

Ham Chatter



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September 2015

Editor, Joe Jeansonne, WB4JOE

Email: jljeansonne775@my.pittcc.edu

Chinese Amateur Radio Satellites Set to Launch in Early September

China's Amateur Satellite Group CAMSAT said this week that nine satellites carrying Amateur Radio payloads have been delivered to the Taiyuan Satellite Launch Center in Central China. CAMSAT CEO Alan Kung, BA1DU, said they're expected to launch between September 7 and 9.

All are part of the CAS-3 series of satellites. Four of the microsatellites and two of the CubeSats included in the launch have been designated as the XW-2 (Hope-2)

amateur satellite system (XW-2A through XW-2F), although Kung also refers to them using their initial CAS-3A through CAS-3F nomenclature. The other three satellites — a CubeSat, a nanosatellite, and a picosatellite, carry the designations CAS-3G through CAS-3I, respectively. CAMSAT announced earlier this year that the launch date would be postponed from mid-July until early September.

"Each satellite of the CAS-3 series will work independently, and they are made by different organizations," Kung told ARRL.

The XW-2 series satellites are equipped with substantially identical Amateur Radio payloads — a U/V mode linear transponder, a CW te-

lemetry beacon and an AX.25 19.2k/9.6k baud GMSK telemetry downlink, CAMSAT said in May. Each Amateur Radio complement has the same technical characteristics, but will operate on different 70 centimeter uplink and 2 meter downlink frequencies. XW-2A through XW-2F have

identical quarter-wavelength deployable monopole whip antennas made of steel tape. CAMSAT worked with three entities to complete the other three satel-

lites: CAS-3G (DCBB), a 2U CubeSat being built by Shenzhen HIT Satellite Ltd of China for educational purposes; CAS-3H (LilacSat-2), a Harbin Institute of Technology of China microsatellite for science experiments and Amateur Radio, and CAS-3I (NDT-Phone Sat), a National University of Defense Technology of China picosatellite for carrying out technical experiments. CAS-3G and CAS-3I will downlink digital telemetry on amateur frequencies, while CAS-3H will carry a U/V FM transponder and APRS. Kung said a Long March-6 rocket will carry the XW-2 and CAS-3 satellites into orbit along with 11 other satellites.

— via ARRL (<http://bit.ly/1PXSGO7>)



Next Meeting - Sep 8, 2015

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM on Tuesday, September 8, at VFW Post Home 7032 on 1108 Mumford Road in Greenville. The program will be high frequency (HF) radios presented by Bernie Nobles, WA4MOK. All members and guests are invited to attend.



Bernie Nobles, WA4MOK

Next Board Meeting Sep 29, 2015

The next board meeting will be Tuesday, September 29 at 7:30 PM at the Offices of Monday & Monday, (CPA), suite D, East Victoria Court. All members invited.

FCC Proposes Bumping Arizona Radio Amateur's License Back to Former Call Sign

The FCC has told an Arizona radio amateur who was granted a vanity call sign within the 2 year waiting period on the basis of being a close relative of the previous holder that the relationship cited was not close enough. The FCC Wireless Telecommunications Bureau (WTB) on August 26 proposed to modify the license of Joshua A. Babb, W3JB, of Maricopa, Arizona, to reflect his previous call sign, KD7HLX. The prior holder of W3JB, John K. Birch, had died, and the FCC canceled the license on August 17, 2012. Barring exceptions to the 2 year waiting period, this meant the FCC would not accept applications for W3JB until August 18, 2014. Babb applied for W3JB on June 21, 2014, however, indicating that he was Birch's nephew, and the FCC granted the request on August 8, 2014.

The WTB's Mobility Division became skeptical, however, since Babb had earlier filed four other vanity applica-

tions seeking various "JB" suffix 1 x 2 call signs, including W3JB. All were dismissed, either because they fell within the 2 year waiting period or the FCC had already randomly selected a competing application. Responding to the Bureau's request to document his relationship to the deceased former holder of W3JB, Babb replied that Birch was his "grandfather's mother's brother." "Mr. Babb's response to the Division's inquiry indicates that Mr. Birch was his great-great uncle," the FCC said. "This does not exempt Mr. Babb from the 2 year waiting period for call sign W3JB. The exemption applies only to specified close relatives. The relationship claimed by Mr. Babb is too distant to qualify."

The Division concluded that granting Babb the call sign W3JB was improper and proposed that modifying Babb's license to replace W3JB with KD7HLX, his former call sign, would be appropriate. The WTB will not issue a modification order, however, until Babb has been notified of the proposed action and has had an opportunity to file a protest, which he must do in writing within 30 days. -via ARRL (<http://bit.ly/1PXUUGj>)



Happy Birthday

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

01	KC4ROR	Rose Wainwright
01	KG4NSC	Pat Williams
05	KQ2V	Br. Simon Jaworski
06	KD4MTT	Mike Langley
07	KG4ZVM	Brad Brechtelsbauer
08	N4JNC	Joseph Swigert
14	WA4DAN	Murray Adams
20	W4FA	John Schultz
24	ex-W4OZV	Hassell H. Bailey
26	KC4HHW	Billy Elks
29	WA7FXB	Albert Sanchez
29	KC3X	Hollis Thigpen

Additions or corrections to **WB4JOE**

Well Wishes

Thoughts and Prayers go out to the following:

Charlie Wells, K4SKI

Tom Parsons, W4TEP

Please inform Gerry Clayton, **K4IDD**, gclayton4@suddenlink.net of any changes.



Aug 2015 BARC VE Session Results

One candidate came to the August 18, 2015 BARC VE session and she was successful. **Lisa Tankard**, Washington, passed the Technician exam. Her new call sign, **KM4MXL**, was granted on August 26, 2015 by the FCC.

Congratulations, Lisa!

The VE's that attended were VE Liaison Steve Horne II, KB5B, Morris Lewis, AK4MU, Thomas Styron, KB7L and Dave Langley, W4YDY.

NC ARES Internet

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

Pitt County ARES

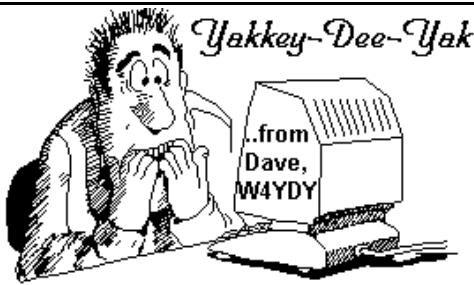
EC needed!



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PUBLISHED MONTHLY BY THE BRIGHTLEAF ARC, P. O. BOX 8387, GREENVILLE, NC 27835 * NON COPYRIGHT MATERIAL CONTAINED HEREIN MAY BE REPRINTED WITHOUT PRIOR PERMISSION WITH CREDIT GIVEN TO THIS PUBLICATION * **PRESIDENT** - TERRY MONDAY, **K4ZYD** * **FIRST V. PRESIDENT** - GERRY CLAYTON, **K4IDD** * **SECOND V. PRESIDENT** - JOHN McCOY, **K4KBB** * **SECRETARY VACANT** * **TREASURER** - JEFF MEYER, **K4DKW** * **BOARD MEMBER** - RICHARD CAMPBELL, **W4JNC** * **BOARD MEMBER** - MORRIS LEWIS, **AK4MU** * **VE LIAISON**, STEVE HORNE, II, **AB5B** * **PUBLIC RELATIONS**, TAYLOR MILLAR, **W4WTM** * **PUBLIC SERVICE COORDINATOR & BARC HISTORIAN** - PAT WILLIAMS, **KG4NSC** * **W4AMC/W1VOA/W4UHS TRUSTEE**, TOM PARSONS, **W4TEP** * **HAM CHATTER EDITOR** - JOE JEANSONNE, **WB4JOE** * **WEB SITE EDITOR** - DAVE LANGLEY, **W4YDY** * **EMAIL ADDRESSES ON BARC WEB SITE** * **OPINIONS BY WRITERS MAY NOT NECESSARILY BE THAT OF THE BRIGHTLEAF ARC.** * CONTRIBUTIONS ARE TAX DEDUCTIBLE. * **BOARD MEMBERS IN BOLD** *



Nominations for 2016 BARC Officers will be presented at the September 8 meeting by the Nominating Committee. After the club members accept the nominations, that will be the slate. Anyone wanting to compete for a position after the September meeting will have to be by a write-in vote. The election will be held at the November meeting with introduction of the 2016 at the December Christmas party. The new Officers terms will be effective on January 1, 2016.

If anyone is interested in serving the club, please let contact Terry Monday, K4ZYD. Most needed positions needed are President, 2nd Vice President and Secretary. See Article III: Duties of Officers on page 2 in the BARC Constitution at <http://www.w4amc.com/constitution.pdf>. Please contribute to the service of the club. You must be a member of BARC and have an Amateur Radio License.

The club is in the planning stage to hold an Amateur Radio Technician license class starting in October. BARC President Terry Monday, K4ZYD, will discuss this at the September meeting. He will be looking for instructor volunteers to help. Some have already volunteered. Preliminary plans are to schedule it for Saturday mornings and to end before Thanksgiving. Exams by Volunteer Examiners are planned to be held, probably on the last day, maybe that afternoon. But those plans are not set yet. When the VE Session is held, anyone may take an exam. You do not have to be enrolled in the class.

For those that have been on the High Frequency (HF) bands for the past several months, you know that conditions have been very poor most of the time. Signals on 20 meters for the past few years that have been pretty good are mostly very weak lately. Stations that

Additional ARRL Books Now Available as E-Books

ARRL has announced plans to significantly increase the availability of its publications as e-books. At the same time, the League introduced six more ARRL titles in the popular Amazon Kindle format.

“I’m very pleased that members and readers will find more and more ARRL books available in the reading format they prefer,” ARRL Marketing Manager Bob Inderbitzen, NQ1R, said. “This effort underscores our strategy of delivering quality content on the media platforms preferred by members — including print and digital publishing.”

Inderbitzen said Kindle devices frequently rank highest in preference among e-book readers, and Kindle apps make it possible to use the format on most mobile devices and tablets, including Android and Apple iOS devices.

“ARRL isn’t new to digital publishing,” ARRL Publication Manager Steve Ford, WB8IMY, pointed out. Ford oversees staff and contributors responsible for content creation, editing, and publishing. “In 2012, QST,

was introduced to all members in a digital format. Other books, such as technical proceedings assembled by ARRL for annual conferences, are published digitally and made available to readers on a print-on-demand basis.

The newest titles available in Kindle format include Understanding Basic Electronics, ARRL’s Small Antennas for Small Spaces, Get on the Air with HF Digital, Your First Amateur Radio HF Station, Radios to Go!, and the ARES Field Resource Manual. Earlier this year, ARRL released two titles in Kindle format: Propagation and Radio Science by Eric P. Nichols, KL7AJ, and Oscilloscopes for Radio Amateurs by Paul Danzer, N1II.

All of these publications are also available in a printed format, directly from ARRL and ARRL publication dealers.

All ARRL license manuals are available in Kindle format. The ARRL Ham Radio License Manual has been identified by Amazon as a #1 Best Seller.

– via ARRL (<http://bit.ly/1PXT714>)

usually have S9 signals from the central and West coast lately are max of S3 or not even moving the S meter. I’ve been getting 33 reports or lower instead of the usual 59 reports. Sometimes I can’t even get the station to hear me. Recently a station didn’t hear me on SSB but got a weak report from him on CW a few minutes later. Also, I have made a lot of digital contacts when they were S1 or not even moving the S meter. This has been the weakest 11 year sunspot cycle since 1929. Believe it or not, that was before my time! 1959 was the best since the 1700s. Also, 1949, 1980, 1991 and 2002 were very good. Only about 4 or 5 cycles in almost 400 years have been as bad as the cycle we are in now. Conditions are only going to get worse in the next several years.

The FCC has proposed levying an \$8000 fine on a Cincinnati, Ohio, radio amateur, Daniel R. Hicks, KB8UYZ, who,

at one point, had volunteered to track down the interference he was causing on a number of primarily VHF repeaters. The FCC Enforcement Bureau asserted that Hicks intentionally interfered with other Amateur Radio operators’ communications and failed to identify properly. When the FCC went to the area first, Hicks volunteered with others in the area to help find the bad guy. When that failed, the FCC went back a year later and didn’t tell anyone they were there. They tracked Hicks down when he kept up the interference and used someone else’s call sign. For more information to see how the FCC did it, go to the ARRL web site at <http://www.arrl.org/news/fcc-proposes-to-fine-ohio-radio-amateur-for-malicious-interference-failure-to-identify>. It’s not nice to break the rules! - W4YDY

IARU Reiterates Commitment to Coordinate Satellites Only Within International Band Plans

In apparent reference to efforts by China's Amateur Satellite Group (AMSAT) to coordinate operating frequencies for nine satellites set to launch in early September, the International Amateur Radio Union (IARU) has made it clear that it will not coordinate frequencies do not conform with accepted band plans for all three IARU regions. The IARU has informed AMSAT CEO Alan Kung, BA1DU, that it was only able to coordinate uplink and downlink frequencies for two of the nine spacecraft (CAS-3/XW-2D and E), but it has not made that letter public. AMSAT has said it plans to launch the nine satellites, all carrying Amateur Radio payloads, on September 7 or 8.

"The IARU Satellite Adviser, Hans van de Groenendaal, ZS6AKV, and his advisory panel are mandated to coordinate frequencies within the IARU band plans for amateur satellites," said a public statement released on August 20 by IARU Secretary Rod Stafford, W6ROD. "Coordinated frequencies must comply with band plans that are common to all three IARU regions. Satellites coordinated outside these plans could cause interference to terrestrial amateur operations in other regions."

The IARU statement suggested that the popularity and high occupancy of 2 meters "led to a request by satellite builders for coordination outside the spectrum reserved for satellites in the IARU band plans (145.800-146.000 MHz), as not enough channels are available to satisfy their requirements."

The IARU said that, in theory, satellites could be programmed only to operate while orbiting above their countries of origin, but "because satellite orbits make it difficult to pinpoint operations, spillover to other regions may occur during parts of the orbit. Accordingly, IARU will not coordinate frequencies for satellites which are planned to operate outside the internationally aligned IARU band plans for amateur satellites."

The IARU statement noted that its frequency coordination service aims to

"maximize spectrum utilization and avoid possible interference to other satellites and ground stations." The IARU recommended that satellite groups "work on a sharing plan or use other parts of the Amateur Service spectrum designated for satellite operation," and it suggested resurrecting 10 meters — once popular as a satellite band, but largely unused today — as one possibility for uplink channels.

"The band segment 29,300-29,510 MHz has been used for Amateur-Satellite



downlinks for more than 40 years, beginning with Australis-OSCAR 5 in 1970 and AMSAT-OSCAR 6, AMSAT's first communication satellite, in 1972," the IARU statement noted. Just one amateur satellite actively uses a 29 MHz downlink — AMSAT-OSCAR 7, launched in 1974. Conceding that 29 MHz downlink frequencies "would not be practical for today's very small satellites" due to antenna size considerations, the IARU said the band could be used for uplinks, even with small receiving antennas, because Earth stations can run sufficient transmit power to overcome the disadvantage. "The IARU Satellite Adviser and his panel believe that the 10 meter band offers a good alternative to 2 meter uplinks," the IARU

said.

AMSAT President Barry Baines, WD4ASW, said his organization's Advanced Satellite Communications and Exploration of New Technology (ASCENT) initiative is exploring alternatives to address the proliferation of CubeSats and the resulting pressure on 2 meters and 70 centimeters. He pointed out that the 200 kHz IARU allocation on 2 meters "is not very wide" given the number of satellites being launched, but the use of 10 meters is impractical in this era of CubeSats.

"It is incumbent upon the Amateur-Satellite community to develop new ways of 'keeping Amateur Radio in space' that take advantage of other bands and provide enhanced services through appropriate technologies, given the need to find suitable bandwidth for an increasing number of satellites," Baines told ARRL. He said using digital technology could provide multi-channel capability, and design work is already under way. Transitioning to "underutilized amateur spectrum on bands such as 5 GHz and 10 GHz is also a possibility, Baines added, although he was quick to point out that AMSAT does not intend to abandon use of 2 meters and 70 centimeters for its own satellite projects.

The IARU said that when a large group of satellite sharing the same band is launched, "they will soon drift apart which enhances the opportunity to share the same frequencies. For example, during the initial phase, just after launch, a time-sharing system could be used to monitor the payloads before initializing transponders and other systems."

"Currently the IARU team also coordinates frequencies for satellites built by universities and educational groups in an effort to maximize spectrum utilization and mitigate any possible interference to Amateur Radio operations," the IARU statement concluded. "The IARU is committed to work with these groups and with the ITU to find other spectrum for these satellites."

-via ARRL (<http://bit.ly/1PXTpi8>)

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 Jeansonne** or email to: barc@w4amc.com (no spaces)

HAM ADS WORK!

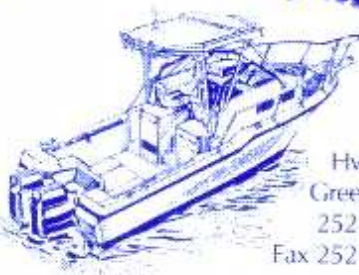
Rockwell Collins to End Mechanical Filter Pro-

As more and more communications equipment designs have adopted digital signal processing techniques, Rockwell Collins has announced that it will stop manufacturing its renowned mechanical filters. It did not provide a specific date.

“Over the past several years, we have seen a dramatic reduction in demand for narrowband analog filters,” the company said on its website. “Due to this and other economic reasons, [Rockwell Collins] Filter Products will be discontinuing its mechanical filter products in the near future.”

- Read more at ARRL (<http://bit.ly/1PXWDCt>)

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BARC Regular Meeting Minutes - August 2015

Date: 08-11-2015.

CALL TO ORDER: Our President, Terry Monday, K4ZYD, called the meeting to order at 7:30 pm.

We had the Pledge plus everyone introduced themselves with their name, call letters and city.

TREASURER REPORT: Account balances were reported.

VE SESSION: it was announced that our next VE Session will be next Tuesday, August 18th at 6:30 pm.

HAM CHATTER: A printed copy of the August Ham Chatter is available on the front table at the meeting.

TECHNICIAN CLASS : Terry, K4ZYD, discussed the new Amateur Radio Technician class to begin in October. We will need about four or five people to lead a Saturday class on questions and answers from the Technician Manual. There's will be a \$ 10.00 charge for the class which will include five or six classes with the Technician Test and License at the end. More information will follow.

Our Treasurer, Jeff Meyer announced that he would be glad to help with the classes.

PROGRAM: The Speaker was Karl Bowman, Section Manager for ARRL From Raleigh. A slide presentation cover-

ing the entire set-up for ARRL was shown. Karl told about many things that the ARRL is doing, His main program was about Collins Radio.

He gave a lot of information about the Collins HF radio model # 51S-1, plus he had one of these radios on display for us to see. Karl showed us why Collins had such good receivers for both Hams and the Military.

Adjournment: With no further business the meeting adjourned at 9:15 PM.

Minutes Respectfully submitted by: Taylor Millar, W4WTM, Secretary

BARC Board Meeting Minutes - August 2015

Date : 08-25-2015

MEMBERS PRESENT:

There were eight members present for this meeting.

CALL TO ORDER: President, Terry Monday, K4ZYD, called the meeting to order at about 7:30 PM.

MAIN DISCUSSION : Technician Class. Terry, K4ZYD, had received a power point slide presentation from the Raleigh Club for us to see. This showed us a sample of one of the Tech classes.

It was decided to start the Technician Class

about mid October with a fee of \$ 30.00 which will include each person getting a Technician book.

The Technician Class test will be given during the last class. Classes will be held on Saturday mornings at the Shepherd Memorial Library at 9:00 AM.

It was decided to have the first class to start about October 24th. We will need some help from members to help with these Saturday morning classes. Several have mentioned helping, but we will need others to help.

NOMINATION FOR OFFICERS:

We will have the nominations for new officers for next year at our next meeting. Any member interested in running for an office should let the nominating committee know.

The Shelby Ham Fest will be in Shelby on September 5th/6th. With no further business the meeting adjourned about 8:30 PM.

Respectfully submitted by: TAYLOR MILLAR, W4WTM

Send Your Name (and Call Sign) to Mars!

Mars enthusiasts can participate in NASA's next journey to Mars by adding their names — and call signs — to a silicon microchip headed to the Red Planet aboard NASA's InSight Mars lander, scheduled to launch next year.

“Our next step in the journey to Mars is another fantastic mission to the surface,” said Jim Green, director of planetary science at NASA Headquarters in Washington.

“By participating in this opportunity to send your name aboard

InSight to the Red Planet, you're showing that you're part of that journey and the future of space exploration.”

NASA issued a similar invitation in 2014 for its Orion test flight. So far nearly 365,000 “boarding passes” have been registered with the InSight mission. NASA will accept submissions until September 8.

Visit the Mars InSight “Revealing the Heart of Mars” website to get onboard. —

Thanks to NASA -via ARRL (<http://bit.ly/1PXU4Aa>)



Amateur Radio Parity Act Would Not Void “Private Contracts,” ARRL General Counsel Says

ARRL General Counsel Chris Imlay, W3KD, has rebutted assertions, expressed by some, that the Amateur Radio Parity Act of 2015 would represent an unlawful intrusion into “private contracts” and would invalidate architectural limitations and rules regarding the installation of ham radio antennas in residential neighborhoods. Imlay said the argument raised is that no federal legislation should alter private land-use restrictions, since these are contractual obligations. “The contractual characteristic of private land-use regulation has not existed in the United States for a great many years,” he pointed out. Imlay recently expanded on the topic during a lengthy interview with HamRadioNow webcast host Gary Pearce, KN4AQ.

“A contract requires a meeting of the minds between the two parties,” Imlay said in his interview with Pearce, which also included ARRL Hudson Division Director Mike Lisenco, N2YBB, a prime mover of the legislation. With no opportunity to negotiate, “you don’t have a contractual relationship at all. Instead, what you have is a preclusion.” Rather than contracts, Imlay explained, private land-use restrictions are limitations placed on the use of land long before the buyer ever shows up, and they have become increasingly difficult to avoid. With more and more neighborhoods imposing CC&Rs, the only choice a radio amateur then has, Imlay told Pearce, is to buy or not to buy a dwelling in a community that may prohibit antennas completely.

The legislation — H.R. 1301 and S. 1685 — calls on the FCC to apply the three-point test of the federal PRB-1 preemption policy to private land-use restrictions. Imlay said its passage would not mean that hams living in neighborhoods governed by CC&Rs could erect any antenna they wished. The obligation a homeowners association would have under the Bill is to not

prohibit, but to make reasonable accommodation for some sort of effective outdoor Amateur Radio antenna, imposing in the process the least practicable restriction to accomplish the association’s aesthetic purposes, he explained.

The legal underpinning of the Amateur Radio Parity Act of 2015 is well established, Imlay pointed out, and private land-use regulations must give way when they conflict with federal telecommunications policy. “It was held a long time ago by the US Supreme Court that federal communications policy trumps even private land-use regulations,” Imlay told Pearce. “That’s not a taking of land under the Constitution. It’s simply a supervening authority.” Imlay said that private land-use regulations that conflict with expressed federal telecommunications policy are subject to preemption, which would restore private property rights to the landowner. The FCC, he explained, is not hostile to the Bill, but it has indicated that it would prefer to have some guidance from Congress before amending the Amateur Radio Service Part 97 rules.

Several years ago, the FCC established the OTARD rule that lets residents living in deed-restricted communities install over-the-air video reception devices, such as a satellite dish or television broadcast antenna regardless of deed restrictions, but it does not apply to Amateur Radio antennas. The OTARD rule, the FCC has said, allows local governments, community associations, and landlords “to enforce restrictions that do not impair the installation, maintenance, or use of” such over-the-air reception devices. Imlay said this is precedent for the Amateur Radio Parity Act of 2015, and that the FCC found that it has the jurisdiction to enact the rules that Congress instructed it to adopt at the time with respect to OTARD regardless of private land use regulations.

-via ARRL (<http://bit.ly/1PXUgzy>)

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
- ◆ Wayne County ARA Net, Thursdays at 8:30 PM, 146.850 PL is 88.5. PL turned off during net. Net is also linked to the 443.000 repeater .

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

BARC CALENDAR OF EVENTS

Sep 5/6..... Shelby Hamfest **
 Sep 8..... **Regular Meeting**
 Sep 12..... Virginia Beach Hamfest
 Sep 26/27..... CQ WW RTTY Contest
 Sep 29..... **Board Meeting**
 Oct 11..... Maysville Hamfest ** ***
 Oct 13..... **Regular Meeting**
 Oct 24/25..... CQ WW SSB DX Contest
 Oct 27..... **Board Meeting**
 Nov 7/8..... ARRL CW Sweepstakes
 Nov 10..... **Regular Meeting**
 Nov 21/22..... ARRL SSB Sweepstakes
 Nov 22..... Benson Hamfest ** ***

Nov 24..... **Board Meeting**
 Nov 28/29..... CQ WW CW DX Contest
 Dec 5/6..... ARRL 160 Meter Contest
Dec 8..... BARC Christmas Party
 Dec 12/13..... ARRL 10 Meter Contest
 Dec 29..... **Board Meeting**
 Jan 2/3..... ARRL RTTY Roundup

Regular Meeting - 2nd Tuesday @ 7:30 PM **Hamfests
Board Meeting - Last Tuesday @ 7:30 PM *** Date not confirmed

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

W 1 V O A - W 4 A M C - W 4 U H S



Sep 2015
Next Meeting
Sep 8, 2015

To:



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