go-kit". During the Hurricane I was preparing to man a shelter and I realized I had a lot of old ARES forms and first aid supplies that needed to be updated. As it turned out we lost cell phone, power, and I was blocked for a couple days in by a fallen tree and could not get out, so I did not deploy.

Due to technical difficulty last month with the projector, we had to postpone Mac's presentation on APRS to this month. Mac always gives an excellent program so you will not want to miss this meeting.

Happy Birthday to the following Club Members that have birthdays in October. If I missed your Birthday please let me know and I will add it to the Birthday List.

Dick Goodwin / K4JJW, first licensed 1954.

Looking forward to seeing everyone at the October meeting. 73s Dave KD4DJW

Secretary's Corner,

Bob Melle, AJ4XS

1 Sept 2011

The regular scheduled 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 20 names on the roster one of which is attached to these minutes. Introductions were made from the floor with reports of damage from hurricane Irene. Most members were lucky with minimal damage and everyone had lots of clean up.

Tim Weikert, KC7DCW spent many hours at the county EC before and during Irene. Tim gave us a run-down of all the traffic that was handled by the EC through all the amateurs that were on the air during the ARES activation. Tim will work with Stanley Kite to get permission to add a new dualband antenna and a

HF antenna added to the EC.

A discussion was held on the need of new antennas at the shelters for better communications. A motion was made by Bruce Arnold, N8UTY, to purchase 4 new Diamond X50 antennas, seconded by Ray Hemphill, W7OPH, motion carried. Any members interested in one of these antennas, please contact me by the 15th.

Jim Sheer, W4NLD gave the final presentation on the Club logo signs. Jim did all the foot work on finding the best price for the new signs to be mounted to the clubs trailer and magnetic signs for members vehicles. Any members wishing to purchase the magnetic signs for themselves, please contact Jim by the 21st. Motion by Jim Sheer, seconded by Jim Wright, KS4O to get the signs, motion carried.

Motion to adjourn.

Robert Melle, AJ4XS Secretary

Ray Hemphill, W7OPH

Club Treasurer

Here goes for Sept 2011 finance report. The savings account stands at \$1,802.08. Expenses for the month are \$284.00 for one year insurance on our equipment. Progress energy (power) bill was \$38.47, and the phone bill (CenturyLink) was \$27.80. So now we have a bank balance (checking) of \$500.41. There were no deposits for the month. We have a 'sign' bill coming up for \$240.00, which I will get from Jim Sheer when gets back into town. Want all folks to understand that if they want magnetic signs for their cars, the cost for these signs is up to each member. The club vote did not include the magnetic signs. Respectfully submitted: Ray Hemphill, W7OPH, Treasurer

| | |
|----------|-----------|
| Checking | \$500.41 |
| Savings | \$1802.08 |
| Total | \$2302.49 |

| | |
|-----------------|---------|
| Checks | |
| Century Link | \$27.80 |
| Progress Energy | \$38.47 |
| Equip Insurance | \$284 |
| ARRL Renewal | \$37 |

HAMFEST

The 59th Annual Rock Hill Hamfest

Saturday October 1st 2011
Faith Assembly of Rock Hill
2800 Faith Blvd.
Behind Pets Mart and Home Depot off Cherry Road.
Rock Hill, SC 29730

Regular Admission \$5.00 Per Person
Tailgating \$5.00 Per Spot!
(Includes One Admission)
talk-in 147.03
contact: Brent Case K4BSC
at: micronut@gmail.com or k4bsc@arrl.net

Maysville Hamfest

<<http://www.arrl.org/hamfests/maysville-hamfest-1>>

Date: 10/09/2011
Location: Rotary Park Community Center
2 Blocks North of the intersection of Highways
17& 58
Maysville, NC 28555
Sponsor: Maysville Hamfest Association
Type: ARRL Hamfest
Talk-In: 144.710 / 145.310 (PL 82.5)

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|-----------|--------------------------------|
| 10/1/2011 | Rock Hill Hamfest |
| 10/8/2011 | Winston-Salem October Swapfest |
| 10/9/2011 | Maysville |
| 1/14/2012 | Winston-Salem FirstFest |
| 4/7/2012 | NC State Convention |

A NEW TWIST ON EMERGENCY COMMUNICATIONS.

By Sid Purvis WA4VBC

According to published reports, the FCC is looking at alternative methods to provide emergency communications during a catastrophic communications failure due to a disaster, manmade or natural that takes out the normal communications network. The FCC is looking at what is referred to as deployable aerial communications architecture or DACA. This system would use balloons, unmanned aerial aircraft, and piloted aircraft to support communications devices. Systems using aerial platforms are not new and have been used for sometime for short term use by the military, civilians, and even amateurs. What is new is the plan to be able to deploy DACA systems on very short notice and be able to use the systems for an extended period while providing a wide range of communications services including broadband. The FCC plans to explore various options with a variety of vendors and I am sure we will be hearing more on this in the next year. Once implemented, if implemented (and I think it will be funded by some grant money), this could further lessen the need to amateur communications during a wide-spread event.

Reminder To All VE's

NBARC will host its next VE session at 0900 on Saturday, October 15 at St. Andrew Lutheran Church. I hope to see a great turn-out.

Bruce N8UTY



Comms/ARES

Thank you everyone that submitted articles for the newsletter. Hopefully I have them all here, if not please let me know

Jerry Jones, KF4ASE, the EC for Onslow County would like to report the 147.000— PL 88.5 repeater is back on line with good reports from Beulaville, Southwest, Surf City , Hampstead, and East of Cedar Point.

Sid has been corresponding with SERA in regards to the Chesapeake repeater that is being heard on the New Bern repeater. Chesapeake has not changed their system in any way and Frank Lynch, W4FAL, is reporting hearing several repeaters in the Raleigh area from up to 300 miles away in the AM hours. With the recent band openings that have been occurred, who knows what we may hear on our repeater.

On Sept 24th I attended the Carteret Amateur Radio Society in Morehead City. Breakfast was all right, but my purpose to be there was talk to the their EC about communication when ARES is activated. Since then, Pamlico County EC has jumped on board which would be very good especially with the events that occurred during Hurricane Irene. Right now the plan is for all three ECs to meet in the near future and hash out a communication plan so that Carteret, Craven and Pamlico can have comms during ARES activation. This was discussed at our last meeting and looks like it is gaining momentum.

Additionally, on Sept 27, John Sprouse, N4VJJ, resigned from his position as the Assistant Section ARES Coordinator. John and Connie have decided to escape the path of future hurricane and move up into colder weather in Philadelphia. John and Connie were both very active in the ARES community and will be greatly missed.

73

Tim KC7DCW

TRIVIA TIME

The plate power input of the final RF amplifier is determined by:

- A— Subtracting the plate current from the plate voltage
- B— Multiplying the plate voltage by the plate current
- C— Adding the plate voltage and plate current
- D— Multiplying the plate voltage by the plate current and subtracting the input grid current
- E— Subtracting the grid voltage from the grid current

Solution to the trivia question and the key for the crossword puzzle will be in the Nov 2011 Edition

| Frequency | date/time | Remarks |
|-----------|-------------|--|
| 3.695 CW | Daily 18:00 | Carolinas Slow (CSN) |
| 3.923 CW | Daily 18:30 | NC Evening Net (NCEN) |
| 3.927 LSB | Daily 07:45 | NC Morning Net (NCMN) |
| 7.268 LSB | Daily 07:45 | Waterway Radio and Cruising |
| 7.177 LSB | Saturday | Jarhead Net (Active, retired, former US Marines and any other interested hams) |

Emergency Nets

| | | |
|-----------|----------------|---|
| 3.907 LSB | Daily 19:00 | NC Emergency Net |
| 3.923 LSB | Monday 19:30 | NC Amateur Radio Emergency Service (ARES) |
| 145.310 | Tuesdays 21:00 | Skywarn |
| 145.450 | Tuesdays 19:30 | Carteret County ARES |

Vintage Ham Radio

Across

- 1. Radio named for a bird
- 5. Lake ___ swing
- 9. An SB-220, very broadly speaking
- 14. Oscar's follower
- 15. In the middle of EME
- 16. Tough, durable wood
- 17. Times past
- 18. Fine tuning, on some vintage receivers
- 20. Presses the upper left key
- 22. They get disqualified in a contest, probably
- 23. Vibroplex manual item
- 24. Iowa ham equipment maker, informally
- 25. Cartoonist Schultz, on CW maybe?
- 26. ___ generator
- 28. A step lower in frequency than Re's
- 29. Proof ender, maybe on CW too
- 32. Meadow sound
- 34. Volatile computer storage
- 35. Four digits of nothing, on CW, for short
- 36. An R-390 on a carrier?
- 41. Part of S.R.O.
- 42. What log entries were often written in, before computers
- 43. Sixty-one-forty-___
- 44. Foxhunt (abbr.)
- 45. Delight
- 46. Pertaining to a point of connection, in a circuit or network
- 50. Base predecessor?
- 51. W2 summer time
- 53. Dir. beaming Billings from Boise
- 54. Bad, if a tire...; good, if SWR...
- 57. Desk Kilowatt maker
- 59. Lots of Hertz, in the early days
- 62. ARRL Op-___ (dupe sheets were #6)

| | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | | 9 | 10 | 11 | 12 | 13 |
| 14 | | | | | 15 | | | | | 16 | | | | |
| 17 | | | | | 18 | | | | | 19 | | | | |
| 20 | | | | 21 | | | | | | 22 | | | | |
| 23 | | | | 24 | | | | 25 | | | | | | |
| 26 | | | 27 | | | | 28 | | | | | 29 | 30 | 31 |
| | | | 32 | | 33 | | 34 | | | | 35 | | | |
| 36 | 37 | 38 | | | | 39 | | | | 40 | | | | |
| 41 | | | | | 42 | | | | | 43 | | | | |
| 44 | | | | 45 | | | | | | 46 | | 47 | 48 | 49 |
| | | | 50 | | | | | 51 | 52 | | | 53 | | |
| 54 | 55 | 56 | | | | | | 57 | | | 58 | | | |
| 59 | | | | | | 60 | 61 | | | | 62 | | | |
| 63 | | | | | | 64 | | | | | 65 | | | |
| 66 | | | | | | 67 | | | | | 68 | | | |

- 63. Receiver maker in HPM's time
- 64. Walk back and forth
- 65. Natural antenna support
- 66. A YL, after getting an X
- 67. Jet-setters' jets, once
- 68. Wisdom says that sometimes it's more

Down

- 1. 20 WPM, 300 Baud, and others
- 2. SP capital
- 3. To AMers it's the scratchy one from Heath
- 4. AMSAT partner
- 5. Glowing remnant
- 6. Effect of 5-down on a hot dog
- 7. Sometimes it's plus sometimes minus
- 8. AR, on CW

- 9. Some amplifiers, starting around 1970
- 10. "Who ___?"
- 11. Part of EAN, CAN, PAN
- 12. Future doc's exam
- 13. Docs of another kind
- 19. Arrangements or organizations - in databases
- 21. Like a ruling in HV-land
- 25. Layer, as with paint
- 27. Pac. div. ARRL sect.
- 28. Their dials are greenish-blue
- 29. Miamisburg, to 28-down
- 30. Maker of 9-down, once
- 31. Serial port pin
- 33. Code proficiency, say
- 35. Extra stable freq. ref.
- 36. Kind of logic gate
- 37. Another kind of logic gate

- 38. What the original ham band is called today
- 39. Linear (but not an amp), briefly
- 40. IN district
- 45. Honored or favored
- 47. Covet, as a big antenna farm
- 48. Collectors' ancestors?
- 49. Contacts (but not QSOs)
- 50. ___ King 500
- 51. VCR button
- 52. Prescribed amounts
- 54. Italy, No. Ireland, in prefixes
- 55. McCartney, Lancelot and others
- 56. Took a 707
- 58. Mfgr. of HRO rcvrs
- 60. Hz, to Hertz
- 61. A step higher in frequency than so's