



RCA Amateur Radio Club

Indianapolis, IN

ARRL Affiliated Club

www.w9rca.org



SEPTEMBER 2022

MONTHLY NEWSLETTER

THE NEXT MEETING OF THE RCA AMATEUR RADIO CLUB WILL BE TUESDAY,
SEPTEMBER 13TH, 6:30 PM AT NORTH SIDE EVENTS, FORMERLY
THE KNIGHTS OF COLUMBUS, 2100 EAST 71ST, INDIANAPOLIS, IN

RCA ARC NEWS

AUGUST MEETING SUMMARY – Thanks to all who attended the August meeting. Jim, K9RU, again reminded us the FCC is requiring updated CORES for license renewals, etc. The '88 repeater “team” visited the receive site at IVY Tech and found the remote receiver package to be operating properly. The 2m receive antenna at this site should be replaced as it is slightly damaged due to the wind although still functional. Subsequently, John, KF9UH, re-aimed the 70cm receive antenna at the repeater site which fixed the problem of the IVY Tech site not bringing up the repeater. The final meeting of the Indy United FD group is this coming Thursday. Results should be available. A discussion of new radios and antenna tuners finished off the meeting.

146.76 REPEATER NOW REQUIRES 151.4 TONE – Mike Sercer, WA9FDO, K9LPW trustee, posted on Facebook that the 146.76 repeater now requires a 151.4 Hz tone to access it. This was necessary due to interference issues. Note that **this will affect Marion County Skywarn nets** that are held on this repeater.

AMATEUR RADIO LICENSE TEST SESSION

Date: Saturday, **Sept 10, 2022**
Time: Starting at 12:00 pm **by appointment only.**
Location: Salvation Army EDS Training Facility, 4020 Georgetown Rd
Indianapolis, IN 46254-2407
Required: FRN and completed form NCVFC 605.
Contact: Jim Kajder, AC9ZL e,mail: jkajder@gmail.com

HAMFESTS, OPERATING EVENTS, VOLUNTEER OPPORTUNITIES

Sept 10-11 WAE <https://www.darc.de/der-club/referate/conteste/wae-dx-contest/en/>
Sept 10 Shelbyville Tailgate Hamfest
Sept 10 Ohio Parks on the Air <http://ospota.org/>
Sept 10-12 ARRL Sept VHF contest <http://www.arrl.org/september-vhf>
Sept 10-18 Route 66 Special Event
Sept 24-25 CQ WW RTTY <http://www.cqwwrtty.com/>

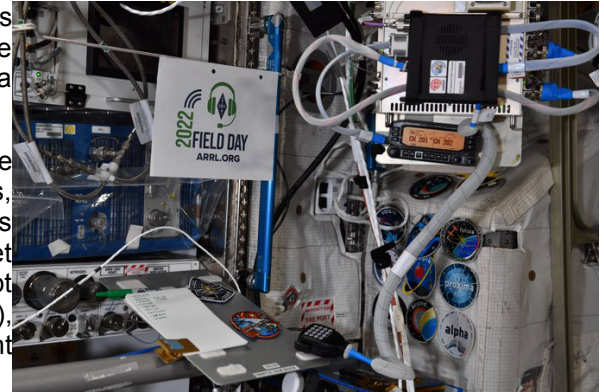
An expanded, downloadable version of QST's [Contest Corral](#) is available as a PDF. Check the sponsors' website for information on operating time restrictions and other instructions.

INTERNATIONAL SPACE STATION UPGRADES AMATEUR RADIO OPERATIONS

ARISS, Amateur Radio on the International Space Station, announced that simultaneous operations of the ARISS voice repeater and digital APRS (Automatic Packet Reporting System) communications on the Space Station are now a reality.

Current ARISS operations include voice repeater transmissions with the JVC Kenwood TM-D710GA in the Columbus module and APRS operation from an identical radio in the Zvezda module. Packet operations are on 145.825 MHz.

The Columbus module radio uses the call sign NA1SS and the new radio in Zvezda uses RS0ISS. Aside from the call signs, the radios are identical, and packet operations are the same as before. You can use RS0ISS, ARISS, or APRSAT as the packet path. Both radios are expected to be running full time, except during educational contacts, extra vehicular activities (EVAs), and docking maneuvers. Final checkouts and equipment activation occurred on August 11.



ARISS International Chair Frank Bauer, KA3HDO, said, "Simultaneous operation of APRS and the voice repeater on ISS is transformative for ARISS. It represents a key element of our ARISS 2.0 initiative, providing interactive capabilities 24/7 that inspire, engage, and educate youth and lifelong learners -- especially lifelong learning in ham radio operations. Our heartfelt thanks to Sergey Samburov, RV3DR, for making this crucial ARISS 2.0 initiative become a reality."

NASA Astronaut Kjell Lindgren, KO5MOS, tweeted this photo of the ham radio station in the Columbus module, just before ARRL Field Day in June. <https://tinyurl.com/2p9cr53f>

Rosalie White, K1STO, one of two US delegates to ARISS, said the ham radio community will be very happy with the new radio operations from the ISS. "Hams really love doing ARISS packet, cross-band repeater, and Slow-Scan Television (SSTV) operations. Besides the thousands who download ARISS SSTV images downlinked from the ISS, we discovered that in a year's time, hams did 80,000 ARISS packet messages," she said. "We are not sure how many have been enjoying the ARISS cross band repeater, but we know it is a lot. This simultaneous operation capability is going to make many hams happy -- and we know that keeping hams on the air is good for ARRL and good for amateur radio," White added.

Operational status and expected downtimes of the ISS radios can be found at www.ariss.org/current-status-of-iss-stations.

ARISS is a cooperative venture of international amateur radio societies and space agencies that support the ISS. In the US, sponsors are the Radio Amateur Satellite Corporation (AMSAT), [ARRL](http://www.arrl.org) The National Association for Amateur Radio®, and NASA's Space Communications and Navigation (SCaN) program. The primary goal of ARISS is to promote exploration of science, technology, engineering, arts, and mathematics topics. ARISS does this by organizing scheduled contacts via amateur radio between crew members aboard the ISS and students. Before and during these radio contacts, students, educators, parents, and communities take part in hands-on learning activities tied to space, space technologies, and amateur radio. For more information, see www.ariss.org and www.arrl.org/amateur-radio-on-the-international-space-station.

QRZ NEW HAM ANNOUNCES THE JUMPSTART NEW HAM PROGRAM

We are pleased to announce the QRZ New Ham Jumpstart, a program that will help new hams get on the air faster than ever. The program, which is jointly sponsored by QRZ and GigaParts, will provide a FREE, New Ham Welcome Package to eligible applicants. Among the goodies in the first edition of the Welcome Package, we are including a brand-new dual-band handheld transceiver, the Explorer QRZ-1, along with a host of other sponsor-supplied goodies.

Purpose of the Jumpstart Program – This program is designed to promote amateur radio to the masses, helping to eliminate a possible barrier to entry by providing new hams with their first radio. The Jumpstart program will provide the QRZ-1 radio to new hams who meet eligibility requirements. No purchase or subscription of any kind is necessary. The welcome package is FREE to those who qualify.



The QRZ-1 is a brand-new, entry-level, dual-band ham radio transceiver that has been custom manufactured for QRZ and GigaParts and is available for sale at GigaParts. We worked with an established radio manufacturer to make a special edition radio just for new hams. Our involvement was much more than a re-labeling of an existing product, because several important improvements have been made. For starters, the radio firmware has been modified to make user interaction straightforward and easy to understand. In addition, the user manual was rewritten in English (not simply translated) so that new hams may grasp its operating concepts clearly.

Eligibility – New hams who have just obtained their first license from the FCC may apply for a welcome package. Applicants must apply within 30 days of the license grant date per the FCC records.

The eligible ham must have a QRZ user account and be able to log in and apply for the award. Certain types of identification, including a photo ID, will be required. This information is not shared or exchanged with any party and is used only to validate eligibility under this program. Additional shipping charges may apply when shipped outside of the contiguous 48 states.

This program is available exclusively to USA licensed amateur radio operators.

You Can Donate It – Some new hams may not need a new, entry-level radio and might instead enjoy a full year of a QRZ Premium subscription. If you opt for this choice, you will make the radio available for another newcomer and help us extend the program into the future. It's an easy way to "pay it forward" that others will appreciate. If you are interested in this option, please send an e-mail to Support@qrz.com.

Limited Time Offer – The program ends on October 31, 2022. If you are or about to become eligible, please keep this in mind. In all cases, the New Ham Welcome Packages are subject to availability and therefore the program may end earlier than expected. QRZ assumes no responsibility for the failure to deliver New Ham Welcome Packages, even if an application was granted. The packages have no cash value and may not be redeemed or exchanged for other QRZ products and/or services. QRZ may, at its sole discretion and at any time, change the contents of the package.

Signup Instructions – We will begin accepting welcome package applications on August 19, 2022 at www.qrz.com/jumpstart

MFJ TO CELEBRATE 50TH ANNIVERSARY

[MFJ Enterprises](http://www.mfjenterprises.com), an amateur radio electronics manufacturer and retailer, will celebrate 50 years in business this October. Martin Jue, K5FLU, founded the company in 1972 after building a CW filter kit that sold for less than \$10. Since 1990 the company has made five acquisitions, including Hy-Gain and Cushcraft antennas.

MFJ Customer Services and Public Relations Manager Richard Stubbs says the company continues to grow with the popularity of amateur radio and currently manufactures over 2,000 products. "I've been with the company for 28 years and the numbers are good," said Stubbs. "Amateur radio continues to grow worldwide."

Quite a few of MFJ's employees have worked there for years, such as MFJ Product Representative Phyllis Randle, who will be retiring in September after 45 years with the company. She started working there when she was a teenager in 1977, and she is now the Product Representative for all MFJ dealers.

Jue graduated from Mississippi State University with a bachelor's degree in electrical engineering, and he earned a master's degree in electrical engineering at Georgia Institute of Technology (Georgia Tech).

He served as a professor of electrical engineering at Mississippi State University from 1972 until 1979, but abandoned his doctorate in 1977 because of MFJ's growth.

Currently, because of COVID-19 concerns, the company does not have any plans for a special event to celebrate the anniversary, although Stubbs said that may change in the months ahead.

NEW ARRL RADIO LAB INSPIRES INNOVATION IN THE HAM SHACK

ARRL has unveiled its new Radio Laboratory, W1HQ. In a new YouTube [video](#), Jherica Goodgame, KI5HTA, a summer intern at ARRL Headquarters, takes viewers on a tour of the station.

"The ARRL Radio Lab is an innovative test space designed to reshape the way we imagine and build a ham radio shack," said Goodgame. The station is intended to inspire members to build, organize, and equip their own stations in innovative ways. "From a decluttered workspace and a digital user interface, to being able to remote into the equipment from anywhere, W1HQ is a step towards the future of amateur radio stations," Goodgame added.

The W1HQ station includes a new tower and antennas atop the main administrative building at ARRL Headquarters in Newington, Connecticut. Inside the station, three operating positions provide an interface to rack-mounted and computer-controlled transceivers, amplifiers, antenna switches, and rotators.

Goodgame said that the Radio Lab will also support equipment testing, including those done for QST "Product Review." She continued to explain that "An extension of product reviews in the future will be to take that piece of gear that we're testing, put it on this test bench, and see how it integrates with a station that's already under full automation and control."

The video is published on ARRL's YouTube channel at <https://youtu.be/68BJxGHg74Y>.

ROUTE 66 ON THE AIR SPECIAL EVENT

The annual Route 66 On the Air Special Event will take place September 10 - 18, 2022. The purpose of the event is to commemorate the history of the "Mother Road" connecting the east and west United States.

Now in its 23rd year, the Northern Arizona DX Association (NADXA) started the event, which is now coordinated by the Citrus Belt Amateur Radio Club (CBARC) in San Bernardino, California.

There will be 21 stations with 1x1 call signs on the air from Chicago, Illinois, to Santa Monica, California, all with consecutive calls starting with W6. NADXA will operate three of the 21 stations, including W6G (Flagstaff, Arizona), and W6S (Arizona Rover 1). They'll set up at various spots along Route 66 east of Flagstaff, and W6T (Arizona Rover 2) will be set up in Bellemont. Later in the week, the event will be moved to Parks, on old Route 66, west of Flagstaff.

The history of the Mother Road began in 1926, when US Highway 66 was established. It was the first major improvement to the link between the west coast and the nation's heartland. Through stories, songs, and TV shows, the highway came to symbolize the freedom of the open road, inspiring many to see America in its entirety. The demise of Route 66 began in the 1950s, as construction began on the new interstate highway system. US Route 66 was officially decommissioned in 1986, but today, small portions of the highway still exist in several states.

For more information on participating stations, certificates and decals, and the Route 66 On the Air Special Event, visit the [Citrus Belt Amateur Radio Club \(CBARC\)](#) and [Northern Arizona DX Association \(NADXA\)](#) websites.

Visit the ARRL Special Event Stations database at www.arrl.org/special-event-stations to find other on-the-air events and commemorations.

JOTA 2022 IS COMING OCTOBER 14-16

When Boy Scouts want to meet young people from another country, they usually think of attending a World Scout Jamboree. But few people realize that each year more than a million Scouts and Guides get together over the airwaves for the annual [Jamboree-on-the-Air](#) (JOTA). During the 2014 event, worldwide Scouting participation included 1.1 million Boy Scouts and 200,000 Girl Guides/Girl Scouts, for a total participation of over 1.3 million, making it the largest Scouting event in the world.

There is nothing as rewarding as seeing Scouts get excited after an on-the-air experience and begin resonating with the idea of becoming a licensed ham.

Additional information on JOTA can be found at [JOTA-JOTI 2022 | JOTA-JOTI 2022 - The world's largest digital Scout event \(jotajoti.info\)](#)

UPDATED CQ CONTEST POLICY RELATING TO RUSSIA'S INVASION OF UKRAINE

Sometimes, deadlines are your friends; sometimes not. This was a “not.” The deadline for the September issue of CQ arrived while spirited discussions were still taking place regarding possible updates to CQ’s policy regarding stations from Russia and Belarus competing in CQ contests. Since no agreement had been reached, it was decided to retain the policy as it had been since last spring. However, discussions continued and we have now agreed on several minor changes to the policy that will broaden participation in our contests while still joining with sporting federations around the world to condemn the invasion of Ukraine. The updated policy follows, which supersedes that published in the September issue of CQ. – The editors

- 1) Effective with the upcoming CQ WW RTTY DX contest on September 24-25, 2022, and all CQ contests going forward, we will resume accepting Russian/Belorussian log entries as regular logs, publish their scores and credit QSOs/points/multipliers in all related logs.
- 2) However, plaques will not be awarded to otherwise-eligible Russian/Belorussian stations. In the event that one of these stations has the top score in a given category, the plaque will be awarded to the top-scoring non-Russian/Belorussian entry in that category.
- 3) Online certificates will not be awarded to any Russian/Belorussian entry, either as a participant award or based on ranking.
- 4) CQ will identify partners with which to initiate a humanitarian program to support the people of Ukraine. This effort will occur either in collaboration with current activities or be entirely new. Details of this program will be announced as they develop.
- 5) Specifics of this policy are subject to future review as developments may warrant.

SIMULTANEOUS APRS AND VOICE REPEATER ON THE INTERNATIONAL SPACE STATION

ARISS, Amateur Radio on the International Space Station, announced that simultaneous operations of the ARISS Voice Repeater and digital APRS communications on the Space Station is now a reality. Current ARISS operations include voice repeater transmissions with the JVC Kenwood D710GA in the Columbus module and APRS packet operation from an identical radio in the Service Module (Zvezda). Packet operations are on 145.825 MHz.

The ARISS Russia and USA teams have been working for several weeks to prepare the Service Module radio for APRS operations. ARISS Russia team member Sergey Samburov, RV3DR, led the effort, working with Russian mission controllers and the on-board ISS cosmonauts to configure the Service Module radio for APRS ops. On August 11, final checkouts were completed and the APRS packet mode was switched on for amateur radio use.

ARISS-International Chair Frank Bauer, KA3HDO, said, "Simultaneous operation of APRS and the voice repeater on ISS is transformative for ARISS and represents a key element of our ARISS 2.0 initiative, providing interactive capabilities 24/7 that inspire, engage and educate youth and lifelong learners—especially life-long learning in ham radio operations. ... Our heartfelt thanks to Sergey Samburov, RV3DR, for making this crucial ARISS 2.0 initiative become a reality."

The Columbus Module radio uses the call sign NA1SS and the new Service Module radio uses RS0ISS. Aside from the call signs, the radios are identical and packet operations are the same as before. Hams can use RS0ISS, ARISS, or APRSAT as the packet path. Also, both radios are expected to be on full time, except during educational contacts, EVAs, and dockings or undockings.

You can find operational status and expected downtimes of the ISS radios at <https://www.ariss.org/current-status-of-iss-stations>. see www.ariss.org. -- *Thanks to ARISS for the information in this news release.*

ARRL FOUNDATION GRANTS \$270,000 TO AMATEUR RADIO CLUBS

The new [ARRL Foundation Club Grant Program](#), funded by a generous grant from Amateur Radio Digital Communications (ARDC), has awarded \$270,000 to radio clubs that participated in the first round of applications.

The Club Grant Program, introduced earlier this year, includes \$500,000 to be awarded to radio clubs with projects that will have the most impact on amateur radio, the community, and the future of radio technology. The grants will fund transformative projects that encourage the growth of active amateur radio operators and training opportunities, education programs for student groups and schools, and club revitalization. A second round of applications to award the program's remaining funding will open on September 7, 2022.

Twenty-four clubs were notified on Monday, August 29, that they are receiving grants. The ARRL Foundation received 128 applications in the first round, with requests totaling \$1.74 million. The selection committee noted that it was difficult work deciding between many high-quality grant proposals considering the finite available funds. Radio clubs that did not receive grants in the first round may revise and resubmit applications in the second round.

An informational webinar will serve as an orientation to the program, providing information on how to apply. The webinar will take place on September 7 at 7 PM Eastern Time. Please register in advance to attend. After registering, you will receive a confirmation email containing information about joining the webinar:

Webinar: ARRL Club Grant Program: Round Two Kickoff
When: September 7, 2022, at 7 PM Eastern Time
Register: tinyurl.com/ARRL-Webinar-September-2022

The ARRL Foundation, established in 1973 by [ARRL The National Association for Amateur Radio](#)[®], administers the Club Grant Program. ARRL has long recognized that it is in the best interests of amateur radio to encourage and support amateur radio clubs. Historically, clubs have recruited, licensed, and trained new radio amateurs and have provided the community setting for them to continue their education and training.

The new Club Grant Program will help clubs more easily provide and expand their important services. More information about the program can be found on the ARRL Foundation website at www.arrl.org/club-grant-program.

RADIO CLUB OF AMERICA ANNOUNCES 2022 AWARD RECIPIENTS AND FELLOWS

The Radio Club of America (RCA) has announced its 2022 award recipients and Fellows, including amateur radio operator Edward M. Gable, K2MP. The 2022 awards and Fellows ceremonies will be held at the RCA Awards Banquet in the Atlanta, Georgia, Hyatt Regency on November 19, 2022.

ARRL Life Member Edward M. Gable, K2MP, is the Barry Goldwater Amateur Radio Award recipient. This award recognizes significant achievements of excellence in the engineering and manufacturing of radio equipment.

Professor Akhlesh Lakhtakia is the Lifetime Achievement Award recipient. This award recognizes very significant achievements and a major body of work accomplished over a lifetime, resulting in advancement of the art and science of wireless technology.

Arlene Harris is the Wireless Innovation Award recipient. This award recognizes innovative concepts or products in use in the wireless industry.

Patti Ryg is the Excellence in Sales and Marketing Award recipient. This award recognizes an individual who exhibits the "Esprit de Corps" of sales, marketing, and promoting in the wireless industry.

Donald Root is the RCA Special Recognition Award recipient. This award is for dedicated service to the RCA.

Evan Rolek is the Special Recognition Award recipient. This award is presented to an individual who has worked tirelessly to support the RCA. For decades, Rolek has supported the RCA Youth Activities Program.

Ellen O'Hara is the RCA Special Services Award recipient. This award was established to recognize RCA members who have performed significant work to advance the goals and objectives of the RCA.

Jim and Felicia Kreuzer are the Ralph Batcher Memorial Award recipients. This award is presented to an RCA member for their significant work in preserving the history of radio and electronic communications. Jim and Felicia have made numerous contributions to historical preservation and educational efforts at the Antique Wireless Association and the RCA, including many exhibits, publications, and programs.

Paul Scutieri is the President's Award recipient. This award recognizes the demonstration of unselfish dedication to the work of the RCA.

The following individuals have been elevated to Fellow status in 2022:

- Lynn Bisha
- Professor James Breakall, PhD
- Neil Horden
- Jason Kern
- Pete Varounis

Founded in 1909, [The Radio Club of America](#) includes professionals from across the wireless communications industry.

CAMBODIA HAS BANNED THE FT-891 AND EVERY OTHER RADIO YOU CAN THINK OF

The following message comes to us from a New Zealander who works in Cambodia. Apparently, the situation is that the government there has decided that their inspectors must approve every piece of ham equipment for use.

Here's the message in its entirety:

Cambodia Amateur Licence

We are the group of amateur operators resident in Cambodia and up until 2020 we renewed our Cambodia Amateur Certificates every year. In 2020 the Telecommunications Regulator of Cambodia (TRC) introduced the new requirement to only renew certificates for hams with a transceiver that had a Cambodia Type Approval (TA). At the moment there is no Cambodia TA for an amateur transceiver. As the TA process looks to be quite expensive, we have decided to just apply for the Yaesu FT-891. We have provided the TRC with the Conformity Certificates from the rear of the American and European FT-891 Manuals, together with other information, but they require

more information including the TA Test Results for 1) EMC Test report, 2) Health and Safety Test reports & 3) Radio Frequency Test Report.

We have approached Yaesu in Japan and they say they cannot supply the TRC with the TA Test results and at present there is no facility in Cambodia able to carry out the tests. We have been trying to obtain these docs for the TRC but so far have been unable. As a result, the resident amateurs here and any visiting hams have been unable to renew their Cambodia Amateur Certificates.

Would any QRZ members know of where we might obtain a copy of the FT-891 test results? We ourselves don't need to see them and if they are available, they would just need to be sent directly to the below:

Sokharath Penh, Director, Dept Radio Frequency Regulation, TRC. sokharath.penh@trc.gov.kh and Vannak ICH, Technician, Radio Frequency Licence Office, TRC. ich.vannak@trc.gov.kh, or please let me know and we can follow up.

We would greatly appreciate it if any ham knows where we might be able to get a copy of the docs for the TRC. – **Capt Dave Taylor**, C&T Capt / AMEL, XU7AKG / ZL3AIK, Kingdom of Cambodia

SHORTS

NUCLEAR POWER PLANT EXERCISE INCLUDES AMATEUR RADIO EMERGENCY SERVICE --The Ohio Amateur Radio Emergency Service (ARES®) just completed a dry-run exercise for the Perry Nuclear Power Plant in Lake County, Ohio. ARRL Ohio Section Emergency Coordinator Stan Broadway, N8BHL, said the drill was practice for the federally judged exercise scheduled for September. --ARRL

ARRL 2021 ANNUAL REPORT NOW AVAILABLE TO DOWNLOAD – ARRL The National Association for Amateur Radio® has published its *2021 Annual Report*. The report summarizes ARRL's program and fiscal activity for the year.

In his introductory remarks, ARRL President Rick Roderick, K5UR, said that the organization moved steadily forward in 2021, gaining momentum after the challenges that 2020 brought. "It began bit by bit in the early months of the year, with Headquarters staff returning to the office, and reached a turning point on July 15, the day we rededicated ARRL Headquarters and reopened the building and W1AW to our members," Roderick said. He also noted that the rededication ceremony "gave all of us an opportunity to reflect on where ARRL has been, and affirm where we are headed," and expressed excitement for what's coming next. --ARRL

THANKS FOR READING

THE RCA ARC MONTHLY NEWSLETTER IS COMPILED AND EDITED BY JIM RINEHART, K9RU AND JIM KEETH, AF9A. ALL MATERIAL CONTAINED HEREIN IS OBTAINED FROM THE SOURCES CREDITED AND EDITED FOR THIS NEWSLETTER.
