

Ham Chatter



Volume 54 Issue 9

An Official BARC, W4AMC, Publication

September 2020

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Email: hamchatter @ w4amc.com

BARC in-person Meetings, Regular, Board and VE sessions cancelled until further notice.

Next Meeting - On ZOOM. September 8, 2020, 7 PM

FCC Proposes to Reinstate Amateur Radio Service Fees - \$50!

Amateur radio licensees would pay a \$50 fee for each amateur radio license application if the FCC adopts rules it proposed this week. Included in the FCC's fee proposal are applications for new licenses, renewal and upgrades to existing licenses, and vanity call sign requests. Excluded are applications for administrative updates, such as changes of address, and annual regulatory fees.

The FCC proposal is contained in a Notice of Proposed Rulemaking (NPRM) in MD Docket 20-270, which was adopted to implement portions of the "Repack Airwaves Yielding Better Access for Users of Modern Services Act" of 2018 — the so-called "Ray Baum's Act."

The Act requires that the FCC switch from a Congressionally-mandated fee structure to a cost-based system of assessment. In its NPRM, the FCC proposed application fees for a broad range of services that use the FCC's Universal Licensing System (ULS), including the Amateur Radio Service that had been excluded by an earlier statute. The new statute excludes the Amateur Service from annual regulatory fees, but not from application fees.

"[A]pplications for personal licenses are mostly automated and do not have individualized staff costs for data input or review," the FCC said in its

NPRM. "For these automated processes — new/major modifications, renewal, and minor modifications — we propose a nominal application fee of \$50 due to automating the processes, routine ULS maintenance, and limited instances where staff input is required."



The same \$50 fee would apply to all Amateur Service applications, including those for vanity call signs. "Although there is currently no fee for vanity call signs in the Amateur Radio Service, we find that such applications impose similar costs in aggregate on Commission resources as new applications and therefore propose a \$50 fee," the FCC said.

The FCC is not proposing to charge for administrative updates, such as mailing address changes for amateur applications, and amateur radio will remain exempt from annual regulatory fees. "For administrative updates [and] modifications, which also are highly automated, we find that it is in the public interest to encourage licensees to update their [own] information without a charge," the FCC said.

The FCC also proposes to assess a \$50 fee for individuals who want a printed copy of their license. "The Commission has proposed to eliminate these services — but to the extent the Commission does not do so, we propose a fee of

The Brightleaf Amateur Radio Club will have its next meeting Tuesday, September 8, 2020 at 7 PM. The meeting will be on ZOOM. See front page article in the April, 2020 *Ham Chatter* for details on setting up and signing in. Contact Peter Van Houten, **N4PVH**, for details if you are having trouble setting up.

There will be nominations for 2021 BARC Officers. Please step up to help the club in 2021. Send your nominations to BARC President Dave Wood, W4EJ.

Program: North Carolina Section Manager, Marv Hoffman, WA4NC, Boone, NC, is the guest speaker.

All members, families and guests are invited to attend.

Board Meeting - September 29, 2020
The meeting will be on ZOOM. The next board meeting will be Tuesday, September 29, at 7:00 PM via Zoom. All members invited.

\$50 to cover the costs of these services," the FCC said.

The Ray Baum's Act does not exempt filing fees in the Amateur Radio Service. The FCC dropped assessment of fees for vanity call signs several years ago.

Deadlines for comments and reply comments will be determined once the NPRM appears in the Federal Register. File comments by using the FCC's Electronic Comment Filing System (ECFS), posting to MD Docket No. 20-270. This docket is already open for accepting comments even though deadlines have not yet been set. - via *arrl.org* 08/28/2020

Yikes!!!!!!!!!!!!!!!!!!!!!!

President's Corner, Dave Wood, W4EJ



Dave Wood, W4EJ

I hope everyone is well and staying safe. Our next meeting is via Zoom on September 8th. Our guest this month will be Dr. Martin Hoffman, WA4NC, who is the NC ARRL Section Manager. Dr. Hoffman lives in Boone NC and recently became our new Section Manager. He has hit the ground running with a really good statewide newsletter. This will no doubt be a really interesting meeting.

As I write this we have just returned from Camp Lejeune after conducting another Technician license class for the US Marine Corp. There were 30 marines

in the class and social distancing was interesting to say the least. Twenty two marines elected to take the test and of these, 14 passed and will soon be licensed. We are planning a General Class test sometime in early December.

It is **important** for everyone to get me any nominations for club officers ASAP as our September meeting will be here before we know it. 73 and Zoom your soon. *Dave, W4EJ*

VERY IMPORTANT CORONA VIRUS INFORMATION
WEAR ANY MASK while outside in public AT ALL TIMES (N95, surgical mask or bandanna in that order of effectiveness) as they all reduce the spread of the virus. The data shows that there is a 98% reduction in transmission of the virus if you wash your hands at least 4x a day and wear a mask. Lets ALL DO THIS for the sake of the country!!!!

Dr. Peter Van Houten, N4PVH

Login for BARC meeting on Zoom

Peter Van Houten, N4PVH, will be running Zoom for the meeting. To join, use his Zoom number, 699-723-8982. The password will be sent via email. If you have problems, call or email Peter or another club member.

Well Wishes

Thoughts and Prayers go out to the following:
 Byron Highland, K4BMH
 John McCoy, K4KBB
 Doug Ferris, K4ROK
Please inform Peter Van Houten, N4PVH, of any changes.



Next VE Session

SESSIONS CANCELLED DUE TO COVID-19? STAY TUNED.

Exams will be held on Tuesday, ?????? ??, 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. (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.

In This Issue

<i>FCC Proposes \$50 License Fee</i>	1
<i>Next Meetings</i>	1
<i>Presidents Corner - W4EJ</i>	2
<i>Next VE Session - SEE ABOVE</i>	2
<i>Yakkey-Dee-Yak from Dave</i>	3
<i>Ham Astronauts Going to Space</i>	3
<i>HF Digital Mode Band Plan Review</i>	4
<i>New Contest for Portable Stations</i>	4
<i>Ham Astronaut Returns from ISS</i>	5
<i>Janice, KJ4JPE, John, KJ4EJH, SK</i>	5
<i>Print a Copy of Your FCC License</i>	6
<i>Arecibo Observatory Dish Damaged</i>	7
<i>New Digital Awards Program</i>	7
<i>BARC Calendar of Events</i>	8



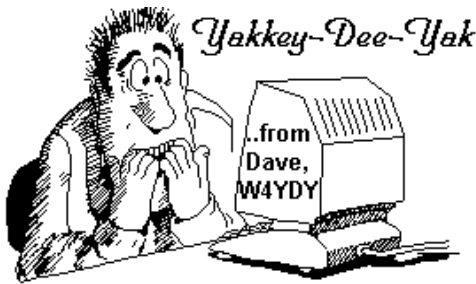
Happy Birthday

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

- 09-01 KC4ROR Rose Wainwright
- 09-05 KQ2V Bro. Simon Jaworski
- 09-06 KD4MTT Mike Langley
- 09-14 WA4DAN Murray Adams
- 09-20 W4FA John Schultz
- 09-26 KC4HHW Billy Elks
- 09-29 WA7FXB Albert Sanchez

Please let me know of any additions or corrections. If yours is missing, I don't have it! Please, please email [hamchatter \(at\) w4amc.com](mailto:hamchatter(at)w4amc.com)

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BARC Officer Nominations

BARC members: Be sure to send your nominations to President Dave Wood, W4EJ, <w4ej15@gmail.com>.

Amateur Radio Service Fees (or Tax?)

It was a surprise to see that the FCC is considering charging for Amateur Radio licenses **again**. In 1971, except for Novice, the fees were \$9 for new or renewal, \$4 for modification (change of name or address), \$6 for duplicate license and \$25 for a special call sign. The fees were effective for several years and the license had to be renewed every 5 years. You had to wait 2 to 5 months for a new license and renewals. Later all fees were dropped until they started the vanity call sign program. I think it was \$50 to start with and lower as time passed. Now there is no charge for new or renewing vanity call signs. But that will change if the new rule is put in effect.

More Marine Hams

Dave Wood, W4EJ, and Jim Lowe, AC4JL, taught another class of 30 Marines at Camp Lejeune the last week of August. After the VE session on Friday afternoon, there are 14 new Amateur Radio operators at Camp Lejeune. Can't remember the exact number of new licenses but it is somewhere around 50 new licenses that is the result of the Brightleaf Amateur Radio Club instructors. Dave and Jim did an outstanding job with the classes and there are more being scheduled.

Band Conditions

How have the HF bands been for you? With the sunspots beginning to improve a tiny bit, I've had some luck from 160 to 6 meters over the last two months. I made almost 500 contacts in August using SSB, CW and digital. Made contacts to six continents, Europe, Asia, Africa, North America, South America and Australia. Use 100 or 600 watts on SSB and CW and 50 watts on digital FT4 and

FT8. Made SSB and CW contacts to mobile stations in 18 states. Using all modes in August, worked 44 states with 40 already confirmed via LOTW and eQSL. So it looks like contacts can be made even with a low sunspots.

But there are some strange conditions. Seems like I seldom hear stations in

VA, WV and MD on any band except 80 meters for the past few months. Normally, I can hear them on 40 and 30 meters very well, but lately, seldom! The last weekend in August seemed to improve with 80 meters good early and later getting weak later in the day. 30 and 40 picked up to strong signals later in the day. - W4YDY

Ham-Astronauts to Crew Boeing, SpaceX Commercial Missions for NASA

Ham-astronauts abound among crew members assigned to pioneering commercial space missions by Boeing and SpaceX. Jeanette Epps, KF5QNU, is the latest astronaut assigned to the Boeing Starliner-1, a four-passenger vehicle that will undertake its first mission to the International Space Station (ISS) in 2021. Others on the crew will include veteran Sunita Williams, KD5PLB, and Josh Cassada, KI5CRH. Another crew member is yet to be named.

Epps, Williams, and Cassada will spend 6 months on the ISS. The flight will follow NASA certification after a successful uncrewed Orbital Flight Test-2 and Crew Flight Test with astronauts. The spaceflight will be the first for Epps and Cassada and the third for Williams, who spent long-duration tours on the ISS for Expeditions 14/15 and 32/33. NASA assigned Williams and Cassada to the Starliner-1 mission in August 2018.

Four veteran astronauts are preparing to launch this fall on the SpaceX Crew 1 mission. They are Victor Glover, KI5BKC; Mike Hopkins, KF5LJG; Shannon Walker, KD5DXB, and Soichi Noguchi, KD5TVP, of the Japan Aerospace Exploration Agency (JAXA).

NASA and SpaceX are targeting no earlier than October 23 for the first operational flight with astronauts of the Crew Dragon spacecraft and Falcon 9 rocket as part of the agency's Commercial Crew Program. The SpaceX Crew-1 mission will be the first regular rotational mission to the space station following completion of NASA certification.

Astronauts Bob Behnken, KE5GGX, and Doug Hurley traveled to the ISS on a SpaceX Crew Dragon in late May, marking the first time that humans traveled aloft via a commercial spacecraft.



NASA's SpaceX Crew-1 crew members in the company's Crew Dragon spacecraft during training. From left to right: Shannon Walker, KD5DXB; Victor Glover, KI5BKC; Mike Hopkins, KF5LJG, and Soichi Noguchi, KD5TVP. [SpaceX, photo]

NASA's Commercial Crew Program is working with the US aerospace industry as companies develop and operate a new generation of spacecraft and launch systems capable of carrying crews to low-Earth orbit and to the space station. Commercial transportation to and from the station will provide expanded utility, additional research time, and broader opportunities for discovery on the orbital outpost, NASA says.

"As commercial companies focus on providing human transportation services to and from low-Earth orbit, NASA will concentrate its focus on building spacecraft and rockets for deep-space missions," the space agency said.

Some of the ham-astronauts will be available for ham radio contacts from the ISS with schools and educational groups via the Amateur Radio on the International Space Station (ARISS) program. - via ARRL Letter, 8/27/2020

IARU Announces HF Digital Mode Band Plan Review



An International Amateur Radio Union (IARU) working group has been formed to develop solutions to reduce congestion within very popular mode segments while preventing mutual interference between “i n c o m p a t i b l e modes” as much as possible. The work-

ing group includes representatives of the three regional band-planning committees, marking the first time the IARU three regions have joined together to directly coordinate band planning efforts.

“Because frequency allocations and amateur radio operating interests vary in different parts of the world, the development of band plans — voluntary guidelines on the use of the spectrum that is available to radio amateurs — is a responsibility of the three IARU regional organizations,” the IARU explained in announcing the working group. “Each of the three regions has a band-planning committee to focus on this work.”

The IARU says this approach to band planning has generally kept pace with the evolution of amateur radio oper-

ating, but the explosive growth in HF digital modes, particularly FT8, has led to perceived overcrowding of HF digital-mode band segments.

The new working group has already had fruitful discussions with the WSJT Development Group led by Joe Taylor, K1JT. Additional discussions, including with other HF stakeholders, will be held as part of a fundamental review of the different HF digital modes, and how they can be best categorized and arranged to share the limited spectrum available.

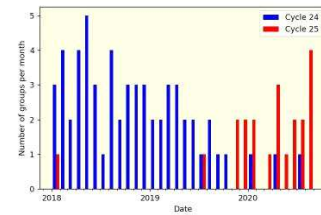
In recent years, moves have been made to bring the regional band plans into alignment wherever possible. Final approval of any band plan revisions typically occurs during regional conferences of IARU member-societies, held every 3 years on a rotating basis.

While the proposed band plan revisions will have to be approved by member-societies in each region, recent administrative changes mean that revisions can be implemented without having to wait for the regional conferences.

Amateurs can follow the working group’s progress through their IARU member-societies and their respective IARU websites (all are accessible via the main IARU page). - *via arrl.org 08/14/2020*

Solar Minimum Most Likely Occurred in December 2019

Sunspot Index and Long-Term Solar Observations (SILSO) in Belgium



said this month that the minimum between Solar Cycles 24 and 25

“most probably” took place last December. SILSO, a part of the Royal Observatory of Belgium and formerly known as SIDC, cited as evidence the January 2020 increase in the 13-month smoothed sunspot number — the first upswing since the Cycle 24 maximum in April 2014.

“[F]or now, this latest smoothed value in January 2020 is the very first point indicating a rise of the activity. So, the date of the minimum still needs a full confirmation over the coming months,” SILSO said on its website. “For now, preliminary smoothed values, limited to less than 13 months, hint at increasing values over coming months. If the rising trend indeed continues, this [December 2019] date will become fully definitive.”

For more on this, go to <http://www.arrl.org/news/solar-minimum-most-likely-occurred-in-december-2019>. - *via arrl.org 08/31/2020*

New Contest for Portable Stations to Debut in October

A new amateur radio contest for portable operators — the Fox Mike Hotel Portable Operations Challenge (POC) — will debut October 3 – 4. The event is aimed at leveling the competitive playing field between



fixed stations and portable stations. Scoring for the POC, based upon a kilometers-per-watt metric, will be handicapped in favor of the portables. The contest is the brainchild of Frank Howell, K4FMH. Sponsors include National Contest Journal (NCJ) — an ARRL publication — but the POC will not be an official NCJ or ARRL contest.

“NCJ’s role is to encourage hams who don’t contest to give it a try,” NCJ Editor Dr. Scott Wright, K0MD, said. “It

will encourage activity by operators who are limited by real estate and do not have a full-blown contest station. Events like this stimulate more interest in contesting, and this will have an international scope to give chances to snare some new DXCC entities.”

Other sponsors include the UK DX Foundation (CDXC), the Hellenic Amateur Radio Association of Australia (HARAOA), and the South African Radio League (SARL).

“I think the [POC] steering committee, consisting of both veteran DX contest participants and some of the best portable operators in the world, has come up with something worth giving a go,” Howell said. “With this scoring metric, it’s more

about radiosport than radio gear.”

According to the contest rules, scoring will be calculated using the distance between stations (Maidenhead grid squares) in kilometers divided by power output in watts. Fixed (QTH) stations will compete against portable (P) stations on 80, 40, 20, 15, and 10 meters. Allowable modes include phone, CW, and digital. For the 2020 event, the number of transmitters concurrently in use will be restricted to two.

Portable stations may not make use of permanently installed amateur radio equipment or facilities but may use ac mains power. The exchange is call sign, station class (P or Q), consecutive serial number, and four-character grid square.

Contact Howell for more information. - *via arrl.org 08/18/2020*

Radio Amateur Takes Part in Historic First Commercial Human Spaceflight to ISS

Bob Behnken, KE5GGX, was one of two NASA astronauts who made spaceflight history over the weekend. Behnken and Doug Hurley were the first astronauts since the 1970s to make a water landing, after their Crew Dragon capsule splashed down in the Gulf of Mexico on Sunday. On May 30, the pair made history as the first live crew to be launched into space in a commercial vehicle, for a stay on the International Space Station (ISS), marking the return of human spaceflight to US soil for the first time in nearly a decade.

A SpaceX Falcon 9 vehicle carried the crew into orbit from Cape Canaveral. The so-called "Demo-2" was the last major test for SpaceX's human spaceflight system, to be certified by NASA for operational crew missions to and from the ISS. Four huge parachutes carried the Crew Dragon capsule to a safe splashdown near Pensacola, Florida, on Sunday, August 1.

"On behalf of the SpaceX and NASA teams, welcome back to planet Earth," SpaceX Engineer Michael Heiman

TRIBUTE TO JOHN, KJ4EJH, AND JANICE, KJ4JPE, HOPKINS (SKs)

Those of us who live in eastern North Carolina felt a double impact when Hurricane Isaias came ashore in Brunswick County as a Category 1 storm – the damage from winds and deadly storm surge during an astrological high tide, and the absence of John and Janice Hopkins. Hams west of I-95 may not have heard of this dynamic couple, but we along the coast depended on them.

They lived in Swansboro, in the stretch known as the Crystal Coast, the critical link between Wilmington and the Outer Banks. John was the Newport NWS SKYWARN Emergency Coordinator; Janet was an ARRL appointed Public Information Officer (PIO). Both were active in ARES® and handled NTS traffic for the Eastern NC Traffic Net. When a storm came up the coast, not only did John and Janice pass vital traffic, they were almost always staffing an area shelter as operators.

They coordinated "Weather Radio Wednesday" with local TV meteorologists where Hams helped citizens program weather radios, and Janice was always pro-

moting Amateur Radio in local newspapers, radio and TV stations.

Sadly, both John and Janice passed away from natural causes in July – John on the 7th and Janice three weeks later. Seldom have we seen such an energetic husband-wife Ham Radio team, especially in public service. We're already feeling the void with one hurricane under our belt in 2020, and potentially more to come.

Our thoughts are not only with their family members, but with all Hams whose lives were made better with their ceaseless devotion to our hobby. I want to thank North Carolina Section Manager Marv Hoffman, WA4NC, for allowing me this opportunity to share with our fellow Tarheels the legacy of this dedicated couple.

73 de Bill Morine, N2COP

ARRL Roanoke Division – Vice Director
Wilmington

Via ARRL North Carolina Section Newsletter, Section Manager: Marvin K Hoffman, WA4NC



Bob Behnken, KE5GGX (left), & Doug Hurley after splashdown

radioed to the crew after their landing. "And thanks for flying SpaceX."

NASA Administrator Jim Bridenstine proclaimed that the US was entering a new era of human spaceflight, noting that NASA was no longer the only option for US space travel. "We are going to be a customer," he said. NASA has contracted

with two companies — SpaceX and Boeing — to ferry astronaut crews to and from the ISS.

While part of the space station crew for 2 months, Behnken and Astronaut Chris Cassidy, KF5KDR, the sole American on board when their Endeavour capsule docked, carried out four spacewalks to install new batteries on the ISS.

The SpaceX Crew Dragon vehicle was designed for short-term missions, and Behnken and Hurley's mission had only been expected to last

a week. As a result, Behnken did not receive Amateur Radio on the International Space Station (ARISS) training on the radio gear in the Russian sector. NASA subsequently decided to monitor the mission and make a decision on how long the Crew Dragon would stay. Cassidy fielded all ARISS school contacts. - *via arrl.org*

08/05/2020

Outages Affect Receipt of Applications, FCC License Processing

08/07/2020

The Newington, Connecticut, US Post Office, which serves ARRL Headquarters, is without power, so ARRL is receiving little or no mail, affecting the receipt of amateur radio exam session paperwork as well as other mail and parcels. The outage is a result from damage due to Tropical Storm Isaias. In addition, the FCC electronic batch filing system was down for about 24 hours and did not process any license applications — amateur or commercial — during that period. The FCC batch-file system now appears to be operating normally. - *via arrl.org*



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: Yaesu Vx5. \$75. Richard Campbell, **W4JNC** (252) 758-1244 or richardecu@gmail.com.

FOR SALE: Three 10 foot sections of Rohn 25G tower for sale. Priced to sale, \$50 each. Bill Dawson, **WA4SLC**, (252) 946-4760, or email DAWSONW@ecu.edu

How to print a copy of your FCC License

by Jim, KV4SJ

To access an official copy of your license:

1. Go to: <https://wireless2.fcc.gov/UlsEntry/licManager/login.jsp>
2. Log in with your FRN and password. (Also has links to find or get your FRN.)
3. Click on "Download Electronic Authorizations" in the links on the left hand side.
4. Select your call sign in the box labeled "My Authorizations" and click on the Add button to copy it into the "Authorizations to Download" box.
5. Click on the Download button to download an official copy of your license in PDF format.

via Forsyth ARC Newsletter, August 2020

BARC MEMBERS

If you are not receiving *Ham Chatter* email notices from me, please send an email to ham-chatter@w4amc.com so I can get your email address. I know some have said they do not receive them but haven't sent me their address. You may miss some important BARC notices. - W4YDY

BARC on FACEBOOK

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

Facebook and Group details

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

Pitt County Repeater Association

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

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Arecibo Observatory Reflector Dish Damaged after Cable Snaps

An auxiliary cable that helps to support a metal platform above the Arecibo Observatory radio telescope's reflector dish in Puerto Rico snapped in the early morning hours of August 10, causing a 100-foot gash in the reflector dish. Operations at the world-famous observatory, managed by the University of Central Florida (UCF) have been halted until repairs can be made. When the 3-inch cable fell, it also damaged about a half-dozen panels in the Gregorian Dome above the dish and twisted the platform used to access the dome. The cause of the cable break is not yet clear.



The main collecting dish at Arecibo is among the world's largest single-dish radio telescopes. The reflector disk is 1,000 feet in diameter, 167 feet deep, and covers an area of about 20 acres.

"We have a team of experts assessing the situation," observatory director Francisco Cordova said. "Our focus is assuring the safety of our staff, protecting the facilities and equipment, and restoring the facility to full operations as soon as possible, so it can continue to assist scientists around the world."

UCF manages the National Science Foundation (NSF) facility under a cooperative agreement with Universidad Ana G. Méndez and Yang Enterprises Inc. Home to one of the most powerful tele-

scopes on the planet, the facility is used by scientists around the world to conduct research in the areas of atmospheric sciences, planetary sciences, radio astronomy, and radar astronomy. Arecibo is also home to a team that runs the Planetary Radar Project supported by NASA's Near-Earth Object Observations Program in NASA's Planetary Defense Coordination Office, through a grant awarded to UCF.

The facility has endured many hurricanes, tropical storms, and earthquakes since it was built 50 years ago. Repairs from Hurricane Maria in 2017 are ongoing. Through it all, the facility has continued to contribute to significant breakthroughs in space research in the area of gravitational waves, asteroid characterization, planetary exploration, and more.

The largest single-dish radio telescope in the world for decades, Arecibo was bumped into second place in 2016 by the Five hundred-meter Aperture Spherical Telescope (FAST) in China.

The Arecibo Observatory Radio Club operates KP4AO at the site, mostly on special occasions. — Thanks to UCF and other sources - *via arrl.org 08/12/2020*

Grid and Prefix Award Program Announces Digital Awards Program



The Grid and Prefix Award Program (GAPA) has announced the establishment of a comprehensive Digital Awards Program. Awards are available for radio amateurs and shortwave listeners (SWLs) for confirmed grids and pre-

fixes worked or heard using digital modes.

"This is not an award based on the station you are using, but rather the operating prowess of the operator," explained Alan Sorum, WL7CG.

Contacts made under any call sign you may have used in the past are valid for confirmations; there is no start time, so all confirmed digital contacts are acceptable. The program accepts electronic confirmations. Certificate costs are minimal, typically far less than a dollar.

Visit the GAPA website or contact Alan Sorum, WL7CG, for more information. - *via arrl.org 08/12/2020*

NETS

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

Sep 8. **Regular Meeting - 7PM**
 Sep 26/27 CQ WW RTTY DX Contest
 Sep 29. **Board Meeting - 7PM**
 Oct 3 Ham Chatter **Deadline**
 Oct 13 **Regular Meeting - 7PM**
 Oct 20 BARC **VE Session - 6:30 PM**
 Oct 24/25. CQ WW SSB DX Contest
 Oct 27. **Board Meeting - 7PM**
 Oct 31. Ham Chatter **Deadline**
 Nov 7/8 ARRL CW Sweepstakes
 Nov 10 **Regular Meeting - 7PM**
 Nov 21/22. ARRL SSB Sweepstakes
 Nov 24 **Board Meeting - 7PM**
 Nov 28 Ham Chatter **Deadline**
 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 15 BARC **VE Session - 6:30 PM**
 Dec 29 **Board Meeting - 7PM**
 Jan 1. ARRL Straight Key Night
 Jan 2. Ham Chatter **Deadline**
 Jan 2/3 ARRL RTTY Roundup
Jan 5 ** W4YDY RETIRES AS HAM CHATTER & WEB SITE EDITOR **
 Jan 5/6 ARRL 160 Meter Contest
 Jan 12. **Regular Meeting - 7PM**
 Jan 26. **Board Meeting - 7PM**
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



September 2020
 Next Meeting on ZOOM
 September 8, 2020 - 7 PM

To:



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