



RCA Amateur Radio Club

Indianapolis, IN



ARRL Affiliated Club
www.w9rca.org

APRIL 2026

MONTHLY NEWSLETTER

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

RCA ARC NEWS

1. **MARCH MEETING SUMMARY** – Thanks to all those who attended the March meeting. Field Day 2026 was discussed. Our Club will contribute \$50 and be responsible for the 6m station as we've done in the past. Jim, K9RU, has sold one power supply donated to the Club. He is working on various other pieces of equipment which have been donated. The use of FT-8 on field day was discussed. Our '88 repeater is operating normally. We will pay the Indiana Repeater council dues! K9RU is making a list of those who plan to attend dinner after the Hamvention on Friday, and will make reservations. Location is Nick's at 1443 N Detroit St., Xenia, OH 45385.

AMATEUR RADIO LICENSE TEST SESSION

Date: April 11, 2026
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 NVEC 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

Apr 17 FMT, ARRL Frequency Measuring Test, 0230 UTC, Thurs.
evening in North America
April 19 ARRL Rookie Roundup <http://www.arrl.org/rookie-roundup>
April 25 RCARC Tailgate, Veterans Memorial Park, Parker City
May 2 Indiana QSO Party (INQP) <http://www.hdxcc.org/inqp/>
May 2 500 Festival Mini Marathon see below for info

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

INQP WILL BE HELD SATURDAY MAY 2ND

The 2026 Indiana QSO Party (INQP) will be held Saturday May 2nd from 11:00am to 11:00pm EDT (Saturday 1500 UTC to Sunday 0259 UTC). This can be a lot of fun, check out 20M and 40m in the afternoon and 40m and 80m in the evening.

Contest Exchange: Indiana stations send RS(T) plus their INQP exchange from this list. For example, an Indiana station in Marion county would send "59 INMRN".
<http://www.hdxcc.org/inqp/counties.html>

Non-Indiana stations in the USA and Canada send RS(T) and state, province or territory. all others send RS(T) and "DX".

Logging Software: <http://www.hdxcc.org/inqp/software.html> The rules for the INQP can be found here: <http://www.hdxcc.org/inqp/rules.html> The activity map showing the planned county activations can be found here: <http://www.hdxcc.org/inqp/activity.php>. If you are planning to participate, please notify Tim K9WX (timk9wx@gmail.com) to get your participation posted on the activity map.

Our goal is to have activity from all 92 counties for some period of time during the 12 hours of the QSO party. If you can only devote 30 minutes of your time during the 12 hour period that is fine. Your county will have been activated at some point during the QSO party.

If you have any questions, please contact Mark Musick, WB9CIF at markmusick@outlook.com

Thank you and 73, Mark Musick, WB9CIFINQP

Committee Member BTW: you do work the mini marathon in the morning and get on later in the afternoon and make a few QSOs!

MORE VOLUNTEERS NEEDED FOR THE 2026 500 FESTIVAL MINI MARATHON AND 5K

Ham radio volunteers are still needed for the 500 Festival Mini Marathon May 2nd. The 500 Mini is among of the largest mini marathons in the nation. We still need about 20 more hams to help out. Amateur radio operators will enhance safety along the course route at mile markers and pit stops.

On location time for all positions is 0630 with staggered releases once the end passes your location. Volunteers will need a dual band HT and the ability to operate up to 6 hours so extra batteries may be needed. We need YOUR support. Please let me know if you can help this May 2nd for the 2026 Mini Marathon. Follow the link at www.mcinares.org/publicservice/500mini to sign up.

INDIANA HAMS LIVING UNDER HOAS GAIN ANTENNA PROTECTIONS

The Indiana General Assembly has passed and Governor Mike Braun has signed a bill that adds protection for amateur radio operators who live in homeowner association (HOA) regulated housing developments.

Official language of the House Bill 1152 can be found at [IGA | House Bill 1152 - Homeowners association matters](#).

“Prohibits a homeowners association from adopting or enforcing a regulation, rule, or other policy that prohibits a person from maintaining an amateur radio antenna. “

Credit for adding the new language goes to Hunter Reed, KD9YLQ; Campbell Reed, KD9GEK, and State Senator Scott Alexander for their efforts writing and introducing the bill, and to the Muncie Area Amateur Radio Club, an ARRL Affiliated Club.

The bill takes effect on July 1, 2026.

ARISS OUTLINES OPPORTUNITIES FOR SPACE STATION CONTACTS IN 2027

The Amateur Radio on the International Space Station (ARISS) program is seeking formal and informal educational institutions and organizations, individually or working together, to host an amateur radio contact with a crew member on board the ISS.

Crew members will participate in scheduled amateur radio contacts. These radio contacts are approximately 10 minutes in length and allow students to interact with the astronauts through a question-and-answer session.

ARISS anticipates that the contact would be held between January 1 and June 30, 2027. Crew scheduling and ISS orbits will determine the exact contact dates. To maximize these radio contact opportunities, ARISS is looking for organizations that will draw large numbers of participants and integrate the contact into a well-developed education plan.

The deadline to submit a proposal is May 22, 2026, 11:59 PM Pacific Time. Proposal information and necessary details are at ariss-usa.org/proposal-overview/.

An ARISS Introductory Webinar session will be held April 30 at 8 PM ET. The Zoom link to sign up is: us06web.zoom.us/meeting/register/3yid9dxzRkmYfVroiP0nWA.

An ARISS contact is a voice-only communication opportunity via amateur radio between astronauts and cosmonauts aboard the space station and classrooms and communities. ARISS contacts afford education audiences the opportunity to learn firsthand from astronauts what it is like to live and work in space and to learn about space research conducted on the ISS. Students also will have an opportunity to learn about satellite communication, wireless technology, and radio science. Because of the nature of human spaceflight and the complexity of scheduling activities aboard the ISS, organizations must demonstrate flexibility to accommodate changes in dates and times of the radio contact.

Amateur radio organizations around the world, with the support of NASA and space agencies in Russia, Canada, Japan, and Europe present educational organizations with this opportunity. The ham radio organizations' volunteer efforts provide the equipment and operational support to enable communication between crew on the ISS and students around the world using amateur radio. Please direct any questions to education@ariss-usa.org.

Amateur Radio on the International Space Station (ARISS) is a cooperative venture of international amateur radio societies and the space agencies that support the International Space Station (ISS). In the United States, sponsors are ARRL The National Association for Amateur Radio, Amateur Radio Digital Communications (ARDC), Radio Amateur Satellite Corporation (AMSAT), NASA's Space Communications and Navigation program (SCaN) and the ISS National Lab—Space Station Explorers.

ARRL HOSTS SUCCESSFUL HAMSCI 2026 WORKSHOP

The worlds of amateur radio and ionospheric science came together once again on March 14 and 15 at the 9th annual HamSCI Workshop. [HamSCI 2026](#) was hosted by ARRL and held at Central Connecticut State University, just minutes away from ARRL Headquarters in Newington.

[HamSCI](#) – the Ham Radio Science Citizen Investigation program – encourages radio amateurs to collect data that scientists use in their research on ionospheric phenomena. This year’s workshop featured 17 oral presentations, 3 tutorials, 5 demonstrations, and 31 posters, and drew researchers from Virginia Tech, Saint Francis University, Dartmouth College, Boston College, and others.

ARRL CEO David Minster, NA2AA, welcomed participants at the conference opening, followed by Dr. Nathaniel Frissell, W2NAF, lead organizer of the HamSCI community, who set the stage for the weekend’s activities. The keynote speaker at Saturday evening’s banquet was NASA astrophysicist and Citizen Science Officer Dr. Marc Kuchner. The workshop also included a field trip to tour ARRL Headquarters, and attendees were invited to participate in late-night operating from the iconic W1AW station.

One overriding theme of the conference was that you don’t need to be a scientist to contribute valuable data. HamSCI’s basic Personal Space Weather Station, which costs around \$100, can observe space weather effects both as a single-point measurement and as part of a larger distributed network. The group has made data collection fun, with such activities as the Solar Eclipse QSO Party and Meteor Scatter QSO Party. One presentation demonstrated how ham observations and measurements captured ionospheric effects during two recent solar eclipses.

At Sunday morning’s poster session, University of Scranton student Owen Ruzanski, KD3ALD, described a project to develop a dashboard for HF contesting, DXing, and general operations using data from the Personal Space Weather Station and other remote sources. The project is intended to enhance the real-time propagation assessments sought by amateur radio operators.

For many participants, the chance to operate from W1AW was a highlight of the weekend. ARRL Senior Director of Marketing and Innovation Bob Inderbitzen, NQ1R, described the atmosphere at the station as “energetic.” All six guest operating positions were occupied until closing time at 11:30 PM Saturday. Participants were treated to a first-ever 630-meter contact from W1AW, a contact with the J51A DXpedition to Guinea-Bissau, and a QSO between W1AW and a remotely-controlled station in Bonaire, operated by Inderbitzen as PJ4/NQ1R with both control operators in the same room! The roughly 35 visiting operators had a chance to use equipment from multiple manufacturers, notably Icom, Yaesu, Kenwood and FlexRadio. Ryusuke Takata, JI1VHV, who had traveled from Japan to attend the workshop, made 46 contacts in 20 minutes! Each visitor left with a personalized certificate, and several considered it a once-in-a-lifetime experience.

ARRL extends its thanks to many partners supporting HamSCI 2026 including The University of Scranton, New Jersey Institute of Technology, the National Science Foundation, NASA, Amateur Radio Digital Communications, and others.

FCC WARNS LICENSEE ON OUT-OF-BAND TRANSMISSIONS

The Federal Communications Commission (FCC) has responded to a complaint involving a Pittsburgh, Pennsylvania, amateur for operating outside the privileges of his Technician Class license and causing interference to local emergency service communications by transmitting on a public service frequency, 470.4375 MHz.

According to a [letter released by the FCC’s Enforcement Bureau](#), agents investigating an interference complaint from Allegheny County Emergency Services determined that the interfering signal originated from the residence of David Knudtson, KD3ASC, who also holds a General Mobile Radio Service (GMRS) license, WSDQ885. The letter states that Knudtson gave the agents a BTech UV-Pro handheld which had been programmed to monitor the county emergency services frequency. Agents determined that its “Audio Relay” feature had been activated, turning the HT “into a simplex repeater that was retransmitting the Allegheny County channel.”

The letter continues that Knudtson, who is a relatively new amateur licensee, surrendered

the radio to the agents, who then “verified that the interference to the Allegheny County system had ceased.” The letter also notes that Knudtson’s BTech radio was certified as a Part 90 (private land mobile radio) device and that he was not licensed to transmit on the emergency services frequency.

Knudtson was warned that unauthorized operation and its associated harmful interference must not resume. He was given 10 days from the date of the March 25 letter to respond with a description of the steps he is taking to avoid a repeat violation.

Amateurs are reminded to exercise care when programming non-amateur frequencies into their VHF/UHF radios, and to ensure that transmitting on those frequencies is disabled.

DAYTON HAMVENTION 2026 AWARD WINNERS ANNOUNCED

Dayton Hamvention® has announced its [2026 Awards](#).

Technical Achievement Award: Robert Famiglio, K3RF

Robert B. “Bob” Famiglio, K3RF, has spent almost 60 years in amateur radio, blending technical expertise, legal knowledge, and leadership in emergency communications. Licensed at age 13, Famiglio later earned a BSE in electrical engineering and a doctorate in law. For more than 40 years he has served as volunteer counsel, advising hams on PRB-1 matters, zoning and antenna ordinances, RFI enforcement, and club governance. His technical understanding of station engineering and interference resolution has informed effective legal strategies and regulatory comments.

Famiglio served in many ARRL leadership roles, including EPA Section Manager, Atlantic Division Vice Director, and later Director. He also served several terms as Vice President & General Counsel of the Radio Club of America and functioned as corporate counsel for the board.

In emergency communications, he served as Amateur Radio Emergency Service® District Emergency Coordinator for Greater Philadelphia, supporting regional response agencies by applying technical expertise, message handling skills, and interoperability between amateur and public safety systems. His formal training as a professional firefighter enhances his ability to align ham radio technology with operational needs of served agencies.

A long-time mentor, Famiglio supports on-air training nets and club programs stressing technical competence, regulatory literacy, and readiness for public service. He believes that amateur radio’s core value lies in the skills, service, and technical capability of operators, not merely spectrum access, and he has worked to translate complex technical issues—spectrum coexistence, interference mitigation, and regulatory compliance—into clear, actionable recommendations for policymakers. His blend of engineering, legal acumen, and emergency response experience has encouraged continuous training, lowered barriers to participation, and inspired new generations of ham radio operators.

Amateur of the Year Award: Dr. Jose “Otis” Vicens, NP4G

Dr. Jose “Otis” Vicens, NP4G, was born and raised in Humacao, Puerto Rico. He was first licensed at the age of 16 and is the only amateur radio operator in his family.

Vicens studied biology at Purdue University, where he became active with the W9YB Purdue University Amateur Radio Club. He graduated from the University of Puerto Rico School of Dental Medicine and completed a specialty program in Pediatric Dentistry at Brookdale University Hospital and Medical Center in Brooklyn, New York. In 2008, Vicens returned to his hometown of Humacao to begin practicing orthodontics.

One of his early memories of service through amateur radio was in 1998, when Vicens helped provide communications support in Puerto Rico following Hurricane Georges. During the 2017 Puerto Rico hurricane disasters, he helped coordinate amateur radio

emergency communications across eastern Puerto Rico. Vicens recalled attending the DX Forum at Dayton Hamvention, where presentations on major DXpeditions inspired him to someday be a part of future adventures. He has now participated in many DXpeditions from all over the world including Bouvet Island (3Y) and most recently as Team Leader for KP5/NP3VI, the Desecheo Island DXpedition of 2026.

He is a past President of the Puerto Rico Amateur Radio League (PRARL), and President of the International DX Association (INDEXA).

Special Achievement Award: Martha Fell, N3QBE, and Joe Fell, W3GMS

Martha and Joe Fell's journey began in 1966 when Joe earned his Novice license (WN3GMS) at the age of fourteen. Shortly thereafter, he met Harry I. Davis, W3FDY (SK), who mentored him for four years. Harry taught him to think critically, design circuits, and execute projects with precision. His guidance was life-changing, and Joe pledged to honor his request to give back to others just as Harry had done for him.

To fulfill this promise, Joe chose to retire at age 56, following a 34-year corporate career and the successful launch of his own company. The success of this mission is thanks to his wife, Martha, whose dedication to overseeing administration and logistics has greatly benefited their students.

Their program's reach has grown significantly over the decades. In 1976, Joe designed and built a repeater for his mentor's radio site which remains operational 50 years later, serving a group of approximately 85 operators. Their weekly technical net has become a primary resource for both new and seasoned amateurs, including many professional electrical engineers.

Today, Martha and Joe Fell mentor students of all ages and interests. While their first student is currently pursuing a Ph.D. in Electrical Engineering at MIT, their youngest started at just eight years old.

Club of the Year: Long Island CW Club

Long Island CW Club (LICW) is an online Morse code training community built to help hams become confident and proficient CW operators. The club emphasizes high standards alongside a welcoming culture, focusing on teaching practical operational skills while fostering mutual respect and a spirit of learning for fun.

LICW offers structured classes from beginner through advanced, a wide range of topical forums and practice resources that help students move from "copying characters" to true conversational flow.

Instructors are volunteers who remember what it felt like to be new, and who coach students through plateaus with clear, effective teaching methods, encouragement, and accountability.

LICW includes strong participation and leadership across generations, including more than 400 women who serve as instructors and club leaders, along with programs that support youth and hams with disabilities. LICW is a community where people show up for each other, celebrate progress, and share the joy of CW on the air.

Read the complete 2026 Hamvention Awards announcement at hamvention.org/event-details/awards.

The 2026 [Dayton Hamvention](#)® will be held Friday, May 15 through Sunday, May 17, 2026, at the Greene County Fair and Expo Center, 210 Fairground Road, Xenia, Ohio.

HE NEVER STOPPED SENDING

A 25-year-old alone in a flooding room. The ship sinking beneath him. He kept tapping morse code into the dark anyway. His name was Jack Phillips. And almost nobody knows who he is.



It's April 14, 1912. The Titanic is on her maiden voyage from Southampton to New York. Jack is the chief wireless operator — the man responsible for all radio communications on the most famous ship ever built. He had celebrated his 25th birthday three days earlier. At 11:40pm the ship strikes the iceberg. Captain Smith rushes to the wireless room. "You better get assistance." Jack starts tapping CQD. CQD. CQD. The old distress signal. Over and over into the North Atlantic night. His assistant Harold Bride is beside him. At one point Bride leans

over and says: "Send SOS. It's the new call. It may be your last chance to send it." Jack switches signals. At 12:45 am on April 15, 1912 — Jack Phillips sent the first SOS ever transmitted from a sinking ship. For two hours he never left his chair. Water is rising through the corridors. Passengers are screaming. The band is playing. The lifeboats are going over the side. Jack keeps tapping.

His transmissions reach the RMS Carpathia 58 miles away. She turns immediately and steams toward the Titanic at full speed. Because of Jack Phillips — 705 people survive. Captain Smith comes to the wireless room one final time. "Men you have done your full duty. You can do no more. Abandon your cabin. Now it's every man for himself." Jack doesn't move.

His last transmission: "Come quick. Engine room nearly full." Then silence.

Harold Bride survived. He was washed off the deck and clung to an overturned lifeboat in the freezing Atlantic. As he was pulled aboard the rescue ship Carpathia he looked back at the water. He saw Jack. Clinging to debris in the dark. Already gone.

Bride later said: "I will never live to forget the work of Phillips during the last awful 15 minutes. I suddenly felt a great reverence to see him standing there sticking to his work while everybody else was raging about." Jack Phillips was 25 years old. He had no weapon. No special training. No heroic title. Just a morse key, a pair of headphones, and the choice to stay.

The Titanic disaster changed everything about radio at sea. Within months governments around the world passed laws requiring 24-hour radio watches on all ships. The SOS signal Jack sent that night became the international standard for over 80 years. Every life saved by maritime radio since 1912 carries a thread back to a 25-year-old tapping code in a flooding room. Who chose to stay.

73 Jack.

Did you know about Jack Phillips? Share this tonight so his story doesn't get lost.
--W2RE

TECHNICAL

On the air LIVE-ARRL podcast with ARRL's Education Specialist Wayne Greene, KB4DSF, as he discusses and demonstrates how to use Software Defined Radios. Whether you are curious about using the SDR to explore the RF spectrum or looking to integrate them into your home station, this session will break down the basics and show you how to get started. He will demonstrate how to monitor the amateur bands, air band, and some very interesting things you can monitor on the HF bands. You can catch On the Air Live on the ARRL's learning center, learn.arrl.org, on April 28th, at 8pm Eastern. Pre-registration is required and can be accomplished on the Learning Center. Date: April 28, 2026 Time; 8PM Eastern. Register Now

DX

DXpedition of the year? We just witnessed FOUR DXpeditions smash past 100,000 QSOs...and the year isn't even close to over.

But here's the real question. If you had to pick RIGHT NOW... who exceeded expectations the most?

I'll say it straight... Desecheo – KP5/NP3VI blew me away. 109,000+ QSOs... 100% remote. Solar powered. Unmanned for 50 days. That's next-level operating. But don't overlook the others: J51A – absolute volume monster, CYOS – massive performance in a short window. 3Y0K – Bouvet delivering under tough conditions

Who's missing from this list?-- W2RE



SHORTS

UPDATE: JOINT BALLOON LAUNCH FOR FLORIDA HAMS, STUDENTS –

This is an update to the story from our March RCA ARC Newsletter. A solar-powered high-altitude balloon was launched Feb.18th by middle schoolers in Florida -- and though it weighed only 15 grams, it carried an ambitious agenda for science - and the students.

The balloon is still going. If you want to track the balloon, visit aprs.fi and enter the callsign N4EAR-1. As of April 8, 09:18:47, 66 MPH, 58°, alt 41141 ft, over Iraq, 34° North, 32° East, heading east.

AMATEUR RADIO OPERATORS ON MOON MISSION ABOARD ARTEMIS 2 – Delayed weeks ago due to technical issues, NASA's Artemis 2 mission lifted off from Florida's Kennedy Space Center on the 1st of April, carrying a crew of four astronauts - three of whom have amateur radio licenses. Astronauts Reid Wiseman, KF5LKT; Victor Glover, KI5BKC, Jeremy Hansen, KF5LKU, and Christina Koch, now embark on a test flight that will pave the way for an eventual return of a human presence on the moon.

Meanwhile, four amateur radio operators here on Earth are among the group of 34 volunteers chosen by NASA to track transmissions from the Orion spacecraft during its 10-day journey. --NASA, ASSOCIATED PRESS

SSTV FROM ISS MARKING MAJOR MOMENTS IN SPACE – The next set of images to be transmitted from the International Space Station via SSTV will mark a number of high-profile moments in space. Watch for them this month.

The 65th anniversary of the first human space flight by cosmonaut Yuri Gagarin, the 45th anniversary of the first Space Shuttle flight and the 100th anniversary of the world's first liquid-propelled rocket launch by Robert Goddard. These are three of several space achievements being commemorated by Amateur Radio on the International Space Station through its selection of images to be transmitted as part of SSTV Series 31. The SSTV Mode will be Robot 36 and there will be two minutes between transmissions. Transmissions will begin on the 10th of April and continue through to the 14th of April. The frequency will be 437.55, plus or minus Doppler shift. --Jack Parker W8ISH, ARISS, AMSAT NEWS SERVICE

VOICE OF AMERICA MUSEUM TO EXTEND HOURS FOR HAMVENTION – Although the liveliest daytime action will likely be at the Greene County Fairgrounds in Xenia, Ohio, in May, that Hamvention epicenter isn't the only big draw for visiting amateurs that weekend.

The National Voice of America Museum of Broadcasting is welcoming Hamvention guests by offering extended hours from Thursday May 14th through to Sunday May 17th. The museum and the West Chester Amateur Radio Association, which is headquartered there, will be sharing a wide variety of exhibits that include a disc jockey's setup from a vintage radio station, vintage ham and shortwave equipment and the Voice of America's first transmitter, dating from 1942. The club's ham radio station, WC8VOA, will be sharing access to its shack - so come with your license and be prepared to get on the air. Admission is \$10 at the door. For each day's extended hours and for directions on how to find the museum from Xenia, visit the website voamuseum.org or wc8voa.org

The independent, nonprofit museum in West Chester, Ohio, is not affiliated with the US government's Voice of America service. – VOICE OF AMERICA MUSEUM

JUDGE ORDERS VOICE OF AMERICA BACK ON THE AIR – The Voice Of America broadcast service, which had been shut down amid controversy last year, is headed back into service.

Judge Royce C. Lamberth of the U.S. District Court in the District Of Columbia reversed actions taken last year by the Trump administration to shutter the Voice Of America and ordered VOA's journalists to return to work and the news service to resume broadcasting. Judge Lamberth had earlier ruled that the appointment of Kari Lake was illegal, hence voiding all layoffs and shutdowns which she made.

The VOA, founded in 1942 to combat Nazi propoganda in World War II, had been broadcasting in 49 languages to over 360 million people around the world when it was

shut down. If Judge Royce's ruling stands, their goal is to return to that level.

To be clear, Voice Of America museum and amateur radio club in Westchester, Ohio, a popular attraction during Hamvention, is not connected with or affected by this current situation. --NEW YORK TIMES

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.
