



RCA Amateur Radio Club Indianapolis, IN



ARRL Affiliated Club
www.w9rca.org

JUNE 2022

MONTHLY NEWSLETTER

THE NEXT MEETING OF THE RCA AMATEUR RADIO CLUB WILL BE TUESDAY, JUNE 14th, 6:30 PM
AT NORTH SIDE EVENTS, FORMERLY
THE KNIGHTS OF COLUMBUS, 2100 EAST 71st, INDIANAPOLIS, IN

RCA ARC NEWS

MAY MEETING SUMMARY – Thanks to all who attended the May meeting. Jim, K9RU, reported the .88 repeater was used for communications for the Mini Marathon. It worked well in spite of the fact that one remote receiver at IVY Tech was not operational. Jim will try again to contact someone at IVY Tech who can give us access to the site. Previous contacts have retired. Arrangements for the Dayton Hamvention were discussed. Several members reported that DX has been “pretty good” recently. Dick, W9ZB, called our attention to the upcoming June VHF contest and rule changes for this year. Larry, W9INE, long time member of our Club and now living in Estes Park, CO, gave details on their club's activities including their ISS contact last year.

AMATEUR RADIO LICENSE TEST SESSION

Date: Saturday, **June 11, 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 NCVEC 605.
Contact: Jim Rinehart, k9ru@arrl.net, 317 721-1458

HAMFESTS, OPERATING EVENTS, VOLUNTEER OPPORTUNITIES

June 11-13 ARRL June VHF-UHF Contest <http://www.arrl.org/june-vhf>
June 25-26 ARRL Field Day <http://www.arrl.org/field-day>

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.

RCA ARC at the Hamvention – Friday was the day most of us attended the Hamvention. Going by the parking lots and the shuttle buses, they had a good crowd.

When we got there the rain had stopped but the flea market was muddy. It looked bigger than in the past. There were deals to be found early in the day but by afternoon the flea market had dried up and so had the deals.

It didn't appear that there were any new rigs introduced by the major manufacturers.

We did get together in the track grandstands at noon for lunch as in the past. After the Hamvention we went to BJ's restaurant for dinner. --Jim K9RU

INDY UNITED / RCA ARC Field Day Operation is June 25-26 – The RCA ARC will be part of the Indy United ARC, W9SU Field Day operation again this year. This group is a combined club effort.

The RCA ARC will handle the 6 meter setup and operation. Most of the 6 meter operation will be digital FT8 and we could use a few more operators.

Operation will again be from the Victor Conservation Club, south of Mooresville and in the 3A class with two HF CW stations, one HF SSB station, a GOTA and a VHF (6 meter) station.

Setup will begin Friday at 1 PM with the goal of getting all the antennas up and station operational by Friday evening.

FD officially starts at 2 PM EDT Saturday and runs for 24 hours. There is will be food and drinks available Friday evening, Saturday and Sunday. Tent camping is allowed Friday and Saturday. – Jim K9RU

ARRL NEWS

ARRL Indiana section manager spring election results

The results of Indiana Section Manager (SM) elections were determined when the ballots were counted at ARRL Headquarters on Tuesday, May 24.

In Indiana, Bob Burns, AK9R, received 625 votes, and incumbent Section Manager Jimmy Merry, KC9RPX, received 344 votes. Burns, a resident of Brownsburg will begin his 2-year term on July 1. Merry, a resident of Ellettsville, has served as SM for the past 4 years.

2022 ARRL Field Day is June 25-26

ARRL Field Day is ham radio's open house. Every June, more than 40,000 hams throughout North America set up temporary transmitting stations in public places to demonstrate ham radio's science, skill and service to our communities and our nation. It combines public service, emergency preparedness, community outreach, and technical skills all in a single event. Field Day has been an annual event since 1933, and remains the most popular event in ham radio. Plan your participation now. Visit www.arrl.org/FieldDay for rules and resources.

ARRL EXPO and Hamvention® 2022 a Great Success

By all accounts, the 2022 Dayton Hamvention®, which also served as the 70th reunion, was a great success. The official attendance at the 2022 Dayton Hamvention® was 31,367 visitors. General Chairman Rick Allnutt, WS8G, said although that was about 1,000 less than 2019, he considered it "not bad" for a pandemic recovery year. Hamvention was canceled in 2020 and 2021 because of the COVID-19 pandemic.

The 3-day run, May 20 - 22, at the Greene County Fairgrounds and Expo Center in Xenia, Ohio is estimated to bring over \$30 million dollars to the economy of the Dayton metropolitan region.

ARRL's large exhibit area, ARRL EXPO, included a steady flow of visitors who were treated to a variety of exhibits representing popular membership programs and services. More than a dozen booths were led by a team of 80+ program representatives and volunteers that included members of the ARRL staff, Board of Directors, and Field Organization.

Using the theme "Be Radio Active," ARRL also organized many Hamvention forums to encourage attendees to become more active and involved with amateur radio.

An ARRL Youth Outreach forum on Friday highlighted resources and ideas for attracting and developing young hams. ARRL Education and Learning Manager Steve Goodgame, K5ATA, led

the crowd of attendees through a highly interactive session discussing strategies, tools, and reasons for engaging youth. Centered around the theme of 'How and Why to Engage Youth in Amateur Radio,' forum attendees participated in discussion groups and shared their findings throughout the forum. The entire presentation was recorded by Josh Nass, KI6NAZ, and can be viewed on his YouTube channel, Ham Radio Crash Course, at <https://youtu.be/QZco6tEIKBc>.

Goodgame's participation also included exhibits for ARRL Education and Learning programs and the Teachers Institute. "Both booths were very busy during the entire convention," he said. "We made a concerted effort to draw-in not only ham radio instructors and others interested in our educational programs, but youth themselves." Young hams and prospective hams were surveyed by volunteer Cyndi Goodgame, K5CYN, about their experiences and interests with amateur radio, for the purpose of gaining insightful data to help drive future ARRL programming and outreach. "Attendees who were not licensed, or were seeking upgrades, were shown tools and techniques to help them prepare for their ham radio license exam," said Goodgame. "Some even returned to the booth after passing their exams!"

ARRL Teachers Institute Instructors Larry Kendall, K6NDL, and Wayne Greene, KB4DSF, demonstrated some activities that teachers who attend the professional development program are taught and take back to their classrooms. Adults and youth were given information on the program to take back to their schools, with the goal of continuing to grow the Teachers Institute. An October 2022 session of the [Teachers Institute](#) is planned.

An ARRL Membership Forum was held on Saturday afternoon and moderated by Great Lakes Division Director Dale Williams, WA8EFK. The forum included presentations on behalf of the ARRL Historical Committee presented by Midwest Vice Director David Propper, K2DP, and the Legislative Advocacy Committee, presented by West Gulf Division Director John Robert Stratton, N5AUS. The forum concluded with remarks from ARRL President Rick Roderick, K5UR, and ARRL CEO David Minster, NA2AA.

Addressing the membership forum, President Roderick recognized the important contribution of nearly 7,000 ARRL Field Organization volunteers across the country who contribute to strengthening ARRL and amateur radio, and serve their communities. Roderick also urged members to help grow our next generation of radio amateurs by recruiting and developing young hams.

A video of the forum is available on ARRL's [YouTube channel](#). See more photos from Hamvention on the [ARRL Facebook](#) page. Read the [full story](#) on the ARRL website.

2022 CQ CONTEST HALL OF FAME INDUCTEES ANNOUNCED

CQ Amateur Radio magazine announced the induction of two new members to the CQ Contest Hall of Fame during a ceremony at the annual Dayton Contest Dinner on May 21. The Hall of Fame honors contesters who not only excel in personal performance, but who also give back to the hobby in outstanding ways.

The 2022 inductees are:

David Pascoe, KM3T, a highly accomplished multioperator and single-operator contester who has achieved many championships and record scores. He is also responsible for much of the "back room" infrastructure behind the administration of many major contests. David is a pioneer in live contest audio streaming and is a volunteer pilot for two organizations that provide free medical-related air travel.

Craig Thompson, K9CT, a world-class contester and promoter of youth in contesting. He developed the North American Collegiate Championship (NACC) program, in which college amateur radio clubs compete against each other in the context of the larger competition - the North American QSO Party. Craig is also involved in several amateur radio organizations and is currently chairman of the ARRL Contest Advisory Committee.

The CQ Contest Hall of Fame was established in 1986 to recognize amateurs who have made major contributions to the art of radio contesting.

-Thanks to [Southgate Amateur Radio News](#)

2022 YOUTH ON THE AIR (YOTA) CAMP IS JUNE 12 - 17

The 2022 Youth on the Air (YOTA) Camp will be on the air and streaming online. The campers will be operating special event station W8Y from the National Voice of America (VOA) Museum of Broadcasting in West Chester Township, Ohio, as well as from their hotel. Activation of W8Y will begin on the evening of Sunday, June 12, and conclude at 1 PM EDT on Friday, June 17. Campers will operate the station as they finish projects, between camp sessions, and during their free time.

In addition, dedicated HF station operating times will be on Monday, June 13, from 2 - 11 PM EDT. Dedicated satellite station operating times will be on Thursday, June 16, and Friday, June 17, from 10 AM - 1 PM EDT. Earth-moon-Earth (EME) will be in operation on Tuesday, June 14, and Monday, June 13, from 9 to 11 PM EDT.

The opening and closing ceremonies will be streamed live on the [Youth on the Air YouTube channel](#). The opening ceremony will take place on Sunday, June 12, from 4 PM EDT - 6:30 PM EDT and will feature keynote speaker Dr. Nathaniel Frissell, W2NAF, the founder of Ham Radio Science Citizen Investigation ([HamSCI](#)). The closing ceremony is on Friday, June 17, from 1 PM - 2 PM EDT. The YOTA [YouTube channel](#) will also feature a daily video that will spotlight the activities of the previous day.

For details about the 2022 YOTA Summer Camp, download the brochure from the YOTA web page, at www.youthontheair.org.

For additional information, contact Camp Director Neil Rapp, WB9VPG, at director@youthontheair.org.

ARRL KIDS DAY IS ON SATURDAY, JUNE 18, AND WILL RUN FROM 1800 UTC THROUGH 2359 UTC.

It's the perfect opportunity to introduce youngsters to the excitement of amateur radio. The exchange is the participant's name, age, location, and favorite color. Sponsored by the Boring, (Oregon) Amateur Radio Club, Kids Day is held every year on the first Saturday in January and the third Saturday in June. More information is available at www.arrl.org/kids-day.

NEW MULTIOPERATOR CATEGORY AND YOUTH OVERLAY ADDED TO IARU HF WORLD CHAMPIONSHIP

A new Multioperator, Two Transmitter Category has been added to the 2022 IARU HF World Championship, which occurs during the second weekend in July (July 9 - 10, 2022). The rules for the new category mirror those of the 2022 World Radiosport Team Championship (WRTC) event, which was postponed this year and rescheduled for 2023.

The new category was added to provide a real-world practice event for those teams competing in the WRTC event. Complete rules are available at www.arrl.org/iaru-hf-world-championship.

In addition, a Youth overlay has been added to the Single Operator categories in the event for those participants who are aged 25 and younger.

3Y0J BOUVET ISLAND DXPEDITION NEWS

[Editor's note] Progress reports on the DXpedition to Bouvet Is., scheduled for Jan, 2023, are frequently published in the Ohio/Penn DX Bulletin by Tedd Mirgliotta, KB8NW. Here's the most recent.]

(Press Release, date June 3rd).[edited]

In late April we successfully conducted a 4-day vessel inspection in Brazil that ended with a very good result. The inspection was carried out by a 3rd party vessel inspector and covered more than 105 checkpoints. The vessel inspection focused on safety equipment, instruments, navigation, engines/machinery, deck, tenders, fuel&fluids, interior, and exterior. Marama is in very good condition and hence the overall feedback is positive. The vessel went through significant upgrades with regards to machinery and engines in 2021 and has since been tested for years, most lately during the previous Antarctica season. The inspection file resulted in a punch list of only a few minor items to be followed up, no major findings during the 4-day inspection.

The team is currently working on the final preparations for packing the container scheduled to be shipped from Oslo in early September. Preparing the packing and shipping the container is extremely time consuming and requires a focus on details as our more than 2 years of work now is being materialized into packing lists and labeling the equipment. Today we have finally decided our container will be shipped to Port Stanley, Falkland Island. In Port Stanley a local team of ham radio operators will assist us in receiving the container, conduct a container inspection and make sure all is OK before the team arrive in early January. To Bouvet the team will bring with us 6500 kg of equipment, which includes several tons of fuel and food. Our contract allows for 22 days on the island, but we have food for 30 days and a plan for rationing should we have to stay beyond 22 days.

At this stage all the operators have already paid their full deposit of their individual 20,000 USDs operator fee. This is your insurance that we will do whatever we can to make this DXpedition a success. In a few weeks we will pay our 2nd vessel deposit to Marama. Ultimately this represents a huge undertaking for us financially as well a commitment to go to Bouvet and activate the rare #2 DXCC Bouvet island. With all the preparation and planning over the course of the last two years you can rely on our commitment and our determination to go onshore Bouvet in a zodiac 7 months from now.

Going to Bouvet would simply not be possible without the support from the vendors, clubs, foundations, and individual sponsors. June 1st, we completed our budget update, and this shows we're still missing roughly 100,000 USDs out of our 690,000 USDs budget to be able to go to Bouvet. As we now prepare for the next vessel deposit, we need your support to close the gap. Please consider supporting us by donating upfront. You can follow our plans from our website and the 3Y0J Facebook pages:

<http://www.3y0j.no> <https://www.facebook.com/groups/3093983840726129>

SHORTS

The official attendance at the 2022 Dayton Hamvention® was 31,367 visitors. General Chairman Rick Allnutt, WS8G, said although that was about 1,000 less than 2019, he considered it "not bad" for a pandemic recovery year. Hamvention was canceled in 2020 and 2021 because of the COVID-19 pandemic.

Orlando HamCation Returns But Covid Still Affects Attendance – Chairman says lower numbers reflect continued reluctance by many to fly or be in large crowds.

Vibroplex Buys Expert Linears America – Telegraph key manufacturer now the exclusive U.S. distributor and service center for SPE Expert linear amplifiers.

Significant Ham Radio Presence Planned for Chinese Space Station – Payload set for launch

later this year to include FM and packet repeaters, equipment for crew voice contacts and SSTV/ digital images.

U.S. Military (Again) Re-Discovers HF – Defense Department looking at HF radio as backup system for fleets in Pacific and Indian Oceans.

Power By Radio? - U.S. Naval Research Laboratory says it has successfully used the 10-GHz band to transfer 1.6 kilowatts of electric power one kilometer.

Presentations from 2022 Contest University are Now Available Select sessions from 2022 Contest University were live streamed by DX Engineering via YouTube and Facebook. Those who missed the live streams can view the presentations at www.youtube.com/watch?v=drZCwoVzUqE&t=22047s. Presenters shown in the video include Frank Donovan, W3LPL; Tim Coker, N6WIN; Ward Silver, N0AX, and Bob Sherwood, NC0B. Thanks to Tim Duffy, K3LR; Icom America, and DX Engineering for providing the video of the event.

A Bit of History – Recently, in trying to find some historical information, I did a Google search which, among other things came up with a link to the March, 1941, issue of *Proceedings of the IRE*. For those of you too young to remember, the IRE was the “Institute of Radio Engineers.” In the 1960s, the IRE merged with the “American Institute of Electrical Engineers,” (AIEE) to become the current organization, IEEE. *The Radio Amateur's Handbook* ad ran in 1941. --Jim

AF9A

Books

The Radio Amateur's Handbook, Eighteenth (1941) Edition, by the Headquarters staff of the A.R.R.L.

Published by the American Radio Relay League, Inc., West Hartford, Conn. 552 pages, including 8-page topical index and 96-page catalog section of amateur radio equipment. Approximately 830 illustrations and 90 charts and tables. 6½ × 9½ inches. Price, paper bound, \$1.00 in continental U.S.A., \$1.50 elsewhere; buckram bound, \$2.50. Spanish edition, \$1.50.

The Handbook deals particularly well with the three major constituents of a radio station, the receiver, the transmitter, and the antenna system. Considerable space is devoted to each, giving design factors and construction details for numerous practical examples. A tabulation of characteristics and miscellaneous data relative to over 600 types of vacuum tubes is included.

Other sections cover briefly such subjects as fundamental principles, regulations, station operations, workshop practices, League activities, etc.

The quality and format of publication is good and the Handbook should prove useful to anyone interested in amateur radio.

H. O. PETERSON
R.C.A. Communications, Inc.
New York, N. Y.

WinTrak Tracking System Now Available Gary Abercrombie, N8CQ, has announced that his *WinTrak Tracking System* is now available as a complete controller with an aluminum enclosure and 2.4-inch OLED front panel display. The main *WinTrak* application currently runs on Windows 10 and Raspberry Pi. Tracking of the moon, sun, planets, and other astronomical objects is built-in to the system.

WinTrak is derived from the *RazTrak* Raspberry Pi tracking system and now also supports Windows 10 users with connectivity over a standard USB interface.

More information is available at

<https://www.dropbox.com/sh/whkxqeb9phkxxml/AACNyqsVDBglm04AA3MCG3dRa?dl=0>

or by email at gabercr@gmail.com.

That's all for this time. Remember to send contesting-related stories, book reviews, tips, techniques, press releases, errata, schematics, club information, pictures, stories, blog links, and predictions to contest-update@arrl.org. Paul, N1SFE

New Super Check Partial Files Available Stu Phillips, K6TU, has announced that a new release of the Super Check Partial database is available at www.supercheckpartial.com. If you find any errors in the files, please let Stu know by sending an email to logs@supercheckpartial.com. The next release of the database will be in early June. Any requested changes to call signs that are received by noon PST on June 1, 2022 will be included in the next release.

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. EMAIL TO mail to: WebMaster@w9rca.org. Check our web site at <http://www.w9rca.org>
