



HAM CHATTER



Amateur Radio
"only fail-safe system"
of communication
K4ZDH



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Hurricane Watch Net Ramps Up to "Catastrophic Response Mode" for Matthew

Active for the past 2 days in response to the threat posed by Hurricane Matthew, the Hurricane Watch Net (HWN) now has ramped up to Alert Level 5 — "Catastrophic Response Mode." Matthew made landfall near Les Anglais in western Haiti at 1100 UTC. The HWN focuses on eliciting real-time "ground truth" weather information and data from storm-stricken zones to assist National Hurricane Center (NHC) forecasters.

As the dangerous category 4 storm has begun battering Haiti and threatens eastern Cuba, states along the US Eastern Seaboard now have begun to take serious notice. Emergency operations centers in Florida, Georgia, and Virginia are at full or partial activation, and the governors of Georgia and North Carolina have declared states of emergency.

A hurricane watch now is in effect from Deerfield Beach, Florida, to the Volusia/Brevard County line. A tropical storm watch is in effect from the Seven Mile Bridge in the Florida Keys northward to south of Deerfield Beach, including Lake Okeechobee. According to information reported to the HWN, the Red Cross plans to open evacuation shelters from Vero Beach to Miami starting at noon ET on October 5.

A topical storm warning for Jamaica has been discontinued.

Operating with announcements and traffic in both English and Spanish, the HWN is active on 14.325 MHz and will operate on that frequency and on 7.268 MHz, its nighttime frequency for as long as necessary. If propagation dictates, the net will operate on both frequencies simultane-

ously. HWN Manager Bobby Graves, KB5HAV, has directed those seeking to pass health and welfare traffic to the SATERN Net on 14.265 MHz. SATERN operators also will monitor the HWN as well as the Maritime Mobile Service Net (MMSN) on 14.300 MHz while propagation lasts.

Graves said the HWN will remain in continuous operation until further notice to gather real-time weather data from the affected zones. The net also will provide backup communication to responding agencies, including emergency operations centers and the Red Cross.

National Hurricane Center station WX4NHC has activated and is participating in the HWN operation as well as on 3.815 MHz. The VoIP Hurricane Net, supporting the NHC activated on October 3 on the WX-Talk Conference, Node #7203 on Echolink and IRLP Reflector 9219. IRLP Reflector 9553 is the backup. This net will also be analyzing social media from the impacted areas and Internet website data from sites such as the Caribbean Hurricane Network.

As of 1800 UTC on October 4, Hurricane Matthew was reported to be about 65 miles east-southeast of Guantanamo, Cuba, and about 55 miles south-southwest of the eastern tip of Cuba. The National Hurricane Center has clocked the storm's maximum sustained winds at 145 MPH. The storm is moving north at 10 MPH.

- via ARRL (<http://bit.ly/2dApl4H>)

Next Meeting October 11, 2016

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM on **Tuesday, October 11**, at VFW Post Home 7032 on 1108 Mumford Road in Greenville. The program will be by **Robert Young**, NC4RY, founder, designer and technical support for the screwdriver Tarheel Antennas.

All members, families and guests are invited to attend.



Robert Young — NC4RY

BARC Board Meeting

The next board meeting will be Tuesday, Oct 25th at 7:30 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

BARC Tech Class Meets

The first BARC Tech class started October 1 at the **Oakwood School**. The students are David Moody (L) and Craig Schroors with Instructor **Terry Monday, K4ZYD**, standing. Four more classes on Saturdays in **October from 9 AM to 12 Noon** will be taught. Also the BARC trailers were there for

demo and also doing some work on them. Other club members there were Peter Van Houten, **KG4WEZ**, Doug Ferris, **K4ROK**, Bernie Nobles, **WA4MOK**, Jeff Meyer, **K4DKW**, and Dave Wood, **W4EJ**. Picture by **W4YDY**



Next VE Session

The next Brightleaf Amateur Radio Club VE session will be held **Tuesday, Oct 18, 2016** at the VFW Post Home 7032 on 1108 Mumford Road and will start promptly at 6:30 PM. Email VE Liaison at **ve @ w4amc.com**. Walk-ins welcome.

Please bring the following **required**:

- ◆ **Photo ID** (drivers license)
- ◆ **Original Amateur Radio License**
- ◆ **Copy of Amateur Radio License**
- ◆ **Original CSCE's**
- ◆ **Copy of CSCE**
- ◆ Test fee is \$15.00 .
- ◆ Proof of Tech Plus if before 3/21/87 and doing paper upgrade to General.
- ◆ SS Number will be needed if you don't have an FRN number. *

* **More info at** <<http://www.w4amc.com/barcinfo.html#VE>>.

NC ARES Internet

<http://www.ncarrl.org/ares/>

Pitt County ARES
EC needed!



In This Issue

Hurricane	1
BARC Tech Class	2
Yakkey-Dee-Yak from Dave	3
JOTA Update	4
“Air GIG” Update	6
Meeting Minutes	6
HAM Turns 108	7



Happy Birthday

Brightleaf Amateur Radio Club members birthdays in **September**.

07 KI4BYU Elizabeth Ballenger
28 K4BMH Byron Highland
31 K4ZYD Terry Monday

Well Wishes

Thoughts and Prayers go out to the following:

Charlie Wells, K4SKI

Please inform Gerry Clayton, **K4IDD**, [gclayton4 @ suddenlink.net](mailto:gclayton4@suddenlink.net) of any changes.



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More than 200 US Stations Signed Up for Scouting's Jamboree on the Air

So far, 219 US stations have registered to take part in Scouting's 2016 Jamboree on the Air (JOTA), which will take place October 14-16. Registration remains open for the 59th annual event. Last year, 400 US stations registered. JOTA officials are asking JOTA 2016 participants not only to register for this year's event, but to follow up with a post-JOTA report.

"We expect to have several thousand stations around the world signed up by JOTA weekend," JOTA Coordinator Jim Wilson, K5ND, said in a JOTA-JOTI (Jamboree on the Internet) update. "Make sure you register your station." Designated Scouting frequencies are on the "Guidelines for Amateur Radio Operators" page. "Twenty meters is probably the go-to band during the



daytime. Try moving off the calling frequency and spreading out while making those QSOs." Wilson said that in addition to the DX spotting websites, there's a Scout station spotting cluster.

He also suggested taking advantage of other communication modes, including the dedicated D-Star Scouting reflector 033A, as well as DMR, IRLP with topic channel 9091, and Echolink, with conference node JOTA-365. Doug Crompton, WA3DSP, and Elliott Liggett, W7QED,

have set up Allstar node 41760 for JOTA/Scouting conversations, Wilson added. In addition to social media, Scout-Link is an excellent way to connect to Scouts around the world with only an Internet connection, he said.

"Dave Edwards, KD2E, and Andy O'Brien, K3UK, have developed a Scout scheduling page," Wilson said. "You can use this to post your frequency and to pick up on other stations as well."

More than 1 million Scouts in 150+ countries — at nearly 18,000 stations — are expected to take part in JOTA 2016, engaging with other Scouts to talk about Amateur Radio and their Scouting experiences. "JOTA is about conversations across town and around the world, rather than about contacts," Wilson said.

- via ARRL (<http://bit.ly/2dTXoix>)

Amateur Radio Technician License Classes in October

The Brightleaf Amateur Radio Club will hold Amateur Radio Technician License Classes at The Oakwood School, 4000 MacGregor Downs Rd., Greenville, NC 27834. The classes will be held on five Saturday mornings on October 1, 8, 15, 22 and 29 from 9 AM

to 12 Noon.

An exam session for Amateur Radio license is planned for the last session on October 29. For more information on exam requirements, go to <http://www.w4amc.com/barcinfo.html#VE>.

Although the first class will be past by the time this is printed in Ham Chatter, you can start in the next class on October 8. For more information, contact Jeff Meyer, K4DKW.

Email jeffreymeyer55@gmail.com or phone 252-717-9442

Ham Ads

Ham Ads will be run, **free of charge** in Ham Chatter for three months for each renewal. Ads must be received by the last week of the month to be included in the following issue. Send ads to: **Ham Chatter, PO Box 8387, Greenville, NC 27835, ATTN: Joe Jean-sonne** or email to: hamchatter@w4amc.com(no spaces)

For Sale: Icom 7000, with a 7 inch video display, including box. \$875. Bernie, WA4MOK. Ph 252-531-4112 or wa4mok@embarqmail.com.

For Sale: Icom 756PROII including switching 30A power supply with cables. No mic. Reduced to \$990. Dave, W4YDY. Ph 252-341-1733 or w4ydy@arri.com.

For Sale: Yaesu VR-5000 All Mode Communications Receiver. \$300. Covers 0.1 to 3000 MHz. Yaesu price was \$995. Contact Vern at Batteries Plus Bulbs for more info. 252-353-8143 or bp167@batteriesplus.net.

For Sale: Ten Tech Argonaut with P/S Call Scott Worley, KA4DMW, for details @ 252 752 6788/1405 Brownlea Dr., Greenville, NC 27858

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Mike Langley
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AT&T's New "AirGig" Not Your Father's BPL

Recalling the earlier efforts of the FCC and telecommunications and utility interests to roll out "Broadband over Powerline" (BPL), the Amateur Radio community has been buzzing with questions about AT&T's just-announced "AirGig" BPL plan to make broadband available via apparently similar technology. ARRL's earlier anti-BPL campaign, and market forces, eventually led to the demise of the prior BPL initiative. ARRL Laboratory Manager Ed Hare, W1RFI, who spearheaded the earlier effort to quantify BPL's threat to Amateur Radio's HF spectrum and remains the resident expert on the subject, said this newest BPL incarnation should not pose an interference issue for radio amateurs.

"This technology uses millimeter-wave RF signals (30 GHz to 300 GHz) coupled onto the surface of power lines to transmit the signal along the line with relatively low

losses," Hare explained. "After looking at this technology, it looks nothing like the type of HF and VHF BPL that caused us so many problems years ago. The sky is not falling."

Hare added that it is not likely that the AT&T technology will even use Amateur Radio bands, so there is little reason for concern even among those amateurs who use spectrum above 24 GHz.

According to AT&T's September 20 announcement, the company is "deep in the experimentation phase" of the developing technology, which it says would be "easier to deploy than fiber, can run over license-free spectrum, and can deliver ultra-fast wireless connectivity to any home or hand-held wireless device." AT&T said its initial — and continuing — testing at AT&T outdoor facilities "has been positive," and

initial field trials are set to begin in 2017.

Hare said the technique of putting RF signals onto the surface of conductors is not new. An article by Glenn Elmore, N6GN, and John Watrous, K6PZB, appeared in the May/June issue of QEX, describing the technique. In January 1953, the Proceedings of the IRE featured an article by C. E. Sharp and G. Goubau, "A UHF Surface-Wave Transmission Line," and the Radio Amateurs VHF Manual 11th edition introduced the technique to amateurs in 1968.

Hare said the League will keep an eye and ear out for interference problems, but he believes that the frequencies involved and the fact that these signals should not propagate far from the lines will pose little risk to the Amateur Radio Service.

-via ARRL (<http://bit.ly/2d1UjvU>)

BARC Regular Meeting Minutes—September 2016

BARC SEP 13 MINUTES

Peter, KG4WEZ came by with the ARES trailer and discussed it before, during and after the meeting, which was a topic of real interest. Kudos again to Peter for his hard work. The club voted to replace the coax switches in the trailer with Alpha Delta units. Bernie, WA4MOK, will donate new RG8X for trailer use. Peter is still working on its completion and has the tires, and a few other items remaining. Jeff, K4DKW gave him the new ARRL high visibility reflective safety vests for storage there.

The treasurer's report was given and noted.

Batteries and Bulbs presented a 1 hour discussion on batteries and other related topics. There were many questions asked and new things learned.

The November meeting will be on Election Day, Jeff will look into getting the VFW hall for Nov 15th to accommodate a (delayed) meeting.

Officers will be elected at the October

meeting. Jeff will run for reelection as President, Terry, K4ZYD will run for treasurer, Pat Williams, KG4NSC and Byron Highland, K4BMH have stepped up to be board members for 2017,

Dave Wood, W4EJ is nominated for 1st VP and Albert Sanchez, WA7FXB volunteered for Secretary.

Oakwood School:

The antenna parts have arrived, been inventoried and the tentative schedule for installation is Saturday, Sep 17th, at noon with 4PM Sun as a back-up time.

Doug, K4ROK mentioned the need to clean up the VOA site C for the NC QSO Party. He mentioned it as a possible Scout project. Doug was to pick a date and we'll do what is needed i.e. access to feedlines, check out the rhombic antennas, evaluate the condition of equipment and get it done in advance of the Winter season.

The President expressed to everyone

the need to find groups to visit the trailer. Byron has access to several Boy Scout troops and will investigate the JOTA program, ARES trailer visits, and other opportunities.

BARC members were reminded of Tech classes Oct 1-29, (Saturdays) at Oakwood School.

BARC trailer: Six new totes are on order with an ETA of 9/15. We will then reorganize the trailer.

Other items of interest mentioned were:

BARC shirts and pins, bringing John Cole (Newport National Weather Service) to the Oakwood School for SKYWARN training for the kids. The VOA tubes have been acquired and will be sold for the club.

Minutes by Jeff Meyer, transcribed and relayed by Bob Hanrahan, (Secretary)

Retired Librarian Who Was Maine's First Woman Radio Amateur Turns 108

Mary Cousins, ex-W1GSC, who was the first woman in Maine to obtain an Amateur Radio license, celebrated her 108th birthday on September 20. Now a resident of a care facility in the coastal fishing village of Deer Isle, Cousins was treated to a party complete with a cake decorated with images of local newspaper articles from 1908, the year she was born. The confection also bore an image of her 1933 "Amateur First" radio license — issued to Mary Sibyl Wallace, her maiden name, by the old Federal Radio Commission, when Cousins was 24. The FCC came into being the following year. Cousins' old call sign has since been reissued at least once. Cousins said she operated Morse, although she does not remember the code anymore, and used to relay weather information in that mode.

Four generations of her family attended the celebration. Cousins, a native of nearby Stonington, Maine, worked as the town's li-

brarian, a school bus driver, and a telephone operator. She said she never stops learning new things. Cousins told Bangor TV station WFVX that ham radio in the 1930s "was something that the girls did not do, and the boys were all doing it at the time, and I said, 'I can do it too.' And I did." Her cake also bore images of Stonington as it looked in 1908, when Teddy Roosevelt was the US president. Enlivening the party were 108 balloons and live piano music. Cousins received and read cards from many well-wishers, including US Sen Susan Collins.

Her son John told WFVX, "When she decides she's going to do something, she's going to do it. I think 100 was going to be the goal. She wanted to reach 100. She did. And then she said, 'Well, might as well go for 105.' I think she's working on 110 now."

-via ARRL (<http://bit.ly/2dUy0OP>)



NETS VHF/UHF

- ◆ BARC Net, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.
- ◆ Newport SkyWarn Tues. nights 2100E Grifton-146.685-88.5 tone Newport-145.450.....
IRLP 8561 links to Columbia Jacksonville-147.000- 88.5 tone Oriental-147.210-151.4 tone 444 Newport-444.825- 88.5 tone Swansboro-146.760- 88.5 tone
- ◆ Grantsboro-145 230 - 85.4 tone.
- ◆ Kinston Amateur Radio Society Net, 1,3,4 Tuesdays, 2000 hrs. on 145.47 MHz., W4OIX repeater in Kinston.
- ◆ Eastern North Carolina Traffic Net, Every night, 2030 on 146.685 MHz.
- ◆ Wilson Amateur Radio Club Net, Thursdays @ 2000 on 146.76 MHz.
- ◆ Piedmont Coastal Traffic Net, Nightly 2030 on 146.88 MHz.
- ◆ Carteret County ARS (CCARS) Emergency Net, Tuesdays, 1930 on the Newport 145.45 (-) MHz.
- ◆ Coastal Emergency Linking Net, Wednesday, 2100 ET on Ahoskie 145.13, Buxton 145.15, Columbia 146.835 & 443.30, Elizabeth City 146.655, Greenville, 145.35, Hertford 147.33, Williamston 145.41 & 444.25

HF

- ◆ Tar Heel Emergency Communications Net on 3923 kHz Nightly 1930.

NTS CW Nets

- ◆ 3.571 2000 hours, slow speed (5-8 wpm) Carolinas Slow Net
- ◆ 3.573 1900 hours, high speed (20 wpm)
- ◆ 3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina

Greenville repeaters

147.09/69 - 145.35/144.75

444.8/449.8

All use 131.8 tone

BARC CALENDAR OF EVENTS

Sep 13 Regular Meeting
 Sep 24/25 CW WW RTTY DX Contest
 Sep 26 Board Meeting
 Oct 9 Maysville Hamfest
 Oct 11 Regular Meeting
 Oct 18 VE Exam
 Oct 25 Board Meeting
 Oct 29/30 CQ WW SSB DX Contest
 Nov 5/6ARRL CW Sweepstakes
 Nov 15Regular Meeting
 Nov 19/20ARRL SSB Sweepstakes
 Nov 26/27CQ WW CW DX Contest
 Nov 29Board Meeting
 Dec 3-4ARRL 160 Meter Contest
 Dec 10-11ARRL 10 Meter Contest
Dec 13BARC Christmas Party

Dec 20VE Exam
 Dec 27Board Meeting

Regular Meeting - 2nd Tuesday @ 7:30 PM
 Board Meeting - Last Tuesday

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone
 BRIGHTLEAF AMATEUR RADIO CLUB STATIONS

W I V O A - W 4 A M C - W 4 U H S



**OCT 2016
 Next Meeting
 Oct 11, 2016**

To:



Ham Chatter
 Brightleaf Amateur Radio Club
 PO Box 8387
 Greenville, NC 27835