

Ham Chatter



Volume 48 Issue 5

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May 2014

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Governor proclaims July "Amateur Radio Recognition and Appreciation Month" **Next Meeting –May 13, 2014**

WHEREAS, North Carolina is home to nearly 18,000 licensed Amateur Radio operators of all ages, known as hams; and

AND APPRECIATION MONTH" in North Carolina, and commend its observance to all citizens.

WHEREAS, in 1914, amateur radio operators organized across the nation by creating the American Radio Relay League and the National Association of Amateur Radio [sic], for the purpose of providing communications support and service, especially during emergencies when all else fails; and

IN WITNESS THEREOF, I have hereunto set my hand and affixed the Great Seal of the State of North Carolina at the Capitol in Raleigh this tenth day of February in the year of our Lord two thousand and fourteen, and of the independence of the United States of America the two hundred and thirty-eighth.

WHEREAS, for the past 100 years, ham radio operators have experimented with and perfected technologies we all enjoy today; including television, high fidelity FM, cellular telephones, integrated circuits and more; and

(sealed)
(signed)
PAT McCrory
Governor

WHEREAS, White House and Congressional reports on disaster response such as Hurricane Katrina praised amateur radio for its role in providing emergency communications when normal telephone and internet service failed; and

ARISS Contact with Dixon Elementary School, Holly Ridge, Onslow County

On Monday, April 21st, a contact between the International Space Station and students at Dixon Elementary School in Holly Ridge, NC (Onslow County) was made at approximately 2:00 PM EST.

WHEREAS, since 1949, North Carolina amateur radio operators have been meeting over the air every evening on the Tar Heel Emergency Net to test skills and equipment; and

WHEREAS, North Carolinians continue to benefit from the dedication of these unpaid, volunteer communicators;

NOW, THEREFORE, I, PAT McCrory, Governor of the State of North Carolina, do hereby proclaim July, 2014, as "AMATEUR RADIO RECOGNITION

Bill Morine, N2COP, Assistant Section Manager attended the event and here is his report: "About 200 people attended the ARISS contact at Dixon Elementary School in Holly Ridge on Monday, April 21st. The QSO, only the fourth in the past eight years in NC, was the result of an application to ARISS, Amateur Radio aboard the International Space Station, submitted by Betty Bigney, Dixon's STEM teacher. Ms. Bigney is Onslow County's only dedicated teacher for STEM – Science, Technology, Engineering and Math. Betty, her students and the Onslow County

The Brightleaf Amateur Radio Club will have its regular meeting at 7:30 PM on Tuesday, May 13, at VFW Post Home 7032 on 1108 Mumford Road in Greenville. Program will be by Tim Parkin, Greenville store manager of Batteries Plus Bulbs. He will talk batteries and the new high efficiency light bulbs. He will explain the proper uses of LED, CFL and Halogen light bulbs. All members, families and guests are invited to attend.

The next Board Meeting will be May 27 at 7:30 at the Offices of Monday & Monday, (CPA), suite D, East Victoria Court. All members invited.

Amateur Radio Club had been rehearsing for weeks to perfect communications with astronauts during the projected ten-minute pass. A hush fell over the crowd at 2:07 PM as the Onslow club team called N1ISS. The crackling voice of ISS Commander Koichi Wakata came back and the connection held for almost all ten minutes, permitting all twenty selected students to ask their questions of Dr. Wakata. Gradually the analog FM carrier from the ISS began to picket fence and crackle. As chief operator Dobie Hoffman, KK4MGK wished Dr. Wakata "73", the room burst into applause. Television and newspaper reporters rushed forward to interview Ms. Bigney, the students, and members of the Onslow club. The QSO was carried on Skype and was available to schools across Onslow County. Many thanks to Onslow County ARC President Frank Divinie, W4UOR, and his dedicated team for making this ARISS contact a success." - via NC Section Newsletter, Karl F Bowman, W4CHX, NC ARRL Section Manager.

President's Corner - Terry Monday, K4ZYD



(Langley) are super quiet and easy to set up. We can pull the equipment trailer right next to the operating tents to facilitate setup and tear down.

Dinner, snacks and drinks are provided by the club. Spouse and family members are encouraged to join us for Saturday dinner.

So mark June 28th and 29th on your calendar and we will see you at Field Day.

Thanks

Terry, K4ZYD

Next VE Session

The next Brightleaf Amateur Radio Club VE session will be held **Tuesday, June 17** at the VFW Post Home 7032 on 1108 Mumford Road and will start promptly at 6:30 PM. Ted Bertrand, **KI4PWX**, 756-3734. bertrandf@ecu.edu. 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.

Go to <http://www.w4amc.com/barcinfo.html#VE> for more information.

2014 Field Day

2014 Field Day is rapidly approaching, June 28th and 29th. BARC's Field Day site will be the old VOA Receiver Site C .

VOA Site C is a great location for Field Day. It is one of the electrically quietest areas around. There is no electrical interference. And the towers are great for handing antennas.

We setup in the grassy parking lot across from the receiver facility building. There is plenty of room for tents, campers and parking. Restroom facilities are provided.

Our new generators (thanks Mike



NC ARES Internet

<http://www.ncarri.org/ares/>
Pitt County ARES
 EC needed!



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Happy Birthday

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

- 14 **W4TEP** Tom Parsons
- 22 **K4DKW** Jeff Meyer

Additions or corrections to W4YDY

Well Wishes

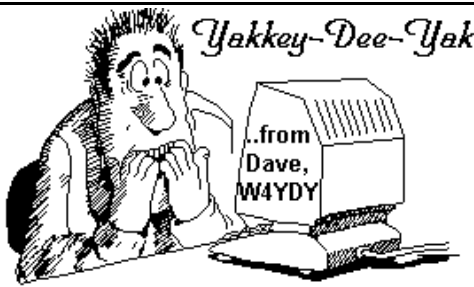
Thoughts and Prayers go out to the following:

- Charlie Wells, K4SKI**
- Tom Parsons, W4TEP**



Please inform John McCoy, K4KBB, k4kbb @ earthlink.net of any changes.

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BARC HF Transceiver For Sale
 The **Kenwood TS-520** is designed for SSB and CW modes in the 80 through 10 meter



April 2014 BARC VE Session Results

Three applicants passed their exams at the April 15 BARC VE session. All three passed the Technician exam. The FCC will issue their new call signs soon and they will be posted here when available.

William (Mike) Boyette, **KM4AOS**, La Grange, Ryan Baker, **KM4AOU**, Greenville, and Lewis Lebron, **KM4AOT**, Rocky Mount were the successful applicants. Congratulations to all for their accomplishment. The call signs were granted by the FCC on April 24, 2014.

The VE's that attended were VE Liaison Ted Bertrand, **KI4PWX**, Thomas Styron, **KB7L**, Dan Wallace, **K4HMH**, Byron Highland, **K4BMH**, and Dave Langley, **W4YDY**.

The next regular VE session is scheduled for June 17, 2014.

The June 1997 issue of Ham Chatter was my first. This issue, May 2014, completes 17 years. I tried to resign over 2 years ago but like a guy named Leno, I hung around when no one would step up to the plate. Next time, I will slide home and go to the dugout. I've already got a good lead off of third base!

Also, I started the W4AMC web site at the end of July, 1996. So it will soon be 18 years doing that. I didn't know much about doing a web site and still don't. Just kind of figured out how to get some stuff online. It's not a fancy site with a lot of bells and whistles because I didn't learn the programs that do that. But I think it gets most of the news and information to the members. The new MS operating sys-

tem will not run my programs for the newsletter and web site. I don't want to spend \$300 to update them. At least it does not have the strict deadlines of a newsletter. Home plate is in sight for the web site also! - **W4YDY**

It also features receive of WWV at 10 MHz. The TS-520 features a very accurate linear analog display dial. Power input is 120W PEP SSB and 100W CW. (This transceiver does not have general coverage receive). The hybrid circuit includes three 6146A and two 12BY7A tubes plus 1 IC, 17 FETS, 45 transistors and 84 diodes. **REDUCED \$185 or best offer. Contact W4JNC, campbellerecu@embarqmail.com (Phone 758-1244)**

Texas Radio Amateur Gives Up License As Part of Enforcement Action Settlement

A Texas radio amateur has agreed to turn in his Amateur Extra class license as part of an agreement with the FCC to settle an enforcement action against him. The FCC earlier this year issued a Notice of Apparent Liability for Forfeiture (NAL) to James R. Winstead, **KD5OZY**, of Coleman, Texas, after determining that Winstead "apparently willfully violated" FCC rules by interfering with Amateur Radio communications. The Commission had proposed a \$7000 fine. The action was in response other radio amateurs' complaints of intentional interference on 7.195 MHz.

"Mr Winstead has admitted that his actions violated the Commission's rules and agreed to voluntarily relinquish his amateur license and make a \$1000 voluntary contribution to resolve the [Enforcement] Bureau's investigation," the FCC said in an Order released April 22. The Order adopted a Consent Decree between the Enforcement Bureau and Winstead that spells out the details of the settlement.

According to the Consent Decree, Winstead will make his "voluntary contribution" to the US Treasury in 12 install-

ments. He also agreed to relinquish his Amateur Radio license, prior to signing the Consent Decree. Such agreements between the FCC and violators have become more common recently in both Amateur Radio and non-Amateur Radio cases.

ARRL CEO David Sumner, **K1ZZ**, gave kudos to the Enforcement Bureau "for bringing the matter to a prompt conclusion."

Last January 21 an agent from the Commission's Dallas Office used direction-finding techniques to positively identify the source of interfering transmissions as Winstead's address. After monitoring the transmissions from the station for about a half-hour, the agent heard Winstead "replay multiple times short sentences or conversations that had just been transmitted, and occasionally speak the word 'George.'"

"Mr Winstead replayed recorded conversations so frequently that other licensees were unable to complete their conversations," the NAL stated. The agent estimated that Winstead disrupted approximately 20 minutes of conversation over a 30 minute period by making up to 15 min-

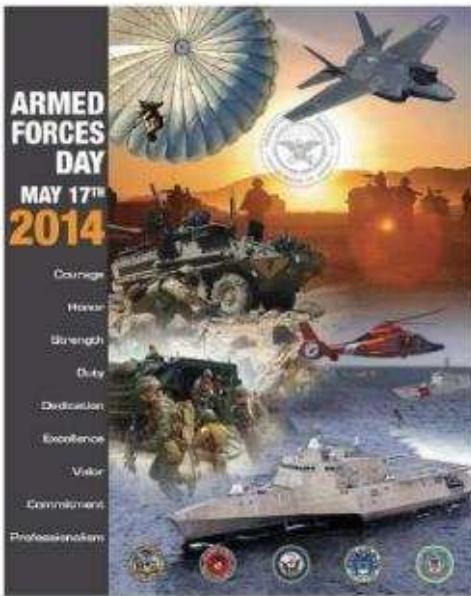
utes of short transmissions. The agent subsequently inspected Winstead's station, observing that his radio equipment was tuned to 7.195 MHz.

"During the inspection, Mr Winstead showed the agent how he recorded and retransmitted other amateur licensees' communications," the FCC said. "He also admitted that he intentionally interfered with amateur communications on 7.195 MHz and had an ongoing disagreement with another amateur licensee named George."

The FCC said the evidence in the case was sufficient to establish that Winstead had violated Section 333 of the Communications Act of 1934 and Section 97.101(d) of the FCC Amateur Service rules.

As part of the Consent Decree, the Enforcement Bureau, "to avoid further expenditure of public resources," agreed to terminate its investigation and not to use facts developed in its investigation to institute any new proceeding against Winstead "concerning the matters that were the subject of the investigation." - *via ARRL.ORG 04/22/2014*

Armed Forces Day 2014 Cross-Band Communication Test Set for May 10



The 2014 Armed Forces Day Cross-Band Communication Test will take place on Saturday, May 10. The US Army, Air Force, Navy, Marine Corps, and Coast Guard co-sponsor the annual Amateur Radio/US military communication test. The 64th Armed Forces Day officially takes place on May 17, but the Armed Forces Day event takes place a week earlier, on May 10, to avoid conflicting with Dayton Hamvention®. The on-the-air celebration features traditional military-to-Amateur Radio cross-band communication on both SSB and CW. Some activity will continue into the early hours of Sunday, May 11 (UTC). Most activity gets underway at 1200 UTC.

“These tests give Amateur Radio operators and Short Wave Listeners

(SWLs) an opportunity to demonstrate their individual technical skills, and to receive recognition from the appropriate military radio station for their proven expertise,” the Armed Forces Day Cross-Band Communication Test announcement said. “QSL cards will be provided to those stations making contact with the military stations.”

More than 20 military stations representing all of the services and in various parts of the Continental US, as well as Hawaii (ABH), Okinawa (ADB) and Guam (NRV) are expected to be on the air, transmitting on military frequencies outside the Amateur Radio bands and listening for calls within Amateur Radio bands. Some military stations may not be on the air for the entire event, depending on propagation and station staffing.

Participating military stations will transmit on selected Military Auxiliary Radio Service (MARS) frequencies and listen for Amateur Radio stations in certain bands and frequencies, depending on the station. The military stations have asked that radio amateurs limit voice contacts to no longer than a couple of minutes. Some military stations will use CW. Much of the activity will involve frequencies outside the 80, 40, and 20 meter bands.

Participating US Army Stations will include WAR at the Pentagon, as well as AAZ, AAC, ABH, ADB, and WUG-23; US Air Force stations AIR, AGA2SY, AGA4AR, AGA5SC, and ARA9TR, and US Navy-Marine Corps stations NBL, NMC1, NMN, NNN0ASF, NNN0CQQ, NPD, NRV, NUW, NWKJ, and NWVC.

The annual event also includes the US Secretary of Defense message test, which will be transmitted in various digital modes. Stations will use RTTY, CW, PSK31, PACTOR, AMTOR (FEC), MT63, and other digital modes to transmit the message. A certificate is available for stations correctly copying the message.

Transcripts of the digital message from the US Secretary of Defense should be submitted “as received,” with no attempt to correct possible transmission or reception errors. On the same sheet of paper containing the test message, stations should provide time, frequency and call sign of the military station copied, as well as the name, call sign, and address (including zip code) of the individual submitting the entry.

Stations receiving the message from AAZ, WAR, or AAC should send entries to Armed Forces Day Celebration, Commander Netcom, ATTN: NETC-ATD (MARS Station), Building 90549 Jim Avenue, Ft Huachuca, AZ 85613-7070. Stations copying the message from NBL, NNN0ASF, NNN0CQQ, NUW, NWKJ OR NWVC should send entries to Armed Forces Day Celebration, Chief, Navy-Marine Corps MARS, Cheatham Annex Building 117, 108 Sanda Ave, Williamsburg, VA 23185-5830. Stations copying the message from AGA2SY, AGA5SC, AGA9TR OR AFA4AR should send entries to Armed Forces Day Celebration, 38 Cyrs/Chief Air Force MARS, 203W Losey St, Room 1200, Scott AFB, IL 62225. - via *ARRL.ORG 04/28/2014*

More Than 300 Amateur Radio Volunteers Support 2014 Boston Marathon

On a beautiful New England spring day, yet under an umbrella of heightened security, more than 300 Amateur Radio volunteers provided communication support on April 21 for the 118th running of the Boston Marathon — a 26.2-mile race from Hopkinton to Boston, Massachusetts. In a show of solidarity following last year’s tragic bombings close to the finish line, a near record numbers of runners — upward of 36,000 — turned out for the Patriot’s Day event along with a huge outpouring of spectators. The Boston Marathon is a major public service event

for the region’s Amateur Radio volunteers.

“We received a fantastic showing of volunteer support across the start, course, and finish line from the Amateur Radio community in the wake of the 2013 bombings,” said Steve Schwarm, W3EVE, Boston Marathon Course Coordinator. The level of ham radio support for the 2014 event demonstrated that “Boston Strong” remains a rallying cry in the wake of last year’s tragedy, he said.

Amateur Radio communication support became critical in the aftermath of the 2013 Boston Marathon bombings,

when conventional telecommunications systems, such as cellular telephone, quickly became overloaded and confusion reigned.

The Minuteman Repeater Association coordinates Marathon Amateur Radio Communication, with assistance from the Framingham Amateur Radio Association, the Mohawk Amateur Radio Club, and the Montachusett Amateur Radio Association. The race is sponsored by the Boston Athletic Association (BAA). - via *ARRL.ORG 04/23/2014*

More at ARRL.ORG news

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: Dave Langley** or email to: barc@w4amc.com (no spaces)
NOTE: Commercial rates on page 7.

Wanted:

MC-320 microphone cartridge for D-104 mic. Would consider an old D-104, in any shape, as long as the mic head is intact.
 John Schultz, **W4FA** 252-355-3415

For Sale: 54' Tashjian LM-540E tilt over crank up tower. It has the erection fixture included. The antennas are a Tennydyne T8 Log Periodic, a Cushcraft A50-5S 5 element yagi and a Cushcraft 13B2 13 element yagi. The antennas are mounted on a 20' mast 2" diameter. All were purchased in 2006. Asking \$1600 for the tower, mast, and erection fixture. 6 meter yagi \$100. 2 meter yagi \$120. Tennydyne T8 Log Periodic \$400. Each piece is about one half of what I paid.
 Ah Horvath, **WA3OXM**, Blounts Creek, NC. Ph: 252-974-0636
 Email: WA3OXM@embarqmail.com

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Amateur Radio Propagation Guru Says WWV's 25 MHz Signal Extended Solar Ebb May Lie Ahead Back on the Air

Amateur Radio propagation and solar phenomena authority Carl Luetzel-schwab, K9LA, said in an April 27 webinar, "Are We Headed into Another Maunder Minimum? What Does That Mean for Propagation?" that most solar scientists believe several low solar cycles lie ahead, ushering in periods of diminished HF propagation, especially on the higher bands. Luetzel-schwab, who maintains K9LA's Amateur Radio Propagation Web Site and pens a regular "Propagation" column for NCJ, stopped short of concluding that we'll experience a Maunder minimum — an extended period of very few or no sunspots. As the Marshall Space Flight Center's "Solar Physics" web page explains, early sunspot records indicate that the Sun went through an inactive period from about 1645 to 1715 — called the Maunder minimum after the scientist who discovered it — when very few sunspots were observed.

"Right now there's nothing bullet-proof to say we're heading into a Maunder minimum, so we're just going to have to wait and see," Luetzel-schwab told the webinar, sponsored by the World Wide Radio Operators Foundation (WWROF). "It sure looks like something inside the sun changed around the peak of Cycle 23. There's lots of evidence that we're entering a grand solar minimum. But I don't think any of the solar scientists are 100 percent sure that we're going to see a Maunder-type minimum." A grand solar minimum, he explained, is an extended period of low sunspot activity but not as severe as a Maunder minimum.

Many solar scientists believe that Cycle 24 — the current solar cycle — is the weakest in years, and that this portends even less sunspot activity in the future. Some even have predicted outright that a Maunder minimum is around the corner.

In the hour-long presentation, Luetzel-schwab reviewed the conclusions of research published by several solar scientists, raising various scenarios for what might lie ahead in terms of sunspots and related HF propagation. If a Maunder minimum were to occur, he predicted "we'll probably have some pretty good low-band

propagation. Most everybody believes the low bands are better at solar minimum." But he conceded that a lot of factors come into play when trying to foresee what will happen from one solar cycle to the next and how it will affect radio propagation.

In a period of extremely few sunspots, Luetzel-schwab said, we might expect "spotty" F2 layer propagation on 15 meters and "probably 12 and 10 will be noise." He said that if it's a Dalton-type minimum, "we'll probably experience propagation kind of like what we're experiencing right now in this Solar cycle." The Dalton minimum, from about 1790 until 1830, was another extended low-sunspot period that was not as severe as the earlier Maunder minimum.

Some of the factors scientists believe could predict solar conditions include "hemispheric asymmetry," where the number of sunspots in the Sun's northern and southern hemispheres differ. Prior to solar minima, more sunspots may appear in one solar hemisphere than the other, although Luetzel-schwab pointed out that this does not always occur over the course of the solar record. "Cycle 23 had a second peak, because the southern hemisphere sunspots peaked," he noted.

Another factor is the condition of the Sun's polar magnetic flux field. "Note that the magnetic field of the sun reverses at solar max," Luetzel-schwab said. He told his audience that the solar polar fields are decreasing, but after the Solar Cycle 23 maximum, "They just did not pick up. They're pretty low."

"We need to gather some really good data" over the next 10 years, Luetzel-schwab concluded, adding that the additional data will provide evidence one way or the other. "This would cover the decline of Cycle 24 and the ascent of Cycle 25 to maybe get a better idea of what the sun is doing," he said.

"Are We Headed into Another Maunder Minimum? What Does That Mean for Propagation?" will be posted in the webinar archive on the WWROF website. <<http://wwrof.org/>> - via ARRL.ORG 04/29/2014

WWV silenced its 25 MHz signal in 1977, but it's back on the air "for old times' sake" — officially on an "experimental basis." Resurrecting the long-dormant standard time outlet operated by the National Institute of Standards and Technology (NIST) was Matt Deutch, NORGT, the Lead Electrical Engineer at WWV. It all came about after Dean Lewis, W9WGV, lamented the loss of the 25 MHz signal in an e-mail to Deutch, who surprised him by subsequently putting the signal back on the air on April 4 for about 3-1/2 hours.



A listener in Scotland posted his reception of the WWV 25 MHz signal on YouTube.

WWV began another 25 MHz test starting on April 7, and Deutch told ARRL that WWV-25 probably will remain on the air for the rest of the week. "So hopefully a few more people will hear it," he said.

Lewis said he'd told Deutch late last week that 10 meter propagation has been so good at this point in Cycle 24, and he uses the various WWV frequencies as propagation beacons on a daily basis.

"He responded that 'for old times' sake,' they'd put the [25 MHz] signal back on the air for a while. I assumed, of course, that he was kidding, and so I didn't check. Matt wasn't kidding!"

NIST said the 25 MHz broadcast consists of the normal WWV signal heard on all other WWV frequencies, at the same level of accuracy. The transmitter in Fort Collins, Colorado, can put out 2500 W into a "broadband monopole," although Deutch said the transmitter was running 1200 W. WWV has invited listeners' comments and signal reports. - via ARRL.ORG 04/07/2014

FCC Cites Washington Resident for Causing Interference on Amateur Frequencies

The FCC has cited a Woodinville, Washington, resident for operating an “incidental radiator” — apparently some sort of lighting device — that has been causing harmful interference on Amateur Radio frequencies. The Commission has ordered Thomas Edward Rogers to “take steps to eliminate all harmful interference” or risk substantial fines and seizure of equipment. The Enforcement Bureau action came in the wake of repeated complaints last year of interference to Amateur Radio operations. To date, Rogers has not responded to several communications from the Commission.

“Commission agents have made multiple unsuccessful attempts in writing and via phone calls to contact Mr Rogers regarding unauthorized and unlicensed radio frequency emissions emanating from his property,” the FCC said in a Citation and Order released April 24. The Commission directed Rogers to “cease operation of the incidental radiators immediately, until the interference is resolved.”

Last year, agents from the Enforcement Bureau’s Seattle Office twice visited Rogers’ neighborhood and confirmed through direction-finding techniques and the use of a spectrum analyzer that “signals on frequencies between 7 and 8 MHz were emanating from Mr Rogers’

residence,” the FCC recounted. The C&O said Rogers failed to reply to an “RFI Letter” and a subsequent Warning Letter, and the interference complaints continued.

The FCC said Rogers is violating Part 15 rules that prohibit the operation of an unlicensed intentional, unintentional, or incidental radiator that causes harmful interference to a licensed radio service. Rogers was ordered to respond in writing within 30 days stating that he has ceased operating the incidental radiators and tell the Commission what he has done to eliminate all harmful interference. The FCC warned Rogers that he faces “severe penalties, including fines of up to \$16,000 per day,” if he fails to take action to resolve the interference issue.

In March, FCC Chairman Tom Wheeler tapped Travis LeBlanc as acting Chief of the Enforcement Bureau, and ARRL CEO David Sumner, K1ZZ, said the Bureau already appears to have become more responsive.

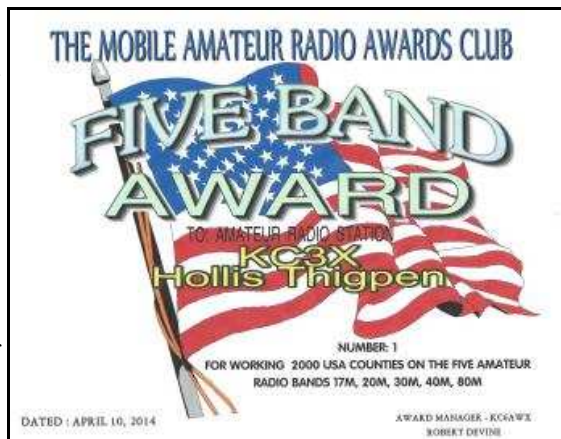
“The Seattle Office’s prompt investigation of an amateur’s complaint in May 2013 set the wheels in motion leading to this Citation,” Sumner said. “Today’s announcement provides further evidence that with the recent change in leadership of the Enforcement Bureau, there’s a new sheriff in town.” - via *ARRL.ORG* 4/24/2014

Hollis Thigpen, KC3X, earns Award No. 1

Hollis Thigpen, **KC3X**, earned Five Band Award **No. 1** for contacting stations in 2000 counties on 5 bands, 17, 20, 30, 40 and 80 meters. This 5 band award took two months shy of 29 years to achieve. He’s working on the other 1077 for the trophy!

According to the Mobile Amateur Radio Awards Club, this is the 25th major award he has earned. That includes working all 3077 counties 9 times, five Master County Hunter awards, two All CW awards, Master Gold and Master Platinum. The Master Platinum award requires transmitting from at least 500 counties and contacting a Master Gold holder in all 3077. There were only around 30 active Master Gold holders. He first worked all counties in 1987.

He also has awards for working all 3077 counties with K, W and N call signs, all counties using 1x3 calls and all counties mobile to mobile. Twelve of the awards are single digit numbers. **Congratulations Hollis.**



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

Pitt County Repeater Association

<http://www.pcara.us/>

Greenville repeaters

147.09/69 - 145.35/144.75

444.8/449.8

All use 131.8 tone

BARC CALENDAR OF EVENTS

May 13 **Regular Meeting**
 May 24/25..... CQ WW CW WPX Contest
 May 27 **Board Meeting**
 May 31 **HAM CHATTER DEADLINE**
 Jun 10..... **Regular Meeting**
 Jun 14/15..... ARRL June VHF Contest
 Jun 15..... ARRL Kids Day
 Jun 17..... BARC VE Session - **Tuesday**
 Jun 24..... **Board Meeting**
 Jun 28..... **HAM CHATTER DEADLINE**
 Jun 28/29..... ARRL Field Day
 Jul 8 **Regular Meeting**
 Jul 12..... IARU HF Championship
 Jul 19..... Cary Swapfest **
 Jul 29..... **Board Meeting**

Aug 2 **HAM CHATTER DEADLINE**
 Aug 12..... **Regular Meeting**
 Aug 19..... BARC VE Session - **Tuesday**
 Aug 26..... **Board Meeting**
 Aug 30..... **HAM CHATTER DEADLINE**
 Aug 30/31..... Shelby Hamfest **
 Sep 6 VA Beach Hamfest **
 Sep 9 **Regular Meeting**
 Sep 27/28..... CQ WW RTTY Contest
 Sep 30..... **Board Meeting**
 Oct 21..... BARC VE Session - **Tuesday**
 Dec 16..... BARC VE Session - **Tuesday**

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

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



May 2014
Next Meeting
May 13, 2014

To:



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