

HAM CHATTER



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



Volume 54 Issue 12

An Official BARC, W4AMC, Publication

December 2020

Editor, Dave Langley, W4YDY

Email: w4amc @ qsl.net

All BARC in-person Meetings cancelled until further notice.

**Next Meeting - On ZOOM
December 8, 2020, 7 PM**

John P. McCoy, K4KBB, SK

John McCoy, **K4KBB**, 84, became a Silent Key when he passed on November 30, 2020. John had been in declining health over the past few years. John was a Life Member of BARC. He was a great supporter of the club and a lot of it was behind the scenes. He also served several officer positions over the years.



John P. McCoy, K4KBB, SK

John was from Bishopville, SC. After high school, he went to Clemson University majoring in electrical engineering. After two years, he started work in a radio electronics wholesale parts house. He got a Conditional Class license, **K4KBB**, in 1956 since he lived too far from an FCC office. He dropped out of Amateur Radio for a while and his license expired. He got it back in 1995 and got his old call sign back via the vanity system.

BARC sends condolences to his wife Barbara and family.

See the Meet the BARC Member article about John at <https://www.qsl.net/w4amc/hc/pdf/hc9804.pdf>

Arizona Congresswoman Introduces National Amateur Radio Operators Day Resolution



US Representative Debbie Lesko of Arizona has introduced a resolution designating April 18, 2021, as National Amateur Radio Operators Day, to recognize the important contributions of amateur radio operators.

"Amateur radio operators are critical in times of crisis and our communities are safer thanks to their dedication to sharing important information with the public," Lesko said. She was approached to introduce the resolution by 12-year-old Raymond, N7KCB, from Peoria, Arizona.

"I started Long Distance Responders so I can help prepare the community for emergencies with amateur radio," said Raymond. "There might be a price for a radio, but the ability and knowledge to help someone is truly priceless."

As Lesko's resolution notes, World Amateur Radio Day (WARD) is celebrated annually on April 18 to commemorate the founding of the International Amateur Radio Union (IARU) in 1925, and she said her resolution recognizes the amateur radio community with a national day in the United States in 2021. The resolution cites the Amateur Radio Emergency Service (ARES®) for providing "invaluable emergency communications services following recent natural disasters, including but not limited to helping coordinate disaster relief efforts following Hurricanes Katrina, Wilma, and Maria and other extreme weather disasters." - via arrl.org 11/19/2020

The Brightleaf Amateur Radio Club will have its next meeting Tuesday, December 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.

2020 Peer Awards will be announced and certificates will be awarded to 2020 Board members and other appointees of BARC. Also, 2021 Officers will be announced.

Program from **N4PVH**: "An online Christmas party" so everyone have their favorite beverage, a snack and a Christmas party hat on for the meeting! We will try to have break out rooms where people can go to have separate conversations and then return to the main meeting. It should be fun for all!!!

All members, families and guests are invited to attend.

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

**Brightleaf ARC Membership
Dues on Page 7. Due on January
1, 2021. Support BARC.**

Login for BARC meetings 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.

President's Corner, Dave Wood, W4EJ



Dave Wood, W4EJ

I hope this message finds everyone doing ok and healthy. It's hard to believe that another year has gone by, not a normal year with all the stresses of the pandemic.

This is my last "President's Corner" as Peter will be taking over the reins of President for 2021. Hopefully, we'll get the virus behind us and Zoom will just be a bad memory for most.

The next meeting will be December 8th at 7pm again via zoom. Peter is planning a Christmas party for us on Zoom and it should be a lot of fun. The end of year awards will be announced and we will usher in the Christmas spirit! 73 and hope to see everyone soon.
Dave, W4EJ



Happy Birthday

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

12-02	W4ZRA	Rick LaMonica
12-11	KG4CCX	Tod LeMoine
12-13	KC4RBE	June Highland

Please let us know of any additions or corrections. If yours is missing, we don't have it! Please, please email the editor.

2021 BARC Officers Elected

The following were elected at the November regular meeting on Zoom. Since there was no opposition for any office, they were elected after a motion was made to elect them and passed.

President, Peter Van Houten, **N4PVH**
 Vice President, Byron Highland, **K4BMH**
 Secretary, Beth Gonzalez, **KN4FZB**
 Treasurer, Jim Lowe, **AC4JL**
 Trustee, David Meeks, **KN4VJR**
 Trustee, Past President Dave Wood, **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

Well Wishes

Thoughts and Prayers go out to the following:

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, 12/15/20, 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.

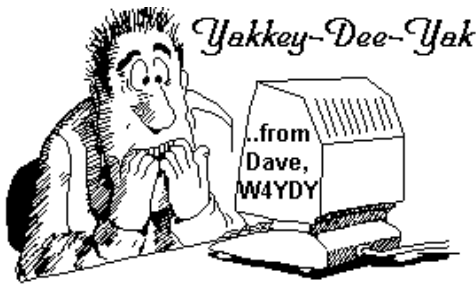
Please bring the following required:

- 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. *

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John McCoy, K4KBB, SK

John McCoy, K4KBB, passed away on November 30, 2020. He had been in declining health for the past few years. Condolences to Barbara and his family.

John and I became very good friends especially when we found out that we had made a contact on Sunday, December 15, 1957 using SSB on 3865 kc. That's kHz for you newbies! The contact lasted 30 minutes and was from 1:20 AM to 1:50 AM. Why was I even up at that time? John was in Bishopville, SC and I was living in Raleigh working at WRAL-TV. I probably had worked a late shift and got on the radio. I had just got on SSB about 6 months earlier being the first SSB station in Wake County and Raleigh. I enjoyed using the Collins 75A-4 receiver and Hallicrafters HT-32 transmitter and was very active on 75 meter SSB. There were 3 other stations in the round table, K4OVV, Florence, SC, W4ZPD, Greenville, NC and W4HUL, Winston-Salem.

When I told John about the contact in the mid 1990s, he said he believe he remembered it. He said he remembered his friend, K4OVV, was with us. I check my log again and told John that he was right! John also checked with his friend who also remembered the contact.

John was very helpful to all club members that needed his assistance. You couldn't ask for a better friend. He will be missed very much by many present and past club members.

Brightleaf ARC Field Day Results

The December issue of QST has the scores of the 2020 Field Day. The Brightleaf ARC had a score of 3,337 points with 8 operators uploading their scores to the Brightleaf ARC. Don't know how we stood with other clubs but there is more detail in the digital version on arrl.org. I looked at it for a few min-

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Brightleaf Amateur Radio Club Inc Change

Location: Greenville, NC

Support your favorite charity at no extra cost when you shop at smile.amazon.com.

About AmazonSmile



Generated by you

\$0.00

as of November 22, 2020

All US charities have received

\$216,932,702.17

as of November 2020

Your AmazonSmile impact

Stop! Don't do any more Christmas shopping until you change your Amazon Smile charity to Brightleaf Amateur Radio Club. By designating Brightleaf as your charity, a small donation will automatically be made to the club from each eligible purchase that you make. It costs you nothing extra, but will add up to support for the club.

You will need to go to smile.amazon.com and sign in to your existing account (you can create an account there if you don't already have one).

Right under the search bar is a button that says AmazonSmile. Hovering over that button brings up a box which allows you to choose a charity. There is either the word "change" highlighted in blue or a grey "change" button. Either one will take you to the next step.

My page comes up with a list of "spotlight charities" and a search bar where you will have to type in "Brightleaf Amateur Radio Club".

The search results on the next page will show the name of the club and the location here in Greenville. "Select" our club using the button on the right.

It should bring up a page with a confirmation that you have selected BARC.

You did it! Now you are ready to shop. You must be logged in through the Smile.Amazon.com page (as opposed to Amazon.com) for a donation to be made from your purchases. I added the page to my bookmarks toolbar for easy access.

Submitted by Beth, **KN4FZB**, on the W4AMC Blog.

<https://w4amc.com/2020/11/25/everyone-join-amazon-smile-and-support-barc/>

utes, but didn't find the BARC info. If they had put the category the club was in in the magazine, it would have been easy to find on the digital version.

VE Sessions

Due to the virus, BARC has not had any VE sessions since February, 2020. It's always a pleasure seeing new candidates and upgrades obtain their goals.

Just checked the VE activity on the ARRL site at <<http://www.arrl.org/ve-session-counts>>. There are 847 listed for active and recent VEs. I became a VE in 1995 and have been to 138 sessions. They are the most for BARC members and eleventh in North Carolina out of 847. Gerry Clayton, **K4IDD**, did have the most ses-

sions but as he neared 100, the FCC dropped the Morse code requirement. Gerry always gave the code test so after the code was dropped, he mostly stopped attending sessions. I know if he was still an active VE, he would be ahead of me.

One More To Go!

The next issue of Ham Chatter will be my last to edit. I started editing Ham Chatter in June 1997. Except for a 3 1/2 year break starting in 2015, I did the main editing. During the break, I continued this column and wrote all the local club news. Mark Raysin, **KG4GVJ**, will be the editor starting with the February 2021 issue. It will be on the new W4AMC.COM web site. - **W4YDY**

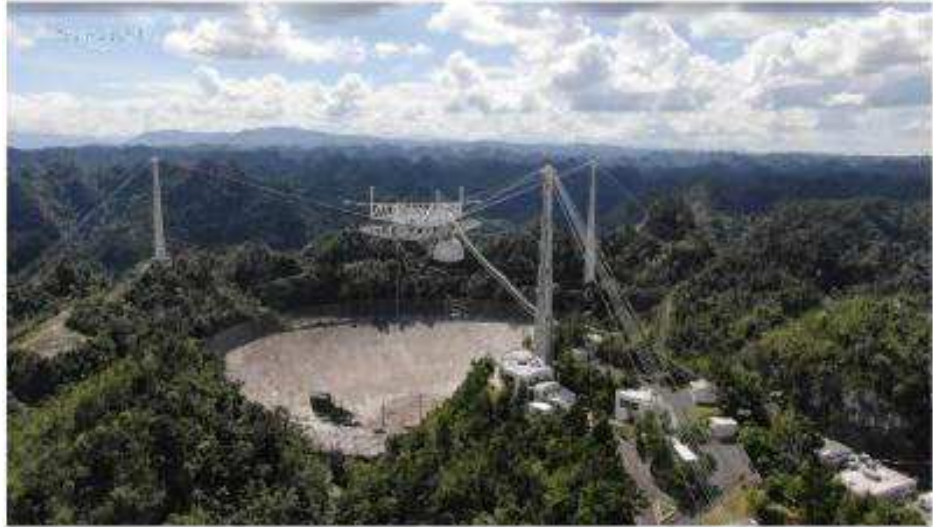
Damaged Giant Radio Telescope at Arecibo Observatory Deemed Beyond Repair

The damaged 305-meter radio telescope at Arecibo Observatory in Puerto Rico will be decommissioned due to safety concerns, the National Science Foundation (NSF) announced on November 19. The iconic dish has served as a backdrop for several science fiction movies. The Arecibo Observatory Amateur Radio Club, KP4AO, is headquartered at the research facility, and several radio amateurs are employed there.

“Following a review of engineering assessments that found damage to the Arecibo Observatory cannot be stabilized without risk to construction workers and staff at the facility, the US National Science Foundation will begin plans to decommission the 305-meter telescope, which for 57 years has served as a world-class resource for radio astronomy, planetary, solar system, and geospace research,” the NSF said. “The decision comes after NSF evaluated multiple assessments by independent engineering companies that found the telescope structure is in danger of a catastrophic failure, and its cables may no longer be capable of carrying the loads they were designed to support.”

NSF said several assessments suggested that any attempts at repairs could put workers in potentially life-threatening danger, and even if repairs were possible, engineers found that “the structure would likely present long-term stability issues,” NSF said.

NSF Director Sethuraman Panchanathan expressed regret about what he called “a profound change,” and said the observatory will explore ways to assist the scientific community and main-



tain its strong relationship with the people of Puerto Rico.

Engineers have been examining the monster dish since August, when one of its support cables let go. NSF authorized the University of Central Florida, which manages Arecibo, to take what it called “all reasonable steps and use available funds to address the situation while ensuring safety remained the highest priority.”

Engineers had designed, and were ready to implement, emergency structural stabilization of the auxiliary cable system, but while arranging delivery of two replacement cables and two temporary cables, a main cable broke on the same tower on November 6. Based on the stresses borne by the second broken cable, engineers concluded that the remaining cables were likely weaker than originally projected. The cables, connected to three towers, suspend a 900-ton

instrument platform that hangs 450 feet above the dish.

“Until these assessments came in, our question was not if the observatory should be repaired but how,” said Ralph Gaume, director of NSF’s Division of Astronomical Sciences. “But in the end, a preponderance of data showed that we simply could not do this safely. And that is a line we cannot cross.”

The decommissioning plan focuses only on the 305-meter telescope and is intended to safely preserve other parts of the observatory that could be damaged or destroyed in the event of an unplanned, catastrophic collapse, NSF said. “The plan aims to retain as much as possible of the remaining infrastructure of Arecibo Observatory, so that it remains available for future research and educational missions.” — The National Science Foundation - *via arrl.org 11/19/2020*

Universal Radio Announces Closing

Ham Radio retailer Universal Radio, headquartered in Worthington, Ohio, is closed its store on November 30, although all existing orders will be filled, and the Universal Radio website will remain open to sell off “remaining stock, publications, and some select products.” Owners Fred Osterman, N8EKU, and Barbara Osterman, KC8VWI, are retiring.

“I am very fortunate to have been in the radio business for over 50 years, 13 at RadioShack and 37 at Universal Radio,”



Fred Osterman said in a message of gratitude to its patrons. “We have met many wonderful people along the journey who have supported me personally as well as Universal Radio. It has been a privilege to have a continuous career in the fascinating field of radio since 1969.”

The new mailing address for Universal Radio is 752 N State St. Unit 222, Westerville, OH 43082, telephone (614) 866-4267. (This is not a storefront.) - *via arrl.org*

ARRL Seeks Waiver of Proposed FCC Amateur Application Fees



ARRL has urged the FCC to waive its proposed \$50 amateur radio application fee. The Commission proposal was made last month in a Notice of Proposed Rulemaking (NPRM) in MD 20-270. The proposal already has drawn more than 3,200 individual comments overwhelmingly opposed to the plan. The fees, directed by Congress and imposed on all FCC-regulated services, are to recover the FCC's costs of handling and processing applications.

"Amateur radio applications were not listed when the Congress adopted its 1985 fee schedule for applications, and therefore amateur license applications were excluded from the collection of fees," ARRL said on November 16 in its formal comments on the proposal. "Similarly, a decade later when regulatory fees were authorized, the Amateur Service was excluded, except for the costs associated with issuing vanity call signs." The new statutory provisions are similar. Amateur radio license applications are not addressed in the application fees section and explicitly excluded from regulatory fees," ARRL said, and there is "no evidence of any intent by Congress to change the exempt status of amateur applications and instead subject them to new fees."

ARRL argued that the FCC has explicit authority to waive the fees if it would be in the public interest, and should

do so for the Amateur Radio Service. Unlike other FCC services, the Amateur Radio Service is all volunteer and largely self-governing, with examination preparation, administration, and grading handled by volunteers, who submit licensing paperwork to the FCC, ARRL pointed out.

"Increasingly, the required information is uploaded to the Commission's database, further freeing personnel from licensing paperwork as well as [from] day-to-day examination processes," ARRL said. "The addition of an application fee will greatly increase the complexity and requirements for volunteer examiners."

The Communications Act, ARRL noted, also permits the FCC to accept the volunteer services of individual radio amateurs and organizations in monitoring for rules violations. In 2019, ARRL and the FCC signed a memorandum of understanding to renew and enhance the ARRL's Volunteer Monitor program, relieving the Commission of significant time-consuming aspects of enforcement.

These volunteer services lessen the regulatory burden — including the application burden — on the Commission's resources and budget in ways that licensees in other services do not, ARRL said.

Amateur radio's role in providing emergency and disaster communication, education, and other volunteer services also justifies exempting radio amateurs from FCC application fees. For example, ARRL noted, last year more than 31,000 participated as members of the ARRL Amateur Radio Emergency Service (ARES), and local ARES teams reported taking part in more than 37,000 events,

donating nearly 573,000 volunteer hours, providing a total value of more than \$14.5 million.

Amateur radio also has motivated many students to develop critical science, technology, engineering, and mathematics (STEM) skills. ARRL noted that the Amateur Radio Service contributes to the advancement of the radio art, advances skills in communication and technology, and expands the existing reservoir of trained operators, technicians, and electronics experts — all expressed bases and purposes of the Amateur Radio Service.

"Accomplishing these purposes entails working with young people, many of whom may have difficulty paying the proposed application fees of \$50, \$100, or \$150," ARRL said. "The \$150 fee would be the cost of passing the examinations for the three amateur license levels in three examination sessions," ARRL said. "Such multiple application fees to upgrade would dampen the incentive to study and demonstrate the greater proficiency needed to pass the examinations for the higher amateur classes."

ARRL concluded that the FCC should exercise its authority to exempt amateur radio from application fees generally. If the FCC cannot see its way clear to waive fees for all amateur radio license applications, the fees should be waived for applicants age 26 years and younger. Such individuals, ARRL contended, have the most to contribute to the future of radio technology and other STEM-related activities and are the most likely to find the proposed application fees burdensome. - *via arrl.org 11/19/2020*

SpaceX Dragon Capsule Resilience Ferries Four Radio Amateurs to the ISS

SpaceX Dragon capsule Resilience, carrying four radio amateurs, autonomously docked on November 17 at 0401 UTC with the International Space Station (ISS). A SpaceX Falcon 9 launcher carrying the precious payload went into space on Sunday, November 15, from NASA's Kennedy Space Center. They comprise the ISS Expedition 64/65 crew.

"Well, the ISS is loaded with hams now," Amateur Radio on the International Space Station (ARISS) US Delegate for ARRL Rosalie White, **K1STO**, said on

Tuesday. "These four arrived very early this morning Eastern Time: NASA astronauts Victor Glover, **K15BKC**; Mike Hopkins, **KF5LJG**, and Shannon Walker, **KD5DXB**, as well as Japan Aerospace Exploration Agency (JAXA) astronaut Soichi Noguchi, **KD5TVP**." This marks Glover's first time in space. The others all are ISS veterans.

Earlier this year, NASA ISS Ham Project Coordinator Kenneth Ransom, **N5VHO**, held amateur radio licensing study sessions for Glover, who passed the

Technician exam on August 20.

The four will remain on station until next spring. They joined Expedition 64 Commander Sergey Ryzhikov and Flight Engineer Sergey Kud-Sverchkov of the Russian space agency Roscosmos, on the ISS.

"The return of human spaceflight to the United States with one of the safest, most advanced systems ever built is a turning point for America's future space exploration" SpaceX claimed. More at <http://www.arrl.org/news/spacex-dragon-capsule-resilience-ferries-four-radio-amateurs-to-the-iss> - 11/18/2020

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.

Coast Guard Proposes to Discontinue HF Voice Watchkeeping



The US Coast Guard has invited comments by January 21, 2021, on a proposal to discontinue HF voice watchkeeping. The proposal appeared on November 20 in the Federal Register. The USCG proposes to cease monitoring 4125, 6215, 8291, and 12,290 kHz, in the contiguous

US and Hawaii, due to a lack of activity.

“We believe this change would have a low impact on the maritime public, as commercial satellite radios and Digital Selective Calling (DSC) marine-SSB HF radios have become more prevalent onboard vessels,” the Coast Guard said. “However, we would like your comments on how you would be affected if we terminated monitoring HF voice-only distress frequencies within the contiguous US and Hawaii, particularly if you use HF, but do not currently have a commercial satellite radio or an HF DSC-capable radio aboard your vessel.”

The Coast Guard said it would continue to monitor HF DSC distress alerting for all existing regions and voice distress and hailing from Kodiak, Alaska, and Guam. The Maritime Mobile Service Net (MMSN) on 14.300 MHz remains available to less-equipped mariners who need assistance in emergencies. - *via arrl.org 11/25/2020*

BARC on FACEBOOK

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

Facebook and Group details

<https://www.qsl.net/w4amc/barcnews.html#BARC>

Pitt County Repeater Association

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

Commercial Ad Rates

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Send ads to: **Ham Chatter,
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Monday & Monday, CPA's, PA

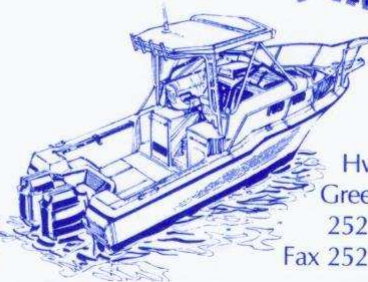
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K4ZYD

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Greenville, NC 27858

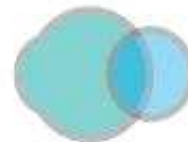
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Mike Langley
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CONSULTANTS

Peter Van Houten, M.D.

2501a Stantonsburg Road
Greenville, NC 27834

252-758-2402

<https://ECRetina.com>

2021 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 2020:

- 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 <https://www.qsl.net/w4amc/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, 2010 will be removed from the roster and the Ham Chatter mailing list. Membership will be reinstated upon receipt of 2021 dues.

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

Thank you for your continued support and participation in BARC.

THE HISTORY OF FCC LICENSE FEES

Here's a short history of Amateur Radio license fees by N2EY from QRZ.com. Note these are federal licensee fees, NOT VE test fees.

Amateur licensing had no licensing fees until early 1964. But that doesn't mean the Federal Government didn't try. In 1933 the Federal Radio Commission, predecessor of the FCC, proposed a \$5 fee for three years. The proposal was opposed and not enacted.

In 1954 the FCC proposed a fee of \$3 for amateur radio licenses for a 5-year term. This proposal was strongly opposed and not enacted.

In the early 1960's the FCC again opposed fees for amateur licenses, and this time the proposal was enacted despite strong opposition. Beginning in March, 1964 the following fees were enacted:

New or renewed license: \$4
 Modified license: \$2
 Special call sign: \$20
 Novice and RACES licenses remained free.

On August 1, 1970 the FCC raised the 1964 fees to as follows:

New or renewed licenses: \$9.
 Modified license: \$4.
 Special call sign: \$20.
 Novice and RACES licenses remained free.

In 1975 the FCC LOWERED license fees.

New or renewed license \$4
 Modified license: \$3
 Duplicated license: \$2
 Special call sign: \$25

Finally, effective January 1, 1977 the FCC dropped all fees for amateur licenses. From then until now all amateur licenses have been free. As mentioned before, VE testing fees are set for the VEC and go to pay the costs of conducting the examinations. The FCC does set a maximum fee, but VE's can set fees lower or waive them entirely. In any case, the FCC gets no money from the VEC's.

Modern vanity call fees have varied over time—Someone else can write that history.. - via *Old Old Timers Club, Spark Gap Times, September 2020 Vol 2*

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

** NEW **

BARC Email Addresses

- *Info @ w4amc.com
 to Peter Van Houten, **N4PVH**
- *Treasurer @ w4amc.com
 to Jim Lowe, **AC4JL**
- *Hamchatter @ w4amc.com
 to Mark Raysin, **KG4GVJ**
- *QSL-VE @ w4amc.com
 to Richard Campbell, **W4JNC**
- *Webmaster @ w4amc.com
 to David Meeks, **KN4VJR**

BARC CALENDAR OF EVENTS

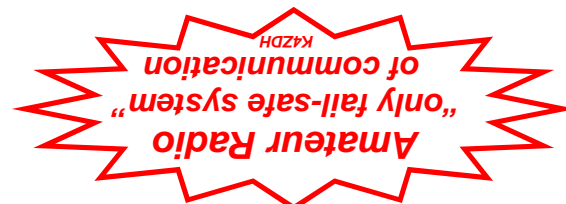
Dec 5/6..... ARRL 160 Meter Contest
 Dec 8..... **BARC Christmas Party**
 Dec 12/13..... ARRL 10 Meter Contest
 Dec 15..... BARC **VE Session???** - 6:30 PM
 Dec 29..... **Board Meeting - 7PM**
 Jan 1..... ARRL Straight Key Night
 Jan 2..... Ham Chatter **Deadline**
 Jan 2/3..... ARRL RTTY Roundup
**Jan 5 ** W4YDY RETIRES AS HAM CHATTER
 AND WEB SITE EDITOR ** QRT**
 Jan 12..... **Regular Meeting - 7PM**
 Jan 26..... **Board Meeting - 7PM**
 Jan 29/31..... CQ WW CW 160M Contest

Feb 9..... **Regular Meeting - 7PM**
 Feb 13/14..... CQ WW WPX RTTY Contest
 Feb 23..... **Board Meeting - 7PM**
 Feb 26/28..... CQ WW SSB 160M Contest
 Mar 6/7..... ARRL SSB DX Contest
 Mar 9..... **Regular Meeting - 7PM**
 Mar 27/28..... CQ WW SSB WPX Contest
 Mar 30..... **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



Next Meeting on Zoom
 December 8, 2020 - 7 PM

December 2020

To:



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