

New Bern Amateur Radio Club



W4EWN/R

146.610/ 146.010 PL 100 Hz.

444.900 / 449.900 PL 100 Hz.

Volume 27, Issue 9 September, 2004

Website: <http://www.nbarc.org>

Next Meeting -- Thursday, Sept. 2, 2004

6:30 PM at The Berne Restaurant

Program: To be announced

Door prize: To be announced.

FINANCIAL REPORT

Aug. 01, 2004 --- Aug. 31, 2004

CHECKING

Balance: July 31, 2004	\$ 3,212.40
Expenses:	
08/01 UPS Store copies	\$ 50.00
08/09 Prog Nrg	23.37
08/19 Sprint	24.30
Total:	(\$ 97.67)
Subtotal	\$ 3,114.73

Deposits:

Members Dues	\$ 00.00
Total:	\$ 00.00
Balance @ Aug. 31, 2004	\$ 3,114.73

SAVINGS

Balance @ July 31, 2004	\$ 1,404.25
Deposits:	
08/06 Dr Prz	\$35.00
Balance @ Aug. 31, 2004	\$ 1,439.25

GRAND TOTAL; \$ 4,553.98

Charlie, **K4VC**, treas.

In Memoriam

SK - Preston Carawan, **KF4YNK**, passed away suddenly on Sat. AM, 8/28. No details known at this time (8/28 PM)

It is with great sorrow, that we were advised 8/21 of the passing of "Flo" Morton, XYL of Billie, **KE4YMA**

MEETING MINUTES

August 05, 2004

Mac, **WA0ZGL**, opened the regularly scheduled meeting at 6:55 PM, with a word of welcome. The usual self-introductions of the 29 members in attendance followed. He also announced the door prize for the evening a portable printer, donated to the club by John, **KR4ZJ**.

Bill, **K4VHO**, presented an informative slide show on the setup of the **Community Emergency Response Team (C.E.R.T.)** as it exists in the area. Basically, it is a planned system of "neighbors helping neighbors in time of an emergency". The emergency could arise out of any number of events, including vehicular accident causing hazard spills, hurricanes, flooding, or even aircraft

accidents. It is being installed in cities across the country, and is sponsored by **FEMA**. There appears to be an extensive course of study which includes: preparedness, fire suppression, medical (triage) operation, search and rescue. Further class work involves team organization, and simulated tests. Financing for the training and equipment comes from many areas including **FEMA**.

Under the topic of 'old business', Mac reviewed the recent successful Field Day operation. The club operated entirely on battery, and primarily using 5 watts, on CW. He estimated our end score would approach the 6k mark which is a substantial increase. A further note was to the effect that the various wire antennas were going to need some repair or replacement.

Bruce, **N8UTY**, reviewed the **ARES** situation, and our recent brush with Hurricane Alex. The **ARES** revised phone tree plan was put into operation and worked out very well. The **ARES** net on Monday evening had 20 plus check-ins, and on Tuesday AM, over 15. Bruce noted that in the face of an oncoming event; and even if there is no phone contact, the net will be activated at 8:00 PM on the **W4EWN** machine, with a follow-up the next morning at 8:00 AM.

Bruce, Pete, **KA4SXX**, and Preston, **KF4YNK**, on Tuesday proceeded to the Newport Weather Station, and acted as relief operators during the day. They all reported that they learned a great deal from the experience.

Finally, Bruce reviewed the antenna situation at the HJ MacDonald and Brinson shelters. Both locations need some work and upgrading. This will be accomplished in the near future, with the installation of a Ringo Ranger at the MacDonald location, (thanks to the donation of Les, -new call-**N4VC**), and new coax at Brinson.

In speaking of 'new business' Mac reported on an upcoming Carteret County Weather Convention, to be held on August 10, at the Carteret County Community College. The program is free and runs from 5:30 to 9:00 PM. Stanley Kite, Craven County OEM will be one of the speakers.

Jamie, **W4JHK**, announced that a meeting will be held at Ms Sill's Kitchen, 900 Broad St., Oriental, on August 28, at 9:00 AM designed to commence the creation of a Pamlico **ARES** group. He especially invited Fairfield Harbor members to join in the meeting. Ken, **K4KDM**, called attention to **NBARC**'s participation in the Nov. 11 Veterans Day Parade. He reviewed our past involvement, and felt that this years activities will be much the same. More information will be available later in the Fall; however, at this time, operation will be on 146.49 simplex and the operation should be ended by 4:00 PM.

Bruce, **N8UTY**, indicated that we will again be involved in this years **MS-150** Bikathon. He mentioned the need for our communication which is greatly appreciated by the sponsors. This years event will be bigger than last year with 1,000 bikers expected to take part.

Bruce capped the evening by winning the drawing for the door prize.

The meeting was duly adjourned.

Respectfully submitted,

Charlie, **K4VC** Acting Secretary

The ARES Angle

First, I want to say many thanks to all those who participated in our **ARES** net during Hurricane Charley. We did a good job and can feel satisfied with our performance. At this time, I really don't have any suggestions for improvement, although if anyone else does, I will be glad to hear them.

The **MS-150** is just a couple of weeks away. It will be held Sept. 11-12. We have contacted pretty much everyone who has ever taken part in public service to see if they are interested, and are getting a good return. If there is someone else who wants to take part and has not been contacted, by all means get in touch -- there is always room for more.

for now, that's the **ARES** Angle.

Bruce, **N8UTY** Craven County EC

SERA BOARD VOTES FOR MANDATORY TONE

If your repeater doesn't use tone access, don't complain to **SERA** about interference. And if you complain to Riley instead, when he asks **SERA** if you're coordinated, **SERA**'s answer will be a qualified "no".

That's one of the decisions reached by the **SERA** Board at their summer session at a new location in Sevierville, Tennessee in June. The Board also amended their Coordination Policy & Guidelines (CP&G) to make it easier to de-coordinate repeaters that are not on the air, looked for ways to improve the speed and efficiency of coordination, supported the larger (and more expensive) Repeater Journal, and shuffled a few positions., Here are the details.

ALL TONE ALL THE TIME

Mississippi Director Steve Grantham, **AA5SG** moved that **SERA** amend the CP&G's to require tone (CTCSS or DCS) on receive and transmit on all new FM voice

repeater co-ordinations, and on all existing voice repeaters by July 1, 2006 (two years) on all VHF/UHF bands.

In discussion, Board members asked what would happen if a repeater owner chose to continue to operate without tone. Would they be automatically de-coordinated? The answer was "no, but...." SERA would not entertain an interference complaint from the owner of any repeater who chose to remain carrier access.

Some repeater owners experiencing interference from a co-channel neighbor by-pass **SERA** and send a complaint directly to Riley Hollingsworth at the FCC. Hollingsworth usually asks the owner if the repeater is coordinated, and verifies that with an inquiry to the coordinating body (**SERA** responds to several such inquiries each year). In this case, **SERA**'s reply would be that the repeater has been coordinated, but that the owner chose to operate outside the conditions of coordination by not using tone access. **SERA** would expect that to be interpreted as a "no".

A few **SERA** staffers wanted to point out that tone was not a cure-all for repeater interference problems. Tennessee Assistant Director Tim Berry, **WB4GBI** discussed the time and expense involved for a repeater owner who had several repeaters that were not already set up for tone. He also noted that tone did not really solve problems, it only masked them. A strong enough interfering signal would not key up a tone-access repeater, but it would still degrade or block signals on the input. Repeater Journal Editor, Gary Pearce, **KN4AQ** commented that tone was "traveler hostile" - that is, someone driving cross-country has a hard time keying tone access repeaters.

He discusses it more fully in his editorial, later in the Journal. From the SERA Journal, Aug.2004, Page 5

12 September 2004

The date above is very important. ENC Repeater Assoc., inc. will meet at Shevans Park in Morehead City. We will eat about 1:00 pm and hope that you can come a little earlier.

We will be having barbecue cooked by Mac, WD4CTC, and if you came last year, you know how good it was. As before, the members will be bringing the accompanying dishes and that's where you all need to get in touch with me. Please let me know what you can bring so we don't have all desserts. The club will furnish the plates, cups, napkins, eating utensils, etc. If I see that we have too much of something, I may ask you to bring something that we do not get enough of.

Please let me hear from you as soon as possible,
73, Jean, **KB4OHX**

SWAP SHOP

For Sale "FREE", 3600 watt generator mounted on balloon tires. See Mac, **WA0ZGL**.

The following items are FOR SALE from the estate of W4WER. The sale is for the sole benefit of the widow.

Price	Description
10	Rad/Shk Field Strgth/SWR, 1000 watts, 3-30 mhz
20	Rad/Shk Digital Signal Processor
7	Rad/Shk 4x5 inch speaker, Mod. #4A6, w/bracket
60	MFJ Versa Tuner, Mod. #948
7	MFJ 10" wall clock, battery, Mod. #105-C
25	MFJ Antenna Tuner, Mod. #16010, 200 watt
15	KDK, 2 mtr mobile, bracket, mike, pwr. cord, mnl.

Antennas:

15 Hamstick, M#9120, 20 mtrs, w/tip, quik disconnect

2 mtr mag mounts:

7 1/4 wave, cable, PL-259

7 5/8 wave, ANTECO, extended cable, PL-259

7 5/8 wave. MFJ #1278, cable, PL-259

15 Sony Speaker, M#22122A, 8 ohms, 7 watts

20 Unmarked Speakers, 3-pc set, blk w/silver trim

400 Yaesu, 747GT, manual, pwr cord, Mike, Mod.#100ADX

Call Charlie, 633-3178 for further details and to arrange inspection at meeting.

Charlie also has some other items available, call for details.

WANTED: Will buy tubes & parts for use in getting & keeping tube eqpt going. Will help anyone who wants to get tube type equipment working and on the air (I work free, or for junk). Al, **W8UT** anchor@ec.rr.com or 636-0837

Here's an interesting link passed on by MJ, **NP2AZ**

http://beradio.com/features/radio_today_radio_history/

ARRL Seeks Comment on Draft "Bandwidth"

Petition

A synopsis by Jim Hanlon, **W8KGI**:

They are asking ARRL members for comments before they present it to the FCC. Plus features of interest to members of this group in my opinion include retention of sufficient bandwidth for AM phone. They are also proposing a maximum 200 Hz bandwidth for the bottom 80 kHz of 80 meters, the bottom 35 kHz of 40 meters, the bottom 20 kHz of 30 meters, the bottom 65 kHz of 20 meters, the bottom 80 kHz of 15 meters, and the bottom 50 kHz of 10 meters. (Plus allocations on 18 and 24 mHz that I didn't write down.) That is of course meant to accommodate CW and narrow-band digital modes. I have no idea what they intend for the present Extra-Class-only CW bands.

NEWINGTON, CT, Aug 25, 2004--The ARRL wants members' comments on a planned petition to the FCC seeking to regulate amateur subbands by bandwidth rather than by mode. The ARRL Board of Directors adopted the petition's guiding principle at its July 2002 meeting and wrapped up its review of a draft petition late last month.

"The main objective is to make appropriate provision for digital modes in the HF amateur bands, while preserving amateurs' prerogatives to use the traditional modes," said ARRL CEO David Sumner, K1ZZ. "Regulation by Bandwidth" is the title of Sumner's "It Seems to Us . . ." [editorial](#) in the September issue of *QST*.

"The regulation of emission modes in Amateur Radio Service allocations is a limiting factor with respect to Amateur Radio experimentation," a synopsis of the petition concludes. "It leads to attempts to put new technology into a regulatory framework that was designed only to deal with older analog emissions." In order to implement digital technologies, an underlying assumption in the League's draft petition is to provide for an intermediate bandwidth--between what's needed for the legacy CW and 'phone modes--in the middle of certain bands.

As drafted, the ARRL's bandwidth petition would preserve double-sideband AM unchanged, but it would stop short of opening the 'phone bands to digital and other modes of the same bandwidth. Sumner notes in his September *QST* editorial that a 1970s attempt by the FCC to shift to a regulatory scheme based on bandwidth failed in part because it would have outlawed modes such as double-sideband AM in the HF bands.

FCC rules now permit RTTY and data emissions throughout the HF "CW subbands," "It is only through compliance with 'gentlemen's agreements' that RTTY and data signals are not heard in the parts of the band that are generally used for CW," Sumner noted. The ARRL's

petition proposes rules to limit bandwidth in the "CW subbands" to 200 Hz. An ARRL analysis in the 1980s showed that 150 Hz is an adequate bandwidth for CW, based on rise and fall times of 5 ms. A 200-Hz bandwidth also will accommodate data modes such as PSK31.

In addition, the League's proposal would limit bandwidth in the existing "RTTY/data subbands" to either 500 Hz or 3 kHz, with 'phone emissions specifically prohibited in certain subbands where 3 kHz would be permitted. Under the proposal, these would include 3650-3725, 7100-7125, 14,100-14,150 and 21,150-21,200 kHz.

"The reason for this is to encourage the development of higher-speed data communications in these subbands by preventing them from becoming *de facto* 'expanded phone bands.'" Sumner explained.

The new proposals take into account the ARRL's prior "Novice refarming" petition to expand some HF 'phone bands, included in the FCC *Notice of Proposed Rule Making* in WT Docket 04-140.

Sumner points out that amateurs wouldn't have to be able to measure the bandwidth of their signals. "The proposed bandwidths are more than sufficient for 'clean' signals using the traditional HF modes," he said. "Measurement would only arise as a potential problem for those who try to push the edge of the envelope." The Amateur Radio Service has had regulation by bandwidth for certain data operations for many years, Sumner noted, without any "great debate" over whether a particular signal was legal or not.

from ARRL website, portions edited out.

to see full text:

<http://www.arrl.org/news/stories/2004/08/25/1>

HAM RADIO "ONLY RELIABLE COMMUNICATION" AT HURRICANE CHARLEY GROUND ZERO

The ARRL Letter August 20, 2004

Once again, Amateur Radio has proven its value in an emergency. With conventional telecommunication systems unreliable and power still out after the Category 4 Hurricane Charley blasted across the Florida Peninsula August 13, Amateur Radio has proven to be a communication mainstay.

"The only reliable communication we have here is Amateur Radio," ARRL West Central Florida Section Manager Dave Armbrust, AE4MR, told ARRL earlier this week. He was one of the three dozen ARES

volunteers at the Charlotte County command post. "We're out in the field trying to handle so many different things that it's almost overwhelming," he said five days into the activation.

By week's end, the need for additional ARES volunteers in the Hurricane Charley relief and recovery effort had stabilized. Communications and Warning Officer John Fleming, WD4FFX, of the Florida Division of Emergency Management (FDEM) told ARRL that ham radio volunteers already on duty in the five most severely affected counties were holding their own in maintaining necessary emergency communication. But he advised Amateur Radio volunteers to remain at the ready, just in case, and recommended that ARES teams, clubs and individuals work through their ARES Section Emergency Coordinator.

Hamfests

Sept. 4 - 5 – Shelby, NC. John Ledford, W4JL
Phone: 704-462-4910 Email: w4jl@shelby.net

<http://www.shelbyhamfest.org>

to see an old pic, marked where your editor will be:

<http://www.virhistory.com/ham/photos/shelby3a.jpg>

The **ARRL Roanoke Division Convention** will be held in Virginia Beach on **September 18 - 19, 2004** at the Virginia Wesleyan College. The convention will be open from 9 AM to 5 PM on Saturday and from 9 AM to 3 PM on Sunday.

E-Mail inquires can be sent to hamfest@exis.net
There will be persons on had to check QSLs for DXCC, WAS, VUCC and CQ Awards.

For tickets and table requests, contact Lynn Lilla, W9DJQ at 757-479-1597 and dealers contact Lewis Steingold, W4BLO at fax 757.486.0757. The web site for the convention is <http://www.vahamfest.com>.

Oct. 10 – Maysville It's not too early to mention this nice one. Contact: Byron Highland, K4BMH Phone: 252-753-2895, Email: bhighland@greenvillenc.gov

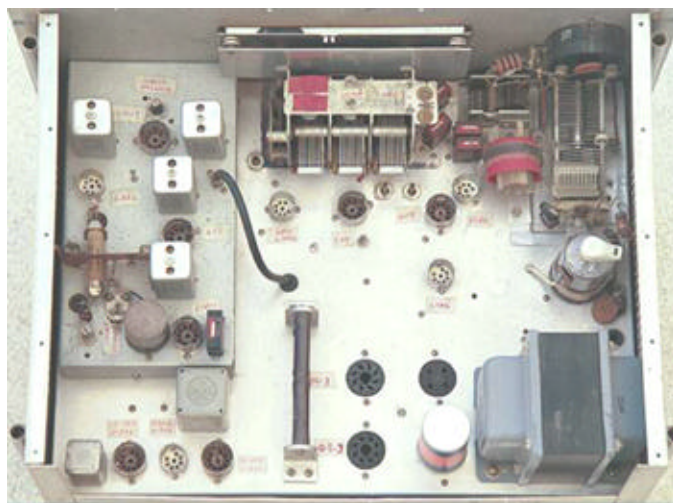
ARRL Goes to Bat for Arizona Amateurs,

Seeks BPL Field Trial Shutdown

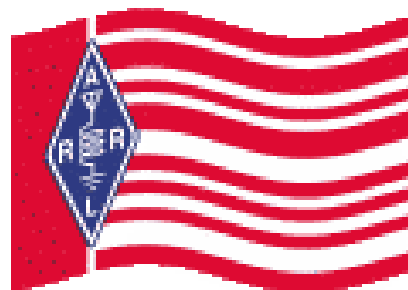
(Aug 17, 2004) -- The ARRL has asked the FCC to immediately shut down a broadband over power line (BPL) field trial in the Cottonwood, Arizona, area because it's causing "severe interference" to Amateur Radio communication. Electric Broadband LLC and utility APS have been operating the BPL experiment at two Yavapai County sites since June under a Special Temporary Authorization (STA) the FCC granted to Electric Broadband in March.

see full story at:

<http://www.arrl.org/news/stories/2004/08/17/2/>



Homebrew 5-band SSB Transmitter built by K8EOP ca.1960
now in W8UT's 'collection'



Cast of Characters:

President: Mac Eutsler, WA0ZGL
Vice President: Pete Koonce, KA4SXX
Secretary: Ray Hemphill, W7OPH
Treasurer: Charlie Gould, K4VC
Communications: Bruce Arnold, N8UTY
Trustee: Tommie Phelps, WA4EME
Assistant Treasurer: Ralph Bitely, N4RAB
Program Chairman: A. Nonny Mouse
Public Service/Photog: Bob Chamberlain, W2HVX
Emergency Communications: Bruce Arnold, N8UTY
Assistant Em. Comm.: Dave Warwick, KB4EBT

Selected Local Nets

Club Net Manager: Billie Morton, KE4YMA
Craven County ARES: 146.61 MHz, 2000 before threatening wx;
monitor during ARES activations
Waterway Radio Cruising Club: 7268 kHz, 0745 daily
Fairfield Harbor Cruising Net, 7224, 0730 M-F
NC Morning Net: 3927 kHz, 0745 daily
Carolina Slow Net (CW): 3715kHz, 1800 (5wpm) daily
Coastal Carolina Emergency Net: 3907 kHz, 1900 daily
Carolinas Net (CW): 3573 kHz, 1900 (25 WPM), 2200 (12-15) WPM
daily
Carteret County ARS/ARES: 145.45 mHz, 1930 Tues./ Emerg
Traffic handling 1st Tues. after 4th Sat., monthly
NBARC Traffic: 146.61 mHz, 2000 Tuesdays
Skywarn: 145.21 mHz, 2100 Tuesdays
ENC Emergency: 146.685 mHz, 2100 Thursdays
ENC Traffic: 146.685 mHz, 2030 daily
NBARC Ragchew: 146.61 mHz, daily, after ENC Traffic closes

New Bern Amateur Radio Club

<http://www.nbarc.org>

P.O. Box 12483 New Bern, NC 28561-2483

The Newsletter Team:

Al Parker, W8UT, Editor
Charlie Gould, K4VC, Data Base/Labels/P.O.mail
Bob Chamberlain, W2HVX, graphics & photography

The NBARC Newsletter is the newsletter of the New Bern Amateur Radio Club, Inc., PO Box 12483 New Bern, NC 28561. NBARC is an affiliated club with the ARRL and ARES. Any inquiries, comments, items for Swap Shop, suggestions, contributions, and letters for inclusion should be sent to the editor, W8UT, at e-mail: anchor@EC.RR.com