

ARRL Affiliated Club www.w9rca.org

JUNE 2025

MONTHLY NEWSLETTER

THE NEXT MEETING OF THE RCA AMATEUR RADIO CLUB WILL BE TUESDAY, JUNE 10, 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, AF9A, reported the '88 repeater has been operating normally. It worked well for the "Mini." A check covering our Club's portion of FD expenses has been taken care of. Jim, K9RU, reported on his activities in the Indiana QSO party. Jim needs names for those wishing to operate the 6m station during Field Day. Coming up, a VHF contest and "Ships on the Air" in June. Jim, K9RU, reported he had made a reservation for seven people at Nick's Restaurant for dinner Friday after the Hamvention. We'll have the usual get-together in the grand stand at 12 noon Friday at the Hamvention.

Our Club web site, W9RCA.org, was recently changed to a secure site. To access the site, you will have use https://w9rca.org

AMATEUR RADIO LICENSE TEST SESSION

Date: June 14, 2025

Time: Starting at Noon by appointment only.

Location: Salvation Army EDS Training Facility, 4020 Georgetown Rd

Indianapolis, IN 46254-2407

Contact: James Kajder (505) 228-3704

Email: testing@indyradioclub.org

Required: FCC FRN and a completed NCVEC 605 license application form.

Laurel VEC test sessions: https://www.laurelvec.com/?pg=exams/

HAMFESTS, OPERATING EVENTS, VOLUNTEER OPPORTUNITIES

Salvation Army Open Net, Thurs. 7PM, W9RCA repeater, 146.88 MHz, tone 88.5 Hz

June 14-16 ARRL VHF Contest https://www.arrl.org/june-vhf

June 14 Monroe County Hamfest, Monroe County Fairgrounds, 5700 W.

Airport Rd, Bloomington. Contact: Tom Henderson W9YW, phone

317-250-4646, email: W9YW@arrl.net

June 28-29 ARRL Field Day https://www.arrl.org/field-day#rules

June 28 Amateur Radio Day Tailgate at Camp Louis Ernst, 9139 SR 7,

Dupont. Contact: David Redding Jr. N9VDT, phone 812-341-4202,

email: dave@n9vdt.com

WA7BNM expanded contest calendar, https://www.contestcalendar.com/

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

Hamfest or Convention: www.arrl.org/hamfests

Find a license exam in your area: www.arrl.org/exam

ARRL Home: www.arrl.org

FIELD DAY OPERATION WITH INDY UNITED

W9SU will be operating from the Victor Conservation Club south of Mooresville, 6675 Red Day Rd, Martinsville, IN 46151. This is a joint effort of several Indianapolis clubs under the Indy United banner.

There will be 4 HF stations on SSB and CW. A GOTA SSB station operating as **W9RCA**, and a 6 meter station mainly FT8. Setup starts Friday afternoon, June 27th continuing Saturday morning, (10 AM) June 28th. FD starts at 2 PM local Saturday ending at 2 PM Sunday.

Tent camping is allowed. There will be food available, but they ask for a \$20 donation for the weekend or \$5 a day. Cathy, W9QKR, handles the food and it has been quite good, with hamburgers and hot dogs, sloppy Joe or pulled port and fried chicken on Saturday evening. There is also breakfast and lunch Sunday.

The RCA ARC will have the responsibility for setting up and manning the 6 meter station. The same setup that we used last year, with a ICOM IC-756 Pro III and a 4 element beam at 30 feet. Six meters is usually a daytime band, not much in the evenings. We are still looking for 6 meter operators, let me know if you can help out. -- Jim K9RU k9ru@arrl.net

RCA ARC AT THE DAYTON HAMVENTION

The weather was great and the Hamvention was crowded with what looked like the best attendance in the past years. Organizers report that a record attendance of 36,814. The flea market was great also but prices seemed to be a bit high, but most were willing to bargain.

We had a good turn out at noon in the grandstands that gave us a chance to talk about what we had seen and purchased and as well as catch up on what we were doing. It is always good to see Harold Smith, KE6TI, and Larry Olson, W9INE, and talk with them about what projects they are working on.

David Spoelstra, N9KT, was at the AMSAT booth with the new beginners satellite book, that he edited, and was just released.

Ten-Tec was there showing their new radio and they are now located in Ohio and also have the Alpha linear amp line.

After the Hamvention we met for dinner at Nick's Restaurant, which is almost within walking distance of the fairgrounds. We had reservation for the patio and 7 attended.

Food and service was excellent. We had a great time comparing what we had seen and bought and telling stories. --Jim K9RU

ARRL TEACHERS INSTITUTE SET FOR RECORD YEAR

The <u>ARRL Teachers Institute on Wireless Technology</u> (TI) has 13 sessions announced in 2025, with more in the works. The program, from ARRL The National Association for Amateur Radio® is a donor-funded professional development program designed to help classroom teachers elevate their science, technology, engineering, and mathematics (STEM) programs using wireless technology.

"This is all possible because of the high level of confidence that our donors have in the program. We are grateful that many have stepped up to make this all possible," said ARRL Director of Development Kevin Beal, K8EAL. Through donations to the ARRL Education and Technology Program, donors have entrusted ARRL to help teachers integrate amateur radio into their curriculum.

The support has been from all levels. During a YouTube telethon to benefit the program, individual hams contributed more than \$21,000, which unlocked another \$20,000 challenge gift from donors. David Ginsburg, N3BKV, funded an endowment in the name of his parents. The Hy and Mimi Ginsburg Educator position is the first of several major gifts to the program.

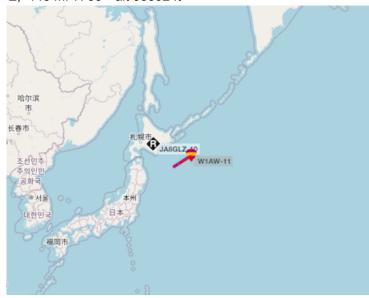
"We are so excited that we get to grow the program this year," said ARRL Education and Learning Manager Steve Goodgame, K5ATA. Part of that growth has involved making sessions available in <u>local communities</u> across the country. After a successful first remote session was held on Staten Island, another will take place next week in Louisiana. The <u>Johns Hopkins University Applied Physics Lab is hosting one</u> later in the year.

"The success of the program is evident, but the lasting impact may go even further than we can measure today," said Goodgame. Network media outlets have covered programs built by TI graduates, and there are hundreds of active hams in the schools that TI graduates lead.

The momentum continues to build around the program. "We're seeing a huge response from the education world. Word is spreading, and teachers are excited for what the TI can help them accomplish," said Goodgame. --ARRL

ARRL HIGHLIGHTS FROM 2025 DAYTON HAMVENTION

ARRL interacted with thousands of members at 2025 Dayton Hamvention®, held May 16-18 in Xenia, Ohio. There were many ARRL programs and services available to visitors to the ARRL Expo area. The ARRL Youth Lounge was busy throughout the event, and "the kids were loving it," according to Education and Learning Manager Steve Goodgame, K5ATA, who pointed out that the young visitors were building code keys from 3D-printed kits and testing them out by sending messages. Saturday's ARRL Youth Rally saw several dozen young people get engaged with a day of ham radio fun. The Youth Rally actually extended into Sunday, with the kids contacting skydiver Carlos Ortiz, K9OL, as he parachuted to the ground with a handheld radio. A little later, they launched an APRS-equipped balloon, **W1AW-11**, on a hopefully round-the-world trip. It flew into Africa on Thursday afternoon after crossing the Atlantic Ocean. W1AW-11 Updated: 2025-05-25 22:09:32 (9d 11h) Position: 41°46.60' N 147°57.11' E, 143 MPH 55° alt 38532 ft



Back at Hamvention, the ARRL Collegiate Amateur Radio Program booth was a flurry of activity with young adult hams for the whole weekend. Beal says those wishing to contribute to this entirely donor-funded program can visit www.arrl.org/givetostem.

ARRL VEC Manager Maria Somma, AB1FM, was on hand to help members renew their licenses and to encourage ARRL VE teams to migrate to the all-digital exam system offered by Exam Tools. She noted that it streamlined the process for VEs because there was nothing to mail after a session.

The ARRL Lab tested more than 170 radios in the booth, including a handheld radio that fell 14,000 feet (Yes, it was K9OL's!). It not only survived the fall in working condition but still passed the spectral purity test. The chance to visit with members was encouraging for ARRL Digital RF Engineer John McAuliffe, W1DRF, saying "It was nice to have one-to-one with members who don't normally have direct contact with the lab."

Many members stopped in to see the ARRL Icom Dream Station that one eligible member (see how you can earn entries here) is going to win. The grand prize for the ARRL Sweepstakes, an Icom IC-7760, sat on display in a glass case at the booth.

ARRL-sponsored forums were popular, especially a new one: Salty Walt's Portable Antenna Forum saw a packed house. "Salty Walt" Hudson, K4OGO, also had long lines to visit with him and get a signed copy of his new ARRL book, Salty Walt's Portable Antenna Sketchbook. The book, which made its debut at Hamvention, shows examples of successful antennas that Salty Walt has created for his fun seaside operating sessions. Salty Walt has amassed a large following on YouTube by bringing viewers along on his adventures and sharing his down-to-earth approach to tinkering. "What you saw in that forum," said Hudson, "is where hams are today. What I try to do is simplify things. Go out, try, do, make mistakes. That's what my YouTube channel is all about."

Links - ARRL News Coverage of 2025 Dayton Hamvention®

Thursday, May 15

Thursday Video

Thursday: Phil Karn, KA9Q, Awarded Hobart Medal

Friday, May 16

Friday Video

Saturday, May 17

Saturday Video

Sunday, May 18

Hamvention Sights and Sounds - KL9A 2025 Dayton Contest Dinner Speech

Tim Duffy, K3LR shared video of Chris Hurlbut's, KL9A, keynote speech at the 2025 Dayton Hamvention Contest banquet. Chris has been a ham since he was 10 years old and he's been fortunate enough to operate from some of the best contest stations in the world. He was a World Radiosport Team Championship (WRTC) competitor in 2006, 2010, 2014, and 2018.

You can view the video at www.youtube.com/watch?v=ZCD8BiAgq_s

YouTube Links to 2025 Hamvention Antenna Forum Presentations

Tim Duffy, K3LR, moderated an Antenna Forum held at the 2025 Dayton Hamvention on Friday, May 23.

Links to the videos of the presentations are available below:

"Comparison of Vertical Arrays for Low Band Receiving" Joel Harrison,

W5ZN - www.youtube.com/watch?v=rmzMnsZ UIU

"Wideband Wire Antennas" Fred Lass, K2TR - www.youtube.com/watch?v=TshVEbOp IY

"All Choked Up! Feedline Choking Without Suffocating" Greg Ordy, W8WWV - www.youtube.com/watch?v=uzqfLfp3h 8

"Solar Cycle 25 Lessons Learned for Amateur Radio" Dr. Tamitha Skov, WX6SWW - www.youtube.com/watch?v=ULQJwQ1m1Dk&t=2856s - Thanks to Tim Duffy, K3LR

AMATEUR RADIO READY FOR ABOVE AVERAGE HURRICANE SEASON

Hurricane season begins on Sunday, June 1. The National Oceanic and Atmospheric Administration (NOAA) predicts this season to be above-normal in activity, citing above-average Atlantic Ocean temperatures. The scientists say the season will likely produce between 13 and 19 named storms, including 3 – 5 major hurricanes.

Amateur radio provides a robust toolset, a trained volunteer corps, and durable infrastructure for emergency preparedness. There are several ham radio nets that the National Hurricane Center (NHC) relies on to inform forecasts through surface observations made by the volunteer operators.

ARRL The National Association for Amateur Radio® encourages all amateurs to participate in the <u>Hurricane Watch Net</u>, the <u>VOIP Weather Net</u> and others that provide support and information via <u>WX4NHC</u>, the <u>amateur radio station at the NHC</u>. ARRL Director of Emergency Management Josh Johnston, KE5MHV, says each ham's individual observations can make all the difference in a critical situation. "We know of stories from hurricanes in the past where a report from a ham radio station changed the forecast for landfall and impact by the NHC. We are also aware of information being shared of people being trapped and were able to get assistance to those victims after the storm." Amateur radio operators provide an important tool before, during and after a storm. The Hurricane Watch Net is hosting <u>a special operating event to mark its 60th anniversary</u> on June 7 – 8.

ARRL Public Relations and Outreach Manager Sierra Harrop, W5DX, says recent storms underscore the value of amateur radio When All Else Fails®. "During Hurricane Helene, it was the volunteer hams who jumped into action to relay health and welfare information. As mountainsides washed away, the repeaters on top were still working. Licensed amateur radio operators took to the air using their own equipment to provide a link of important information that no other means could. During Hurricane lan, a ham saved lives on Sanibel Island by providing emergency crews the information they needed to rescue a family from rising flood waters."

ARES AT NVOAD AHEAD OF HURRICANE SEASON

ARRL's <u>Amateur Radio Emergency Service®</u> (ARES®) program provides a framework for volunteer groups to integrate with served agencies in their local communities to use the value of the Amateur Radio Service before and during times of crisis. Last week, ARES was represented by Johnston at the <u>National Voluntary Organizations Active in Disaster (NVOAD)</u> conference in Louisville, Kentucky. Johnston met with leaders of dozens of organizations to raise awareness and build relationships. "Blue skies are the time to build bridges and make plans. Many groups have used ham radio for years, but it's always encouraging to share information with people who may not understand the capabilities and value ham radio provides," he said. Johnston was also a speaker last month at the amateur radio workshop at the National Hurricane Conference.

HURRICANE WATCH NET REMEMBERS AND CELEBRATES 60 YEARS

In September 1965, Hurricane Betsy hit Florida, the Bahamas, and the central US Gulf Cost. The damage was nearly \$1.42 billion, earning the storm the nickname Billion Dollar Betsy.

Forecasting for storms like Betsy was still in its infancy.

Bobby Graves, KB5HAV, the current Hurricane Watch Net (HWN) manager, shared that amateur radio operator Gerald E. "Jerry" Murphy, K8YUW, then 28 years old, was stationed at the U.S. Naval Mobile Construction Battalion Center in Davisville, Rhode Island. "During his time off, he handled countless phone patches and messages to and from military-deployed personnel as a member of the Intercontinental Amateur Radio Net (IARN) on 14.320 MHz. The public was becoming concerned," said Graves. "In 1965, there wasn't any access to 24-hour news and weather reports. Murphy suggested to the IARN net manager to move those interested in the storm up 5 kHz to get them off the net, and the net manager agreed. Marcy Rice, KZ5MM, located in the Canal Zone (Panama), followed Murphy, and together they established the first Hurricane Watch Net on 14.325 MHz."

Murphy passed away in March 2025. Marcella E. Rice (Marcy) died in 1989.

Now, the HWN will host a two-day on-air special event to celebrate its 60th anniversary on June 7 – 8, 2025. Net control stations, located across the United States, will all operate using the callsign WX5HWN on or near 14.325 MHz and 7.268 MHz at the following times:

- •Saturday, June 7: 10:00 AM to 10:00 PM EDT (1400 0100 UTC)
- •Sunday, June 8: 10:00 AM to 5:00 PM EDT (1400 2100 UTC) Note: Operations on 7.268 MHz will conclude at 3:00 PM EDT (1900 UTC).

A special commemorative certificate will be available by sending an email request to wx5hwn@hwn.org no later than June 30, 2025. This special event has been scheduled for the early days of the Atlantic hurricane season, which runs from June 1 through November 30. While the season typically peaks from mid-August to late October, tropical cyclones can form at any time.

For more details about this event and the Hurricane Watch Net, visit: www.hwn.org. --ARRL

2025 ARRL FIELD DAY: FAQ WITH THE CONTEST PROGRAM MANAGER

The days are longer, the weather is warmer, and June is upon us! hat means we are in the countdown to 2025 ARRL Field Day! There's a lot of excitement building around the theme of "Radio Connects" and hams across North America are preparing for the big weekend of June 28 – 29.

In their efforts to prepare for the activations, many radio amateurs are researching the finer points of Field Day rules. All the information is available on the ARRL Field Day website at www.arrl.org/FieldDay, but ARRL Contest Program Manager Paul Bourque, N1SFE, wants to make sure hams can find answers to the most frequently asked questions.

Q: I'm interested in participating in Field Day for the first time this year. How can I find a club near me that's hosting Field Day so that I can join in on the fun?

A: You can search for nearby Field Day sites with the Field Day Site Locator at https://www.arrl.org/field-day-locator. The tool provides locations, talk-in frequencies, and contact information for sites located throughout the Unites States and Canada.

Q: Which digital modes are allowed during Field Day?

A: Any digital mode that can support the required Field Day exchange may be used.

Q: I plan on operating portable during Field Day as a single operator. Am I allowed to operate from multiple locations throughout the event? Class B (portable) stations are fixed stations.

A: All equipment must be located within a circle whose diameter does not exceed 300 meters (1,000 feet). The only Field Day operating class that's allowed to operate from more then one location is Class C (mobile). A mobile station must have all equipment in or on the vehicle and

must be capable of being operated while in motion. For example, you can't mount a telescoping mast to your trailer hitch and erect a full-sized beam or vertical antenna.

Q: Where can I find out more about ARRL Field Day?

A: There's a wealth of additional information available at the ARRL Field Day website, https://www.arrl.org/field-day. Click on the Rules and Resources link where you'll find rules, information packets, and more answers to frequently asked questions. There's also a FAQ published in the 2025 ARRL Field Day Guide, starting on page 57 of the June issue of *QST*.

Bourque says that if there's a specific question that's not covered here, in the Field Day guide in *QST*, or on the website, contact fdinfo@arrl.org.

Also, don't forget the ARRL Field Day merch! T-shirts (complete with sections checklist on the back), pins, patches, stickers, posters, and more may be ordered from the ARRL Store. Place your order soon to ensure your swag gets to you in time for the big event!

USE THE 2025 ARRL FIELD DAY SITE LOCATOR

2025 ARRL Field Day is five short weeks away on June 28 – 29. The theme of "Radio Connects" highlights how radio ties our world together — bridging distances near and far, connecting people of all ages and walks of life through a shared interest in wireless technology, and providing a hands-on pathway for future technology leaders to experiment with radio as part of science, technology, engineering, and mathematics curricula.

ARRL has made it easy for radio clubs to make in-person connections during the event. In addition to the resources available for promoting activations that are available on the Field Day website at www.arrl.org/FieldDay, there is a site locator tool. Clubs can list their activations, and those looking to attend a Field Day site can find one in their area.

ARRL Public Relations and Outreach Manager Sierra Harrop, W5DX, says the locator tool is important for bringing people together. "ARRL Field Day is a great opportunity to gather. Not only will members of the public be able to visit with radio amateurs about our hobby, but many not-so-active hams use the event as a chance to get on the air," said Harrop. "The site locator is key for making those connections."

With a little more than a month to go until the big weekend, there were 538 sites listed on the locator. To search for a site near you, just go to the map and zoom in on your area. Click on the red map pins for details about each site. To add information to the locator, click on "Add a Station".

ARRL Field Day is the most popular on-the-air event held annually in North America. More than 31,000 hams participate each year. Connect with others who are preparing for the event in the official <u>ARRL Field Day (Annual Event)</u> Facebook group.--ARRL

AMATEUR SPECTRUM ADDRESSED IN US HOUSE RECONCILIATION BILL

ARRL The National Association for Amateur Radio® reports that early in the morning of May 22, 2025, the US House of Representatives passed a massive Reconciliation bill with the below spectrum provisions relevant to Amateur Radio.

- Within two years not less than 600 megahertz must be identified from between 1.3
 and 10 GHz for reallocation to commercial use for broadband services.
- The identified spectrum must be auctioned by the FCC for such services on an exclusive, licensed basis as follows: not less than 200 megahertz within three years (mid-2028) and the remaining spectrum (at least 400 megahertz) within six years (mid-2031).

Excluded from spectrum that could be reallocated for these purposes is 3.1 – 3.45
 GHz (which includes the temporary secondary Amateur band at 3.300 – 3.450
 GHz) and 5.925 – 7.125 GHz.

With regard to Amateur spectrum, the bands that potentially could be subject to consideration for reallocation under this legislation are 13 cm (2300 – 2310 & 2390 – 2450 MHz) and 5 cm (5650 – 5925 MHz). At this time a number of bands have been mentioned informally for consideration, none of which include Amateur spectrum. But the bands under consideration could change and ARRL will closely monitor the evolving situation.

Additionally, some government operations may be required to consolidate in current Amateur secondary spectrum that is already shared with those government uses. In select instances this might constrain Amateur operations if such consolidation occurs.

It is to be emphasized that these provisions have been passed by the House, but key US Senators have not agreed to some aspects and have stated their intention to modify these provisions as the bill moves through Senate consideration. The stated goal for final enactment is by July 4, 2025. --ARRL Letter

ARRL FOUNDATION ACCEPTING GRANT APPLICATIONS IN JUNE

The ARRL Foundation is accepting grant applications from amateur radio organizations for eligible amateur radio-related projects and initiatives, particularly those focused on educating, licensing, and supporting amateur radio activities. To grow amateur radio's future, youth-based projects and initiatives are especially encouraged.

The ARRL Foundation grants program accepts proposals on a cyclical model three times a year: in February, June, and October. Proposals for the June grant period are accepted through June 30. Awardees will be notified approximately 1 month after the closing of each cycle.

The ARRL Foundation carefully manages a portfolio of endowments where donors have provided specific goals for their gifts, and that portfolio is invested and managed in a way that it can continue to support those goals for many years to come. Additional information and a link to the grant application can be found at http://www.arrl.org/amateur-radio-grants --ARRL Letter

TECHNICAL

New Book Release: Using the Baofeng® Radio

Your Guide to a Handheld Ham Radio

Using the Baofeng® Radio is a new book from John Leonardelli, VE3IPS, published by ARRL. It provides detailed information on the settings screens for several popular Baofeng radios. It also includes cheat sheets with the most frequently used settings and helpful tips.

Leonardelli is a longtime Baofeng user and enthusiast, and his book gives readers everything they need to start using their handheld ham radio on the air legally, safely, and effectively.

The book details operating with the popular UV-5R, the rugged UV-82, and the DMR-enabled DR-1801UV. *Using the Baofeng® Radio* covers how to program and use these radios with only the front panel and built-in settings. It then elaborates on using the free programming software *CHIRP* to program memory channels using a laptop or home computer. Finally, it describes how to program the radio to communicate around the world using Digital Mobile Radio (DMR), which may be accessed through repeaters or mobile hotspots.

Using the Baofeng® Radio is now shipping. Order from the ARRL online store or find an ARRL publication dealer; ARRL Item No. 2240, ISBN: 978-1-62595-224-0, \$19.95 retail. For

additional questions or ordering, call 1-888-277-5289 toll-free in the US, Monday through Thursday 8 AM to 7 PM and Friday 8 AM to 5 PM Eastern Time. Outside the US, call (860) 594-0200.

SHORTS

Marion County Skywarn activities were highlighted in the *Current* which serves the northern Indianapolis suburbs:

https://youarecurrent.com/2025/05/19/eyes-in-the-skies-central-indiana-skywarn-volunteers-provide-real-time-updates-during-severe-weather/

The Clifty Amateur Radio Society got a future Parks on the Air activation from Clifty Falls State Park listed on the Indiana Department of Natural Resources calendar: https://events.in.gov/event/HamRadioParksontheAir?utm_campaign=widget&utm_medium=widget&utm_source=State+of+Indiana

AMSAT-DL has sent a Request for Expression of Interest to various other AMSAT organizations and amateur radio associations for a proposed ham radio-focused project known as "futureGEO," operating from a geosynchronous satellite.

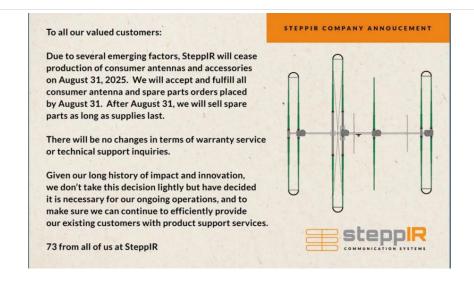
The group is hoping to receive proposals no later than the 30th of June. AMSAT-DL's request comes two years after the European Space Agency described its vision of having amateur radio on a geosynchronous satellite, designed to cover the north of North America and Europe, and which drew on proposals from AMSAT-DL and AMSAT-UK.

Meanwhile, a new satellite-based FM repeater comes online in June. On board the HADES-ICM satellite it will initially be active on Fridays, Saturdays, and Sundays.

It has an uplink of 145.875 MHz and a downlink of 436.666 MHz. Another repeater, HADES-R, already operates full time with a 145.925 MHz uplink and a 436.888 MHz downlink. --Newsline G4NJH.

YASME GRANT WILL FUND RBN NODE ON SOUTH ATLANTIC ISLAND – The world's most isolated settled island is adding an important amateur radio presence: A Reverse Beacon Network node. The node project is being given a supporting grant from the Yasme Foundation and will be hosted by Andy Repetto, ZD9BV, on Tristan da Cunha, a British overseas territory in the South Atlantic Ocean. The Reverse Beacon Network comprises stations in different parts of the world that monitor the bands and send reports of what - and who - they hear. It is an all-volunteer effort. --Newsline VK2LAW.

SteppIR will cease production of consumer antennas and accessories --W2RE



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.