

The Smokehouse

Where Country Hams Hang Out

December 2021

President, Larry Brumett, KN4IV

Vice President, Tom Buchanan KG4KGY

Sec/Treas, Herb Hess, KJ4CMG



MCARC Meeting November 16th, 2021.

The meeting came to order at 7pm in the basement of the City Hall Building located in Glasgow, KY

KN4WLS made a motion, seconded by KC4RGE, to dispense with reading the minutes. Motion passed.

KD4SS Gave the financial report. He reported \$XXX.XX in the checking. KD4SS closed out the two Certificates of Deposit the club had at the Peoples Bank since the term had expired. KN4HNF made a motion, seconded by K8RPG, to accept the report. Motion passed.

Committee Reports:

Repeater Committee:
Echolink is back up and running. N4NRC and KD4SS worked on the computer to get it back up and running. KO4KRM has been doing work to the access road to the Highway 63 repeater site. He will go out one more time to regrade the gravel.

Hamfest Committee:
Hamfest set for March 5th, 2022.

Field Day/Special Event Committee: No report.

Webpage Committee:
Website is continuing to operate as it should.

Old Business: Turkey Trot coming up this Saturday at 8:30am. In the past we have manned 6 positions/checkpoints and communicate with staff at the finish line on the progress of the race. We will need around 6-7 volunteers to provide coverage for the race. Meal to follow the race back in the clubroom.

Voted on KO4TCP for membership. It was a close vote, but he was voted in as the newest member.

New Business: KD4SS talked about CD rates he has been researching. The best he has found for 1.21% for 36 months. After discussion about different time constraints, K8RPG

made a motion, seconded by KC4RGE to deposit \$20,000 into the Christmas Club CD at The Peoples Bank at a rate of .75%. The money would only be in that CD for 12 months and would give us the flexibility to move into other investments if the rates go up. Motion passed.

KN4IV brought up discussion on the upcoming annual Holiday Meal. It will be held on December 21st. We will gather to eat at 6pm with the club meeting to follow. K8RPG's XYL will cook a turkey and KJ4CMG will cook the ham.

Nominated KO4UPH and KO4UPI for membership. We will vote on them at the next meeting they attend.

KD4SS spoke about recent testing sessions and he thinks it would be a good idea to regular schedule testing sessions in advance instead of waiting until someone requests a session. In the past, the club would host a testing session on the 1st Sunday of each quarter or four times a year.

KC4RGE made a motion, seconded by K1CEH to adjourn. There were 17

members and four guests present at the meeting.



World's Smallest Moon Lander from Japan will Put Ham Radio Transmitter on the Moon

Japan's **OMOTENASHI**, the world's smallest moon lander, will have an X-band and UHF communication system, although it will not carry an amateur band transponder.

OMOTENASHI is a 6U CubeSat set for launch via a NASA SLS rocket as early as February 2022. It will have a mission period of from 4 to 5 days. The name is an acronym for Outstanding Moon Exploration Technologies demonstrated by Nano Semi-Hard Impactor. Wataru Torii of the Japan Aerospace Exploration

Agency (JAXA) Ham Radio Club, JQ1ZVI, said radio amateurs can play a role in gathering data from the spacecraft.

The spacecraft is made up of two separable components, both having independent communication systems — an orbiting module and a surface probe. The orbiting module will take the surface probe to the moon. It will transmit beacon or digital telemetry data on UHF (437.31 MHz). The surface probe — the moon lander — will transmit digital telemetry or three-axis acceleration analog-wave with FM modulation on UHF (437.41 MHz). Transmitter power will be 1 W in both cases.

“If we succeed in receiving the UHF signal from the surface probe, we could know the acceleration data on the impact on the moon and the success of the landing sequence,” Torii explained.

“We already have a station for uplink and downlink at Wakayama in Japan —

used as an EME [moonbounce] station. However, if the satellite is invisible from Japan, we cannot receive the downlink signal. So, we need a lot of help from ham radio stations worldwide.” Torii noted that the RF system on the lander only operates on UHF.

The orbiting module beacon will transmit on 437.31 MHz using PSK31. The surface probe beacon will transmit on 437.41 MHz using FM, PSK31, and PCM-PSK/PM.

Contact Torii for more information.



November 2021 Volunteer Monitor Program Report

This is the November 2021 report of Volunteer Monitor (VM) Program activity. The VM program is a joint initiative between ARRL

and the FCC to enhance compliance in the Amateur Radio Service.

Operators in Ardmore, Tennessee; Lithonia, Georgia; Coconut Creek and Miramar, Florida, and East Bridgewater, Massachusetts, were issued *Advisory Notices* regarding excessive bandwidth, contrary to FCC rules. The operators were transmitting on SSB with bandwidths of 8 to 9 kHz.

Advisory Notices were issued to operators in Northridge (Los Angeles) and Hemet, California, for interference to repeaters. Both operators had been requested by the repeater trustees to cease using the repeaters. The *Advisory Notice* issued to the Northridge operator cited broadcasting and failure to identify, and it informed them that the FCC was requested not to grant their upcoming renewal application unless the case was resolved.

An *Advisory Notice* was issued to an operator in Powell, Wyoming, for

transmitting overdriven FT8 signals that resulted in spurious emissions. The operator has since corrected the problem.

General-class operators in Bartonville, Illinois, and St. Clair, Michigan, were issued *Advisory Notices* for operation in the Amateur Extra-class portion of 40 meters. A Technician-class licensee in Windber, Pennsylvania, was issued an *Advisory Notice* for operating in the General-class portion of 75 meters.

One case was referred to the FCC for enforcement action and review of a license renewal application. The FCC referred two cases to the VM Program.



Totals for VM monitoring during October were 2,939 hours on HF frequencies, and 3,282 hours on VHF frequencies and above, for a total of 6,221 hours. That is the highest number of hours monitoring since the inception of the VM

Program. — *Thanks to
Volunteer Monitor
Program Administrator
Riley Hollingsworth,
K4ZDH*



**Senate Confirms
FCC Chairwoman
Jessica Rosenworcel
for a New Term**

On Tuesday, December 7, 2021, the US Senate confirmed FCC Chairwoman Jessica Rosenworcel for a new term at the Federal Communications Commission (FCC), on a vote of 68-31. President Joe Biden appointed Rosenworcel as Chair of the FCC in late October. The FCC will continue with two Democrats and two Republicans led by Chairwoman Rosenworcel.

ARRL The National Association for Amateur Radio® previously reported that Senator Richard Blumenthal (CT) had expressed his support and recognition for radio

amateurs during Rosenworcel's renomination hearing. ARRL is hopeful that multiple proceedings will be addressed soon to update or change the FCC's amateur Part 97 rules to account for changes in technology and operating practices.

The Chairwoman said in a **statement** after the Senate confirmed her nomination, "People across the country count on the FCC to support the connections they need for work, learning, healthcare, and access to the information we require to make decisions about our lives, our communities, and our country. I look forward to working with the Administration, my colleagues on the Commission and FCC staff, members of Congress, and the public to make the promise of modern communications a reality for everyone, everywhere."

The nomination of a third Democratic Commissioner remains pending before the

Senate. Last week the Senate Commerce, Science, and Transportation Committee conducted a hearing on President Biden's nominee, Gigi Sohn, for the remaining Democratic seat. Committee and full Senate votes on her nomination have not yet been scheduled.



**ARRL Named Amateur
Radio Newline
Newsmaker of the Year**

Amateur Radio on the International Space Station (ARRL) has been named **Amateur Radio Newline** Newsmaker of the Year.

"This group, based across 15 countries around the world, has been supporting amateur radio from the space station and performing school links around the world to astronauts for over 20 years," the announcement pointed out. "As well as enthusing youngsters in the magic of space and radio, they have also generated publicity for amateur radio in the mainstream media channels of radio, TV, and newspapers."