

# 2014 Annual Report



*A Century of Advancing the Art, Science  
and Enjoyment of Amateur Radio*

**ARRL** The national association for  
AMATEUR RADIO®



American Radio Relay League

# Annual Report

# 2014

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#### **About the Cover:**

Since 1914, ARRL has been the national organization for Amateur Radio in the United States. 2014 saw us reach the Centennial milestone, a feat few organizations accomplish. While our work of promoting the art, science, and enjoyment of Amateur Radio continued, we took time in 2014 to celebrate with our members by holding a year-long on-air special event and a grand convention in our home in the Hartford area of Connecticut.

Our members give us the privilege of providing training and guidance to all radio amateurs. We say thank you to every ARRL Member over the last 100 years, and look forward to continuing that service during our second century.



**Our co-founder, Hiram Percy Maxim.** A celebrated inventor and entrepreneur, Maxim created the American Radio Relay League in 1914 to help facilitate the relaying of messages via Amateur Radio. This first “network” of organized amateurs helped send messages farther than any one station could reach at that time.



**Maxim Memorial Station, W1AW,** provides both a welcome and pleasant operating experience using current radio technology for visiting Amateur Radio operators. Always looking forward, W1AW seeks to maintain its on-the-air presence through the gracious support of both ham radio operators and manufacturers.



## About ARRL

Founded in 1914 by Hiram Percy Maxim and Clarence Tuska, the American Radio Relay League (ARRL) is the national association for Amateur Radio in the US. Today, with over 165,000 members, ARRL is the largest organization of radio amateurs in the world. Our mission is simple:

**“To promote and advance the art, science, and enjoyment of Amateur Radio.”**

We base our mission on what we call the **Five Pillars: Public Service, Advocacy, Education, Technology, and Membership.**

*Many people become Amateur Radio operators because of their interest in radio technology and experimentation. ARRL is a leader in helping amateurs learn about technology and advance the state of the art.*

- Public Service**
- Advocacy**
- Education**
- Technology**
- Membership**

W1AW was busy during our Centennial year with many guest operators from all over the world, “living their dream.” [Bob Inderbitzen, NQ1R, photo]

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## What is Amateur Radio?

Amateur Radio (ham radio) is a popular service and hobby in which federally licensed participants operate communications equipment. The hobby of Amateur Radio is a mix of public service, fun, and experimentation. The service of Amateur Radio is a core element of neighborhoods and municipalities across the United States. In times of disaster, Amateur Radio has repeatedly been the only means of communication into or out of an affected area, providing critical information to authorities at the time when it is most needed. Licensed amateurs proudly serve their communities voluntarily, without compensation. Although amateurs get involved with radio for many reasons, they all have in common a basic knowledge of radio technology and operating principles, and pass an examination to earn a license from the Federal Communications Commission (FCC) to operate on radio frequencies known as the "Amateur Bands." These bands are radio frequencies allocated by the FCC for use by hams at intervals from just above the AM broadcast band all the way up into extremely high microwave frequencies.



ARRL Headquarters, located in Newington, Connecticut, has a staff of over 100 that serves the needs of our members. ARRL's Headquarters station, W1AW, transmits bulletins of interest to radio amateurs a minimum of 5 days per week. We also maintain an office in Fairfax, Virginia for interaction with federal agencies and other entities in the Washington, DC area.  
[Bob Inderbitzen, NQ1R, photo]



Eric Jarvi, AD7F (right), and his son Michael, KG7GEV, operating RTTY as W1AW/7 Washington. [Mark Tharp, KB7HDX, photo]



Julio Henriquez, AD4Z, operated W1AW/4 Florida on 80 and 40 meter CW from his home station in Miami and described the experience as "one of the most important moments of my life in radio." [Maria Henriquez, photo]



ARRL Indiana Section Public Information Coordinator/Officer Joe March, KJ9M (left), demonstrates Amateur Radio for Westfield, Indiana Mayor Andy Cook. [Tim Vermande, KD5URS, photo]



Michael Olbrisch, KD5KC, of El Paso, Texas enjoys taking Amateur Radio to new heights, so to speak. In this case, atop 10,000-foot Manzano Mountain in New Mexico.



## A Message from ARRL's President

The ARRL Centennial rocked the year and lit up the bands!

When we were brainstorming several years ago about what we wanted the Centennial experience to be, first on the list was a celebration that every ARRL member could participate in if he or she wanted to. We wanted the Centennial to be inclusive. The Centennial QSO Party was designed so that every one of us members had a point value, regardless of how we are associated with the ARRL. Recognizing that not all members would be able to attend the National Convention in Hartford, we designated Regional Centennial Conventions hosted by several large hamfests located around the country. This outreach, possible because of kind hospitality from the hamfest sponsors, helped to express the guiding principle that every member counts.

In that brainstorming session, I recall saying something about perhaps moving W1AW around the country — maybe having it operated in all the call sign areas to symbolize the not-just-Newington nature of the ARRL. The ARRL Headquarters staff took that simple notion and transformed it into a year-long hunt for W1AW, involving hundreds of volunteer operators, thousands of chasers, and nearly 3.5 million QSOs. What fun it was to chase and be chased! I had the privilege of signing W1AW/4 from Virginia during both activations, and it was genuinely moving to identify my modest station with that historic call sign. To everyone who played in the W1AW/x chase in any way, thank you for being part of an extraordinary operating event that gave so much fun to so many hams.

The National Convention welcomed hams from all over the US and from many other countries, too. Outstanding presenters and our many vendors made it a convention that people continued to praise long afterward.

ARRL's publications helped us to learn about and appreciate the events, technology, and people who made Amateur Radio and the ARRL what it has been and can be.

The Centennial year brought to a close our ambitious Second Century Campaign, during which every member had the opportunity to contribute financially to ensuring that the ARRL will have the resources needed to continue advancing the art, science, and enjoyment of Amateur Radio in an unpredictable future.

One thing we can predict about the future is that private land-use regulations will be having an increasingly chilling effect on Amateur Radio if they are not modified so as to offer the reasonable accommodation principle that PRB-1 has applied to municipal land-use regulation for the past 30 years. Private land-use regulations are proliferating in new housing developments all over the country, even in rural and small-town areas. In 2014, ARRL began work on the Amateur Radio Parity Act, a bill designed to provide federal accommodation of PRB-1 to private land use restrictions. I encourage you to read more about this important legislative effort in the Advocacy section of this Report.

Reflecting on the ARRL's first century, we see that our predecessors' goals were ambitious and their resolve was relentless. To achieve today's goals and overcome the future's challenges will require equally ambitious and relentless advocacy. Not just from a few members who happen to be ARRL officials, but from all of us — because every member counts.

73,

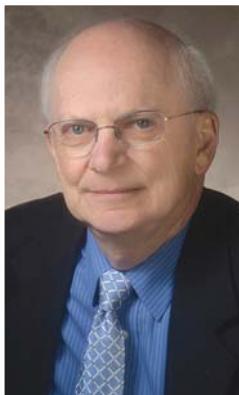
A handwritten signature in black ink that reads "Kay Craigie".

Kay Craigie, N3KN  
President, ARRL

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## Annual Report of the Chief Executive Officer for 2014

*To The Board of Directors of The American Radio Relay League*

Our Centennial Year will be long remembered.

We celebrated a century of leadership. We shared experiences, on the air and in person, with ARRL members and friends from all over the world. We pondered Amateur Radio's future and considered what we can do, now and in the coming years, to ensure that the future is at least as bright as the past.

A special feature of the year was the unveiling of a 24-minute video, *ARRL at 100: A Century of Ham Radio*. The program takes the viewer on a visit to the Hiram Percy Maxim Memorial Amateur Radio Station, W1AW, and then on a journey through time, beginning with the earliest experiments with wireless communications. It traces how ARRL members have protected and advanced Amateur Radio throughout the history of our association, making it possible for all radio amateurs to enjoy it today.

We achieved the eighth straight year of membership growth, finishing with 165,663 members — an increase of 2.1%. Amateur Radio grew as well, thanks in large part to the efforts of ARRL Volunteer Examiners who for the first time conducted more than 7000 exam sessions in a year. In 2014, there were 33,241 new amateur licenses issued, and 10,556 upgrades — both figures demonstrating an upward trend.

Strengthening the fiscal foundation of our national association was the objective of the Second Century Campaign. ARRL members contributed and pledged almost \$1.5 million to that end during the year, bringing the campaign's total above the \$7.5 million mark with more to come.

It was a joyful, meaningful year — and a great start to the next 100!

In June, the FCC completed action on a rulemaking proceeding, the most significant result of which was the granting of upgrade credit to many former amateurs with expired licenses. Fortunately, after considering our comments — and those of others — the Commission had second thoughts about some of its other proposals in this proceeding. On the other hand, we continue to wait for the Commission to act on domestic implementation of the new international LF and MF allocations at 135.7 kHz and 472 kHz and on the proposed upgrade of the amateur service to primary status in the upper half of the 160 meter band. Also pending is our petition, RM-11708, to replace the obsolete symbol rate limit on HF data emissions with a bandwidth limit in order to head off the future deployment of excessively wide data modes while permitting more efficient use of the bandwidths already in use.

In 2014, we honored those whose efforts brought us to where we are today. We celebrated the strength and health of our global Amateur Radio community. In the year ahead, we will mark the 100th anniversary of the publication of the first issue of the monthly ARRL membership journal, *QST*. Together with our colleagues in the International Amateur Radio Union (IARU) and its member-societies, we will continue to work for favorable outcomes on all of the agenda items potentially affecting Amateur Radio at the World Radiocommunication Conference of the International Telecommunication Union (ITU), to be held in Geneva in November. We will help celebrate the 150th anniversary of the founding of the ITU and the 90th birthday of the IARU. And most important, we will revisit the ARRL Strategic Plan and update our vision of how, by working together through the ARRL, radio amateurs can make the Amateur Radio Service everything that it can be for present and future generations.

Sincere 73,

A handwritten signature in black ink, appearing to read "David Sumner".

David Sumner, K1ZZ  
Chief Executive Officer



David Fowler, K4DLF, Southern Florida Section Manager (left), and Bill Johnson, Director of the Palm Beach County Division of Emergency Management, signed a Memorandum of Understanding (MOU) between the Division of Emergency Management and Amateur Radio Emergency Services (ARES) last November. The MOU outlines the commitment of ARRL and FEMA to work together to prepare for and respond to emergencies.

*In July, ARRL and FEMA signed a new Memorandum of Agreement (MoA) at the ARRL Centennial Convention in Hartford, Connecticut. This MoA completed nearly 2 years of work laying out the foundations of the partnership.*



The Mesilla Valley Radio Club of Las Cruces, New Mexico provides radio communications for the annual Turkey Trot races each November. Radio director George Kopp, KD5OHA (right), assigns the course section to be covered to Richard Johnson, KC5EVR, and Charlotta Johnson, KC5KWI. The Johnsons have radio-equipped bicycles, which allow them to keep the race director fully informed about the conditions on the race route and the locations of the runners. [Alex Burr, K5XY, photo]

## Public Service

Recognition of Amateur Radio as a public service is listed in the Federal Communications Commission's Part 97 Regulations governing Amateur Radio:

“(a) Recognition and enhancement of the value of the Amateur Service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.”

ARRL's volunteer Amateur Radio operators help their communities and nation, in good times and bad, through community events, disaster response, and various outreach programs.

## Emergency Preparedness

### Amateur Radio Activities in 2014

The 2014 was an average hurricane season in the Atlantic with nine tropical storms, eight named storms, and two major storms. Despite being an average year, it was relatively quiet from the Amateur Radio perspective, as most of these storms stayed clear of dense population areas. Amateurs continued to stay vigilant though through the work of WX4NHC, the Hurricane Watch Net, and ARES.

**Pacific Endeavor-14** — Military Auxiliary Radio Service (MARS) stations from Okinawa and the US West Coast joined members of the Canadian Forces Auxiliary Radio Service (CFARS) to participate in the first phase of the US Pacific Command's multinational “Pacific Endeavor-14” communication exercise that concluded on August 11. The disaster scenario was a massive earthquake in Nepal that caused a large number of casualties and crippled the country's infrastructure.

**EI Portal Wildfire (CA)** — Amateur Radio volunteers in California's Tuolumne County assisted local emergency managers and the American Red Cross by supporting communication at a shelter in Groveland, set up in the wake of the EI Portal Fire in Yosemite National Park. The National Park Service reported that the fire got its start in the community of EI Portal on July 26, and evacuations were put into effect for Foresta and Old EI Portal. In addition, the Crane Flat Campground was evacuated, and Big Oak Flat Road was closed.

**New England Severe Storms** — When severe weather erupted in Southern New England on July 27 and 28, SKYWARN volunteers went on alert to help forecasters track conditions and, afterward, to assist authorities with assessing the damage. A supercell storm system organized over northern Norfolk County, Massachusetts, on the morning of July 28 and raced through portions of northeastern Massachusetts, causing wind damage in sections of Needham.

**Alaska Shield 2014** — The Alaska Shield 2014 Exercise occurred between March 27 and April 3, 2014. The exercise covered complex issues related to catastrophic disaster response and the ability of communities to respond. ARES members in Alaska played a key part in the exercise, which was conducted in accordance with the National Exercise Program, Capstone 2014. ARRL HQ also participated by assigning Ken Bailey, K1FUG, as an observer at FEMA HQ in Washington, DC.

## Other Activities

In July, ARRL and FEMA signed a new Memorandum of Agreement (MoA) at the ARRL Centennial Convention in Hartford, Connecticut. This MoA completed nearly 2 years of work laying out the foundations of the partnership.

ARRL has continued its work with the National VOAD community and played a key part in getting the National VOAD Technology Task Force reestablished. The National VOAD board of directors accepted a recommendation for its reestablishment that was co-written by representatives from ARRL and LDS Disaster Services. ARRL Emergency Preparedness Manager Mike Corey, K1IU, has been named as the task force chairman.

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In July 2014, a working group was established to revise and update the Amateur Radio Emergency Service Manual. The group completed its task by December 2014 and submitted the final draft to the Programs and Services Committee for review and approval. The manual should be ready for public release by mid-2015.

## ARRL Field Organization

Composed entirely of volunteers, the Field Organization represents ARRL to our members throughout the United States and to the outside world. Member-elected Section Managers and a host of section-level appointees help assure that the needs of our members are addressed correctly.

The ARRL Field Organization had nearly 7700 appointments throughout 2014. Led by 71 Section Managers in as many Sections, the Field Organization appointees and leaders continued to promote ARRL and Amateur Radio in their communities and across their local areas and ARRL Sections according to their appointments. In many cases, their appointments coincide with an operator's special passion for Amateur Radio. This past year, the Section Youth Coordinator was officially added to the roster of the Field Appointments.

Field Organization staff members Steve Ewald, WV1X; Leona Adams, W1LGA, and Chuck Skolaut, K0BOG, provided administrative support to the Field Organization.



(L-R) National Hurricane Center Amateur Radio Coordinator John McHugh, K4AG; FEMA Administrator Craig Fugate, KK4INZ, and NHC Assistant Amateur Radio Coordinator Julio Ripoll, WD4R. [Rick Lindquist, WW1ME, photo]

Seven balloted elections took place throughout the year and 13 brand-new Section Managers started terms of office.

Section Managers and Field Organization Leaders and Appointees played a significant role in celebrating ARRL's Centennial Year. Many operated the Centennial QSO Party, operated in and/or led W1AW portable operations, and participated in the Centennial National and Regional Conventions throughout 2014. Annual events, such as the Simulated Emergency Test in the fall and SKYWARN Recognition Day in December, helped to round out the special year.

The graphic contains three distinct logos. On the left is the "AMATEUR RADIO EMERGENCY SERVICE" logo, which is circular with a blue border containing the text "AMATEUR RADIO" at the top and "EMERGENCY SERVICE" at the bottom, with a central blue diamond shape featuring a white lightning bolt and the letters "A", "R", "E", and "S". To the right of it is the "SKYWARN" logo, which consists of a stylized orange eye icon on a black background with the word "SKYWARN" in bold white capital letters below it. Below these is the "Ham Aid" logo, which features a smaller version of the ARRL emergency service logo next to the word "Ham Aid" in a large, bold, white sans-serif font on a red rectangular background.

*ARRL's volunteer Amateur Radio operators help their communities and nation, in good times and bad, through community events, disaster response, and various outreach programs.*



Minnesota operators Bill Mitchell, AE0EE; Dave Fugleberg, W0ZF, and Matt Holden, K0BBC, took a field trip to North Dakota to help with the W1AW/Ø operation there. [Bill Mitchell, AE0EE, photo]



(L-R) IARU Region 1 Emergency Communications Coordinator Greg Mossop, G0DUB; Greg Sarratt, W4OZK, and Johnny Tan, 9M8DB, observe as The Salvation Army's Bill Feist, WB8BZH, demonstrates the SATERN remote station control system. [Photo courtesy of Greg Sarratt, W4OZK]

## Advocacy

ARRL is Amateur Radio's proactive advocate and representative voice in achieving regulatory and legislative success. Through our efforts in Washington and on the international stage through the auspices of the International Amateur Radio Union, ARRL works to ensure that access to the Amateur Radio spectrum remains available and free from interference as well as from acquisition by commercial interests. Our Media and Public Relations strategies focus on promoting Amateur Radio to the news media and to the world at large.

## International Allocations

2014 marked a critical juncture in Amateur Radio's preparations for the 2015 World Radiocommunication Conference (WRC-15), as the technical reports supporting the effort to obtain a global secondary allocation near 5.4 MHz were concluded. ARRL's professional staff in Fairfax, Virginia, and IARU volunteers from around the globe contributed to these reports through work that was heavily vetted in both domestic and international proceedings. The work paid dividends in the fall, when CITEL, the regional telecommunications body for OAS member states, adopted an Inter-American Proposal for an allocation from 5275 – 5450 kHz. While this is very much toward the high end of possible outcomes of WRC-15, work continued at the end of 2014 to gain support from other regional organizations.



*The most important mission of the IARU is to serve as the voice of Amateur Radio at the International Telecommunication Union (ITU) and regional telecommunications organizations.*



ARRL West Gulf Division Director Dr David Woolweaver, K5RAV; ARRL CEO David Sumner, K1ZZ; U.S. Rep. Greg Walden, W7EQI (R-OR); ARRL President Kay Craigie, N3KN, and ARRL Hudson Division Director Mike Lisenco, N2YBB, meet in Rep. Walden's office to discuss the Amateur Radio Parity Act legislation.



The students and primary staff for the 31st USTTI Amateur Radio Administration Course at ARRL Headquarters: (L-R) ARRL Chief Technology Officer Brennan Price, N4QX; Virat Uansri; Annop Nittaya, HS1PLO; Peter Djakwah, KM4EQL; Oki Gari, KM4EQM, and ARRL Assistant to the Chief Executive Officer and Meeting Planner Lisa Kustosik, KA1UFZ. [Sean Kutzko, KX9X, photo]

## International Amateur Radio Union (IARU)

The ARRL serves as the International Secretariat of the IARU, supporting the officers and other volunteers of the worldwide federation of national Amateur Radio organizations. The most important mission of the IARU is to serve as the voice of Amateur Radio at the International Telecommunication Union (ITU) and regional telecommunications organizations. In 2014, this included representation at the ITU Plenipotentiary Conference, held in Busan in the fall. IARU Secretary and former ARRL President Rod Stafford, W6ROD, was in attendance. Stafford and ARRL Technical Relations Specialist Jonathan Siverling, WB3ERA, teamed to represent Amateur Radio earlier in the year at the World Telecommunication Development Conference, held in Dubai in the spring.

## International Education and Goodwill

Four students from three countries (Ghana, Thailand, and Papua New Guinea) attended the annual USTTI Amateur Radio Administration Course in Newington, September 29 – October 3, 2014, with units taught by a number of ARRL staff members. This class continues to be a valued outreach initiative to international decision makers who have as much of a say as anyone from the United States. CTO Price taught the course, and Assistant to the CEO and Meeting Planner Lisa Kustosik, KA1UFZ, coordinated the League's participation with USTTI and hosted the students.

## Regulatory Items

The Regulatory Information Office at the ARRL was quite active during 2014 on both the national and state level — and at times even working with ARRL members on local governmental ordinances and problems. It is responsible for interfacing with ARRL members on Part 97 rules issues, manages the ARRL Volunteer Counsel and Volunteer Consulting Engineer programs, assists the membership and Field Organization on local, state, and federal rules and legislative activities, and serves as a resource for other ARRL Headquarters departments.

During the year, the office evaluated hundreds of pieces of state legislation to determine any potential impact on Amateur Radio. Dozens of proposed distracted driving bills were reviewed and the ARRL Field Organization leadership were alerted when a bill could potentially impact amateurs in their state were identified. No state currently prohibits the operation of Amateur Radio while mobile, but this will remain an ongoing project for the League.

In mid-June, Congressman Adam Kinzinger (IL-16) introduced the Amateur Radio Parity Act of 2014 into the US House of Representatives. Congressman Joe Courtney (CT-02) was the original cosponsor. Known as HR-4969, the bill, if adopted and signed, directed the FCC to extend their current PRB-1 protections to include private land-use restrictions. By the end of the session in December, broad bipartisan support had been achieved, with a total of 69 members of Congress signing up as cosponsors, including significant numbers from both parties. Though the bill did not proceed to full Congressional consideration, the broad base of support should carry over. Mr Kinzinger has already committed to reintroduce the act into the new Congress.

As part of the ARRL grassroots legislative efforts, well over 5000 letters were received from ARRL members across the US. These letters were given to our Washington team and hand-delivered to dozens of Congressional offices. This process allows our DC team to continue to develop one-on-one relationships with key members of Congress and their staff persons. There is a lot that remains to do to promote the Amateur Radio Parity Act in the 114th Congress, and ARRL will continue working tirelessly to get this important legislation enacted into law.

In mid-summer, the FCC released its Report and Order on WT Docket No. 12-283, RM-11629, RM-11625, and WT Docket No. 09-209. This R&O issued new rules that addressed several issues of concern to ARRL. The Commission has revised the Amateur Service rules to grant credit for written examination elements 3 (General) and 4 (Amateur Extra) to holders of expired licenses that required passage

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of those elements, provided they had passed and held a new Technician class license grant. The FCC also adopted the ARRL proposal to authorize certain Time Division Multiple Access (TDMA) emissions in the Amateur Service.

## Media and Public Relations

2014 was all about ARRL's Centennial. Internal PR (to the Amateur Radio community) was focused on the National Centennial Convention, and the two on-air events sponsored by ARRL, the Centennial QSO Party and the W1AW Worked All States Event. Externally, ARRL received extensive coverage, including two pieces on National Public Radio and a full-page article in the Hartford Courant. ARRL was also honored by the Town of Newington, the home of W1AW since 1938 and ARRL's administrative offices since 1963. ARRL's Centennial received additional coverage when mentioned by our affiliated clubs throughout the United States in local and regional articles covering all facets of Amateur Radio.

The PR Department also worked closely with the Regulatory Information Office and ARRL General Counsel to help promote HR-4969, the Amateur Radio Parity Act of 2014, through extensive use of social media (Facebook and Twitter).

2014 saw ARRL add 31 new Public information Officers (PIOs) to the Field Organization, for a total of 447. PIOs tell the story of their Amateur Radio group's efforts to their communities and local media. Nine new Public Information Coordinators (PICs), overseeing PIO activities in their respective Sections, were added, bringing the total to 56.

The library of audio public service announcements (PSAs) was refreshed in 2014 by Media and Public Relations Manager Sean Kutzko, KX9X, and is usable by radio broadcast outlets and podcasts.

## Science and Skill Report

At the request of the ARRL Board of Directors, the Public Relations Committee prepared a special report in 2014, *Science and Skill in Service to Your Community*, which highlighted Amateur Radio's service to the country in disaster communications, public service, and educational outreach over the previous 2 years. The Science and Skill report will be used to showcase Amateur Radio's capabilities to elected officials at all levels of government and assist with legislative issues affecting Amateur Radio across the country.

## ARRL Online Library

PR was also tasked with the creation of an online library of PowerPoint presentations and PDF documents, submitted by the ARRL membership. These materials can be used for presentations to clubs, or for general education of ARRL members. The Online Library went live at the very end of 2014. The Library also features an Oral History section, where amateurs can be recorded and tell their story of radio as they lived it, aiding in the preservation of Amateur Radio history.

## Social Media

According to the Pew Research Center in January 2015, 58% of all US adults were regular users of Facebook. That's roughly 134 million people. Social media is a way of interacting with our members (and prospective members) that simply cannot be overlooked.

ARRL continues to expand the role social media plays in communicating with and serving our members. ARRL's Facebook page received 14,624 "likes" in 2014. ARRL maintains five different Twitter feeds with a combined audience of 46,400 "followers," up nearly 50% from 2013. Membership interest in interacting with ARRL online is increasing rapidly, and we are seeing an upward trend with members using ARRL's social media presence as a primary source to get their questions answered.

The Media and Public Relations Department, led by Sean Kutzko, KX9X, will continue to work on social media engagement strategies for our current members and as an outreach and recruitment tool to select groups whose own interests would be complemented by Amateur Radio.

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ARRL reaches out to thousands of members and prospective members through social media platforms such as Facebook.



Laura Delay, K2LAD, and Mike Gladu, N1FBZ, handling the W1AW/1 pileups from Kill Kare State Park in Vermont. [Bob Henneberger, KB1WXM, photo]

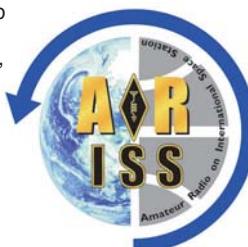


Neil Foster, N4FN, assists a student at Mill Springs Academy in Milton, Georgia during the School Club Roundup. Participating students received commemorative pins that said, "MSA GOTA — I got on the air!" [Martha Muir, W4MSA, photo]

*Education is one of the most basic reasons for the League's existence. From expanding the knowledge base of amateurs worldwide to promoting Amateur Radio in the classroom, ARRL's educational materials and programs represent the world's finest knowledge base of Amateur Radio.*



Members of the Wilson High School Amateur Radio Emergency Communications (AREC) team in Long Beach, CA work to raise an antenna with the help of Spanish teacher Anthony Santamaría, who stopped in to teach them how to tie knots for guying the mast.



## Education

Education is one of the most basic ways in which ARRL serves Amateur Radio. From expanding the knowledge base of amateurs worldwide, to promoting Amateur Radio in the classroom, ARRL's educational materials and programs represent the world's most comprehensive knowledge base of Amateur Radio.

### Licensing Instruction

In 2014, ARRL published a new edition of our study manual, the ARRL Ham Radio License Manual, to prepare prospective licensees for the entry-level FCC Technician Amateur Radio License. In addition to the study manual, we developed a new online app that allows students to do review and take practice exams in preparation for the official FCC license exam. We also developed new materials to support instructors who are offering Technician license exam preparation in a classroom setting. These materials were offered free to ARRL Registered Instructors.

### Education and Technology Program

Our impact in classrooms continues to grow as the reach of our donor-funded professional development opportunity, the Teachers Institute on Wireless Technology, expands. The Teachers Institute (TI) program is a fundamental component of the Education & Technology Program portfolio of resources made available to teachers in US schools to advance the integration of electronics, radio science, and the hands-on learning offered by employing ham radio in school curricula. We offered three sessions of our Teachers Institute workshops in 2014. These included two sessions of the Introduction to Wireless Technology (TI-1), and one advanced seminar, Remote Sensing and Data Gathering (TI-2). A total of 34 teachers participated in the three Institutes. In 2014, the TI-2 seminar featured a new resource, a marine research buoy, outfitted with electronic sensors. The buoy resource is provided to each teacher at the Teachers Institute for them to assemble and program. This "do-it-yourself" activity trains the teacher in how the microcontroller is programmed to sample the data, how to configure Amateur Radio Automatic Packet Reporting System (APRS) to send and receive the data, how electronic sensor data is converted into usable information about the environment, and how to upload the data into Excel for evaluation and analysis. Using this resource in the classroom, students can learn how telemetry is configured and data collected by programming the buoy themselves and deploying it in a local body of water to do environmental research.

Two School Station grants and three Progress Grants were awarded through the ETP grant program in 2014. These grants are for full Amateur Radio stations to be installed on site at schools or for ancillary equipment and resources teachers need to supplement existing stations or to explore wireless technology topics with students.

The ETP is possible only because of the generous donations of individuals and Amateur Radio clubs who share in the passion of Amateur Radio and understand its benefit for hands-on learning with STEM (science, technology, engineering, and mathematics) subjects. Ham Radio Outlet and Yaesu continued their generous support by providing equipment for the ETP at significant discount.

By the end of 2014, we had provided resources in the form of curriculum materials, professional development and/or grants for radio station equipment, and other resources to more than 650 schools/teachers through this outreach program.

### Amateur Radio on the International Space Station (ARISS)

The international program team of the three US partners NASA, AMSAT (Radio Amateur Satellite Corporation), and ARRL, along with the ARISS program international Amateur Radio satellite volunteer organizations and space agency partners, successfully executed 20 US and 45 international school contacts with astronauts on the International Space Station (ISS) during 2014. 70% of the US contacts were supported locally as direct contacts; 30% were executed via telebridge, supported by Amateur Radio stations operated by ARISS international volunteers around the globe.

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Schools and educational organizations in 17 states across the US were hosts to these personal interviews with crew on the ISS. Internationally, the program supported contacts with students in 16 other countries.

The ARISS program partnership continued to face challenges during 2014 because of further federal cutbacks of NASA's education budget. During 2014, the NASA Teaching from Space office at NASA's Johnson Space Center that provided support for the ARISS program, was dissolved. This placed an additional burden on the other US partners — ARRL and AMSAT — requiring that they pick up all of the education coordination responsibilities formerly managed by that office. In October, the US partners reorganized from this setback to open a proposal window to receive proposals from US schools and educational organizations wanting to host a contact with the ISS in 2015.

With their interest in Amateur Radio as a backup communications system on the ISS, the NASA Satellite Communications and Navigation Program (SCaN) stepped up to provide continued funding for operational support for the ARISS program into 2015. As we enter 2015, identifying funding partners to provide for the replacement of station equipment in the ISS Columbus module as well as funding for continuing operations is a top priority.

On a more positive note, ARISS European partners, led by the AMSAT Italia and the European Space Agency (ESA) successfully commissioned the HamTV system in the ISS Columbus module in early 2014. Once management of the system and operation procedures are in place European Amateur Radio ground stations will be able to provide video as well as audio for scheduled school contacts utilizing a system of linked ground stations receiving the digital video as the ISS passes overhead.

## Continuing Education Program — Public Service and Emergency Communications Training

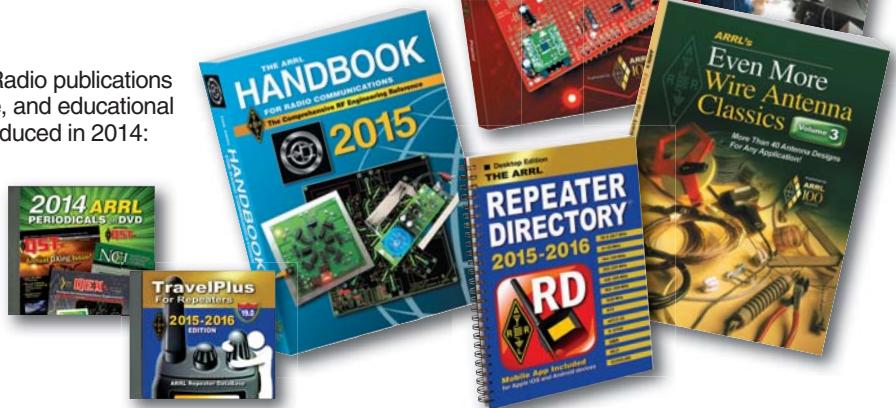
Our *Introduction to Emergency Communications* online course is the foundation course of ARRL's training program for Amateur Radio volunteers who want to assist their communities in times when the communications infrastructure fails.

During 2014, 207 students enrolled in 12 online sessions of the *Introduction to Emergency Communication* (EC-001) course. Nineteen volunteer mentors were active supporting the course during the year. Field instruction of the course and the ability to offer field exams for a course completion certificate is an alternative deployment of the training designed to address the varying needs and access capabilities of hams throughout the country. Twenty-one field exam sessions for the EC-001 course were offered and 120 course completion certificates were issued. Thirteen field instruction classes were conducted. Twenty students successfully completed the final assessment for the Public Service and Emergency Communications Management for Radio Amateurs (EC-016) course, indicating their intention to take on leadership roles in the ARES field organization.

## ARRL Publications

ARRL provides the highest quality Amateur Radio publications — journals, license manuals, books, software, and educational courses. The following publications were introduced in 2014:

- **2014 ARRL Periodicals DVD-ROM**
- **2014-2015 ARRL Repeater Directory**
- **TravelPlus CD-ROM, Version 18.0**
- **Your First Amateur Radio HF Station**
- **Arduino for Ham Radio**
- **Even More Wire Antenna Classics, Vol 3**
- **The ARRL Handbook 2015**



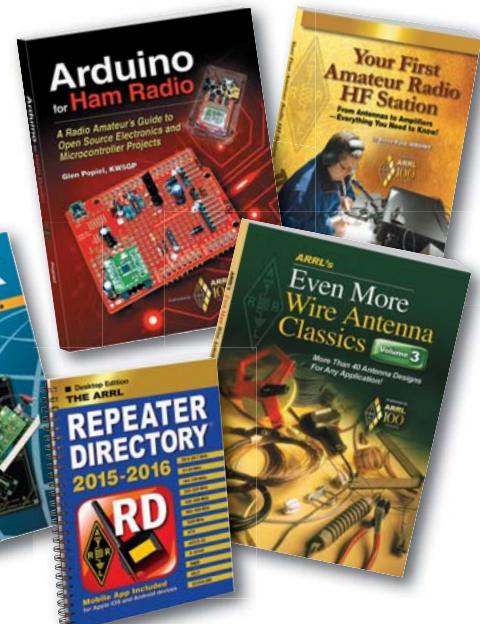
In addition, the ARRL published updated editions of current titles in 2014, including *The Ham Radio License Manual* and the *Tech Q&A*. To support these books, as well as other license training materials, we established the new Exam Review website where amateurs can take practice exams while using the printed books as references.



Paul, N0AH (seated), demonstrated Amateur Radio to about 80 students and helped several students get on the air as W1AW/0. [Ron Coffee, KD0TRY, photo]



Mike Cohen, AD4MC, supervises seventh- and eighth-grade students at Mill Springs Academy in Milton, Georgia, as they work a pileup.





2014

American Radio Relay League



## Periodicals

In addition to a wide variety of books, CDs, and software, ARRL publishes three periodicals, *QST*, *QEX*, and *NCJ*.

**QST** — In 2014 we concentrated on content to support the ARRL Centennial, while still making improvements to the magazine as a whole. We published several theme issues that were highly popular with readers: DIY (Do It Yourself) in January, Antennas in March, our Centennial Convention issue in July, Public Service in September, and DXing in October.

Readership of the digital edition of *QST* magazine continued to grow in 2014. With the introduction of our app for Android devices, the “mobile” audience has increased to the point where it rivals those who read on desktop and laptop computers. We continue to make use of multimedia opportunities in each issue, with video and audio clips. Members have enthusiastically embraced the digital edition of *QST* with the regular-reading audience now exceeding 20,000. Several thousand have opted to discontinue delivery of the print edition.

**QEX** — The Forum for Communications Experimenters, *QEX* is published 6 times a year. Edited by Larry Wolfgang, WR1B, *QEX* continues to provide the premier technical content Amateur Radio operators worldwide have come to expect. Circulation remained stable throughout 2014, with approximately 6500 subscribers.

**NCJ** — *NCJ*, the National Contest Journal, is a bimonthly publication designed for the specific interests of the contest community. While the subscriber base is relatively small at 1800 individuals, this figure has been stable over several years, reflecting the loyalty of the readership.

## ARRL News: Keeping Members Informed

### *The ARRL Letter*

Sent at no charge via e-mail 50 times each year to the more than 90,000 ARRL members who elect to receive it, *The ARRL Letter* is the standard-bearer for current Amateur Radio news. The Letter offers a thorough and reliably accurate overview of the latest news of importance to ARRL members in particular and to the Amateur Radio community in general. Other Amateur Radio news outlets often cite *The ARRL Letter* in their own reports.

### Breaking, Current News on the ARRL Website

The ARRL Web home page features a “news crawl”—continually updated news of interest to the Amateur Radio community. The site attracts approximately 375,000 unique visitors each month; “page views” are around 160,000 per day. Ranked by page views, Amateur Radio news is the most-visited area.

### Amateur Radio News in *QST*

Each month, *QST*, the ARRL’s flagship publication and membership journal, features a variety of news. The monthly “Happenings” column includes an overall news summary, while other departments, including “Public Service,” “Amateur Radio World,” “How’s DX?” “Eclectic Technology,” “The World Above 50 MHz,” and “Exam Info,” focus on special-interest news. Feature articles report on news of major events, such as the semiannual meetings of the ARRL Board of Directors.



### The ARRL Audio News Webcast/Podcast

The weekly ARRL Audio News provides a digest of top news stories each week in radio newscast format for airing on repeaters and nets. This service is available from the ARRL Web site as well as Apple iTunes. Almost 250 repeaters and other Amateur Radio outlets in the US and around the globe reported that they were airing our ARRL Audio News in full or in part.

### ARRL/W1AW Bulletins

News staff also prepares a full menu of general and special interest bulletins, including regular information about DX, satellites and Keplerian elements, propagation, and news bulletins. ARRL/W1AW bulletins are transmitted over the

air every weekday (except holidays) from the Hiram Percy Maxim Memorial Station W1AW, and are distributed via e-mail to ARRL members who subscribe.



Teachers at the July Teachers Institute in Rocklin, California witness a satellite contact demonstration by instructor Tommy Gober, N5DUX. [Photo courtesy of Gordon Romney, AG2G]

# Annual Report

Devoted Entirely to Amateur Radio

## Technology

Amateur Radio has always been about incorporating the latest technology, from the development of regeneration in the 1910s to current applications of digital communications modes and software-defined transceivers. Many people become radio amateurs specifically to experiment with electronics and radio technology.

### The ARRL Laboratory

The Lab was open on all days of the Centennial celebration, to show off the Lab to the large number of visitors that came to ARRL Headquarters. During the Centennial Convention in Hartford, Laboratory Manager Ed Hare, W1RFI, and RFI Engineer Mike Gruber, W1MG, each did a segment for the Thursday RFI seminar, along with volunteer Mike Martin, K3RFI. Mike Gruber and Ed also did 1-hour technical presentations on Friday or Saturday. Hare and volunteer Bart Jahnke, W9JJ, manned the ARRL flea-market table.

This was the year for the Lab to obtain new test equipment. The Lab purchased a new Agilent model number N9020A spectrum analyzer, a new Rohde and Schwarz FSUP phase-noise measurement set, both used for "Product Review" testing, and a used Rohde and Schwarz spectrum analyzer that will be used to extend the Lab's ability to make EMC measurements. In the 4th quarter, ARRL received a donation from Tektronix of a modem MDL4041B-3 mixed-domain oscilloscope. These instruments, along with an update to the Lab's National Instruments Lab Windows CVI software, have significantly upgraded the Lab's test-equipment suite, at a significant savings over the budgeted capital expense for the year.

Ed Hare continues to serve on the IEEE EMC Society Standards Development and Education Committee, the EMC Society Board of Directors and the ANSI asc C63 EMC Committee, not only keeping seats for Amateur Radio at important industry tables, but holding positions of leadership, demonstrating to industry and regulators that Amateur Radio continues to make positive contributions to modern technology.

Hare reports that in 2014, the ANSI C63.10 standard on the measurement of unlicensed intentional emitters was adopted by reference into the FCC rules. This standard includes scientifically reasonable methods for estimating and measuring decay with distance of large radiators, something that ARRL sought in the FCC rules covering Broadband over Power Line (BPL), a method of delivering Internet service over utility power lines, which has been shown to be a potential source of interference in portions of the Amateur Radio frequency allocations. Although these methods won't change the rules on BPL, they ensure that future technologies that may threaten Amateur Radio will be measured correctly.

### Technical Information Service

Under the leadership of the Laboratory's Senior Engineer Zack Lau, W1VT, the Lab staff provided, through their TIS (Technical Information Services), support for more than 4000 member questions in 2014. The use of the ARRL technology forums has been slow but steady, replacing some part of the individual service provided one-on-one to members. See [www.arrl.org/forum](http://www.arrl.org/forum).

### Testing

Senior Test Engineer Bob Allison, WB1GCM, tested 28 items for Product Review, including three high end HF/6m transceivers. On many occasions, the Lab's test results lead to improvements of the products, with thanks from the manufacturers.

### In the Field

The Laboratory's Senior Test Engineer Bob Allison, WB1GCM, and Mike Gruber, W1MG, tested convention attendees' 2 meter and 70 centimeter handheld radios at the Dayton Hamvention®. This public outreach was very well received by Hamvention attendees. More than 300 handhelds were tested for FCC emission compliance. Makes and models of handhelds that failed compliance were noted for not meeting advertising acceptance.



ARRL Senior Test Engineer Bob Allison, WB1GCM, supervises the testing of Amateur Radio handheld transceivers for FCC Part 97 compliance at major Amateur Radio conventions. This service is very popular among attendees.



The ARRL Lab continues to document cases of RFI complaints from members. The Lab also assists ARRL members who have technical questions regarding Amateur Radio and Amateur Radio related products. The Lab maintains seats on various industry committees and does technical studies to support ARRL's filings with the FCC and other regulatory agencies.



The ARRL Lab has a team of dedicated volunteers who perform many tasks; from technical research to clerical work. Here, Lab Volunteer Pete Turbide, W1PT, works on the restoration of a receiver that was recently donated to the ARRL Historical Collection that the Lab maintains.



Reid Wiseman, KF5LKT, talks to Earthbound Amateurs while at the controls of NA1SS onboard the International Space Station for Field Day 2014. [Photo courtesy of Reid Wiseman, KF5LKT]

## Radio Frequency Interference (RFI)

The Lab also worked on a number of RFI issues, handling about 300 RFI cases for members. These continue to include interference from grow lights. The Lab also received reports of interference to arc-fault circuit interrupters (AFCIs). Mike and W1AW station Manager Joe Garcia, NJ1Q, built a fixture to test AFCIs made by a number of manufacturers. They found one model of one manufacturer, the Eaton Corporation, that tripped when as little as 10 W of transmitter power was used nearby. Eaton was exceptionally responsive, sending engineers to ARRL to work with Mike on identifying the nature of the problem. Within several weeks, Eaton had redesigned products available to use in response to reports of interference.

## Membership

The members of ARRL remain the lifeblood of everything ARRL does. Without the support of our members, ARRL's work in Public Service, Advocacy, Technology, and Education simply would not be possible. Our commitment to serving our members remains the top priority for ARRL.

### MEMBERSHIP ACQUISITION SOURCES IN 2014 vs 2013

YEAR	2014	2013
Direct Mail – 120 days	22%	19%
E-mailings	8%	11%
Website	19%	18%
Field-based recruitment	4%	4%
Renewal notices	12%	12%
New Ham mailings	12%	12%
All other sources	22%	23%
Membership total	100%	100%

ARRL offers numerous benefits, services, and programs for the enjoyment and enrichment of our members. ARRL membership climbed for the eighth consecutive year, achieving the highest total in 17 years. There were 165,663 members by the end of December; gains of 3449 members over 2013 and exceeding the year-end goal by 1287 members. Membership grew 2.13% (1.21% in 2013, 1.56% in 2012; 0.86% in 2011). The largest sources of new member acquisition came from segmenting our large databases and developing effective, targeted membership campaigns conducted by mail and e-mail. Centennial-themed pieces lifted direct mail

response rates, but acquisition though e-mail decreased from 2013 to 2014. The average on-time renewal rate for 2014 was 72.5% (same as 2013).

## HQ Volunteers

ARRL Tour Guides and volunteers continue to play a key role in the association. Volunteers contributed to the success of ARRL's National Centennial Convention this past July. More than 1450 tours were given to visitors this year (including those here for a tour as part of the Centennial event).

Tour guides regularly take pictures of visitors, which are posted to ARRL's Facebook page. This effort has helped boost the organization's Facebook presence and has contributed to a richer relationship with our members.

## Affinity Benefits

Efforts to promote and service our suite of Affinity Membership Benefits continued throughout 2014; the ARRL Equipment and Club Insurance Programs, ARRL Visa credit card, and group discounted auto and home insurance. Toward the end of the year, ARRL prepared to change its member insurance affiliate benefit program (group rate auto and home insurance) from MetLife to Liberty Mutual Insurance — effective in February 2015. A summary of these member-discount programs can be found at [www.arrl.org/member-discounts](http://www.arrl.org/member-discounts).



Barry Strickland, AB4QL, operates from one of his favorite locations on Lookout Mountain in northeastern Alabama.

*Efforts to promote and service our suite of Affinity Membership Benefits continued throughout 2014.*

# Annual Report

Devoted Entirely to Amateur Radio

## Centennial Convention

The ARRL National Centennial Convention was held July 17 – July 19 at the Connecticut Convention Center in Hartford, Connecticut. It was a very successful, once-in-a-lifetime ARRL event. The total attendance (unique visitors) was 3294. Over 700 people attended Thursday's all-day training tracks and the Thursday luncheon speaker was ARRL First Vice President, Rick Roderick, K5UR. Attendance at Friday night's banquet exceeded 900 people. The keynote speaker was Federal Emergency Management Agency Administrator Craig Fugate, KK4INZ. Saturday afternoon's speaker was Nobel Laureate physicist Joe Taylor, K1JT. President Kay Craigie, N3KN, signed a new Memorandum of Agreement with FEMA Administrator Fugate. The largest Wouff-Hong ceremony ever was held at the Hartford Downtown Marriott.

There were over 115 exhibitors of Amateur Radio equipment and services. Buses transported about 1000 people from the Convention Center to ARRL Headquarters in Newington. Headquarters visitors viewed new museum-quality displays and presentations for ARRL Publications, Development, Education, The ARRL Lab, and ARRL Awards. The administration building was dressed up with new exterior panels emphasizing ARRL's Five Pillars. W1AW (W100AW) expanded its operating hours during the convention week, and hundreds of operators enjoyed operating from the station.

Additionally, ARRL participated in six designated regional centennial conventions, cooperating with host organizations and spreading the centennial celebration around the country. Each of these regional events was very successful — and included special ARRL presentations, activities, and membership networking opportunities.

**February 7 – 9, 2014** Orlando Hamcation — Orlando, Florida

**June 6 – 8, 2014** SEA-PAC — Seaside, Oregon

**August 16 – 17, 2014** Huntsville Hamfest — Huntsville, Alabama

**May 16 – 18, 2014**

**June 13 – 14, 2014**

**October 10 – 12, 2014**

Dayton Hamvention® — Dayton, Ohio

Ham-Com — Plano, Texas

Pacificon — Santa Clara, California

## Digital Content

### Digital Edition of *QST*

The iOS/Apple application for viewing digital *QST* was updated in July 2014. This update included faster loading speed, crisper pages, a catalog view, and faster and easier login capabilities for members.

The desktop browser is still the number one way members are viewing the digital edition of *QST*, with around an average of 9400 users a month. The iOS/Apple application increasingly follows the desktop browser in usage, with an average of 6800 users a month. Since the Android application debuted the previous year in 2013, it steadily increased in usage and averaged 2030 users a month in 2014.

February 2014 was the highest-viewed issue of *QST*, with nearly 26,000 unique readers. This, most likely, is due to the issue featuring the rare home movie of Hiram Percy Maxim in the 1920s. The lowest -viewed issue was November, with just above 13,000 unique readers.

### ARRL.org

The website received 17,857,127 unique page views this year, an almost 1% increase from 2013, while total users of the site increased 8% this year.

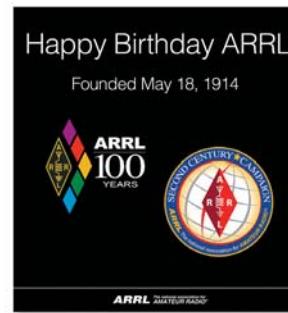
#### Top unique page views on ARRL.org for 2014:

ARRL landing page .....	2.7 million	Logbook of The World .....	681,000
User log-in .....	412,000	FCC Search page.....	359,000
Licensing/Education .....	282,000		

Because this year was our Centennial year at ARRL, we created the Centennial QSO Party page. Throughout the year, it tallied up to almost 227,000 unique page views.

This year proved big for mobile and tablet users as the increase in usage was significant. While the desktop users decreased by 4%, there were nearly 400,000 new users who view the website through mobile devices and just above 258,000 new users viewing the website through tablets. All together, there was an increase in new users to the site by 4% as well.

Internet Explorer remains the browser of choice among our members, however Chrome has considerably moved up with a whopping 2,115,767 users, closely following the 2,194,102 users viewing through Internet Explorer; only a 1% difference!



The June 2014 digital edition front and back cover of *QST*, with a callout to our upcoming Centennial celebration in July.



President Craigie greets some visitors to the ARRL booth at Orlando HamCation.



The Skyview Radio Society of New Kensington, Pennsylvania dedicates the fourth Tuesday of every month to "Elmer Night." That's when veteran amateurs share their experiences with younger members in the form of a presentation or an activity.



George Pease, KC0GP, had the privilege of operating W1AW/0 from Missouri, with his 2-year-old grandson, a bundle of energy and excitement, who "helped" log the contacts.  
[Bruce Bielby, KD0VMM, photo]

*ARRL VEC manages the License Class Certificate Program (formerly known as the Amateur Extra Class Certificate Program), which acknowledges the success of licensed operators.*

## ARRL Volunteer Examiner Coordinator Program (VEC)

The Volunteer Examiner Coordinator (VEC) system was created to oversee licensing activities and ensure the ability of the Amateur Service to continue to grow and prosper. The ARRL VEC program is one of 14 in the US and has maintained a strong and visible presence in the Amateur Radio community. The ARRL VEC celebrated its 30th anniversary on July 21, 2014. We have over 30 years of service, operating as a knowledgeable information source for a wide range of licensing issues.



## Amateur Radio Exams, Exam Oversight, and Licensing Administrative Services

ARRL VEC is by far the largest of the Volunteer Examiner Coordinator (VEC) groups in the country, coordinating approximately 70% of all Amateur Radio exams. For the first time in the program's history, we have conducted more than 7000 Amateur Radio exam sessions in a year, an important milestone for the ARRL VEC. A total of 7216 ARRL sponsored exam sessions were administered in 2014, compared to 6823 in 2013. 39,184 exam applicants were served in 2013, compared to 34,692 in 2013. Exam elements administered increased 14%, from 45,248 last year to 51,647 this year.

ARRL VEC continues to participate as a member of the National Conference of VECs Question Pool Committee. The five-member committee prepared a revised Technician class question pool (Element 2) for examination use by the amateur community. The new pool became effective on July 1, 2014, and it will remain valid until June 30, 2018.

As one of three FCC-authorized Club Station Call Sign Administrators, ARRL VEC processed and transmitted over 1100 club licenses for the FCC in 2014. ARRL is also one of five FCC-authorized 1x1 Special Event Call Sign Coordinators and has processed nearly 90% of the 11,184 Special Events authorized and documented in the 1x1 database since the program's inception in September 1997.

We have issued or renewed nearly 1600 International Amateur Radio Permits (IARPs) since the program was established in June 1999. IARPs permit instant operating authority by US amateurs when traveling to participating Central and South American countries.

ARRL VEC also processed and transmitted electronically to the FCC over 8500 address changes and license renewals for ARRL Members in 2014. This service to members continues to be a strong draw.

The ARRL VEC Volunteer Examiner Honor Roll recognizes the top five ARRL VEs per division according to the total number of exam sessions they have participated in since their accreditation. The VE Honor Roll appears quarterly, in the March, June, September, and December issues of QST. Participating as a Volunteer Examiner (VE) is a fun and rewarding activity.

In 2014, 1974 new Volunteer Examiners (VEs) have been added to our program, bringing the total number of ARRL Accredited VEs to 37,364. We've seen an increase in the number of applications from General and Amateur Extra class radio amateurs who want to give back to their community by serving as ARRL examiners and instructors.

ARRL VEC manages the License Class Certificate Program (formerly known as the Amateur Extra Class Certificate Program), which acknowledges the success of licensed operators.

### NEW FCC LICENSES

#### Totals Issued Per Year: 2011 Through 2014

YEAR	2011	2012	2013	2014
TOTALS	24,072	27,082	28,886	33,241

### UPGRADED FCC LICENSES

#### Totals Issued Per Year: 2011 Through 2014

YEAR	2011	2012	2013	2014
TOTALS	10,337	10,283	9,325	10,556

# Annual Report

Devoted Entirely to Amateur Radio

## Amateur Radio Licenses: The Upward Trend Continues

The total number of US amateurs in the FCC database continues to grow each year. As of December 31, 2014, the amount of licensees reached an all-time high of 726,725. This is an all-time high for Technician, General, and Amateur Extra class licensees as well, peaking at the end of 2014 at 357,236, 169,524, and 136,405, respectively.

The two charts on page 16 illustrate new and upgraded FCC license activity over the past 4 years. Results through the end of 2014 demonstrate that successful upgrade applications have increased by a remarkable 13%. One healthy trend is the number of new licensees which spiked to over 33,000, setting a record in recent years.

## Radiosport

Radiosport refers to the competitive side of Amateur Radio — on-air competitions and achievement awards. Most competitions occur over a weekend, while the achievement awards document a lifetime's worth of on-air accomplishments. Since 1935, the ARRL DX Century Club awards program has been one of the standard-bearers for measuring an amateur's abilities. On-air contests promote operating skills and technical expertise and also foster international goodwill. Contesting and operating awards, along with the very successful Logbook of The World database, are some of the most used and appreciated benefits we offer our members.

## Awards

The Awards branch's focus for 2014 was the Centennial QSO Party, which included an award for working W1AW in each state and US territory, and an award for accumulating points in the Centennial QSO Points Challenge. We expect to process thousands of these awards in 2015. In addition, we will see an increase in regular WAS awards thanks to the high level of on-air activity.

Because of all the W1AW/x activity, we anticipate sending out thousands of QSL cards via the bureau system and directly in the mail.

Some of the highlights of the year-long Centennial on-air activity were:

- Nearly 3000 people operated W1AW portable
- 7800 calls worked all 50 states with the W1AW portables
- 3.44 million QSOs were made by the W1AW portable operations
- 16,000 stations reached 1000 points in the QSO Points Challenge (the minimum to qualify for an award)
- 2500 stations reached 15,000 points (the Top Level award)



Anne Crump, KC1ANA, who placed 1st last year in the W1 call area, will return in 2015 for her final year as a Rookie. [Anne Crump, KC1ANA photo]

*The Awards branch's focus for 2014 was the Centennial QSO Party, which included an award for working W1AW in each state and US territory, and an award for accumulating points in the Centennial QSO Points Challenge.*

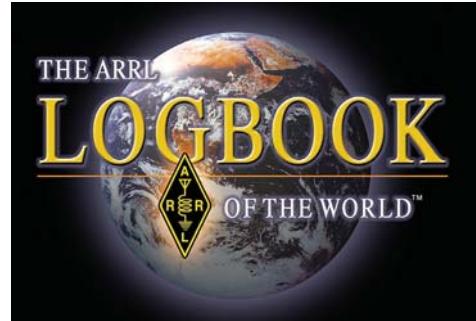
AWARD/PROGRAM	2014	2013
<b>DXCC</b>		
Credits Received	1,353,754	1,347,368
Credits Processed	1,387,758	1,391,848
Applications Received	15,716	14,793
Applications Processed	15,981	15,058
<b>Logbook of The World</b>		
Total QSO Records	650,922,928	548,927,464
Active Certificates	110,294	93,733
<b>WAS</b>		
WAS Certificates	1,525	671
WAS Triple Play	427	182
<b>CQ WPX Award</b>		
Applications	623	692
LoTW Credits	217,260	259,181
<b>VUCC</b>		
VUCC Applications	406	502
Grids Credited	26,580	46,375
<b>Awards</b>		
Average Paper Awards Processing Time	3 weeks	2 weeks
Average LoTW Awards Processing Time	2 days	2 days
<b>Outgoing QSL Bureau</b>		
Cards Received	780,900	795,500
Card Shipped	729,050	781,000



Monica Fredrickson, KG7GWD, operating W1AW/7 Washington on a night shift for 20 meter RTTY. [Curt Black, WR5J, photo]

Logbook of The World now has over 77,000 users with a database of over 681 million QSOs. LoTW's popularity is unprecedented, as many hams now use LoTW as the sole means of submitting their applications for DXCC, WAS, and VUCC. 2014 also saw both Online DXCC submissions and users double. Nearly 3000 new users signed up for the Online DXCC program in 2014 alone.

Due to a significant amount of applicants utilizing the Online DXCC program and Logbook of The World, data entry staffers have noticed a decrease in the average size of traditional paper applications, and as a result, said applications are processed more rapidly.



Matt Wilhelm, W1MSW, joined the ARRL staff as Contest Branch Manager in 2014.

## Contest Branch

2014 was a year of changes for the Contest Branch. The Contest Branch Manager position was vacant from January to June with Sean Kutzko, KX9X; Dan Henderson, N1ND, and Ward Silver, N0AX, filling in with help from other staff and volunteers. In July, Matt Wilhelm, W1MSW, was hired as the new Contest Branch Manager. During the second half of the year, the focus of the Contest Branch was to train Matt on all aspects of the Radiosport program at ARRL, while continuing to meet contest and publication deadlines and to eliminate the backlog of awards processing created by the job vacancy earlier in the year.

Participation was on the rise in nearly all ARRL contests in 2014. The ARRL International DX, 10 Meter, and IARU HF Championship contests saw the highest number of logs submitted on record. Towards the end of the year, there was a large increase in ARRL Affiliated Clubs requesting to join the Affiliated Club Competition.

According to many of the club contacts, this was directly related to their club members' participation in the Centennial QSO Party and their desire to find more on-air activities.

## Clubs

The number of ARRL Affiliated clubs is 2286 after adjusting for inactive clubs. In 2014, we supported 71 sanctioned conventions and 407 sanctioned hamfests.

The ARRL Graphics Department designed new logos for Affiliated Clubs and Special Service Clubs. These are being used on a variety of club-related items, including club banners that were introduced at Dayton Hamvention®.

## W1AW

W1AW is the flagship Amateur Radio station of the ARRL. It remains the highlight of the ARRL tour. Visitors are encouraged to operate W1AW while on their visit.

During the ARRL Centennial year, W1AW was operating using special call W100AW. In 2014, the many W1AW visitors made over 69,000 QSOs with call sign W100AW.

The number of visitors to W1AW in 2014 nearly doubled, thanks to the ARRL's Centennial and special call sign.

In addition, W100AW was portable from six ARRL Conventions across the US.

W100AW was used during the 2014 IARU HF Championship as well as the New England QSO Party and ARRL Sweepstakes.

W1AW continues to serve our members with its daily Morse code practices, Morse code, digital, and voice bulletins 40 hours per week.

Members of the Navarre CERT ARC prepare to launch a tethered weather balloon that supported a long-wire antenna. While providing an excellent method of antenna support, the balloon also served to bring curious visitors to the site. [Steve Van Den Akker, W4SJV, photo]

# Annual Report

Devoted Entirely to Amateur Radio



*After 13 years of fundraising for the League, Chief Development Officer Mary Hobart, K1MMH, retired on July 31. Mary came to ARRL in October of 2001, charged with the mission of creating a rigorous fundraising program. Over the years, she implemented the Diamond Club, the Maxim Society, the Legacy Circle, the Ham Aid Fund, and more to encourage and acknowledge member support. Mary envisioned the Second Century Campaign, a significant undertaking to build the ARRL Endowment, to coincide with the ARRL's Centennial.*

## Development

### *Supporting Amateur Radio and ARRL*

#### Overview

The Development Office is responsible for raising funds for numerous purposes including advocacy, education, research, emergency communications, and historical preservation. ARRL Development Manager Lauren Clarke, KB1YDD, oversaw day-to-day operations while Chief Development Officer Mary Hobart, K1MMH, focused on the Second Century Campaign.

After 13 years of fundraising for the League, Chief Development Officer Mary Hobart, K1MMH, retired on July 31. Mary came to ARRL in October of 2001, charged with the mission of creating a rigorous fundraising program. Over the years, she implemented the Diamond Club, the Maxim Society, the Legacy Circle, the Ham Aid Fund, and more to encourage and acknowledge member support. Mary envisioned the Second Century Campaign, a significant undertaking to build the ARRL Endowment, to coincide with the ARRL's Centennial.

#### The Second Century Campaign

The Second Century Campaign (SCC) concluded in 2014, garnering \$7,559,494.66 in gifts and commitments. While this total fell short of the \$10 million goal set by the Board of Directors, the campaign was considered an overall success, having increased the endowment with \$2,364,600.31 in cash and securities, and the promise of additional funds through pledges and planned gifts.



A reception on the lawn of ARRL Headquarters was held on July 17, 2014, preceding the National Centennial Convention, to celebrate the efforts of the SCC Committee and the generosity of ARRL members. The highlight of the evening was the unveiling of the Centennial Terrace at the entrance of Headquarters. Granite monuments and benches acknowledge the Committee and major donors to the campaign. The patio also features a bronze medallion with the campaign logo surrounded by engraved bricks with special messages from campaign supporters.



#### The ARRL Diamond Club

The Diamond Club is an annual giving program allowing ARRL members to renew their membership and make an unrestricted contribution to support ARRL. Participation in the Diamond Club also offers special benefits and recognition, including the opportunity to place an engraved brick in the Diamond Terrace at ARRL Headquarters. At the end of 2014, there were 1671 members in the Diamond Club, generating \$302,777 in revenue.



Ron Tingle, K4ML, ARRL Marketing Manager Bob Inderbitzen, NQ1R, Matthias Zapatka, AJ4BB, and Tim Duffy, K3LR, at the Annual ARRL Donor Recognition reception in Dayton, Ohio.



American Radio Relay League

2014



The Diamond Terrace continues to be one of the Diamond Club's most popular benefits. This beautiful patio, located at the entrance to Headquarters, provides permanent recognition for Diamond Club members at the Brass level and above and other friends of ARRL. 311 bricks were placed in 2014, bringing the total number of bricks to 1833. Visitors to Headquarters are always eager to locate their bricks and peruse the messages on others, and this was especially the case during the Centennial weekend.

### ARRL Maxim Society

ARRL's Maxim Society recognizes donors whose lifetime contributions to ARRL have reached \$10,000. In 2014, the Maxim Society welcomed 32 new members, bringing the total membership in the Maxim Society to 172.



*Every year, the Development Office recognizes ARRL individuals who have reached the 40-, 50-, 60-, 70- and 80-year anniversary of their ARRL membership. In 2014, more than 558 members were honored, including 20 hams who achieved 70 years of ARRL membership.*

### The Legacy Circle

The Legacy Circle acknowledges members who have provided for ARRL in their estate plans. Estate commitments were an important component of the Second Century Campaign.

### Spectrum Defense Fund

The Spectrum Defense Fund provides critical resources to support the efforts of ARRL staff and volunteers working to keep Amateur Radio frequencies intact and available for operators. In 2014, member contributions totaled \$294,414 toward this fund, or 84% of the goal.

### Education & Technology Fund

This important fund provides the financial resources for the Education & Technology Program, including the Teachers Institute, a professional development program for teachers. The Education & Technology Program also provides grants to schools to purchase radio equipment, related software, and other resources. This program is funded entirely through donor contributions, and a fall appeal garnered \$58,303. ARRL is grateful to also have annual support of this program from several generous sponsors, including individuals and the Dayton Amateur Radio Association, totaling \$68,151 for this year. We are also fortunate to have additional support from YAESU, Ham Radio Outlet and Parallax, Inc. In 2014, the Education & Technology Fund supported three Teachers Institutes with 34 participants, two Station grants, and three Progress grants.

### Honoring ARRL's Long-Term Members

Every year, the Development Office recognizes ARRL individuals who have reached the 40-, 50-, 60-, 70- and 80-year anniversary of their ARRL membership. In 2014, more than 558 members were honored, including 20 hams who achieved 70 years of ARRL membership. Members are sent a congratulatory letter signed by ARRL CEO David Sumner, a pin, and a certificate. Members may choose to purchase a specially designed plaque featuring a QST cover from their initial year of membership.

### Other Development Efforts

ARRL was approved for participation in the 2014 Combined Federal Campaign (CFC). The CFC is a payroll giving program for federal employees that runs concurrently with the United Way Community Campaign every fall. In 2014, ARRL received \$21,378.45 in contributions through this campaign.



Each year donors to the Spectrum Defense Fund can choose to receive a collectable mug and pin.



# Annual Report

Devoted Entirely to Amateur Radio

## ARRL Donor Reception

The Annual Donor Recognition Reception is held annually on the Thursday evening before Dayton Hamvention at the Meadowbrook Country Club in Clayton, Ohio. This popular event gives ARRL staff the opportunity to thank ARRL's leadership donors, Maxim Society members, Legacy Circle members, and ARRL Board members for their support over the past year. The 2014 reception, held on May 15, featured guest speaker Matt Severin, N8MS, a professional educator and an ARRL Education & Technology Program Instructor. Matt spoke passionately about using Amateur Radio and wireless technology in the classroom impacts young people and their understanding of technology in today's world. Acknowledging new Maxim Society members has become a tradition at this event, together with a warm welcome from the ARRL Board President.



Past ARRL President, Joel Harrison, W5ZN, and his wife Kim enjoy the festivities of the SCC Centennial Terrace unveiling with ARRL First Vice President, Rick Roderick, K5UR, and his wife Holly.



Campaign Chair David W. Brandenburg, K5RQ, right, and fellow committee member, Mike Valentine, W8MM, left, congratulate each other on the successful completion of the Second Century Campaign. The Valentine Challenge Fund, which matched donations to the Campaign, provided a tremendous boost to encourage members to contribute to the campaign.



The 2014 William R. Goldfarb Memorial Scholarship was awarded to Padraig Lysandrou, KC9UUS (second from left), seen here with his family: from left to right, sister Helena, KC9VIM; Padraig; mother Carolyn, KC9URR; sister Maria, and father Plato, KC9VIL. [Becky Schoenfeld, W1BXY, photo]



ARRL Chief Development Officer Mary Hobart, K1MMH, and Development Manager Lauren Clarke, KB1YDD, talk with guests Dr. Larry Price, W4RA, and Frank Butler, W4RH, at the Dayton Reception. Price served as ARRL President from 1984-1992 and as IARU President from 1999-May 2009. Butler is a former Director of the Southeastern Division and is an ARRL Honorary Vice President.



## 2014 ARRL Leadership Donors

ARRL gratefully acknowledges the following individuals and organizations for their generous support in 2014 with donations of \$1,000 or more. Donors listed below contributed to the ARRL Diamond Club, Spectrum Defense Fund, the Education & Technology Fund, and the W1AW Endowment.

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and Katie Allen, WY7YL  
  
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## Maxim Society Donors

The Maxim Society honors individuals and organizations whose lifetime contributions to ARRL exceed \$10,000. This distinctive program, named for ARRL founder Hiram Percy Maxim, was created in 2002.

Maxim Society members have supported ARRL through their contributions to the Second Century Campaign, the Diamond Club, and other funds, including Spectrum Defense and Education & Technology. Members' generosity allows ARRL to continue to offer outstanding programs and services, and to promote Amateur Radio across the country and around the world. As of December 31, 2014, ARRL proudly acknowledges 158 Maxim Society members.

**Millennium Class**  
**(Lifetime Giving of \$1,000,000 – \$4,999,999)**  
Michael Valentine, W8MM

**Century Class**  
**(Lifetime Giving of \$500,000 – \$999,999)**  
David Brandenburg, K5RQ

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## Legacy Circle Donors

The ARRL Legacy Circle recognizes individuals who have provided for ARRL in their wills or other estate plans. Gifts received in this capacity — unless otherwise designated — are invested in the ARRL Endowment Fund, helping to ensure the future of ARRL and the advancement of Amateur Radio.

Dave, K6XG, and Alicia, KG6LJ, Abell  
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## Second Century Campaign Donors

ARRL is proud to acknowledge individuals and organizations who have made gifts and commitments of \$1,000 or more to the ARRL Second Century Campaign through 2014. The ARRL and the Second Century Campaign Committee thank all donors to the campaign, those listed below and hundreds more, who generously contributed to this important undertaking. As of December 31, 2014, more than \$7 million was added to the ARRL Endowment, creating a solid financial foundation that will allow ARRL to continue to support and promote Amateur Radio for the next 100 years!

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Casey Coley, W9LP/VA3KC,  
and Lynette Lobo, KA9LYN

Chaz Cone, W4GKF  
Kenneth A. Cowin, KD2HHT  
Roland L. Craig, WX4X  
Kay Craigie, N3KN, and Carter Craigie, N3AO  
Peter D. Cross, W0SA  
Richard M. Crouch, N6RC  
John V. Croul, N6HVZ  
Everett W. Curry, W6ABM  
Dayton Amateur Radio Association, W8BI  
Alan R. Dewey, K0AD  
Robert J. Diersing, N5AHD  
Richard Dievendoff, K6KR  
Frank Donovan, W3LPL  
In Memory of Jake McClain Driver, KC5WXA  
Timothy J. Duffy, K3LR  
G. Kip Edwards, W6SZN  
Asaph C. V. Elston, WA9FIO  
Rusty Epps, W6OAT  
Martin S. Ewing, AA6E  
Frank Fallon, N2FF

Jim Fenstermaker, K9JF, and Shirley Fenstermaker, W7SAF	Ian H. Keith, N8IK	Dale M. Schwartz, K4ROZ
Richard C. Fenwick, K5RR	Joseph S. Kennedy, WQ6Q	SEDCO-W4DXCC
Gary J. Ferdinand, W2CS	Harold R. Kramer, WJ1B	Ed Seeger, K5EBS
Jack J. Ference, W3KX	Martti J. Laine, OH2BH	L. Dennis Shapiro, W1UF
William B. Filbert, W6NCH	Jeffery S. Lantz, KB6VBZ	Kamal Sirageldin, N3KS
James H. Fitzpatrick, WI9WI	Fred Laun, K3ZO	Don Smith, W8KGL
Marjorie and Harry Flasher, AC8G	Bill Lippert, ACØW	William B. Smith, W9VA
Andrew Forsyth, AF3I	Ron Lowrance, K4SX	James L. Spencer, WØSR
Bruce J. Frahm, KØBJ	Paul A. Lundy, WØPAL	Wayne Starnes, KU4V, and Catherine Starnes
James C. Garland, W8ZR	Donald F. Lynch Jr, MD W4ZYT	Walton Stinson, WØCP, and Mary Kay Stinson, KØZV
Robert M. Glorioso, W1IS	Bill Mader, K8TE	John C. Stockman, KC2THY
Steve Goggans, K7LZJ, and Lyndie Goggans, N7PKM	Allen J. Mann, AD6WT	Jim Stratigos, WB4HYY
Craig Goldman, K2LZQ	Gregg Marco, W6IZT and Jenna Marco, KJ4PQV	Roger A. Strauch, KD6UO
Marty Green, K2PLF	Ron, W7GTF, and MaryLou McCollum	H. Dale Strieter, W4QM
David Greenhut, N6HD	Wayne, N7NG, and Margaret Mills	David Sumner, K1ZZ, and Linda Churma Sumner, KA1ZD
Elliot Gross, KB2TZ	Kan Mizoguchi, JA1BK	John Swartz, WA9AQN
Erwin H. Grossman, KØIVO	Ray Mustafa, WA2NBG	Rick Tavan, N6XI
George A. Guerin, K8GG	Rick Niswander, K7GM	Robert W. Ter Maat, WA5SCP
Ted Hannah, K3CL	Larry A. Olson, W9INE	Craig Thompson, K9CT
Dick and Kathie Hanson, K5AND	Edward Parish, K1EP	Ron Tingle, K4ML
Joel Harrison, W5ZN, and Kim Harrison	Howard "Pat" Patterson, Jr, W5VY	Dave Topp, W5BXX
John W. Hays, N6JWH	Gene Pearson, AA8MI	Scott Tuthill, K7ZO
Duane Heise, AA6EE	Thomas W. Porter, W8KYZ	John Uhl, W5ZE
James C. Hessler, K8JH	Dr. Larry E. Price, W4RA	Michael Valentine, W8MM
Bill Hider, N3RR	Keith D. Pugh, W5IU	Steven West, W7SMW, and Donna Karam, KC5FTN
Mary M. Hobart, K1MMH	Edward C. Ratledge, K3CWF	Dan White, W5DNT
Elizabeth W. Hoffert and Fred W. Hoffert III, NA2U	Bob Ravenscroft, KE7JZ	Richard P. Whitton, WØDSW
Thomas J. Hutton, N3ZZ	Fred J. Regennitter, K4IU and Judy Regennitter, KØUH	Gregory P. Widin, KØGW
Robert J. Inderbitzen, NQ1R	Marc A. Ressler, K3NCO	John Williams, K8JW
George R. Isely, W9GIG	Rick Roderick, K5UR, and Holly Roderick	Marty Woll, N6VI and Clara Woll, KJ6CNO
W R (Dick) Jackson, Jr, W3EZ	Joseph Romanosky, K3KN	Owen Wormser, K3CB
James Jaeger, K8RQ	Jerry Rosalius, WB9Z, and Valerie Hotzfeld, NV9L	Scott Wright, KØMD
Frandy Johnson, N1FJ	Alfred C. Rousseau, W1FJ	The YASME Foundation
Glenn, WØGJ, and Vivien, KL7YL, Johnson	Frank J. Rura, WB3AVN	Matthias Zapatka, AJ4BB
William L. Johnson, W3FI	Greg Sarratt, W4CZK	Allen Zimmerman, K3WGR
Jeffrey W. Jolie, NM1Y	Randy Schaaf, W9ZR	Arthur Zygielbaum, KØAIZ
John C. Kanode, N4MM	Maurice L. Schietecatte, N4LZ	Anonymous: 9
Don Kasten, N4DK	Barney Scholl, K3LA	
Steven Katz, N8WL, and Constance Barsky, WD8ODC	C. Wayne Schuler, AI9Q	

# Annual Report

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Devoted Entirely to Amateur Radio



ARRL Headquarters  
Newington, Connecticut

*For the eighth year in a row, membership in the ARRL increased. This continues to be an impressive statistic and one of which the organization is rightfully proud.*

## Financial Summary

2014 represented a unique year for the ARRL and one of unparalleled activity. From the National Convention and Centennial activities, to the culmination of the Second Century Campaign and the regional Conventions, all of these represented more than would be considered "normal operations" for the organization. The resources to invest in all of these once-in-a-lifetime activities were available because of the years of careful planning and oversight of the ARRL's financial assets and operations. As a result, the League was able to invest some of its reserves to a) provide the membership with unique ways in which to interact with the ARRL and b) help build a base of reserves to support future generations of members and radio amateurs overall.

For the eighth year in a row, membership in the ARRL increased. This continues to be an impressive statistic and one of which the organization is rightfully proud. Not surprisingly, dues revenues increased by 2.2% to over \$5.9 million in 2014 as well.

In addition to the slowly improving economy in the country, Centennial activities helped boost total revenues in 2014 to just over \$15.5 million, an increase of almost 2.5% over the revenues produced in 2013. In addition to the increase in dues revenues noted earlier, increases in total investment income (including realized investment gains), contributions and other support, and program and exam fees all contributed to the overall improvement in total revenues. Publication sales and advertising revenues, however, were slightly less than the year before despite, in the case of Publication sales, a variety of new Centennial-related products. Program activity levels were particularly strong in 2014 which resulted in increased revenues from fee-based programs such as the ARRL VEC and DXCC.

Voluntary contributions continue to be a very important source of revenues for the ARRL. During 2014, the ARRL benefited from contributions to a variety of funds, including the Spectrum Defense Fund and the Education and Technology Fund. In addition to those, \$800,000 came from contributions to the Second Century Campaign providing resources for the future of the organization. Total contributions and pledges received during this 2-year campaign totaled over \$7 million.

With all the additional activities related to the 100th anniversary of the ARRL, spending had been projected to increase in 2014, with most of the increase being applied in the areas of programs and services. Expenditures for the year totaled \$15.8 million, up from \$14.8 million in the prior year. Of the total, the organization spent \$8.9 million on programs and services in 2014, up from \$8.0 million in 2013, primarily the result of the additional activities in the Centennial year, but also for increased investments in existing ARRL programs such as Logbook of The World.

Despite all the demands on League resources in 2014, with the additional contributions from the Second Century Campaign and an increase in the value of the ARRL's investment portfolio, we were able to increase the total value of the organization's net assets at the end of the year. Total net assets grew to \$15.2 million at the end of 2014, an increase of \$666,000 for the year.

In summary, the ARRL continues to be in good financial condition with adequate reserves for the future. There are challenges on the horizon as the cost of programs continues to rise, in many cases faster than the growth in revenues. But we are confident that the organization has the resources and commitment to meet these challenges as we begin its second century.



## ARRL National Centennial Convention

The ARRL's National Centennial Convention, held at the Connecticut Convention Center in Hartford on July 17 – 19, was highlighted by the signing of a Memorandum of Agreement between the Federal Emergency Management Agency (FEMA) and the ARRL; remarks by Nobel Laureate Joe Taylor, K1JT, who revealed what his crystal ball has foretold about the next century of ham radio; the official dedication of the ARRL Centennial Terrace at League Headquarters, and the enthusiasm of some 3300 conventioneers. The event also provided some impetus for legislation, the Amateur Radio Parity Act, that could change the landscape for those affected by private land-use restrictions on antennas.

ARRL President Kay Craigie, N3KN, called the convention "a truly memorable and meaningful celebration of the centennial, in the city where it all began 100 years ago."

Visitors arrived from all 50 US states and some 3 dozen countries, including official delegations from Japan, England, Germany, Australia, and elsewhere.

We offer a glimpse of the convention activities and personalities as they welcomed ARRL's next 100 years of serving and supporting Amateur Radio.



In one of the highlights of the Centennial Convention, FEMA Administrator Craig Fugate, KK4INZ, and ARRL President Kay Craigie, N3KN, sign a Memorandum of Agreement between FEMA and the ARRL. This was the culmination of many months of work.  
[Rick Lindquist, WW1ME, photo]

More than 100 vendors and exhibitors set up in the ARRL National Centennial Convention Exhibition Hall. [LJB Special Photography photo]



# Annual Report

Devoted Entirely to Amateur Radio

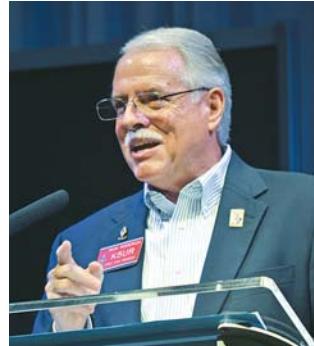
## ARRL National Centennial Convention



Outside the Convention Center, satellite enthusiast Patrick Stoddard, WD9EWK, successfully made contact with NASA Astronaut Reid Wiseman, KF5LKT, at NA1SS on board the International Space Station. [Rick Lindquist, WW1ME, photo]



All ARRL departments had a booth on the convention floor. [Bob Inderbitzen, NQ1R, photo]



An estimated 900 guests were on hand as ARRL First Vice President Rick Roderick, K5UR, addressed an opening-day lunch at the Connecticut Convention Center. [LJB Special Photography photo]



Visitors from all fifty states and some three dozen countries attended. [Bob Inderbitzen, NQ1R, photo]



DXCC Card Checkers Jim Zimmerman, N6KZ, and Ron Cade, W6ZQ, enjoy some off-duty time at the convention. [Bob Inderbitzen, NQ1R, photo]



Hundreds of convention attendees visited ARRL Headquarters and got the opportunity to operate W1AW. [Bob Inderbitzen, NQ1R, photo]



Over fifty forums and presentations on many facets of Amateur Radio informed and entertained attendees. [Bob Inderbitzen, NQ1R, photo]



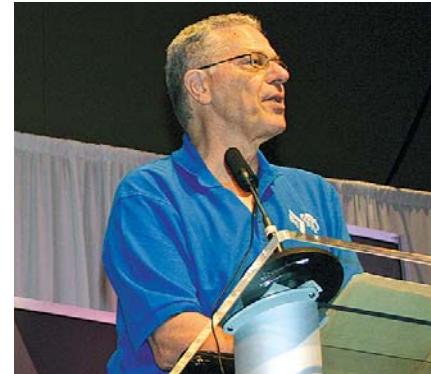
Anne Manna, WB1ARU, the current Secretary (and a former president) of the Young Ladies Radio League, signs a letter to her congressional representative in support of the Amateur Radio Parity Act. [LJB Special Photography photo]



## ARRL National Centennial Convention



ARRL staff and volunteers congregate in front of our flagship operating station, W1AW, during our Centennial celebration. [Bob Inderbitzen, NQ1R, photo]



"My own boyhood fascination with the art and science of radio got me into this hobby," Nobel Laureate Joe Taylor, K1JT, told a rapt convention audience, "and, from there, it launched me on a path leading to advance degrees in physics, to teaching university physics, to making fundamental research contributions to mankind's knowledge of the laws of nature." He predicted continued digitalization of Amateur Radio electronics. [Rick Lindquist, WW1ME, photo]



Devlin Murray, KC2PIX, was a presenter at one of the convention's two youth forums. [LJB Special Photography photo]



His "Get Behind HR 4969" sticker on display, ARRL General Counsel Chris Imlay, W3KD, explains to a packed forum what the League-initiated legislation would and would not do. [Rick Lindquist, WW1ME, photo]

Convention Manager Bob Inderbitzen, NQ1R (at right), shown framing the ARRL diamond logo on our centennial banner with attendees joining in. [Bob Inderbitzen, NQ1R, photo]



Yamini Sadineni, VU2YAM, journeyed from Hyderabad, India, to join the ARRL's Centennial celebration. She was on the TI9KK DXpedition team and has been active in responding to weather emergencies. [LJB Special Photography photo]

# Annual Report

Devoted Entirely to Amateur Radio

## American Radio Relay League Board of Directors – January 2014

### Front Row:

Jay Bellows, Bruce Frahm, Kay Craigie, Rick Roderick

### Second Row:

Brian Mileshosky, Bob Vallio, William Hudzik, Kermit Carlson, Harold Kramer, Mike Raisbeck, Jim Fenstermaker, Dennis Bodson, Rod Stafford

### Third Row:

Doug Rehman, David Norris, Jim Boehner, Cliff Ahrens, Bill Edgar, George Isely, Mike Lee

### Fourth Row:

Mary Hobart, Jim Weaver, Dale Williams, Chris Imlay, Greg Widin, David Sumner, Marty Woll

### Fifth Row:

Dan Henderson, Barry Shelley, Mike Lisenco, John Robert Stratton, Tom Abernethy

### Top Row:

Brennan Price, Richard Norton, Jim Pace, Tom Frenaye, David Woolweaver, Rick Niswander, Jim Tiemstra, Kent Olson, Dwayne Allen, Rod Blocksom



ARRL 2014 Annual Board Meeting — Windsor, Connecticut

## Officers

**Kay Craigie, N3KN**  
President  
Blacksburg, Virginia

**Rick Roderick, K5UR**  
First Vice President  
Little Rock, Arkansas

**Jim Fenstermaker, K9JF**  
Vice President  
Washougal, Washington

**Jay Bellows, K0QB**  
Vice President,  
International Affairs  
West St Paul, Minnesota

**David Sumner, K1ZZ**  
Chief Executive Officer/Secretary

**Rick Niswander, K7GM**  
Treasurer  
Greenville, North Carolina

**Barry Shelley, N1VXY**  
Chief Financial Officer

**Harold Kramer, WJ1B**  
Chief Operating Officer

**Mary Hobart, K1MMH**  
Chief Development Officer

**Brennan Price, N4QX**  
Chief Technology Officer

## Directors

### Atlantic Division

**Bill Edgar, N3LLR**  
Director  
Bradford, Pennsylvania

**Tom Abernethy, W3TOM**  
Vice Director  
Accokeek, Maryland

### Central Division

**George R. Isely, W9GIG**  
Director  
St Charles, Illinois

**Kermit Carlson, W9XA**  
Vice Director  
Batavia, Illinois

### Dakota Division

**Gregory P. Widin, K0GW**  
Director  
Stillwater, Minnesota

**Kent Olson, KA0LDG**  
Vice Director  
Horace, North Dakota

### Delta Division

**David Norris, K5UZ**  
Director  
Little Rock, Arkansas

**Ed B. Hudgens, WB4RHQ**  
Vice Director  
Nashville, Tennessee

### Great Lakes Division

**Dale Williams, WA8EFK**  
Director  
Dundee, Michigan

**Thomas Delaney, W8WTD**  
Vice Director  
Cincinnati, Ohio

### Hudson Division

**Mike Lisenco, N2YBB**  
Director  
Brooklyn, NY

**William Hudzik, W2UDT**  
Vice Director  
Gillette, NJ

### Midwest Division

**Cliff Ahrens, K0CA**  
Director  
Hannibal, Missouri

**Rod Blocksome, K0DAS**  
Vice Director  
Robins, Iowa

### New England Division

**Tom Frenaye, K1KI**  
Director  
West Suffield, Connecticut

**Mike Raisbeck, K1TWF**  
Vice Director  
Chelmsford, Massachusetts

### Northwestern Division

**Jim Pace, K7CEX**  
Director  
Centralia, Washington

**Bonnie Altus, AB7ZQ**  
Vice Director  
Sheridan, Oregon

### Pacific Division

**Bob Vallio, W6RGG**  
Director  
Castro Valley, California

**Jim Tiemstra, K6JAT**  
Vice Director  
Oakland, California

### Roanoke Division

**Dennis Bodson, W4PWF**  
Director  
Arlington, Virginia

**Dr James Boehner, N2ZZ**  
Vice Director  
Aiken, South Carolina

### Rocky Mountain Division

**Brian Mileshosky, N5ZGT**  
Director  
Albuquerque, New Mexico

**Dwayne Allen, WY7FD**  
Vice Director  
Sundance, Wyoming

### Southeastern Division

**Doug Rehman, K4AC**  
Director  
Wustis, Florida

**Michael Lee, AA6ML**  
Vice Director  
Palm Coast, Florida

### Southwestern Division

**Richard Norton, N6AA**  
Director  
Topanga, California

**Marty Woll, N6VI**  
Vice Director  
Chatsworth, California

### West Gulf Division

**Dr David Woolweaver, K5RAV**  
Director  
Harlingen, Texas

**John Robert Stratton, N5AUS**  
Vice Director  
Austin, Texas

Independent Auditor's Report

To the Board of Directors of  
The American Radio Relay League, Incorporated

We have audited the accompanying financial statements of The American Radio Relay League, Incorporated, which comprise the statements of financial position as of December 31, 2014 and 2013, and the related statements of activities and cash flows for the years then ended, and the related notes to the financial statements.

*Management's Responsibility for the Financial Statements*

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

*Auditor's Responsibility*

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

*Opinion*

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The American Radio Relay League, Incorporated as of December 31, 2014 and 2013, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

*Report on Supplementary Information*

Our audits were conducted for the purpose of forming an opinion of the financial statements as a whole. The schedules of expenditures and temporarily restricted fund summary on pages 21 through 23 are presented for purposes of additional analysis and are not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

*CohnReznick LLP*

Hartford, Connecticut  
May 4, 2015

**The American Radio Relay League, Incorporated**

**Statements of Financial Position**  
**December 31, 2014 and 2013**

Assets

	2014	2013
Current assets:		
Cash	\$ 815,902	\$ 1,191,475
Accounts receivable, net of allowance for doubtful accounts of \$54,868 and \$69,934	309,718	396,292
Inventories, net	667,320	710,506
Pledges receivable, current	211,121	417,796
Other receivables	59,834	164,848
Prepaid expenses and other current assets	293,601	113,715
Total current assets	<u>2,357,496</u>	<u>2,994,632</u>
Other assets:		
Investments	21,754,401	21,157,076
Long term pledges receivable, net of discount and allowance of \$304,276 and \$351,231	709,143	724,036
Land, building and equipment, net	1,603,159	919,417
Total other assets	<u>24,066,703</u>	<u>22,800,529</u>
Total assets	<u>\$ 26,424,199</u>	<u>\$ 25,795,161</u>

Liabilities and Net Assets

Current liabilities:		
Accounts payable	\$ 264,229	\$ 484,114
Accrued liabilities	385,238	509,672
Deferred revenue	15,795	32,428
Subtotal operational current liabilities	<u>665,262</u>	<u>1,026,214</u>
Deferred life membership dues, current	509,902	508,488
Deferred term membership dues, current	2,726,388	2,662,806
Total current liabilities	<u>3,901,552</u>	<u>4,197,508</u>
Long-term liabilities:		
Deferred life membership dues, less current portion	6,543,980	6,332,152
Deferred term membership dues, less current portion	803,905	757,004
Total long-term liabilities	<u>7,347,885</u>	<u>7,089,156</u>
Total liabilities	<u>11,249,437</u>	<u>11,286,664</u>
Commitments		
Net assets:		
Unrestricted:		
Undesignated	3,084,516	3,603,383
Board designated	5,876,847	5,590,584
Temporarily restricted	2,193,086	2,166,018
Permanently restricted	4,020,313	3,148,512
Total net assets	<u>15,174,762</u>	<u>14,508,497</u>
Total liabilities and net assets	<u>\$ 26,424,199</u>	<u>\$ 25,795,161</u>

See Notes to Financial Statements.

**The American Radio Relay League, Incorporated**

**Statement of Activities**  
**Year Ended December 31, 2014**

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
<b>Revenues and contributions:</b>				
Membership dues	\$ 5,915,074	\$ -	\$ -	\$ 5,915,074
Net publication sales	3,960,510	-	-	3,960,510
Advertising	2,536,434	-	-	2,536,434
Investment income	491,623	175,035	-	666,658
Examination fees and other	485,454	-	-	485,454
Program and service fees	852,127	-	-	852,127
Contributions and support	573,845	467,855	44,582	1,086,282
Net assets released from restrictions	656,586	(656,586)	-	-
	<u>15,471,653</u>	<u>(13,696)</u>	<u>44,582</u>	<u>15,502,539</u>
<b>Expenditures:</b>				
Programs and services	8,919,762	-	-	8,919,762
Publications	4,427,230	-	-	4,427,230
Administration	1,627,752	-	-	1,627,752
Fundraising	624,789	-	-	624,789
Governance	224,903	-	-	224,903
	<u>15,824,436</u>	<u>-</u>	<u>-</u>	<u>15,824,436</u>
Increase (decrease) in net assets before other income	(352,783)	(13,696)	44,582	(321,897)
<b>Other income:</b>				
Bequests, Board designated functioning as an endowment	9,000	-	-	9,000
Second Century Campaign endowment contributions	-	-	827,219	827,219
Unrealized gain on investments	111,179	40,764	-	151,943
	<u>120,179</u>	<u>40,764</u>	<u>827,219</u>	<u>988,162</u>
Change in net assets	(232,604)	27,068	871,801	666,265
Net assets, beginning of year	<u>9,193,967</u>	<u>2,166,018</u>	<u>3,148,512</u>	<u>14,508,497</u>
Net assets, end of year	<u>\$ 8,961,363</u>	<u>\$ 2,193,086</u>	<u>\$ 4,020,313</u>	<u>\$ 15,174,762</u>

See Notes to Financial Statements.

**The American Radio Relay League, Incorporated**

**Statement of Activities**  
**Year Ended December 31, 2013**

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
<b>Revenues and contributions:</b>				
Membership dues	\$ 5,785,794	\$ -	\$ -	\$ 5,785,794
Net publication sales	4,067,070	-	-	4,067,070
Advertising	2,594,067	-	-	2,594,067
Investment income	436,755	130,823	-	567,578
Examination fees and other	431,123	-	-	431,123
Program and service fees	605,709	-	-	605,709
Contributions and support	492,981	487,999	95,028	1,076,008
Net assets released from restrictions	<u>592,791</u>	<u>(592,791)</u>	<u>-</u>	<u>-</u>
	<u>15,006,290</u>	<u>26,031</u>	<u>95,028</u>	<u>15,127,349</u>
<b>Expenditures:</b>				
Programs and services	8,025,601	-	-	8,025,601
Publications	4,156,834	-	-	4,156,834
Administration	1,729,334	-	-	1,729,334
Fundraising	595,039	-	-	595,039
Governance	246,919	-	-	246,919
	<u>14,753,727</u>	<u>-</u>	<u>-</u>	<u>14,753,727</u>
Increase in net assets before other income	<u>252,563</u>	<u>26,031</u>	<u>95,028</u>	<u>373,622</u>
<b>Other income:</b>				
Bequests, Board designated functioning as an endowment	877,873	-	-	877,873
Second Century Campaign endowment contributions	-	-	613,248	613,248
Unrealized gain on investments	<u>1,323,279</u>	<u>381,530</u>	<u>-</u>	<u>1,704,809</u>
	<u>2,201,152</u>	<u>381,530</u>	<u>613,248</u>	<u>3,195,930</u>
Change in net assets	2,453,715	407,561	708,276	3,569,552
Net assets, beginning of year	<u>6,740,252</u>	<u>1,758,457</u>	<u>2,440,236</u>	<u>10,938,945</u>
Net assets, end of year	<u>\$ 9,193,967</u>	<u>\$ 2,166,018</u>	<u>\$ 3,148,512</u>	<u>\$ 14,508,497</u>

See Notes to Financial Statements.

**The American Radio Relay League, Incorporated**

**Statements of Cash Flows**  
**Years Ended December 31, 2014 and 2013**

	<u>2014</u>	<u>2013</u>
Operating activities:		
Change in net assets	\$ 666,265	\$ 3,569,552
Adjustments to reconcile change in net assets to net cash provided by (used in) operating activities:		
Receipts to establish or increase permanent endowment	(871,801)	(708,276)
Depreciation	242,356	198,784
Gain on sale of equipment	(4,606)	(1,724)
Bad debt expense (recovery)	(8,975)	19,290
Discount and allowance for pledges receivable	(46,955)	32,075
Change in inventory reserve	(6,223)	(18,674)
Unrealized gain on investments	(151,943)	(1,704,809)
Realized gain on investments allocated to general and permanent funds	(274,557)	(204,430)
Changes in operating assets and liabilities:		
Accounts receivable	95,549	(46,230)
Inventories	49,409	94,300
Pledges receivable	268,523	(374,113)
Other receivables	105,014	(95,460)
Prepaid expenses and other current assets	(179,886)	305,147
Accounts payable and accrued liabilities	(344,319)	331,598
Deferred revenue	(16,633)	20,104
Deferred life membership dues, net of allocated realized gain	(99,101)	(254,367)
Deferred term membership dues	110,483	75,114
Net cash provided by (used in) operating activities	<u>(467,400)</u>	<u>1,237,881</u>
Investing activities:		
Purchase of equipment	(928,638)	(670,558)
Proceeds from sale of equipment	7,146	5,474
Sales of investments	4,133,146	4,799,377
Purchases of investments	(3,991,628)	(5,945,924)
Net cash used in investing activities	<u>(779,974)</u>	<u>(1,811,631)</u>
Financing activities:		
Receipts to establish or increase permanent endowment	871,801	708,276
Net increase (decrease) in cash	(375,573)	134,526
Cash, beginning of year	1,191,475	1,056,949
Cash, end of year	<u>\$ 815,902</u>	<u>\$ 1,191,475</u>

See Notes to Financial Statements.

## **The American Radio Relay League, Incorporated**

### **Notes to Financial Statements December 31, 2014 and 2013**

#### **Note 1 - Organization and summary of significant accounting policies**

##### **Nature of activities**

The American Radio Relay League, Incorporated (the "League") is a not-for-profit organization formed to promote interest in amateur radio communication, experimentation and the advancement of radio art, further the public welfare and foster education in the field of electronic communication. The League also publishes documents, books, magazines and pamphlets necessary or incidental to its purpose. The League's operations are primarily supported by membership dues, publication sales, advertising and contributions. The League's members are primarily located throughout the United States.

##### **Basis of presentation**

The accompanying financial statements have been prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America. To ensure observance of limitations and restrictions placed on the use of resources available to the League, the accounts of the League are maintained in the following net asset categories:

Unrestricted - Net assets represent available resources other than contributions restricted by donor-imposed stipulations or by operation of law. The Board of Directors of the League has earmarked a certain amount of those funds, which are shown as board designated net assets in the accompanying statements of financial position.

Temporarily Restricted - Net assets represent contributions and earnings thereon that are restricted by donor-imposed stipulations or by operation of law either as to purpose or as to time of expenditure.

Permanently Restricted - Net assets represent contributions received that are subject to donor-imposed restrictions or to those imposed by operation of law that the principal be invested in perpetuity while the income earned thereon is made available for operations.

##### **Cash and cash equivalents**

Cash and cash equivalents include all cash balances and highly liquid short-term instruments with an original maturity of three months or less when acquired. Temporary cash and cash equivalent balances associated with investment accounts are included with investments in these financial statements. There were no cash equivalents as of December 2014 or 2013 included in operating cash.

##### **Allowance for doubtful accounts**

Trade accounts receivable is stated at the amount management expects to collect from outstanding balances. The League performs on-going credit evaluations of its customers' financial condition and grants credit based on each customer's ability to pay. The League evaluates the need for an allowance for doubtful accounts based upon factors surrounding the credit risk of specific customers, historical trends and other information.

## The American Radio Relay League, Incorporated

### Notes to Financial Statements December 31, 2014 and 2013

#### **Pledges and contributions receivable**

Pledges and contributions receivable are recorded at their net realizable value which approximates fair value. Receivables that are expected to be collected in future years are discounted to their present values.

#### **Inventories**

Inventories consist of publications, software, membership supplies and other miscellaneous items. Inventories are stated at the lower of cost or market. Cost is determined by the first-in, first-out (FIFO) method. Inventories are reflected net of reserves for slow moving inventory of \$105,110 and \$111,333 as of December 31, 2014 and 2013, respectively.

#### **Investments**

The League reports investments at fair value (see Note 3) and reflects any gain or loss in the statements of activities. Investment income and gains and losses are considered unrestricted unless temporarily restricted by donor stipulation or by operation of law.

#### **Land, building and equipment**

The League capitalizes expenditures for building and equipment with a useful life of greater than one year and a cost of \$1,000 or more. Purchased land, building and equipment are carried at cost less accumulated depreciation. Depreciation is computed using the straight-line method over the estimated useful life of the asset. Estimated lives for financial reporting purposes are as follows:

Asset	Estimated Useful Lives
Building	40 years
Furnishings, equipment and building improvements	3 - 15 years
Computer software	3 - 5 years

Expenditures for repairs and maintenance are charged to expense as incurred. For assets sold or otherwise disposed of, the cost and related accumulated depreciation are removed from the accounts and any resulting gain or loss is reflected in change of net assets for the period.

The League reviews long-lived assets for impairment using an undiscounted cash flow method whenever events or circumstances indicate the carrying value of an asset may not be recoverable. There were no impairment losses related to long-lived assets as of December 31, 2014 and 2013.

Donations of land, building and equipment are recorded as support at their estimated fair value. Such donations are reported as unrestricted support, unless the donor has restricted the donated asset for a specific purpose. Assets donated with explicit restrictions regarding their use and contributions of cash that must be used to acquire land, building and equipment are reported as restricted support. Absent donor stipulations regarding how long those donated assets must be restricted, the League reports expirations of donor restrictions when the donated or acquired assets are placed in service.

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements  
December 31, 2014 and 2013**

The League reclassifies temporarily restricted net assets to unrestricted net assets at that time.

**Endowment and spending policy**

The League adheres to investment and spending policies for endowment assets that attempt to provide a predictable stream of funding to programs supported by its endowment while seeking to maintain the purchasing power of the endowment assets. Endowment assets include those assets of donor-restricted funds that the League must hold in perpetuity as well as board designated funds. Under this policy, as approved by the Board of Directors, the endowment assets are invested in accordance with sound investment practices that emphasize long-term investment fundamentals. It is recognized that short-term market fluctuations may cause variations in account performance and investment balances.

To satisfy its long-term rate of return objectives, the League relies on a total return strategy in which investment returns are achieved through both capital appreciation (realized and unrealized) and current yield (interest and dividends). The League targets a diversified asset allocation to achieve its long-term return objectives within prudent risk constraints.

The League appropriates funds for distribution based on an annual review of investment results and available net assets. The League's objective is to maintain the purchasing power of the endowment assets held in perpetuity or for a specified term as well as to provide additional real growth through new gifts and investment return.

**Revenue recognition**

Membership dues - Revenue from term membership dues is recognized to the extent of acquisition costs when memberships are received. The remaining portion is recognized as revenue on the straight-line basis ratably over the applicable membership period.

The by-laws of the League provide for a life membership dues rate that equals 25 times the term membership annual dues rate. Life member dues are deferred upon receipt. Investment earnings on allocated life member investments are deferred. Revenue is recognized at an amount representative of the estimated cost to the League for providing services to the life members.

Publication Sales - Revenue from publication sales is recognized when the earnings process is complete and the risks and rewards of ownership have transferred to the customer, which is generally considered to have occurred upon shipment of the publication.

Advertising - Advertising revenue is recorded during the period in which the advertisements are published.

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements  
December 31, 2014 and 2013**

**Contributions and Bequests** - Contributions and bequests received are recorded as unrestricted, temporarily restricted or permanently restricted support depending on the existence and/or nature of any donor restrictions or those imposed by operation of law. Support that is restricted by the donor is reported as an increase in temporarily restricted net assets even if the restrictions expire in the reporting period in which the support is recognized. When a restriction expires (that is, when a stipulated time restriction ends or purpose restriction is accomplished), temporarily restricted net assets are reclassified to unrestricted net assets and reported in the statements of activities as net assets released from restrictions.

**Income taxes**

The League is exempt from Federal income taxes under Section 501(c)(3) of the Internal Revenue Code. However, the League is subject to Federal and state income tax as a result of unrelated business income arising from net advertising income. There are no unrelated business income tax liabilities for the years ended December 31, 2014 and 2013.

The League's Federal information returns prior to calendar year 2011 are closed and management continually evaluates expiring statutes of limitations, audits, proposed settlements, changes in tax law and new authoritative rulings. The League recognizes interest and penalties associated with uncertain tax positions as part of the income tax provision and includes accrued interest and penalties with the related tax liability in the statements of financial position. The League has no unrecognized tax positions at December 31, 2014 and 2013.

**Functional expenses**

The costs of providing various program and supporting services have been summarized on a functional basis in the statements of activities. Accordingly, certain costs have been allocated among the program and supporting services benefited.

**Use of estimates**

The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

**Reclassifications**

Certain prior year information has been reclassified to conform to the current year presentation.

**Subsequent events**

The League has evaluated events and transactions for potential recognition or disclosure through May 4, 2015, which is the date the financial statements were available to be issued.

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements  
December 31, 2014 and 2013**

**Note 2 - Pledges receivable**

Unconditional pledges receivable as of December 31, 2014 and 2013 are expected to be realized in the following periods:

	2014	2013
In one year or less	\$ 211,121	\$ 417,796
In one to five years	446,019	440,267
In more than five years	567,400	635,000
Total pledges receivable	1,224,540	1,493,063
Less: allowance for uncollectible pledges	(102,252)	(126,870)
Less: discount	(202,024)	(224,361)
	\$ 920,264	\$ 1,141,832

Amounts are shown in the statements of financial position as of December 31 as follows:

	2014	2013
Current	\$ 211,121	\$ 417,796
Long-term	709,143	724,036
	\$ 920,264	\$ 1,141,832

Pledges expected to be received in more than one year have been discounted using a discount rate of 3.25% at both December 31, 2014 and 2013.

**Note 3 - Investments**

Investments are carried at their aggregate fair value. The following summarizes the relationship between the cost and fair values as presented in the financial statements as of December 31, 2014 and 2013:

	2014		2013	
	Fair Value	Cost	Fair Value	Cost
Cash and cash equivalents	\$ 971,834	\$ 971,834	\$ 832,222	\$ 832,222
Equities and mutual funds	11,919,625	9,029,542	12,628,167	9,869,699
Fixed maturities	8,862,942	8,841,909	7,696,687	7,695,982
	\$ 21,754,401	\$ 18,843,285	\$ 21,157,076	\$ 18,397,903

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements**  
**December 31, 2014 and 2013**

The League allocates its investments into categories related to life memberships, regular operations, temporarily restricted and endowment funds. The following summarizes the fair value of investments by category as of December 31, 2014 and 2013:

	2014	2013
Life membership	\$ 7,053,882	\$ 6,840,640
Regular operations	2,610,273	3,411,322
Temporarily restricted	2,193,086	2,166,018
Functioning as an endowment	5,876,847	5,590,584
Permanently restricted	4,020,313	3,148,512
	<u>\$ 21,754,401</u>	<u>\$ 21,157,076</u>

The following summarizes changes in relationships between cost and fair values of investments:

	2014	2013
Unrealized appreciation, beginning of year:		
Fair value	\$21,157,076	\$17,728,010
Cost	<u>18,397,903</u>	<u>16,673,646</u>
Net gain	<u>2,759,173</u>	<u>1,054,364</u>
Unrealized appreciation, end of year:		
Fair value	21,754,401	21,157,076
Cost	<u>18,843,285</u>	<u>18,397,903</u>
Net gain	<u>2,911,116</u>	<u>2,759,173</u>
Net unrealized gain for the year	<u>\$ 151,943</u>	<u>\$ 1,704,809</u>

Investment income is summarized as follows for the years ended December 31, 2014 and 2013:

	2014	2013
Interest and dividend income	\$ 497,693	\$ 526,618
Net realized gain on investments	<u>586,900</u>	<u>423,728</u>
Gross investment income	1,084,593	950,346
Less:		
Net investment income allocated to deferred life liability	<u>(417,935)</u>	<u>(382,768)</u>
Total investment income	<u>\$ 666,658</u>	<u>\$ 567,578</u>

## The American Radio Relay League, Incorporated

### Notes to Financial Statements December 31, 2014 and 2013

#### Note 4 - Fair value measurements

The League values its financial assets and liabilities based on the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. In order to increase consistency and comparability in fair value measurements, a fair value hierarchy that prioritizes observable and unobservable inputs is used to measure fair value into three broad levels, which are described below:

Level 1: Quoted prices (unadjusted) in active markets that are accessible at the measurement date for identical assets or liabilities. The fair value hierarchy gives the highest priority to Level 1 inputs.

Level 2: Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in inactive markets or model-derived valuations in which all significant inputs are observable or can be derived principally from or corroborated with observable market data. If an asset or liability has a specific (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Unobservable inputs are used when little or no market data is available. The fair value hierarchy gives the lowest priority to Level 3 inputs.

In determining fair value, the League utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible as well as considers counterparty credit risk in its assessment of fair value.

Financial assets carried at fair value at December 31, 2014 and 2013 are classified in the tables below in one of the three categories described above:

	2014			
	Level 1	Level 2	Level 3	Total
Money market fund	\$ 971,834	\$ -	\$ -	\$ 971,834
Mutual funds:				
Closed-end funds	76,360	-	-	76,360
Large blend fund	12,884	-	-	12,884
Open-end blended fund	220,390	-	-	220,390
Large growth fund	9,014	-	-	9,014
Total mutual funds	318,648	-	-	318,648
Exchange traded funds				
Small blend	303,317	-	-	303,317
Mid cap blend	409,046	-	-	409,046
Large blend	3,251,990	-	-	3,251,990
Short term bond	1,269,412	-	-	1,269,412
Foreign mid blend	76,248	-	-	76,248
Foreign large blend	535,922	-	-	535,922
Equity energy	167,430	-	-	167,430
Diversified emerging markets	136,067	-	-	136,067
Total exchange traded funds	6,149,432	-	-	6,149,432

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements**  
**December 31, 2014 and 2013**

**Stocks:**

Domestic large cap	\$ 4,783,356	\$ -	\$ -	\$ 4,783,356
Domestic mid cap	200,207	-	-	200,207
Domestic small cap	68,982	-	-	68,982
International developed	399,000	-	-	399,000
Total stocks	<u>5,451,545</u>	<u>-</u>	<u>-</u>	<u>5,451,545</u>

**Fixed maturities:**

Corporate bonds	-	7,706,640	-	7,706,640
International developed bonds	-	746,947	-	746,947
Global high yield taxable	-	409,355	-	409,355
Total fixed maturities	<u>-</u>	<u>8,862,942</u>	<u>-</u>	<u>8,862,942</u>
Total assets at fair value	<u>\$ 12,891,459</u>	<u>\$ 8,862,942</u>	<u>\$ -</u>	<u>\$ 21,754,401</u>

2013

	Level 1	Level 2	Level 3	Total
Money market fund	<u>\$ 832,222</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 832,222</u>
Mutual funds:				
Closed-end funds	119,550	-	-	119,550
Large blend fund	11,892	-	-	11,892
Open-end blended fund	<u>218,636</u>	<u>-</u>	<u>-</u>	<u>218,636</u>
Total mutual funds	<u>350,078</u>	<u>-</u>	<u>-</u>	<u>350,078</u>

**Exchange traded funds**

Small blend	395,820	-	-	395,820
Mid cap blend	368,752	-	-	368,752
Large blend	2,879,814	-	-	2,879,814
Short term bond	1,271,507	-	-	1,271,507
Foreign mid blend	82,352	-	-	82,352
Foreign large blend	574,822	-	-	574,822
Equity energy	126,430	-	-	126,430
Diversified emerging markets	139,876	-	-	139,876
Preferred stock	121,539	-	-	121,539
Total exchange traded funds	<u>5,960,912</u>	<u>-</u>	<u>-</u>	<u>5,960,912</u>

**Stocks:**

Domestic large cap	5,456,367	-	-	5,456,367
Domestic mid cap	338,100	-	-	338,100
Domestic small cap	102,790	-	-	102,790
International developed	419,920	-	-	419,920
Total stocks	<u>6,317,177</u>	<u>-</u>	<u>-</u>	<u>6,317,177</u>

**Fixed maturities:**

Corporate bonds	-	6,523,300	-	6,523,300
International developed bonds	-	746,742	-	746,742
Global high yield taxable	-	426,645	-	426,645
Total fixed maturities	<u>-</u>	<u>7,696,687</u>	<u>-</u>	<u>7,696,687</u>
Total assets at fair value	<u>\$ 13,460,389</u>	<u>\$ 7,696,687</u>	<u>\$ -</u>	<u>\$ 21,157,076</u>

Level 1 stocks, mutual funds, exchange traded funds and money market funds are valued at the daily closing price as reported by the fund. Mutual funds are registered with the Securities and Exchange Commission.

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements  
December 31, 2014 and 2013**

These funds are required to publish their daily net asset value ("NAV") and to transact at that price. These financial assets held by the League are deemed to be actively traded.

The fair value of fixed maturities (Level 2), which consists principally of corporate and international bonds, is estimated using market price quotations (where observable), recently executed transactions or bond spreads of the issuer. If the spread data does not reference the issuer, then data that references a comparable issuer is used. When observable price quotations are not available, fair value is determined based on cash flow models with yield curves or bond spreads.

The preceding is a description of the valuation methodologies used for assets at fair value. There have been no changes in the methodology used at December 31, 2014 and 2013.

The League's policy is to recognize transfers in and transfers out of levels at the actual date of the event or change in circumstances that caused the transfer. There were no transfers in or out of the respective levels during the years ended December 31, 2014 and 2013.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the League believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

**Note 5 - Land, building and equipment**

Land, building and equipment, and related accumulated depreciation are comprised of the following at December 31, 2014 and 2013:

	<u>2014</u>	<u>2013</u>
Land and building	\$ 1,094,693	\$ 1,094,693
Furnishings, equipment and building improvements	4,223,492	3,307,780
Computer software	<u>2,038,245</u>	<u>2,031,059</u>
	7,356,430	6,433,532
Less accumulated depreciation	<u>(5,753,271)</u>	<u>(5,514,115)</u>
	<u>\$ 1,603,159</u>	<u>\$ 919,417</u>

**Note 6 - 403(b) plan**

The League has the ARRL, Inc. 403(b) Pension Plan. Employees are eligible to participate in the plan immediately upon employment. After an employee has worked for 6 months, the League provides a contribution of 2% of the employee's compensation and will match any elective contributions made by the employee up to the employee's contribution of 4% of their compensation. The match was one dollar for every dollar contributed by the employee in 2014 and 50 cents for every dollar contributed by the employee in 2013. Total employer contributions were \$282,607 and \$189,771 in 2014 and 2013, respectively.

## The American Radio Relay League, Incorporated

### Notes to Financial Statements December 31, 2014 and 2013

#### Note 7 - Board designated net assets

The League's Board of Directors' intent is to treat unrestricted bequests as funds functioning as an endowment. Since the beginning of 2004, the League has received bequests in the amount of \$4,245,773. As of December 31, 2014 and 2013, the balance of the bequests, inclusive of investment income and unrealized gains and losses, was \$5,876,847 and \$5,590,584, respectively.

#### Note 8 - Temporarily restricted net assets

Temporarily restricted net assets as of December 31, 2014 and 2013 were available for the following purposes:

	2014	2013
Exceptional merit	\$ 1,379,750	\$ 1,380,432
Education and research	126,968	157,246
Other specific purposes	<u>686,368</u>	<u>628,340</u>
	<u>\$ 2,193,086</u>	<u>\$ 2,166,018</u>

#### Note 9 - Permanently restricted net assets

Permanently restricted net assets as of December 31, 2014 and 2013 were comprised of the following:

	2014	2013
W1AW fund	\$ 509,084	\$ 501,474
Colvin fund	154,340	154,340
Second Century fund	3,199,702	2,372,482
Youth and Education fund	<u>157,187</u>	<u>120,216</u>
	<u>\$ 4,020,313</u>	<u>\$ 3,148,512</u>

In 2002, an endowment fund was established for W1AW maintenance and upkeep.

In 1993, the League became entitled, as beneficiary, to proceeds from a life insurance policy on one of its members, the Colvin fund. This endowment specifies that the principal is to be maintained in a fund and invested for the purpose of producing future income. The income from this endowment will be expended to reward deserving radio amateurs.

In 2011, the League started the Second Century Campaign. This campaign was established for the purpose of defining a path to passionate involvement in amateur radio by new generations, and providing opportunities for educational enrichments, community service and personal achievement.

In 2012, the League became entitled to a bequest for the Youth and Education fund. This endowment specifies that the principal is to be maintained in a fund and invested for the purpose of producing future income. The income from this endowment will be used to support education and technology initiatives.

## The American Radio Relay League, Incorporated

### Notes to Financial Statements December 31, 2014 and 2013

#### Note 10 - Endowment

The League's endowment includes both donor-restricted endowment funds and funds designated by the Board of Directors to function as endowments. As required by accounting principles generally accepted in the United States of America, net assets associated with endowment funds, including funds designated by the Board of Directors to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions. The Board of Directors has interpreted the Connecticut Uniform Prudent Management of Institutional Funds Act ("CTUPMIFA") as requiring the preservation of the fair value of the original gift as of the gift date of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation, the League classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment, (b) the original value of subsequent gifts to the permanent endowment, and (c) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund.

The remaining portion of the donor-restricted endowment fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure by the Board of Directors in a manner consistent with the standard of prudence prescribed by CTUPMIFA. In accordance with CTUPMIFA, the League considers the following factors in making a determination to appropriate or accumulate donor-restricted endowment funds: (1) the duration and preservation of the various funds, (2) the purposes of the League and donor-restricted endowment funds, (3) general economic conditions, (4) the possible effect of inflation and deflation, (5) the expected total return from income and the appreciation of investments, (6) other resources of the League and (7) the League's investment policies.

Changes in endowment net assets for the year ended December 31, 2014 is as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Endowment net assets, January 1, 2014	\$ 5,590,584	\$ 383,884	\$ 3,148,512	\$ 9,122,980
Investment income, net	232,183	135,832	-	368,015
Net unrealized gain	45,080	29,633	-	74,713
Contributions	9,000	-	871,801	880,801
Amounts appropriated for expenditure	-	(113,102)	-	(113,102)
Endowment net assets, December 31, 2014	\$ 5,876,847	\$ 436,247	\$ 4,020,313	\$ 10,333,407

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements**  
**December 31, 2014 and 2013**

Endowment net asset composition by type of fund as of December 31, 2014 is as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Donor-Restricted Endowment Funds	\$ -	\$ 436,247	\$ 4,020,313	\$ 4,456,560
Board Designated Endowment Funds	5,876,847	-	-	5,876,847
Total funds	<u>\$ 5,876,847</u>	<u>\$ 436,247</u>	<u>\$ 4,020,313</u>	<u>\$ 10,333,407</u>

Changes in endowment net assets for the year ended December 31, 2013 is as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Endowment net assets, January 1, 2013	\$ 4,127,782	\$ 109,023	\$ 2,440,236	\$ 6,677,041
Investment income, net	202,434	92,972	-	295,406
Net unrealized gain	382,495	263,806	-	646,301
Contributions	877,873	-	708,276	1,586,149
Amounts appropriated for expenditure	-	(81,917)	-	(81,917)
Endowment net assets, December 31, 2013	<u>\$ 5,590,584</u>	<u>\$ 383,884</u>	<u>\$ 3,148,512</u>	<u>\$ 9,122,980</u>

Endowment net asset composition by type of fund as of December 31, 2013 is as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Donor-Restricted Endowment Funds	\$ -	\$ 383,884	\$ 3,148,512	\$ 3,532,396
Board Designated Endowment Funds	5,590,584	-	-	5,590,584
Total funds	<u>\$ 5,590,584</u>	<u>\$ 383,884</u>	<u>\$ 3,148,512</u>	<u>\$ 9,122,980</u>

From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the level that the donor requires the League to retain as a fund of perpetual duration. There were no deficiencies of this nature reported in unrestricted net assets as of December 31, 2014 and 2013.

**The American Radio Relay League, Incorporated**

**Notes to Financial Statements  
December 31, 2014 and 2013**

**Note 11 - Lease obligations**

The League leases warehouse space, office space and office equipment under operating leases with monthly payments ranging from \$107 to \$4,265, which expire at various times through May 2016. Total operating lease expense was \$168,813 and \$140,603 for the years ended December 31, 2014 and 2013, respectively.

The following are future minimum lease payments due under noncancelable operating leases as of December 31, 2014:

<u>Year Ending December 31,</u>	
2015	\$ 78,602
2016	<u>21,753</u>
	<u>\$ 100,355</u>

**Note 12 - Concentrations**

**Credit risk**

Financial instruments, which potentially subject the League to concentrations of credit risk, consist primarily of cash, pledges and trade receivables. The League maintains its cash with high-credit quality financial institutions. At times, such amounts may exceed the Federally insured limit.

The League believes that the concentration of credit risk in its trade receivables is substantially mitigated by the League's credit evaluation process, relatively short collection terms and the financial stability of the larger customers comprising the League's credit base. The League does not generally require collateral from customers. Pledges receivable are comprised primarily of commitments from individuals who are members of the League. The League evaluates the need for an allowance for doubtful accounts based upon factors surrounding the credit risk of specific customers, historical trends and other information.

**Market risk**

The League invests in various debt and equity securities. These investment securities are exposed to interest rate, market, credit and other risks depending on the nature of the specific investment. Accordingly, it is at least reasonably possible that these factors will result in changes in the value of the League's investments which could materially affect amounts reported in the financial statements.

**Note 13 - Related party transactions**

The League has some common directors with The ARRL Foundation, Inc. The League performs administrative services for The ARRL Foundation, Inc. and was reimbursed for these services in the amount of \$13,200 for the years ended December 31, 2014 and 2013.

**The American Radio Relay League, Incorporated**

**Schedules of Expenditures  
Years Ended December 31, 2014 and 2013**

	<u>2014</u>	<u>2013</u>
Salaries, compensation and benefits	\$ 7,181,166	\$ 6,966,846
Publication costs	2,444,268	2,278,256
Shipping and forwarding costs	1,517,290	1,594,022
Communication and postage	848,386	764,153
Office supplies and expenditures	808,286	501,337
Other	610,707	533,359
Occupancy costs	544,881	523,515
Legal and professional fees	454,097	410,021
Administrative expenses	441,813	480,856
Travel	431,401	373,256
Rentals and equipment maintenance	299,785	129,322
Depreciation	242,356	198,784
Totals	<u>\$ 15,824,436</u>	<u>\$ 14,753,727</u>

See Notes to Financial Statements.

**The American Radio Relay League, Incorporated**  
**Temporarily Restricted Fund Summary**  
**Year Ended December 31, 2014**

Fund Name	January 1, 2014	Contributions	Investment Income, net	Unrealized Gain	Released from Restriction	December 31, 2014
H.P. Maxim Award	\$ 41,170	\$ -	\$ 1,084	\$ -	\$ (1,500)	\$ 40,754
Project Goodwill	5,672	-	28,187	11,131	(4,000)	1,672
Exceptional Merit	1,380,432	13,212	-	-	(40,000)	1,379,750
Legal Research & Resource	157,457	-	-	-	(4,960)	165,709
Starr Technology	2,721	-	-	-	-	2,721
Rinaldo Technology	1,000	-	-	-	-	1,000
ARRL SAREX	6,709	-	-	-	-	6,709
Educational Activities	3,580	-	-	-	-	3,580
Ham Aid Fund	15,373	611	1,997	-	(2,150)	13,834
Defense of Frequencies	-	321,664	-	-	(323,661)	-
Lab Fund	13,854	4,233	-	-	(10,000)	8,087
Education and Technology	142,832	117,815	7,935	-	(157,213)	111,369
Steven Rich Fund	10,000	-	-	-	-	10,000
Direction Finding	1,334	-	-	-	-	1,334
Fred Fish Awards Fund	-	1,320	-	-	-	1,320
Legislative Issues Advocacy Fund	-	9,000	-	-	-	9,000
Colvin Fund earnings	31,898	-	9,203	1,335	(6,500)	35,936
W1AW Fund earnings	149,980	-	30,090	4,765	(14,686)	170,149
Youth and Education Fund earnings	10,834	-	-	1,185	-	12,019
Capital Campaign Fund ("CCF") earnings	191,172	-	91,916	22,348	(91,916)	213,520
CCF Earnings - DX Log Archive	-	-	4,623	-	-	4,623
Total temporarily restricted funds	\$ 2,166,018	\$ 467,855	\$ 175,035	\$ 40,764	\$ (656,586)	\$ 2,193,086

See Notes to Financial Statements.

**The American Radio Relay League, Incorporated**  
**Temporarily Restricted Fund Summary**  
**Year Ended December 31, 2013**

Fund Name	Balance January 1, 2013	Contributions	Investment Income, net	Unrealized Gain	Released from Restriction	Balance December 31, 2013
H.P. Maxim Award	\$ 39,914	\$ -	\$ 1,196	\$ -	\$ -	\$ 41,170
Project Goodwill	8,180	-	-	-	(2,508)	5,672
Exceptional Merit	1,270,440	-	32,268	117,724	(40,000)	1,380,432
Legal Research & Resource	159,715	13,349	-	-	(15,607)	157,457
Starr Technology	2,721	-	-	-	-	2,721
Rinaldo Technology	1,000	-	-	-	-	1,000
ARRL SAREX	6,709	-	-	-	-	6,709
Educational Activities	3,580	-	-	-	-	3,580
Ham Aid Fund	9,865	5,508	-	-	-	15,373
Defense of Frequencies	-	294,414	1,180	-	(295,594)	-
Lab Fund	12,683	1,171	-	-	-	13,854
Education and Technology	123,283	173,507	3,207	-	(157,165)	142,832
Steven Rich Fund	10,000	-	-	-	-	10,000
Direction Finding	1,284	50	-	-	-	1,334
Colvin Fund earnings	23,703	-	8,562	14,633	(15,000)	31,898
W1AW Fund earnings	84,270	-	27,449	48,217	(9,956)	149,980
Youth and Education Fund earnings	1,050	-	-	9,784	-	10,834
Capital Campaign Fund earnings	-	-	56,961	191,172	(56,961)	191,172
Total temporarily restricted funds	<u>\$ 1,758,457</u>	<u>\$ 487,999</u>	<u>\$ 130,823</u>	<u>\$ 381,530</u>	<u>\$ (592,791)</u>	<u>\$ 2,166,018</u>

See Notes to Financial Statements.

## **ARRL is the national association for Amateur Radio operators.**

The seed for Amateur Radio was planted in the 1890s, when Guglielmo Marconi began his experiments in wireless telegraphy. By 1914, there were thousands of Amateur Radio operators—hams—in the United States. Hiram Percy Maxim, a leading Connecticut inventor and industrialist, saw the need for an organization to band together this fledgling group of radio experimenters.

In May 1914 he founded the American Radio Relay League (ARRL) to meet that need. Today ARRL is the largest organization of radio amateurs in the United States.

**The ARRL is proud of its continuing traditions in five key areas of action:**

### **PUBLIC SERVICE**

ARRL members provide thousands of volunteer hours for communities and organizations requesting aid in emergency communications planning and disasters. Its ARES program is recognized by federal, state and national organizations for service in crises.

ARRL members provide even more hours of volunteer communications services annually to local organizations conducting large activities such as parades, scouting events and marathons.

### **ADVOCACY**

The ARRL represents US radio amateurs in legislative matters.

The ARRL also represents US amateurs with the Federal Communications Commission and other government agencies in the US and abroad.

The ARRL is the International Secretariat for the International Amateur Radio Union, which is made up of similar societies in over 150 countries around the world.

### **EDUCATION**

The ARRL promotes interest in Amateur Radio communications and experimentation.

The ARRL publishes the monthly journal *QST*, as well as newsletters and many other publications covering all aspects of Amateur Radio.

The ARRL sponsors and coordinates classes in licensing, radio communications, electronic technology and related topics both nationally and internationally.

### **TECHNOLOGY**

The Amateur Radio Service frequency bands are the place on the usable radio spectrum where you as an individual can develop and experiment with wireless communication.

Hams not only can make and modify their own equipment, but can create whole new ways to do things.

### **MEMBERSHIP**

The ARRL maintains fraternalism and a high standard of conduct among Amateur Radio operators.

The ARRL provides direct services to members, such as the Volunteer Examiner Coordinator Program and a QSL bureau.

The staff at ARRL Headquarters, in the Hartford suburb of Newington, is dedicated to providing quality member services.



***The Radio Amateur is **PATRIOTIC**... station and skill always ready for service to country and community.***

— from The Amateur's Code

## **Basis and purpose of the Amateur Service**

- (a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.
- (b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.
- (c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.
- (d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians and electronics experts.
- (e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

Title 47, Code of Federal Regulations



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