

Ham Chatter



Volume 54 Issue 3

An Official BARC, W4AMC, Publication

March 2020

Editor, Dave Langley, W4YDY

Email: hamchatter @ w4amc.com

US Marines Sponsor Ham Radio Licensing Course



Dave Wood, W4EJ, demonstrates Bird Power Meter

US Marines with Information Group II Marine Expeditionary Force (II MIG) participated in an amateur radio general licensing course January 27 – 31 on base as part of the group's High Frequency Auxiliary Initiative. Members of the Brightleaf Amateur Radio Club of Greenville, North Carolina, helped the Marines in the class learn the principles of HF radio operations as a contingency against a peer-to-peer adversary in real-world operations.

During the course, Marines learned ham radio theory, band allocations, conventional and field-expedient antenna theory, and general ham radio operation and control. II MIG Commanding Officer Colonel Jordan Walzer created the High Frequency Auxiliary Initiative after recognizing the need for additional options in combat environments.



Marines setting up antenna during demonstration

“Right now, our adversaries are aggressively pursuing counter-space weapons to target our satellites and ground stations,” Walzer is quoted in the article. “If our satellites get knocked out, what do we do then? [High Frequency] radio has been around for well over a century and is still used today. Why? Because it’s a reliable, low-cost alternative to satellite communications. With the right

training and education, a Marine with a radio and some slash wire can communicate over-the-horizon for long distances, even between continents.” - via *The ARRL Letter* 02/11/2020 <<http://www.arrl.org/news/us-marines-sponsor-ham-radio-licensing-course>>

Photos by Lance Cpl. Larisa Chavez

Editors Note: The course was taught by BARC President Dave Wood, W4EJ, and Treasurer Jim Lowe, AC4JL.

Next Meeting March 10, 2020

The Brightleaf Amateur Radio Club will have its next meeting Tuesday, March 10, 2020. The meeting location is Room 1200 in ECU Greenville Center - 2200 Charles Blvd. Enter the building on the side closest to Charles Blvd. and Inside here - Go Straight ahead and Room 1200 is at the end on the Left – just ahead of the exit doors. (This building is just North of the State Employees' Credit Union).

Program by John Johnson, KE4TZN, and others. They will present a program about DMR, and tell the members what equipment is available on the market. In addition, Bernie Nobles, WA4MOK, will bring his own dual band DMR/Analog handheld. John will be giving away a Radioddity GD-73 handheld during the meeting. <<https://www.radioddity.com/products/radioddity-gd-73a-e>> Club members should go to <https://www.radioid.net> to get a DMR radio ID number.

All members, families and guests are invited to attend.

Board Meeting - March 31, 2020

The next board meeting will be Tuesday, March 31, at 7:00 PM at the Offices of Monday & Monday, (CPA), Suite D, East Victoria Court. All members invited.

BARC Dues - January 1, 2020

Past due March 31....

Those who have not renewed their dues by April 1, 2020 will be removed from the roster and the Ham Chatter mailing list. Membership will be reinstated upon receipt of 2020 dues.

Thank you for your continued support and participation in BARC.

See Page 4 for more details.

President's Corner– Dave Wood, W4EJ



Dave Wood, W4EJ

I am writing this as I just returned home from the New Bern Radio Club auction. It was pretty neat! I spent an entire dollar and brought home a non working tone generator. Maybe I can get it working.

Our next meeting will feature a program on DMR with a new DMR handheld radio to be given away! I'm sure no one will want to miss this one. Everyone is requested to go to Radioid.net and sign up for a DMR radio ID before the meeting. It's pretty easy but you will need to upload a copy of your license. Our next meeting is March 10th at our Charles Blvd location.

Dave Langley has encouraged me to remind everyone that dues are over due for those that have not paid. As usual, we will be having an informal get together at Sam Jones' BBQ for supper at 6pm prior to the meeting. All are welcome! See you there. 73, *Dave W4EJ*

Next VE Session

NEW LOCATION

Exams will be held on Tuesday, April 21, 2020 at 2200 Charles Blvd, ECU Greenville Center in Room 1200, in Greenville, NC. Exams will start promptly at 6:30 PM. For more info email Gary, **KK4GC**, at [ve @ w4amc.com](mailto:ve@w4amc.com). (remove spaces) Study material at <http://www.arrl.org/courses-training>. 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. *

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

St. Kitts-Nevis-Anguilla Amateur Radio Society Reports Continued "Smart Meter" RFI



FRIENDSHIP OVER THE WAVES

The St. Kitts-Nevis-Anguilla Amateur Radio Society (SKNAARS) reports continued interference to St. Kitts radio amateurs from so-called power company "smart meters." SKNAARS, an IARU member-society,

took its complaint to the national telecommunications regulator last year, and the regulator issued a cease-and-desist order last October 7.

SKNAARS said this week that Saint Kitts amateur radio operators are still battling RF interference and noise on 80 and 40 meters that it says are caused by the smart meters on 40 and 80 meters. A SKNAARS representative will meet with the NTRC in the next few weeks to discuss the issue "and other outstanding matters." SKNAARS thanked the IARU for its assistance in helping to resolve the RF interference matter. - via arrl.org 02/25/2020



Happy Birthday

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

- 03-09 NW4S Jeff Wainwright
- 03-12 KI6BPT Rita Pulera
- 03-17 KG4CZV Dave Pulver

Please let me know of any additions or corrections. If yours is missing, I don't have it! Please email hamchatter@w4amc.com

Well Wishes

Thoughts and Prayers go out to the following:



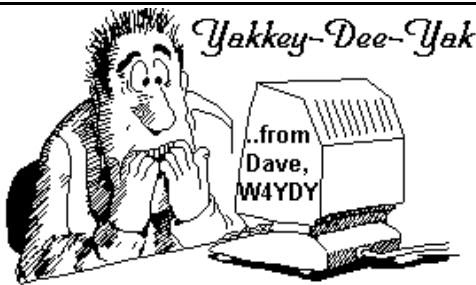
- John McCoy, K4KBB
- Doug Ferris, K4ROK

Please inform Peter Van Houten, N4PVH, of any changes.

In This Issue

Marines AR Licensing Course	1
Next Meetings	1
Presidents Corner - W4EJ	2
"Smart Meter" RFI	2
Next VE Session - April 21, 2020	2
Yakkey-Dee-Yak from Dave	3
WSPR Buoy Retrieved	3
BARC DUES	4
Another DXpedition Postponed	4
FCC turns down appeal by W6WB	5
It's Never Too Late to Upgrade	5
Retrieve Titanic's Radio Gear Attempt	7
Radio Australia Antennas	7
BARC Calendar of Events	8

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I recently received the 2020 CQ calendar with some of the history of CQ Magazine. It stated in 1945, just 7 years before I got my Amateur Radio license. It's interesting to see some of the old radios, etc.

When I was in Oklahoma City for a couple of years in the middle 70's,

as some say, the 'train' got me and I ended up as president of the Aeronautical Center Amateur Radio Club at the FAA Aeronautical Center and FAA Academy. I did a search on the Internet and found a lot of old Collector and Emitter news letters that was a joint venture of seven Amateur Radio clubs in the OKC area. Our club had several pages in each issue. I wrote the column, Yakkey-Dee-Yak from the President. Below is my column from the February 1977 issue.

We had some outstanding members from the Center. Many were FAA engineers and technicians. K5TGY was an expert in RTTY and wrote articles about it. But one of the top and a great guy was Carl Drumeller, W5JJ, (SK),

who wrote many articles for magazines about antennas and transmission line, etc. I know he had articles in QST, 73 Magazine and I'm sure CQ Magazine. I just saw the November 1979 issue of 73 Magazine on the Internet. He had 3 articles in that issue. You can see them at <<https://archive.org/details/73-magazine-1979-11/mode/2up/search/140>>.

I mention in the column about Carl talking about "Some Misconception about SWR" at the next meeting. He was a real expert. It was a lively meeting with some other opinions and some heated discussions. It was the best meeting program while I was there. - W4YDY

Partially Submerged NEMO-1 WSPR Buoy Retrieved by Fishing Boat

The NEMO-1 WSPR buy buoy launched by AMSAT-Argentina (AMSAT-LU) on January 30 was retrieved 12 days later by a fishing vessel. The buoy transmitted WSPR on 14.095.6 MHz and APRS on VHF FM using the call sign LU7AA. The captain of the tuna vessel Juan Pablo II considered that the buoy was partially submerged, decided to retrieve it, and informed AMSAT-LU.



The NEMO-1 traveled another 8 days aboard the tuna vessel, arriving at Mar del Plata on February 19, where members of the Mar del Plata Radio Club were holding it until members of AMSAT-LU could recover it. The buoy will be reconditioned, and a new launch is planned, this time taking the buoy more than 200 kilometers (124 miles) offshore, so that it will navigate freely. - via arll.org



YAKKEY-DEE-YAK FROM THE PRESIDENT

It was really great to see what one ole' timer called the "largest crowd in 15 years at the ACARC". There were around 60 at the meeting and they all seem to enjoy the feature program. Bill Brodie, K3TGY, put on an outstanding program and demonstration on RTTY. We had hoped that he could present a program in March on microprocessor control of his RTTY repeater, but he has had some delivery delays from the cabinet manufacturer. So he won't be pushed too much, we have moved that program back to May.

In March, I know we will have another outstanding technical program that will or should be of much interest to all. Carl, W5JJ, will talk about his favorite subject, "Some Misconceptions about SWR". Oklahoma City is very fortunate to have an expert and author on the subject right here in our area. I think that it is one of the most misunderstood subjects in amateur radio. Some of the theories that are heard on the amateur bands sound more like science fiction!

The Wiretap article that Rob, W5JES, submitted, has had some good responses. At least 7 Aeronautical Center employees have expressed interest in code and theory classes. We would like to get some started as soon as possible or we might have to wait until Fall. I want someone to take this project and go with it. Hopefully, we will have a chairman by the time you read this.

At the February meeting, George, WSNTL, and Bob, W5HXL, volunteered to be co-chairman for Field Day activities this year. All of those interested should get in touch with them to formulate plans.

Bill, W5NI, and Rob, W5JES, coordinated a project to put W5PAA QSL cards with club meeting times and a list of officers on the Aeronautical Center bulletin boards. Thanks to both for handling this project.

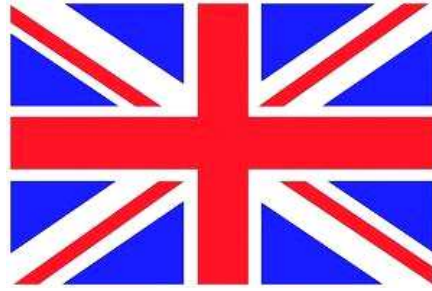
We are still looking for good programs for future meetings. Lloyd, W5IHUP, has come up with several ideas including the one that K3TGY plans for the May meeting. I am especially interested in technical programs because they usually have the largest turnout for meetings. I have ask W5IHUP to be the club program chairman. So he will be looking for assistance in this area.

At the last meeting, Rob was taking orders for ACARC name tags at \$2 each. The club makes nothing on these tags. He also signed up a number of new members. And we are working to sign up more. And a note to new members and newly licensed amateurs. Just because you are new to the club, don't sit back and let someone else run the club. Volunteer when asked and if you need help or guidance, other club members will be there to back you. You will be surprised at what you could do and how much you will enjoy your hobby. I know. It happened to me and I've seen it happen to others.

Dave, W4YDY

UK Telecoms Regulator Ends Policy of Granting Two-Letter Call Sign Suffixes

UK telecommunications regulator Ofcom has said it no longer will issue two-letter suffix call signs to Full Licence holders. Since mid-2018, radio amateurs attaining the highest-class license have been able to apply for “short” call signs such as M5xx. The policy has provided a major incentive to upgrade. Ofcom said



call signs with only two letters in the suffix are only available to applicants who previously held them. The change in policy affects the granting of old amateur radio call signs issued prior to World War II, but it does not affect call signs Ofcom has already issued. — Thanks to Southgate Amateur Radio News - via arrl.org 02/28/2020

International Space Station Resupply Mission to Carry New ARISS Ham Radio Gear

The scheduled March 7 SpaceX CRS-20 mission to the International Space Station (ISS) will include the initial Amateur Radio on the International Space Station (ARISS) Interoperable Radio System (IORS) flight unit. The IORS is the foundation of the ARISS next-generation amateur radio system on the space station. The ARISS hardware team



built four flight units, and the first will be installed in the ISS Columbus module.

A second flight unit expected to be launched on a later 2020 cargo flight will be installed in the Russian Service Module. NASA contracts with SpaceX to handle ISS resupply

missions. The IORS represents the first major upgrade of on-station ARISS equipment. The package will include a higher-power radio, an enhanced voice repeater, and updated digital packet radio (APRS) and slow-scan television (SSTV) capabilities for both the US and Russian space station segments.

The IORS consists of a custom-modified JVC Kenwood TM-D710GA transceiver, an AMSAT-developed multi-voltage power supply, and interconnecting cables. Once at the space station, the IORS will be stowed for later installation. - via arrl.org 02/28/2020

2020 Membership Dues

It's that time of the year once again. Membership dues for BARC will be due January 1. Membership dues are as follows and are the same as 2019:

- Regular Member \$20.00
- Family Member \$2.00
- Associate Member (Non-Licensed) \$5.00
- Life Member \$0.00
- New Hams: 18 and younger (1st year) \$5.00
- New Hams: 19 and older (1st year) \$10.00

We are requesting that you send the application form in, so that we can have your correct information on file. The form can be downloaded at <http://www.w4amc.com/barc-application.html>.

Please give the application and dues to the Treasurer at the meeting or mail your dues, along with the member application form to:

Brightleaf Amateur Radio Club
P.O. Box 8387
Greenville, NC 27835

Those who have not renewed their dues by April 1, 2020 will be removed from the roster and the Ham Chatter mailing list. Membership will be reinstated upon receipt of 2020 dues.

If there are any questions concerning membership status or dues, please contact Jim Lowe, AC4JL, (2020 Treasurer) at <treasurer@w4amc.com> or (252) 320-6545.

Thank you for your continued support and participation in BARC.

Coronavirus Fears Postpone Another DXpedition

Alex Gromme, 5B4ALX, has postponed his March 18 – April 2 T30ET DXpedition to Tarawa (West Kiribati) because of the coronavirus (COVID-19) outbreak. The Kiribati Ministry of Health told Gromme that he would need to be quarantined for 14 days in Honiara, Solomon Islands, before getting medical approval to continue on to Kiribati. “T30ET is currently postponed, not deleted,” Gromme said on his website. He's now looking at October 2020, assuming the COVID-19 situation is resolved by then.

Last week, travel restrictions imposed on individuals entering American Samoa as a result of the coronavirus outbreak caused Swains Island W8S DXpedition organizers to postpone that DXpedition until later in the year. The team members were unable to comply with a 14-day mandatory quarantine in Hawaii. The DXpedition announced tentative dates of September 23 – October 6. - via arrl.org

FCC Turns Down Amateur Licensee's Appeal It's Never Too Late to Upgrade



In a Memorandum Opinion and Order (MO&O) released on February 20, the FCC turned down an appeal by William F.

Crowell, W6WBJ, of Diamond Springs, California, of an Administrative Law Judge's (ALJ) dismissal of Crowell's amateur radio license renewal application. Chief ALJ Richard L. Sippel, ruled in 2018 that Crowell "failed to prosecute his application by refusing to attend a hearing scheduled by the judge," and that this warranted dismissal of Crowell's 2007 renewal application. The FCC Wireless Telecommunications Bureau had designated Crowell's renewal application for hearing based on allegations that he had violated the Communications Act and FCC rules by causing intentional interference and by transmitting one-way communications, indecent language, and music on amateur frequencies. The hearing was set to be held in Washington, DC, and Crowell filed a notice of appearance certifying that he would appear and present his case.

The case was interrupted by what the FCC in the MO&O called "a hiatus of several years, during which Crowell's petition to disqualify the Judge was pending."

In August 2016, the FCC imposed a \$25,000 fine on Crowell for intentional interference and transmitting prohibited communications. The FCC said in a Forfeiture Order (FO) that the penalty "is based on the full base forfeiture amount as well as an upward adjustment reflecting Mr. Crowell's decision to continue his misconduct after being warned that his actions violated the Communications Act and the Commission's rules." The FCC noted that Crowell did not deny making the alleged transmissions but argued in large part that they were protected by the First Amendment of the Constitution," the Forfeiture Order said. The February 20 MO&O does not reference the Forfeiture Order nor its disposition.

When the renewal application litigation resumed in 2017, Crowell asked that the hearing be moved to the Sacramento, California, area, arguing that he could not afford to travel to Washington. Sippel denied the motion.

"In the Dismissal Order, the Judge responded to Crowell's refusal to attend a hearing in Washington, D.C., by granting the Enforcement Bureau's motion to dismiss Crowell's application," the FCC said in its MO&O. The ALJ held that Crowell's refusal to attend a hearing in Washington, DC, "constituted a failure to prosecute and thereby effectively violated Section 1.221(c) of the rules, which requires dismissal if an applicant fails to commit to appear on the date fixed for hearing." The Judge agreed with the Enforcement Bureau that many of the arguments Crowell raised on appeal "are not properly before us in reviewing the Dismissal Order and should be disregarded."

Crowell's amateur license expired in 2007, but he has been permitted, under FCC rules, to operate while his renewal application remains pending. - *arrl.org 02/26/2020*

Coronavirus Outbreak Postpones Swains Island W8S DXpedition



The W8S DXpedition to Swains Island in the Pacific, set to take place in mid-March, has been postponed until fall as a result of travel restrictions imposed on individuals entering American Samoa, stemming from the recent coronavirus outbreak. The Department of Health allows non-residents to enter American Samoa only via Hawaii after a 14-day mandatory quarantine in Hawaii, and the DXpedition was unable to accommodate that requirement.

"Everything is prepared for our DXpedition, and we are eager to go, but unfortunately the coronavirus outbreak is out of our control," the DXpedition team said in announcing the delay. "Although this is a disappointment for everyone, the W8S DXpedition is not cancelled, but just postponed for later this year."

The DXpedition said it would alert the DX community as soon as it has new firm dates for the trip. - *via arrl.org*

George "Buck" Miner, K6RFE, of Sun City, Arizona, has been an active ham since earning his first license in 1956, upgrading to a General-class license 10 months later. It wasn't until January 26, however, that he upgraded to Amateur Extra — at the age of 94.



Miner began losing his sight at a young age and became totally blind when he was 27. That never slowed him down, however. Over the intervening years, he repaired TVs and sold, repaired, and installed two-way radios. He even managed a 200-acre ranch on the northern California coast, where he fished and dived for abalone.

Miner was a local celebrity, too, producing and hosting a live radio show in Eureka, California — "Chuck Star and his Rambling Guitar" — on which he told stories, sang, and played guitar. To survive living alone, he learned to cook for himself and has produced several "Buck's Miracle Kitchen" YouTube videos that humorously demonstrate how he cooks without sight.

Miner has written several books, including an autobiography, *My Darkness under the Sun*. He's also composed hundreds of songs, including "CQ Boogie," and he continues to play his guitar and sing for fun and profit. — *Thanks to Bob Ringwald, K6YBV - via arrl.org 02/25/2020*

A Great Radio/TV History site

Many magazines, books, catalogs and other publications about radio and TV back to the early 20th Century.. All 73 Magazines, Ham Radio Magazines, QST up to 12-49, Popular Electronics, and much more. <https://www.americanradiohistory.com/>

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.**

FOR SALE: Yaseu Vx5 and Icom IW32A the Icom radio is a true dual band radio. \$75 for each radio. Richard Campbell, **W4JNC** (252) 758-1244 or richardecu@gmail.com.

FOR SALE: BUDIPOLE ANTENNA - A complete budipole antenna system, with extra parts to make a 3 ele 2 mtr, or a 3 ele 6 mtr beam. All contained in one carrying bag. \$375.00. Email Bernie Nobles, **WA4MOK** <wa4mok @ embarqmail.com>

Classic Collins station FOR SALE

KWM-2 Transceiver, Serial # 149 - Winged Emblem. Original box, 3 "KWM-2" Instruction books, dated Aug 1959, Oct 1959, Apr 1960. One "KWM-2 and KWM-2A" Instruction book dated Feb 1969. Collins Service bulletins and modification, Collins cables, mod records. Set of spare tubes and a spare relay. Heathkit Q Multiplier GD-125, used as peak and notch filter on KWM-2. \$500. One owner. See the station at <https://www.qsl.net/w4ydy/>.

512F-2 Power Supply, Serial # 2200 - Winged Emblem. Original box. Parts list and schematic in KWM-2 instruction books. Replaced tubes and all of the electrolytic capacitors in May 2018. One owner. \$250. Both: KWM-2 & PS, \$650.

GREAT PRICES! Internet prices **higher!**

30L-1 PARTS: New plate transformer in OEM box. \$200. New fan \$60. Email **w4ydy @ arrl.net**
Will consider best offer for all above.

Pitt County Repeater Association

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

BARC on FACEBOOK

<https://www.facebook.com/w4amc/>

Facebook and Group details

<http://www.w4amc.com/barcnews.html#BARC>

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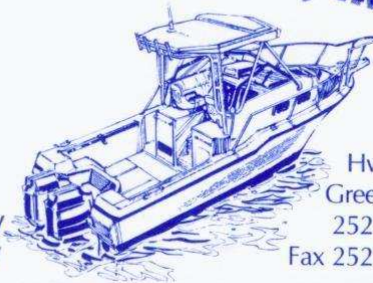
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Undersea Expedition Planned to Retrieve Titanic's Radio Gear **NETS**

The company with sole rights to salvage artifacts from the RMS Titanic has gone to court to gain permission to carry out a "surgical removal and retrieval" of the Marconi radio equipment on the ship, a Washington Post article reports. The Titanic sank in 1912 on its maiden voyage after striking an iceberg in the North Atlantic. As the radio room filled with water, radio operator Jack Phillips transmitted, "Come at once. We have struck a berg. It's a CQD, old man," and other frantic messages for help, using the spark transmitter on board. CQD was ultimately replaced with SOS -- which Phillips also used -- as the universal distress call. The passenger liner RMS Car-

pathia responded and rescued 705 of the passengers.

As might be expected, the deteriorating Marconi equipment is in poor shape after more than a century under water. The undersea retrieval would mark the first time an artifact was collected from within the Titanic, which many believe should remain undisturbed as the final resting place of some 1,500 victims of the maritime disaster, including Phillips. The wreck sits on the ocean floor some 2 1/2 miles beneath the surface, remaining undiscovered until 1985.

A just-signed treaty between the UK and the US grants both countries authority to allow or deny access to the wreck and to remove items found outside the vessel. "This momentous agreement with the United States to preserve the wreck means it will be treated with the sensitivity and respect owed to the final resting place of more than 1,500 lives," British Transport and Maritime Minister Nusrat Ghani said in a statement.

The request to enter the rapidly disintegrating wreck was filed in US District Court in Eastern Virginia by RMS Titanic, Inc. of Atlanta, Georgia, which said that it hopes to restore the Titanic radio transmitter to operating condition, if it is allowed to go forward.

The company plans to use a manned submarine to reach the wreck and then deploy a remotely controlled sub that would perforate the hull and retrieve the radio equipment. - *ARRL Letter* 2/6/20



A recreation of the Titanic radio room.

Down Under Special Event Will Use Former Radio Australia Antennas

Over the March 14 – 15 weekend, members of the Shepparton and District Amateur Radio Club (SADARC) <<http://www.sadarc.org/>> in Australia will be on the air as VI3RA (Radio Australia), connecting their transceivers to the curtain array and rhombic antennas at the former Radio Australia site in Shepparton. Radio Australia ceased transmitting from the site in 2017. VI3RA will operate on 40, 30, 20, 17, and 15 meters.

"Local amateurs will be given the unique opportunity to explore the use of high-gain antennas whilst giving amateurs throughout the world a unique opportunity to contact a station using such high-gain antennas," said SADARC

President Peter Rentsch, VK3FPSR (Australia's call sign structure accommodates four-letter suffixes). "This is a rare opportunity for amateur radio operators, who are only allowed a peak output power of 400 W in Australia when compared to 100 kW of Radio Australia transmitters to hopefully achieve some remarkable communication outcomes. We expect to get a gain of 15 dB on the lower frequencies and at least 20 dB on 21 MHz."

The special event is being conducted in cooperation with BAI Communications (Broadcast Australia). More information is on the club's website. - *via arrl.org*

VHF/UHF

♦**BARC Net**, Mondays, 2000 on 147.09 MHz, W4GDF Repeater.

♦**Down East Hospital Net**, 2nd Tuesday of each month at noon

Greenville 444.725 MHz, 91.5 tone N4HAJ

Fountain 444.425 MHz, 88.5 Tone N4HAJ

♦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 (20wpm)

♦3.573 2200 hours, slow speed (12-14 wpm), South Carolina/North Carolina

National Traffic System

Eastern North Carolina Traffic Net (ENCTN) 146.685 (146.085 in) Mhz (PL 88.5) 2030E

BARC Email Addresses

*President @ w4amc.com

to Dave Wood, **W4EJ**

*Treasurer @ w4amc.com

to Jim Lowe, **AC4JL**

*VE @ w4amc.com

to Gary Coriell, **KK4GC**

*Hamchatter @ w4amc.com

to Dave Langley, **W4YDY**

*QSL @ w4amc.com

to Richard Campbell, **W4JNC**

*BARC @ w4amc.com

to Mike Monteith, **KM4OLT**

BARC CALENDAR OF EVENTS

Mar 7/8.....	ARRL SSB DX Contest	May 30/31.....	CQ WW CW WPX Contest
Mar 10.....	Regular Meeting	Jun 9.....	Regular Meeting
Mar 28/29.....	CQ WW SSB WPX Contest	Jun 16.....	BARC VE Session
Mar 31.....	Board Meeting	Jun 27/28.....	ARRL Field Day
Apr 4.....	Down East Hamfest - Kinston, NC	Jun 30.....	Board Meeting
Apr 4.....	Ham Chatter Deadline	Jul 4.....	Ham Chatter Deadline
Apr 11.....	RARSfest - Raleigh, NC	Jul 11/12.....	IARU HF World Championship
Apr 14.....	Regular Meeting	Jul 14.....	Regular Meeting
Apr 21.....	BARC VE Session	Jul 28.....	Board Meeting
Apr 28.....	Board Meeting	Aug 1.....	Ham Chatter Deadline
May 2.....	Ham Chatter Deadline		
May 12.....	Regular Meeting		
May 26.....	Board Meeting		
May 30.....	Ham Chatter Deadline		

Regular Meeting - 2nd Tuesday @ 7:00 PM
Board Meeting - Last Tuesday @ 7:00 PM
 Contest Calendar: All the rules.
<https://www.contestcalendar.com/weeklycont.php>

BARC 2 METER NET - MONDAY NIGHTS AT 8:00 PM - 147.09 W4GDF REPEATER - 131.8 Tone
 Down East Hospital Net - 2nd Tuesday at noon - Greenville 444.725 MHz, 91.5 tone N4HAJ
 BRIGHTLEAF AMATEUR RADIO CLUB STATIONS

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



Next Meeting
 March 10, 2020

March 2020

To:



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