

W9JOZ

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October 2020

Next Meeting is on the Air

Greeting fellow amateurs,

On October 3, 1950 the solid state era dawned for radio. Three Bell labs experimenters, Shockley, Bardeen and Brattain patented the transistor, based on work dating to 1947. I still have a vacuum tube rig but like the modern rigs with solid state components better.

On October 17 there will be a 1 mile and a 5k run in North Judson It would be great if we could help with this activity. More details to follow later.

Dave
Kc8obh

Contact Dave if you want to help with the runs in Judson.



Meetings are at the Henry F. Schricker Library on the third Thursday of each month, with the exception of December.

The library is located on west Culver Road, two blocks west of Highway 35.



Are you on the air?

Library Door locks at 7:00 p.m. so if you are late, knock loud.

Still no meetings in person.

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Events

**Meeting is on the air, Oct. 15th. 7:00 pm
on the 145.410 repeater**

Birthdays

Oct 4 - Jack, WA9ZTP

If your birthday has not been listed, it is because I do not have the date for it. If you would like it to be included in a newsletter, please email me the date. Thanks w3ml@w3ml.com

**Starke County Amateur Radio Club Weekly 2 Meter Net will
be on each Saturday at 8:00 p.m. Central time.**

DAY OF WEEK: Saturday 8:00 p.m. Central time
HOST: KN9OX Repeater
FREQUENCY: 145.410 - 600
PL TONE: 131.8

New Items Listed

See all the For Sale Items at

<http://www.w9joz.org/forsale.htm>

There are a lot of them there. Updated regularly.



**See the For Sale Page on the Club website. If you have
items to sell email me a list with prices and contact
information.**

ARISS to Celebrate 20 Years of Ham Radio on the International Space Station

10/05/2020

Amateur Radio on the International Space Station ([ARISS](#)) will soon celebrate 20 years of continuous ham radio operations on the International Space Station (ISS). NASA is commemorating the milestone with a newly produced [infographic](#) highlighting the educational contacts via amateur radio between astronaut crew members aboard the ISS and students. Over its 20 years, ARISS has supported nearly 1,400 scheduled ham radio contacts with schools, student groups, and other organizations.

Planning for ARISS began in 1996 as a cooperative venture among national amateur radio and amateur satellite societies, with support from their respective space agencies. The ARISS ham radio gear actually arrived on the station before the Expedition 1 crew, headed by Commander Bill Shepherd, KD5GSL. The FCC issued ham radio call sign NA1SS for ISS operations. After Expedition 1 arrived on station, some initial tests with ARISS ham radio ground stations and individual hams confirmed the ham gear was working properly. The first ARISS school contact was made with students at Luther Burbank Elementary School in Illinois on December 21, 2000, with Shepherd at the helm of NA1SS on the ISS, and ARISS operations team mentor Charlie Sufana, AJ9N, guiding the operation on the ground.

NASA produced a [video](#) of students talking with astronaut Chris Cassidy, KF5KDR, during an ARISS contact in May 2020.

Before and during scheduled ham radio contacts, students, educators, parents, and communities learn about space and related technologies, and radio communication using amateur radio. ARISS has inspired thousands of students, promoting exploration through educational experiences spanning science, technology, engineering, the arts, and mathematics.

ARISS relies on a large network of amateur radio operator volunteers, many associated with radio clubs in the communities where students and groups participating in the contact reside. ARISS volunteers support satellite ground stations, serve as technical mentors, and provide additional help in the areas of education, community outreach, and public relations.

While student-to-astronaut radio contacts are a primary objective for ARISS, the capability has also inspired further experimentation for amateur radio in space and evaluation of new technologies. In September, ARISS [announced](#) that the initial element of its next-generation ham radio system had been installed in the ISS *Columbus* module. The new radio system replaces equipment originally certified for spaceflight in mid-2000. The onboard ham station also provides a contingency communications system for the ISS crew. Several astronauts have also enjoyed using NA1SS to make casual contacts with — and delighting — earthbound members of the ham radio community.

In the US, ARISS sponsors include [ARRL](#), [AMSAT](#), and **NASA**, the ISS National Lab-Space Station Explorers, and NASA's Space Communications and Navigation program. Global organizing partners include International Amateur Radio Union ([IARU](#)) member-societies as well as AMSAT organizations, and space agencies in Canada, Europe, Russia, Japan, and elsewhere.

The next proposal window for US schools and educational organizations to [host an amateur radio contact](#) with a crew member on board the ISS opened on October 1 for contacts that would take place from July through December 2021.

Like many educators who have coordinated ARISS radio contacts for their students, teacher Rita Wright, KC9CDL, an ARRL member, described the first ARISS school contact as inspirational and having a lasting impact on their community. Five months after their contact, nearly 500 students greeted Bill Shepherd when he visited Luther Burbank School. Wright said it was “like tossing a pebble into a stream.”

“The ripple effects are still occurring, and I suspect will continue to occur for a long time,” she said. “We have a young staff, and witnessing these events has inspired some to look for other interdisciplinary projects. They are beginning their dream. Many of our students are looking forward to careers associated with the space industry.”

—“Reprinted with permission, <http://www.arrl.org/news/ariss-to-celebrate-20-years-of-ham-radio-on-the-international-space-station> 10/5/20; copyright ARRL.”

IARU Region 2 Releases 2020 Revision of its Band Plan

10/05/2020

International Amateur Radio Union Region 2 ([IARU R2](#)) — the Americas — has released the September 2020 revision of its [Band Plan](#) and made procedural changes to shorten the time to reflect future adjustments. The Band Plan includes a change approved at the October 2019 General Assembly to add an Amateur Satellite uplink subband, 21.125 to 21.450 MHz, on a non-exclusive basis. This matches similar changes in the Region 1 and Region 3 band plans.

“An entire village lost its broadband at the same time every day for 18 months. Now we know why”

Read about it here: <https://www.cnn.com/2020/09/22/uk/old-tv-breaks-broadband-village-scli-intl-gbr/index.html>

A Face Mask for the Rabid CW Fan
(It would also make a nice bumper sticker)



(For those “no code” licensees the CW message spells out:
“Morse Code”)

Sent in by KF9HL

If you have something for the newsletter, please send it to me before the 20th of the month.

See you at a meeting.

Sometime in the Future

73

John, W3ML

