

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

# 2009 *Annual Report*



*Devoted Entirely to Amateur Radio*



American Radio Relay League

# Annual Report

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# 2009

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### **About the Cover:**

As the Colorado sun sets gloriously in front of them, Scott Burkhardt, WØKU, and John Maxwell, NØWBW, take down their antennas after the 2009 ARRL June VHF QSO Party in which they attempted to make as many contacts as possible within one weekend. Photo by Scott Taylor, WØKVA.



## A Message from ARRL's President

2009 was a year filled with success for ARRL but, as is always the case, it also contained a number of challenges. The most prominent one is at the heart of Amateur Radio and was the driving force for many people to obtain a license. Emergency communication has been an area where we not only have fulfilled one of our primary purposes but have saved property and, more importantly, lives in pursuit of the desire to serve others that many of us share. Whether the Amateur Radio Service should be primarily an emergency communication service is a topic of intense debate. It is also a topic we must manage effectively in order to remain "amateur" and non-commercial while still providing the same level of public service we have for many years.

In our consideration of ARRL's position regarding the Part 97 rules, we proceed cautiously and, most importantly, fairly to all sides to ensure we remain a separate, unique radio service that won't become absorbed into another service in the future. Amateur Radio has multiple facets and many people obtained their licenses for a wide range of reasons. The impact on all interests must be weighed in any final policy decisions.

It is obvious, contrary to the soap box of the doom and gloom crowd, that interest in Amateur Radio is still in great shape. 2009 was a year where we exceeded our goal of 30,000 new Amateur Radio licenses and the ARRL membership grew right at 1500 members. Even in a year of national economic turmoil, our publication and advertising sales were strong for the year and provided a solid financial result that will allow us to continue to fund a number of initiatives that support and defend the Amateur Radio Service.

We have been very successful on the Hill during this Congress in pursuing our bills, H.R. 2160 in the House and S. 1755 in the Senate. Thanks to the efforts of Chwat & Co., and supportive constituent letters, we have moved the Senate bill forward. Chwat will continue to work daily on the hill to bring these bills to adoption.

Internationally, the new International Amateur Radio Union (IARU) officer team has now been in place for over seven months. This year ARRL attended, with delegate status, the IARU Region 3 conference in Christchurch, New Zealand. It was quite pleasing to see the positive change that has occurred in that region in the three years since their last conference. They now have a very active, productive board and are making improvements in many countries. This is a very positive move in a geographic region where the Amateur Radio Service needs support, and ARRL's efforts must continue as it also benefits our members and radio amateurs in the United States by gaining support for our initiatives at World Radio-communication Conferences.

I cannot emphasize enough the importance of ARRL's role internationally. Until you are directly involved in the international arena you cannot really grasp the respect that ARRL receives from our sister societies for supporting the IARU and leading the work they do. They all recognize it would be impossible without our involvement. Just one example can show why this is also important to radio amateurs here at home. The Amateur Radio Service could have very easily lost much of the 40 meter band at WRC-03 to commercial broadcast or government interests. That would not have set well at all with any radio amateur in the U.S. It was only through the world-wide coordinated effort, led by ARRL, that a successful outcome was produced.

On October 25, 2009, I advised the Board of my decision to retire and the reasons behind it. 27 years of volunteer service to ARRL is a long time. When I began, it was with the thought that when it came time to retire I would recognize it and do so without regret. That time has arrived and I am extremely pleased with what we have done over that time, especially the past four years I have served as President. In my report for the 2006 Annual Meeting, I wrote about the passion I held for Amateur Radio and wireless communication. I still have that passion...it hasn't waned one bit!

I leave with one bit of advice, first shared by our founder, Hiram Percy Maxim:

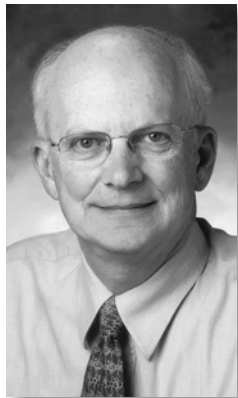
*"And as the last embers of the old pipe turn to grey ash, I ask how it all came about; that the A.R.R.L. should have succeeded and all its opponents failed. The answer is clear. It is because with our opponents there was always some kind of a selfish motive to be served for someone, whereas in our A.R.R.L. we insisted from the beginning that no selfish motive for anybody or anything should ever prevail. Everything that A.R.R.L. undertakes must be 100% for the general good. That policy bred loyalty and confidence. With those two things an organization can prosper forever."*

Respectfully submitted,

Joel Harrison, W5ZN  
President

# Annual Report

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## Annual Report of the Chief Executive Officer for 2009

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

Measured against our expectations at its beginning, 2009 turned out to be an exceptionally good year for the ARRL. Considering the economic tsunami that faced the world as the year began, it is not self-indulgent to savor that success and remind ourselves how it was achieved.

In November 2008 the management team presented the Administration and Finance Committee with an operational plan for 2009 that called for very modest positive net revenue. As the global financial crisis deepened in the weeks that followed, it became clear that we could not count on all of the anticipated revenue. Accordingly, at its meeting the day before the January 2009 Board Meeting, we presented an amended plan that anticipated \$300,000 less revenue and proposed cutbacks in expenditures leading to a break-even result. This was the plan that ultimately was approved by the Board and that staff followed through the year, while paying even closer attention than usual to our monthly financial reports.

When the Board met in July 2009 we were able to take some comfort from the fact that our results were tracking a bit better than expected. Thus, no drastic course corrections were indicated. Considering what was happening in the wider economy, ours was an enviable position and one not to be taken for granted. But two major unknowns loomed in the second half of the year: marketplace acceptance of the dramatically revised and expanded *ARRL Handbook* for 2010 and donor response to the annual fall Spectrum Defense campaign.

As we now know, the *2010 Handbook* is a big hit—the result of its being a quality product as well as of an effective marketing campaign. And while the Spectrum Defense campaign fell a bit short, the results were close enough to what we had expected that the shortfall did not make too much of a dent in the bottom line. Many non-profits—most of which rely more heavily than we do on voluntary contributions—are having a much tougher time holding onto their benefactors. Ultimately we ended 2009 solidly in the black for the year.

The results stem from a team effort involving every member of the staff, whether or not they work in a revenue-generating capacity. Every contact that a member or prospective member has with ARRL personnel, either volunteer or staff, influences their perception of the organization and the likelihood they will join, renew, or contribute above and beyond their membership dues. We cannot be all things to all people nor can we meet every expectation, but the fact that membership has increased for the third year in a row—despite the recession—suggests that we're doing pretty well with most.

As gratifying as the financial results may be, we can be equally proud of the fact that they were achieved without compromising projects that are of critical importance to the ARRL: intensive work on a new Web site and preparations for the 2012 World Radiocommunication Conference.

The ARRL had its successes on the policy front as well:

- The Board's timely action in January calling for the development of a policy on Mobile Amateur Radio Operation led to an exchange of letters in the summer between President Harrison and the head of the National Safety Council that provided support for our legislative efforts to differentiate between unsafe driving practices while using cell phones and the much less risky use of two-way radios by drivers.
- The Board's consideration in July of the need for guidelines to assist amateurs in deciding what is both legal and appropriate in providing communications for non-amateur entities helped considerably in clarifying the issues.
- The United States Senate passed S.1755, the Amateur Radio Emergency Communications Enhancement Act. We ended the year with 32 co-sponsors of the House version, H.R.2160, and with hope that the bill will become law in 2010.

In October President Harrison led a small ARRL delegation to the IARU Region 3 Conference in Christchurch, New Zealand. The ARRL participates in Region 3 in order to represent the interests of amateurs in Guam, the Northern Marianas and American Samoa. In 2010 it is the turn of IARU Region 2 to hold its triennial conference in El Salvador.

*(continued on next page)*



*Joel Harrison has capped a long and distinguished volunteer career with two highly successful terms as ARRL President, and has done so at a relatively young age. I will miss being at Joel's left side during Board and EC meetings, but I know that his passion for Amateur Radio will continue and that our paths will cross on the air and in person for years to come. Joel, well done.*

Right after the Region 3 Conference the IARU Administrative Council met for the first time under the leadership of its new team of officers, including Secretary Rod Stafford who assumed this responsibility from me on October 1. I am pleased to be of continuing service to the Administrative Council as Recording Secretary, returning to the role I played from 1989 to 1999.

We were saddened by the sudden death of ARRL Southeastern Vice Director Sandy Donahue, W4RU, in May. Sandy had just spent a weekend doing what he loved best—representing the ARRL at a convention and spending time with many of his countless friends. We miss him.

I must also note the departure from the Board, in January 2010, of two of the greatest contributors and best friends I have known in my years with the ARRL.

Joel Harrison has capped a long and distinguished volunteer career with two highly successful terms as ARRL President, and has done so at a relatively young age. I will miss being at Joel's left side during Board and EC meetings, but I know that his passion for Amateur Radio will continue and that our paths will cross on the air and in person for years to come. Joel, well done.

Paul Rinaldo has announced that he is not seeking re-election as Chief Technology Officer and so will also be leaving the Board after this meeting. Paul's advice and counsel over the years has been invaluable. No organization can ever replace someone like Paul, who combines unparalleled experience and unusual insight with an exceptional work ethic, but he has been extremely cooperative in helping to develop both staff and volunteers to fill the numerous gaps that his departure will create.

As one chapter ends a new chapter begins. I look forward to continuing to work with the ARRL's remarkable team of volunteers and staff as we build on past success toward an even brighter future for Amateur Radio.

A handwritten signature in cursive script that reads "David Sumner".

David Sumner, K1ZZ  
Chief Executive Officer

# Annual Report

Devoted Entirely to Amateur Radio

## The Year in Review

### ARRL Membership: Supporting Active Radio Amateurs

#### Membership Growth

"Devoted entirely to Amateur Radio" is the beacon that drives ARRL to do its very best for our members. In 2009, a new milestone in recent history was achieved as the organization grew to 156,000 members (156,125 members by December 31). That growth, nearly 1% in 2009 and .7% in 2008, was the result of high levels of member satisfaction, member retention, and an Amateur Radio Service that continues to welcome newcomers to its ranks. New licensees continue to be a significant source of new member acquisition.

Even with continuous increases in costs (inflation, expenses, and cost of living), ARRL worked hard to keep membership dues stable and has not had a regular dues increase since 2001. Despite one of the toughest economic cycles in memory, membership dues were exceptionally strong during the year. Contributing to this success was an emphasis placed on multi-year membership sign-ups and renewals along with an increasing number of support items to help ARRL volunteers and officials represent the organization at hamfests, conventions, club meetings and other events.

#### ARRL Products, Benefits and Services

Simply put, ARRL produces the best Amateur Radio publications on the market. Whether your interest is exploring a new operating mode, feeding your technical know-how, or training for public service—ARRL has more than 400 publications and products to help meet your Amateur Radio goals.

Members also have exclusive access to benefits such as auto and homeowner's insurance sponsored by MetLife, the ARRL Visa Credit Card sponsored by US Bank, and the ARRL "All Risk" Ham Radio Equipment Insurance Plan. These endorsed services provide rewards or discounts to participating ARRL members, and royalties to ARRL.



In 2009, Membership Manager Diane Petrilli, KB1RNF, enjoyed her first full year as an integral part of the Headquarters staff in Newington. According to ARRL Sales and Marketing Manager Bob Inderbitzen, NQ1R, Petrilli has an extensive background working with association members. "She has a great deal of experience in recruiting, working with volunteers and developing member benefits."

#### Visiting ARRL Headquarters

The ARRL staff in Newington, Connecticut are supported by a cadre of volunteers—local members from around the region. Many of these volunteers serve as tour guides for the hundreds of annual guests and groups that visit ARRL Headquarters and the Hiram Percy Maxim Memorial Station, W1AW. Visitors enjoy touring the administrative headquarters building, meeting with ARRL program representatives, and getting on-the-air from the W1AW guest station studios.

"I just wanted to say thanks for your time and hospitality. Having grown up in a ham family and first getting licensed at age 9 back in 1960, Amateur Radio is more than a hobby for me. The ARRL has been an influence and a part of my life for 49 years." **ARRL Member Earl Brinson, K4BSK**

"Thank you for a wonderful time and two great tour guides. I got a chance to see some of those things I have only read about in the past. It was fun to talk with people that have the same love of ham radio that I have." **ARRL Member Stewart Nelson, KD5LBE**



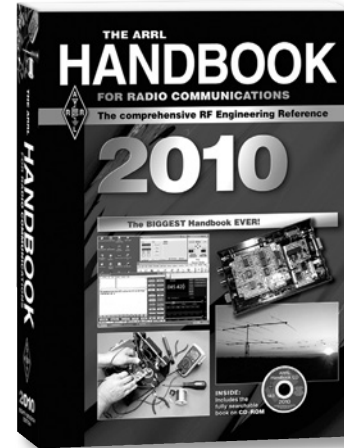
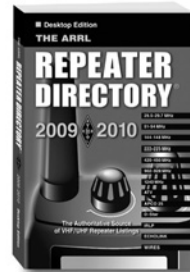
Membership Manager Diane Petrilli, KB1RNF, hosted a "thank you" luncheon in Newington, Connecticut on November 11, 2009 for our dedicated HQ-based volunteers. ARRL Chief Operating Officer Harold Kramer, WJ1B, praised the loyal volunteers: "Our volunteers donate hundreds of hours per year. The passion for Amateur Radio and the ARRL is very evident. We are grateful to have such a dedicated group of volunteers who are willing to give their time and energy to the League."



## ARRL Publications—Something for Every Ham

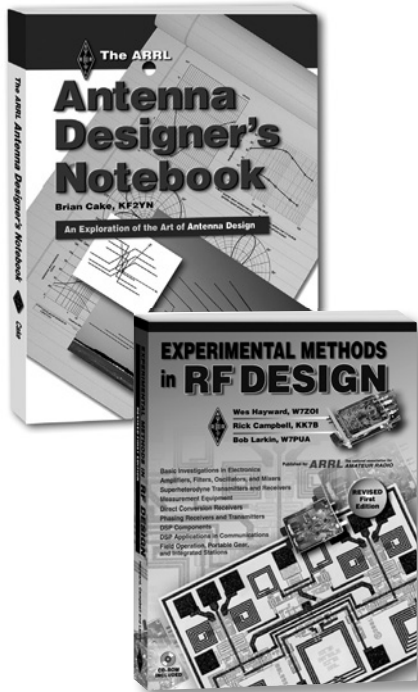
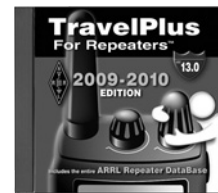
ARRL provides the highest quality Amateur Radio publications—journals, license manuals, books, software, and educational courses. The following publications were introduced in 2009:

- The ARRL Repeater Directory—2009/2010 Edition
- TravelPlus for Repeaters CD-ROM—Version 13.0
- The 2010 ARRL Handbook for Radio Communications
- 2009 ARRL Amateur Radio Calendar
- 2008 ARRL Periodicals CD-ROM
- The Antenna Designer's Notebook
- ARRL Software Library CD-ROM—Version 3.0
- VoIP and Amateur Radio—2nd Edition
- Experimental Methods in RF Design—Revised Edition
- DXCC Yearbook



The 2010 ARRL Handbook for Radio Communications, with more than 60 authors and reviewers contributing over 70 percent of new or completely revised content, is ARRL's biggest edition ever. Major additional publication releases were *The ARRL Antenna Designer's Notebook*, *Glover's Pocket Ref*, and the *International QRP Collection* published by the Radio Society of Great Britain.

ARRL expanded further into digital publishing with the introduction of its first e-publications for use on the Kindle, Amazon's wireless reading device. ARRL also established agreements for a suite of Amateur Radio practice exam software programs for use with the iPhone and iPod Touch.



## ARRL News: Keeping Members Informed

### *The ARRL Letter*

Sent at no charge via e-mail 50 times each year to the more than 80,000 ARRL members who elect to receive it, *The ARRL Letter* is the standard bearer for current Amateur Radio news. *The Letter* offers an 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 Web Site

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. A monthly digest, "ARRL in Action," summarizes the previous month's ARRL activities on behalf of its members.

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# Annual Report Devoted Entirely to Amateur Radio

## 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 "This Just In," "Public Service," "Amateur Radio World," "How's DX?" "Eclectic Technology," "Media Hits," "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.

## ARRL/W1AW Bulletins

The 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.

## Periodicals

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

**QST** Again this year, a number of design and editorial improvements helped keep *QST*, the ARRL membership journal, fresh and interesting. There were five well-received special issues: Do-It-Yourself projects in January, Antennas in March, Field Day in June, Emergency Communications in September and Radiosport in October.

We continue to survey the readership several times a year, providing the editors with a clearer understanding of our members' preferences.

**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. *QEX* carried an exciting array of projects and technical articles for our readers. Circulation held steady throughout 2009, ending the year at more than 7000 subscribers.

**NCJ** At year end, Al Dewey, KØAD, completed his second year as editor of the *National Contest Journal*, which is published six times a year. The NCJ-sponsored North American QSO Parties and North American Sprints continue to be very popular among contesters.

*In addition to a wide variety of books, CDs and software, ARRL publishes three periodicals, QST, QEX and NCJ. QST is published monthly. QEX and NCJ are bi-monthly publications.*

### W1AW Schedule

W1AW's schedule is at the same local time throughout the year. From the second Sunday in March to the first Sunday in November, UTC = Eastern US Time + 4 hours. For the rest of the year, UTC = Eastern US Time + 5 hours.

MON	TUE	WED	THU	FRI	SAT	SUN
7 AM	7 AM	7 AM	7 AM	7 AM	7 AM	7 AM
10 AM	10 AM	10 AM	10 AM	10 AM	10 AM	10 AM
13 AM	13 AM	13 AM	13 AM	13 AM	13 AM	13 AM
15 AM	15 AM	15 AM	15 AM	15 AM	15 AM	15 AM
18 AM	18 AM	18 AM	18 AM	18 AM	18 AM	18 AM
20 AM	20 AM	20 AM	20 AM	20 AM	20 AM	20 AM
22 AM	22 AM	22 AM	22 AM	22 AM	22 AM	22 AM
25 AM	25 AM	25 AM	25 AM	25 AM	25 AM	25 AM
28 AM	28 AM	28 AM	28 AM	28 AM	28 AM	28 AM
30 AM	30 AM	30 AM	30 AM	30 AM	30 AM	30 AM
35 AM	35 AM	35 AM	35 AM	35 AM	35 AM	35 AM
40 AM	40 AM	40 AM	40 AM	40 AM	40 AM	40 AM
45 AM	45 AM	45 AM	45 AM	45 AM	45 AM	45 AM
50 AM	50 AM	50 AM	50 AM	50 AM	50 AM	50 AM
55 AM	55 AM	55 AM	55 AM	55 AM	55 AM	55 AM
60 AM	60 AM	60 AM	60 AM	60 AM	60 AM	60 AM
65 AM	65 AM	65 AM	65 AM	65 AM	65 AM	65 AM
70 AM	70 AM	70 AM	70 AM	70 AM	70 AM	70 AM
75 AM	75 AM	75 AM	75 AM	75 AM	75 AM	75 AM
80 AM	80 AM	80 AM	80 AM	80 AM	80 AM	80 AM
85 AM	85 AM	85 AM	85 AM	85 AM	85 AM	85 AM
90 AM	90 AM	90 AM	90 AM	90 AM	90 AM	90 AM
95 AM	95 AM	95 AM	95 AM	95 AM	95 AM	95 AM
100 AM	100 AM	100 AM	100 AM	100 AM	100 AM	100 AM

ARRL amateur license or a photocopy. In a communication emergency, monitor W1AW for special bulletins as follows: voice on the hour, teleprinter at 15 minutes past the hour, and closed on (Feb. 19), (20), (21), (22), (23), (24), (25), (26), (27), (28), (29), (30), (31), (Nov 22-23), and (Dec. 24-25). <http://www.arrl.org/w1aw.html>

### HAPPENINGS

#### ARRL Announces New Youth Editor

ARRL has announced the appointment of a new youth editor for the magazine. The new editor, Matt Lachar, is a 17-year-old amateur radio operator from the Florida Tech. Matt Lachar has been active in amateur radio since he was 10 years old. He has worked for the ARRL as a youth editor for several years and has been a member of the ARRL since he was 10 years old. He has worked for the ARRL as a youth editor for several years and has been a member of the ARRL since he was 10 years old. He has worked for the ARRL as a youth editor for several years and has been a member of the ARRL since he was 10 years old.

**QST** ANNUAL ANTENNA ISSUE

- 48 Analog HP-FM Receivers for the Amateur
- 49 High-Frequency Power Supplies from NCJ, QEX, and NCJ
- 50 Build a Multiband Beam with Wide-Band Performance
- 51 Save Money with Zip Card Antennas
- 57 Getting on 160 from an Antarctic Island
- 67 Launch Your Wire Antenna with a Spottron

Visit the ARRL Web at [www.arrl.org](http://www.arrl.org)

**NCJ** NATIONAL CONTEST JOURNAL

November/December 2009

- Caring for Contesters' Health
- Staying Heart Healthy During Contesting
- Contest Nutrition
- NAZK Goes Ergonomic
- Distribution of Ground Losses in Vertical Antenna Systems
- Results: July 2009 NAQP RTTY
- Results: 2009 NS Sprint Ladder

Visit the NCJ Web at [www.ncjweb.com](http://www.ncjweb.com)





*After a banner year for ARRL operating activities in 2008, when 2009's participation levels even surpassed that record, it was exciting. Contesting continues to gain in popularity and contest submissions climbed to 23,574 entries in 2009—an increase of 3,000 over 2008, led by nearly 6,000 entries in the DX contest.*



## Membership and Volunteer Programs

### Awards and Operating

2009's low-sunspot radio conditions continued the trend of the last few years—spectacular low band radio propagation and little to no high band opportunities. After a banner year for ARRL operating activities in 2008, when 2009's participation levels even surpassed that record, it was exciting. Contesting continues to gain in popularity and contest submissions climbed to 23,574 entries in 2009—an increase of 3000 over 2008, led by nearly 6000 entries in the DX contest.

DXCC and ARRL's operating awards continued to see increases in participation with nearly 7900 DXCC applications received over the year—another solid increase over the previous year. As for 2008, much of the interest in DXCC and ARRL's Worked All States (WAS) award can once again be attributed to ARRL's Logbook of the World (LoTW) online QSO confirmation system, which links directly into those two awards. More than 270 million contacts have been loaded by more than 31,500 individual users into LoTW! The use of the traditional QSL Bureau for paper cards has continued to be a popular member benefit with 673,500 QSLs sent from ARRL HQ to Bureaus around the world in 2009.

### ARRL Field Organization / Public Service

ARRL staff covered meetings and events all over the country in 2009, paying particular attention to regional emergency communications gatherings as well as industry and association meetings. Interest in public service and emergency communications remain very high, and Amateur Radio Emergency Service (ARES®) groups performed well throughout activations across the country. The ARRL's ARES E-letter has a growing subscription base that numbers over 37,300, continuing a year-over-year increase of about 10 percent.



The Field Organization Team hosted 12 Section Managers for training at HQ—11 of them new to the job as they started their first terms as Section Managers. The Team also coordinated and participated in teleconferences with the leaders of sections across the entire nation over the last year and a half.

### Affiliated Club Activity

There are now 2147 active affiliated clubs, up from 2094 at the end of 2008. Clubs continue to be the point of contact for many new amateurs with more than half of the clubs offering mentor services.

Newer technology will allow for improved benefits for ARRL affiliated clubs. 2010's launch of a new ARRL Web site will allow us to offer clubs modern tools to help them promote Amateur Radio and retain members. Based upon feedback from club officers, the ARRL liability insurance program continues to be the most valued benefit to clubs.

More clubs are publishing newsletters; however, the majority of clubs indicate that the electronic newsletter is more popular than the printed page. Approximately two thirds of the clubs have their own Web page on the Internet and more clubs are using the ARRL.net e-mail forwarding address service.

The Section Manager Workshop, held September 25-27, 2009, gathered 12 newly elected SMs to visit ARRL Headquarters. The participants met many headquarters staff members and shared ideas to provide basic administrative, management, leadership and motivational training, becoming effective leaders for the hundreds of volunteers in their areas.

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## W1AW

W1AW participated in the following operating events in 2009:

- North American SSB QSO Party
- CQ World Wide 160 Meter CW Contest
- North American RTTY QSO Party
- CQ 160 Meter SSB Contest
- IARU Global SET
- New England QSO Party
- ARRL Field Day
- Hiram Percy Maxim 140th Birthday Celebration
- ARRL November CW Sweepstakes
- ARRL November Phone Sweepstakes
- ARRL 10 Meter Contest

*W1AW is the  
flagship station of  
the ARRL and serves  
the world with  
information, bulletins  
and friendly  
radio contacts.*

XX Towers Inc performed antenna/tower work at W1AW in May, installing new Az-El rotators on the Satellite tower; a new NOAA-x satellite turnstile antenna on the North tower and a side-arm atop the 120 foot tower for use in temporarily running wire verticals up this tower.

Station call sign W1AW/8 was in use during the 2009 ARRL National Convention /Dayton Hamvention®; W1AW/Ø from the 2009 Rocky Mountain Division Convention and W1AW/7 from the Southwestern Division Convention. W1AW/KL7 was in use during the 2009 IARU HF Championship.

An IRLP node (node #4292) for W1AW was installed and became active in May. This node, while generally active during visitor operating times, is primarily in use for any possible emergency communications access.

A "W1AW Digital Listener" Zoomerang survey was sent out to just under 10,000 ARRL members in March. The survey dealt with the W1AW digital broadcast transmissions. The hope was that the results would give a better idea as to which digital modes (PSK31, MT63, etc.) W1AW should incorporate into its broadcast schedule. The results of the survey demonstrate an overall desire to drop AMTOR and ASCII and incorporate BPSK31 and MFSK16 as "new" modes. Baudot would still be part of the digital lineup. In light of the survey results, on August 17, W1AW discontinued the transmission of AMTOR and ASCII bulletins and replaced them with BPSK31 and MFSK16.

A new Yaesu FTdx9000D H/VHF transceiver was donated by Yaesu in January.

The carpeting in the lower level of W1AW was replaced after 20+ years.

A Summer Frequency Measuring Test was held on Wednesday, July 1 at 9:45 PM EDT, and an Autumn Frequency Measuring Test was held on Wednesday, November 11 at 9:45 PM EST. The November W1AW FMT is the last one W1AW will transmit. Support for other FMT stations will continue.

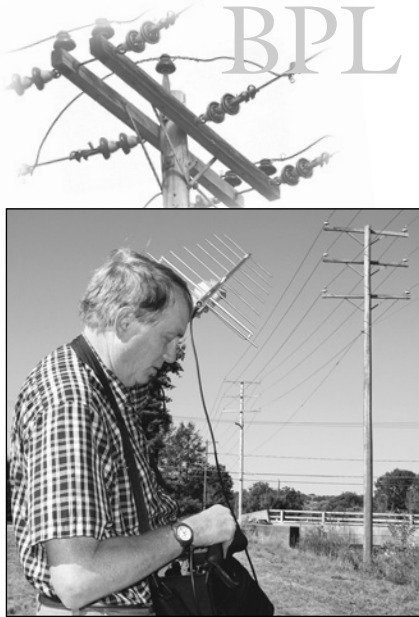
W1AW sent a total of 258 bulletins in 2009.



W1AW Station Manager Joe Carcia, NJ1Q, working on a project at his W1AW workshop.

One of the towers at W1AW, shown below.





ARRL's RFI engineer, Mike Gruber, W1MG

*Mike Gruber, W1MG, ARRL's RFI engineer, helps amateurs across the country address power-line noise and other RFI problems. Mike manages ARRL's cooperative program with the FCC, helping the FCC target its RFI-related enforcement activities more efficiently by working directly with amateurs and electric utilities to solve many power-line noise problems.*



ARRL's test engineer, Bob Allison, WB1GCM

## ARRL Lab Provides Technical Support to Members and Industry

The ARRL Laboratory has continued to serve as a major technical resource in the ARRL's defense of spectrum. This year, the Lab provided significant input for ARRL's filings in the Broadband over Powerline (BPL) rulemaking that the FCC opened in response to ARRL's winning a remand of the BPL rules. The Lab also reports that BPL continues to be implemented in rural areas, with the system in central Virginia now the subject of interference reports. ARRL Laboratory Manager Ed Hare, W1RFI, is also a member of an IEEE Electromagnetic Compatibility (EMC) Society Task Group working on bringing awareness of EMC issues into the development of IEEE standards for smart-grid technology.

The Lab has also been an important part of ARRL's efforts to work cooperatively with industry on electromagnetic compatibility (EMC). Ed continues to serve on the IEEE EMC Society's Standards Development Committee (SDCom) as Secretary; the P1775 BPL EMC Working Group; the ANSI accredited C63<sup>®</sup> EMC standards committee and other industry groups addressing all types of EMC issues. This contact with mainstream industry and technology as an active participant helps ensure that Amateur Radio continues to provide a technical resource to our technical society.

Mike Gruber, W1MG, ARRL's RFI engineer, helps amateurs across the country address power-line noise and other RFI problems. Mike manages ARRL's cooperative program with the FCC, helping the FCC target its RFI-related enforcement activities more efficiently by working directly with amateurs and electric utilities to solve many power-line noise problems.

Progress was also made towards developing an IEEE Recommended Practice on the resolution of power-line noise complaints. At its November 2009 meeting, the IEEE SDCom voted to approve sending a Project Authorization Request to the IEEE, pending coordination with the IEEE Power and Energy Society. This coordination is still in progress. This Practice will offer guidance to electric utilities on the way to set up procedures to respond to their customers' complaints about radio and television interference. The Working Group for this is being formed, with heavy representation from the utility industry.

Mike also reports that a new edition of the *ARRL RFI Book* was completed. Many chapters in this book were extensively revised, with significant new material added to the Computer and Automotive chapters.

ARRL's test engineer, Bob Allison, WB1GCM, was kept busy in ARRL's shielded test room. He tested 27 items for the QST "Product Review" column, including two software-defined transceivers. This valuable membership benefit not only helps members use test results to help select a radio, it is also often used by equipment manufacturers to improve their products. Bob also wrote sidebars for the reviews, documenting improvements the ARRL Lab has made in its testing procedures. The Lab also continues to work with a panel of volunteer testing experts, helping to develop and document a new and better way to test intermodulation in software-defined radios, as an example. Bob was also busy writing other articles, and is co-authoring an article on open-wire line losses.

This year the Lab also participated heavily in the ARRL National Convention in Dayton, OH. The busiest place in the ARRL EXPO was definitely the kit building area. Led by ARRL Test Engineer Bob Allison, WB1GCM, with assistance from QEX Editor Larry Wolfgang, WR1B; Mark Spencer, WA8SME; Nathan McCray, K9CPO; Bob Gold, W0KIZ, and Scott Cowling, WA2DFI, students sat down in front of a circuit board and soldering iron to build either a 24 hour clock or electronic keyer. People of all ages, including a large number of kids, were involved in the construction.

ARRL members looked to the Technical Information Service (TIS) for help with a wide variety of technical issues. Under the leadership of Zack Lau, W1VT, ARRL's Senior

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Laboratory Engineer, TIS staff provided assistance via telephone and e-mail, and also directed members to an impressive collection of online resources. As ARRL was gearing up to the planned launch of its new Web page in 2010, the Lab staff updated many of the existing Technology pages.

## ARRL Educational Services

### Licensing and Instruction

No new revisions of license question pools were released in 2009, allowing ARRL to focus some resources to add a supplement on "Choosing a Radio" to our Technician license instruction manual, *The ARRL Ham Radio License Manual*. This supplement was developed to guide new licensees in assessing their needs and interests and help them in the decision-making process of selecting suitable radio equipment.

### Continuing Education

With the suspension of several courses that became dated, total enrollments declined to just over 1400 in 2009, down almost 35% from 2008. We revised our RF Propagation course and began development of a new emergency communications course for radio amateurs who are involved in leadership roles in emergency response, "Public Service and Emergency Communications Management for Radio Amateurs." It will be released online on the new ARRL Web site in early 2010 where it will be accessible to any ARRL member.

## Educational Outreach

### Education & Technology Program (ETP)

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 program is one of the grant offerings within the Education & Technology Program portfolio of resources made available to schools and school teachers to advance the integration of wireless technology literacy and ham radio into school curricula. The ETP is possible only because of the generous donations of individuals and clubs who share in the passion of ham radio.

In 2009 we offered 8 Teachers Institute seminars with 94 teachers from 29 states. Seminars were held in Arizona, California, Florida, Ohio, New Mexico, Michigan and at ARRL headquarters in Newington, Connecticut. Also in 2009 we piloted an advanced TI-2 workshop that focused on the topic of satellite communications. This seminar was offered to prior graduates of the foundational Teachers Institute workshop.

TI-2 focused on assembling and integrating the equipment and software required to set up a satellite earth ground station and how to operate the ground station to communicate with other hams via ham radio satellites. Participants also learned how to intercept, copy, decode, interpret and use satellite telemetry in the classroom. A new curriculum was introduced that prepares teachers to participate in the Amateur Radio on the International Space Station (ARISS) program, play a more active role in the preparations for the ARISS contact (station assembly and use) and in the execution of an ARISS contact. The curriculum allows teachers to develop a full portfolio of space-related activities. Each inaugural participant successfully copied and interpreted telemetry sent from numerous CubeSat satellites.

A CubeSat Simulator, a resource that will soon be made available to schools through the ETP grant program, was unveiled at the TI-2. It allows teachers to simulate satellite operations in either binary format or Morse code to better prepare students for "live" telemetry transmissions from space craft.

During 2009, we provided grants of radio station equipment, software and other instructional materials to 22 schools to support their classroom use of Amateur Radio as a tool for learning.



Josh, K16PJW, and Blair, K16PJX, students at Granite Bay Montessori School are working on a circuit to turn a handheld transceiver into a hidden transmitter.

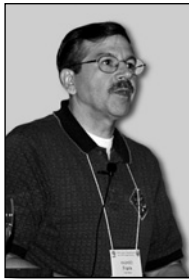
*In 2009 we offered 8 Teachers Institute seminars with 94 teachers from 29 states. Seminars were held in Arizona, California, Florida, Ohio, New Mexico, Michigan and at ARRL headquarters in Newington, Connecticut. Also in 2009 we piloted an advanced TI-2 workshop that focused on the topic of satellite communications. This seminar was offered to prior graduates of the foundational Teachers Institute workshop.*



Miguel Enriquez, KD7RPP, and Jim Fitzgerald, KC8WWJ, making last minute adjustments to prepare their station for the next AO-51 satellite pass.



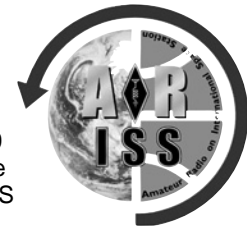
Astronaut Owen Garriott, W5LFL, (seen at right) and son Richard Garriott, W5KWQ, (left), space tourist—visited with ARRL Honorary Vice President Frank Butler, W4RH, at Dayton. Frank has worked with NASA and AMSAT, coordinating our space communications for many years.



Outgoing ARISS International Chairman Frank Bauer, KA3HDO, was honored for his extraordinary service..

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

119 schools worldwide sponsored educational activities revolving around an ARISS Amateur Radio contact with astronauts aboard the ISS—an all time record for the ARISS program. Twenty-one of the 119 schools were US schools. A total of 517 schools have now had educational experiences related to an ARISS QSO since the ISS was inhabited.



In November, ISS crew installed new ARISS VHF/UHF antennas on the ISS *Columbus* module. Once an onboard radio is moved to the *Columbus* module, astronauts will have another Amateur Radio operating station. ARISS team members designed a 6-sided square satellite, called ARISSat-1 that will be deployed by astronauts in 2010. Students at the College of New Jersey (Trenton) participated in the development of the satellite, State University of New York-Binghamton (SUNY) did systems engineering research, and a second SUNY group studied how to deploy solar panels and integrate them with power supplies.

The ARISS program experienced some leadership changes in 2009. In March, Frank Bauer, KA3HDO, stepped down as US ARISS Program Representative and ARISS Chairman. Gaston Bertels, ON4WF, was elected to the leadership role. In recognition of his extraordinary service to the program, ARRL presented Bauer with the ARRL President's Award at the 2009 ARRL National Convention at Dayton Hamvention, where he was also inducted into the CQ 2009 Hall of Fame.

## ARRL VEC

### ARRL Supports Amateur Radio Licensing 2009 Sees Surge of New Amateur Radio Licensees

2009 was a banner year for new Amateur Radio licensees. A high level of exam session activity has produced an elevated influx of new applications, far outpacing recent years. In 2009, a total of 30,144 new licenses were granted, an increase of almost 7.5 percent from 2008. In 2005, 16,368 new hams joined Amateur Radio's ranks; just five years later, that number had increased by almost 14,000—a whopping 84 percent!



In 2009, the FCC issued more than 30,000 new Amateur Radio licenses. When looking at the statistics over the last 10 years, these are some of the highest numbers we've seen. At year end, there are 682,500 licensed Amateur Radio operators in the US, an almost 3 percent rise over 2008. In 2008, there were 663,500 licensed amateurs; there were 655,800 in 2007. Additionally, our total number of licensees across all three classes has grown each year. Broken down by license class, at the end of 2009 there were 17,084 Novices, 334,245 Technicians, 150,970 Generals, 60,795 Advanced and 119,403 Amateur Extra licensees.

ARRL VEC is by far the largest of the 14 Volunteer Examiner Coordinator (VEC) groups in the country, coordinating approximately 70% of all Amateur Radio exams. We have been busy meeting the needs of the Amateur Radio community by helping people to become radio amateurs or upgrade their existing license. In 2009, 34,757 applicants were served at 6369 sessions.

ARRL VEC continues to participate as a member of the National Conference of VECs Question Pool Committee. The five member committee prepared for release a revised Technician class question pool (Element 2) for examination use by the Amateur Community beginning July 1, 2010.

As one of three FCC-authorized Club Station Call Sign Administrators, ARRL VEC processed and transmitted over 1200 club licenses for the FCC in 2009. ARRL is

NEW FCC LICENSES ISSUED 2005 THROUGH 2009					
Year	2005	2006	2007	2008	2009
Jan	876	1,274	1,647	1,755	1,960
Feb	1,357	1,605	2,435	2,998	2,263
Mar	1,705	2,531	3,478	2,816	3,463
Apr	1,486	1,728	2,673	3,090	3,430
May	1,651	2,283	2,607	2,562	2,717
Jun	1,493	1,967	2,281	2,402	3,011
Jul	906	1,401	1,786	2,077	2,220
Aug	1,500	1,623	2,183	2,084	2,102
Sep	1,139	1,357	1,462	1,763	2,116
Oct	1,385	1,781	2,109	2,303	2,404
Nov	1,540	1,993	2,132	2,197	2,344
Dec	1,330	1,569	1,935	2,019	2,114
<b>Totals</b>	<b>16,368</b>	<b>21,112</b>	<b>26,728</b>	<b>28,066</b>	<b>30,144</b>

*In 2009, the FCC issued more than 30,000 new Amateur Radio licenses—an almost 7.5 percent increase in the number of new licenses issued in 2008.*

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also one of five FCC-authorized 1x1 Special Event Call Sign Coordinators and has processed nearly 90% of the 6500 Special Events authorized and documented in the NCVEC 1x1 data base since the program's inception in September 1997.

We have issued or renewed 1274 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 nearly 4300 address changes and license renewals for ARRL members in 2009. This service to members continues to be a strong draw.

ARRL VEC introduced the VE Honor Roll in September 2007 QST. The honor roll recognizes the top 25 ARRL VEs according to the total number of exam sessions they have participated in since their accreditation. It runs quarterly in September, December, March and June.

The number of amateurs who want to be Volunteer Examiners and who want to teach Amateur Radio classes is also going up—we've seen a spike in the number of applications from General and Extra class radio amateurs who want to give back to their community by serving as ARRL examiners and instructors.

2009 was a very good year for Amateur Radio growth!

## Advocacy

The ARRL advocates on behalf of Amateur Radio to the general public, the Federal Communications Commission (FCC), and the executive and legislative branches of the federal government. Internationally we work through the International Amateur Radio Union (IARU) to ensure that the interests of Amateur Radio are protected at the International Telecommunication Union and regional telecommunications organizations. The ARRL field organization addresses legislative and regulatory challenges at the state and local levels.

## Legislative

On April 29 the Amateur Radio Emergency Communications Enhancement Act of 2009, H.R. 2160, was introduced in the House by Rep. Sheila Jackson-Lee of Texas and five original co-sponsors. By year's end they had been joined by 27 additional co-sponsors but the bill had not moved through the Committee on Energy and Commerce. On the Senate side, on October 6 a similar bill was introduced as S. 1755 by Senators Joseph Lieberman of Connecticut and Susan Collins of Maine. S. 1755 was referred to the Committee on Homeland Security and Governmental Affairs where its two sponsors are the Chairman and Ranking Member. The bill moved quickly through the committee and the full Senate, where it passed by unanimous consent on December 14. At yearend S. 1755 was awaiting consideration in the House Committee on Energy and Commerce. If signed into law, the bill will instruct the Secretary of Homeland Security to undertake a study, and report its findings to Congress within 180 days, on the uses and capabilities of Amateur Radio communications in emergencies and disaster relief. Among other things, the study would identify unreasonable or unnecessary impediments to enhanced Amateur Radio communications, such as the effects of private land use regulations on residential antenna installations, and make recommendations regarding such impediments.

Distracted driving has become a serious public safety issue because of rapid growth in the use of handheld text messaging devices. Radio amateurs have been operating while driving for decades without posing a threat to public safety, but some proposed legislative remedies do not properly distinguish between different kinds of telecommunications devices. At its January 2009 meeting the ARRL Board of Directors recognized the need for a policy statement on the issue, and the Executive Committee adopted one just two weeks later. The ARRL Policy Statement on Mobile Amateur  
*(continued on next page)*

*ARRL VEC also processed and transmitted electronically to the FCC nearly 4300 address changes and license renewals for ARRL Members in 2009.*

*This service to members continues to be a strong draw.*



VEC Service Representative China Chaney files license renewals and address changes with the FCC databases.

*The ARRL field organization addresses legislative and regulatory challenges at the state and local levels.*



On May 7, 2009, ARRL Chief Executive Officer David Sumner, K1ZZ, visited with representative Sheila Jackson-Lee (D-TX) to thank her for sponsoring HR 2160.



Delta Division Vice Director David Norris, K5UZ (far left), and Delta Division Director Mickey Cox, K5MC (far right), meet with ARRL CEO David Sumner, K1ZZ, and ARRL President Joel Harrison, W5ZN, during Director Orientation at ARRL HQ.

#### *ARRL aids FCC in DTV conversion information*

*Responding to the FCC's request for help with the digital TV conversion, initially scheduled for February 17, ARRL and Amateur Radio gave assistance in early 2009 by providing information for local residents making the conversions. By using call-in phone numbers for questions, making presentations in meetings and displays in shopping areas, the hams aided their communities with DTV conversion questions wherever they could.*

Radio Operation has proved to be very useful in explaining the issue to legislators at both the federal and state levels. In August, in response to a letter from ARRL President Joel Harrison, W5ZN, the President and CEO of the National Safety Council wrote to confirm that the NSC does not support legislative bans or prohibitions on the use of amateur and other two-way radios by drivers since there is no evidence that their use poses a significant risk.

#### Federal Communications Commission (FCC)

The arrival of a new administration in Washington meant the unlamented departure of FCC Chairman Kevin Martin. The logjam that had been created by the outgoing chairman's management style began to clear almost immediately, although it will take a long time for a full recovery.

In January Laura Smith was named to fill the vacancy in Amateur Radio enforcement that had existed since the retirement of Riley Hollingsworth the previous July.

A policy issue that occupied a great deal of attention during the year was the use of Amateur Radio communications on behalf of an employer, which of course is prohibited in most cases. Acting on an instruction from the ARRL Board, an ad hoc committee headed by First Vice President Kay Craigie, N3KN, developed guidelines on the appropriate use of Amateur Radio on behalf of non-amateur entities. The guidelines were reviewed and adopted by the Executive Committee and ultimately by the Board. In October the FCC announced a policy under which government entities may request waivers to permit amateurs to communicate on behalf of their employers during government-sponsored training exercises. An FCC rulemaking proceeding on the issue is expected early in 2010.

In November a *Notice of Proposed Rule Making (NPRM)* was released that addresses vanity and club station call sign issues. ARRL positions on the proposals contained in the NPRM will be formulated early in 2010.

#### International Telecommunication Union (ITU)

The ARRL is participating fully in domestic preparations for the 2012 World Radiocommunication Conference (WRC-12) on those issues of potential concern to Amateur Radio. Jon Siverling, WB3ERA of the Technical Relations Office, serves as Vice-chair of Informal Working Group 2 (Terrestrial Services) of the FCC's WRC-12 Advisory Committee.

Telecom World 2009, a major telecommunications exhibition sponsored by the ITU, was held in Geneva in October. The IARU was provided free exhibit space. The ARRL Technical Relations Office organized the IARU stand, which was staffed principally by volunteers. While Telecom World 2009 was not as large as previous World Telecoms, the IARU stand was a success and attracted visitors from many countries including ITU Secretary-General Dr. Hamadoun Touré, HB9EHT.

#### International Amateur Radio Union (IARU)

The IARU gained new officers during 2009. Vice President Tim Ellam, VE6SH, moved up to President in May, replacing retiring President Larry Price, W4RA. At the same time, Ole Garpestad, LA2RR, became Vice President. On October 1 ARRL International Affairs Vice President Rod Stafford, W6ROD, took over as IARU Secretary; Rod will retire from the ARRL Board in January 2010 but we are fortunate that he will remain involved in this new role.

IARU Region 3 held its triennial conference in Christchurch, New Zealand during October. The ARRL represents the amateurs of Guam, the Northern Mariana Islands, and American Samoa in IARU Region 3. A small ARRL delegation headed by President Harrison attended the conference, which was hosted ably by the New Zealand Association of Radio Transmitters.

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The IARU membership grew by three during 2009 with the admission of member-societies representing the United Arab Emirates, Kazakhstan and Congo (Brazzaville).

World Amateur Radio Day was celebrated on April 18 with the theme, Amateur Radio: Your Resource in Disaster and Emergency Communication.

## Regulatory Information Branch

2009 was a busy year on the Regulatory front. On January 20, Laura Smith assumed her duties as the new FCC Special Counsel handling Amateur Radio issues, replacing Riley Hollingsworth who had retired the previous year. Smith has been active in addressing numerous issues, especially power line noise complaints, and has continued on the foundation laid during Hollingsworth's 10 years on the job.

In the spring, the FCC raised the issue of businesses and agencies seeking to use the amateur frequencies as substitutes for more appropriate land mobile or Part 90 allocations. This issue became the focus for numerous discussions and in September, the ARRL Board adopted a statement entitled "Commercialization of Amateur Radio: The Rules, The Risks, The Issues" encouraging amateurs to study the issue and make rational, reasoned decisions concerning the appropriate uses of our bands. In October, the FCC issued DA 09-2259 entitled "Amateur Service Communications During Government Disaster Drills"—a public notice to help clarify the rules and to educate the amateur community on the procedures for requesting a rules waiver for special circumstances.

The Regulatory Information Branch (RIB) also continues to be a primary conduit of international information for amateurs traveling to the US as well as US amateurs traveling abroad. Working together with the ARRL's Washington Office, the FCC issued DA 09-2031, the updated Public Notice for US Amateur Extra and Advanced class licensees wishing to operate under CEPT authorization in Europe. In addition, the US State Department accepted the CEPT ECC Recommendation (05)06 that allows US General class licensees limited operating privileges in certain European countries.

## Public Relations

Media relations and the promotion of Amateur Radio fell into three main activities in 2009: providing professional level promotional materials to our Public Information Officers, providing them training to increase their activity and success, and direct outreach to media.

A new video public service announcement (PSA) was created highlighting the "hands on" learning opportunities of Amateur Radio and how many careers in electronics got their start. It was made available for the first time in HD-TV level formatting. Notable articles on Amateur Radio technologies appeared in the *Linux Journal*, *Make Magazine*, *The Homeland Security Newsletter*, multiple online blogs, Hewlett Packard's *Real Life*, TUAW, Hack5.org, and *ComputerWorld*. There was even a mention in *Popular Mechanics*. Personal quotes were given to writers and appeared in many more publications. Two "ARRL Field Day" experimental videos also emphasized our technological side. They were kept as small "viral" files and successfully used with emails and on Web sites, providing additional action video clips for 2009 Field Day. "Talk on a Disk," the CD resource containing materials for speakers' presentations before groups, was updated to also contain a full presentation (with audio and video) on Amateur Radio technologies. *Talk on a Disk* remains a

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FCC Special Counsel for Amateur Radio Enforcement Laura Smith gets on the air at W1AW/8. Jerry Bodey, N8OWV, served as Control Operator.

*In October, the FCC issued DA 09-2259 entitled "Amateur Service Communications During Government Disaster Drills"—a public notice to help clarify the rules and to educate the amateur community on the procedures for requesting a rules waiver for special circumstances.*



A WRTV (ABC 6) cameraman shoots one of the ARRL brochures on Amateur Radio as Eric Eilers, K9ZX, operates a Yaesu FT-897 during Field Day 2009 in Noblesville, Indiana. (Photo by Ron Sans, WA4EZF).





very highly requested, free aid to people promoting Amateur Radio in their home areas. The oldest of the trio of PR campaign websites, [www.Hello-Radio.org](http://www.Hello-Radio.org) was given a major update and improved graphics.

In addition to providing professional level presentation tools, the second goal was to increase the skills of the PIOs and presenters themselves. 2009 was the launch of PR-101, a course to train ARRL PIOs in the basic skills of public relations. The interactive course debuted at Dayton in May 2009 and student feedback has been very positive. Volunteer Public Information Officers were also supported through an updated *CONTACT!*—the monthly news page for PIOs. The PR email reflector continues to provide a forum for recipients together with pages on the current PIO section of the [www.ARRL.org](http://www.ARRL.org) Web site.

Direct approaches to media were also very successful. For example, Field Day resulted in far more media hits than usual. We noted a heavy use of our wire releases, often in parts and quotes, by papers and blogs that took pieces and added their own surrounding text. The Field Day logo and captions even appeared on the Reuters news billboard in Times Square and Las Vegas. There were 28 state level proclamations supporting Field Day and/or Amateur Radio Week in addition to cities and counties.



Allen Pitts, W1AGP, and Major Jeff Hammer, N9NIC, spread the story of Amateur Radio around the world through international short-wave radio in a live broadcast from the 2009 Dayton Hamvention®.



Amateur Radio operator Bob Wargo Jr, KC0WCO, of the Arrowhead Amateur Radio Club, is one of many hams around the country who provide communications at marathons and many other events.



Twenty state proclamations were received by hams in 2009, supporting Amateur Radio Field Day and our history of community service.



ARRL keeps track of all sorts of media hits about Amateur Radio, but had to start a new category when the Media and PR Department achieved a lighted billboard in New York's Times Square and another in Las Vegas promoting ARRL's 2009 Field Day activities.

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## ARRL Development in 2009

### ARRL Fund Raising Strong in 2009

The fund raising climate in 2009 was one of the most challenging in recent memory. In response to dire economic messages, consumer confidence remained low and had a deleterious effect on fund raising efforts for most non-profit organizations. ARRL Development finished the year in fairly good shape in spite of the impact of daily negative economic news. Results for 2009 show that Development produced revenues from all sources totaling \$946,139—exceeding the 2009 goal of \$910,625, while holding expenses well under budget.

### Annual Giving

Development produced two major direct mail campaigns for fund raising and toward the end of the year, Development worked with Marketing to produce important e-solicitations for Spectrum Defense and for the Year End campaign.

In addition Development worked with Marketing and Membership to present giving opportunities to members as part of the online membership form. The result yielded new Diamond Club members as well as renewals and produced numerous contributions averaging less than \$25 to other funds. For instance, 7% of all Defense contributions came through this online opportunity and likewise for the Education & Technology campaign. Many take advantage of the online membership function as an easy opportunity to make a donation.

The ARRL Education & Technology Program campaign was mailed in May to 36,200 donors and prospects. After considerable analysis, the 2009 solicitation was mailed to a combined group of major donors, major prospects and prior donors to the Education & Technology Program. In addition, a group of ARRL members was selected based on the analysis of prior campaigns. By the end of the year, the campaign had surpassed its 2009 goal of \$55,000 by raising \$90,017.

In addition to the mail campaign to members, Development solicited contributions for the Teachers Institute in Wireless Technology, a program of the Education & Technology Program. By year end contributions from eight donors raised \$135,000 to fund the 2010 Teachers Institutes.

*(continued on page 18)*



Mary Hobart, K1MMH, not only leads Development efforts, she is also an active ham, seen here operating with a team at PJ2T in Curacao.

*Development produced two major direct mail campaigns for fund raising and toward the end of the year, Development worked with Marketing to produce important e-solicitations for Spectrum Defense and for the Year End campaign.*

## ARRL Development in 2009

(continued from page 17)

For the full year the fund raising results for education yielded a total of nearly \$225,017 to support the Education & Technology program, including the Teachers Institutes.

The Spectrum Defense Fund ended 2009 having raised \$290,214 or 93.4% of the 2009 goal. The fall campaign was launched in October and for the first time the follow up to the campaign was an e-solicitation in mid-November to more than 58,000 ARRL members. The effect of this use of email as a follow up produced contributions totaling \$31,323 in just four days. In addition, the email likely stimulated contributions by postal mail.

The Year End Appeal was also an e-solicitation carefully constructed for 61,557 ARRL members who had opted in to receive emails from ARRL. This appeal in early December produced unrestricted contributions in addition to donations for Spectrum Defense or Education.

### Unrestricted Giving

The ARRL Diamond Club reached \$239,144 or 95.7% of its 2009 target. Diamond Club renewals remained even with prior year results with a slight increase (4.6%) in the average renewal contribution. There were fewer upgrades by members to the basic Diamond Club level than in 2008 and fewer new Diamond Club donors compared to 2008. Most Diamond Club donors come in at the \$75 level and the impact of economic stress was felt most strongly at that level. The Diamond Club members currently total 1764.

The Diamond Terrace continues to be a popular benefit of the Diamond Club program. More than 158 contributions were made in 2009 to place bricks in the Diamond Terrace, bringing the total number of personalized bricks to 683 since the opening of the Terrace in 2007.

Effective February 1, 2009, Diamond Club participants at the Brass Level (\$250) and above gained access to the most recent four years of the QST online archive, giving them access to virtually all of QST online.

The ARRL Maxim Society continues to grow as it recognizes donors whose lifetime giving reaches \$10,000. This group of our most generous donors now totals 66 members. ARRL lost three Maxim Society members in 2009—Peter Radding, W2GJ, Larry DeGeorge, W1ISV, and Ken Adams, K5KA, who are now Silent Keys.

For both the Diamond Club Director Level and Maxim Society donors, ARRL offers the benefit of personalized bound volumes of the preceding year's ARRL publications—QST, QEX and NCJ. In recent years requests have come from donors to receive this collection in CD format rather than in bound volumes. Development continues the practice of offering donors a choice of format.

The Combined Federal Campaign (CFC) for which ARRL qualified under federal government guidelines is a payroll deduction program available to federal employees. This giving option attracts unrestricted contributions as well as some funding for Spectrum Defense, Education, and Diamond Club. ARRL was approved to participate in the program in 2009 and the value of CFC pledges reached \$30,945.81. Many CFC pledges will be fulfilled over a period of months since they are managed as payroll deductions.

Additional unrestricted contributions for 2009 total \$40,504 including contributions to the Year End electronic appeal. This amount plus the proceeds of the CFC campaign brings the total unrestricted contributions for 2009 to \$69,148, exceeding the 2009 goal by 6%.

(continued on page 22)



Recently elected IARU President Tim Ellam, VE6SH, addressed 120 attendees at the annual Donor Reception on the evening preceding Hamvention in Dayton, Ohio.

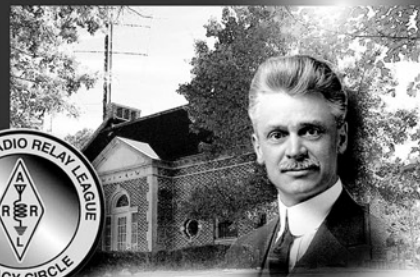


Tom Porter, W8KYZ, is welcomed into the ARRL Maxim Society by ARRL President Joel Harrison, W5ZN, and CEO David Sumner, K1ZZ.

*The Combined Federal Campaign (CFC) for which ARRL qualified under federal government guidelines is a payroll deduction program available to federal employees. This giving option attracts unrestricted contributions as well as some funding for Spectrum Defense, Education, and Diamond Club. ARRL was approved to participate in the program in 2009 and the value of CFC pledges reached \$30,945.81. Many CFC pledges will be fulfilled over a period of months since they are managed as payroll deductions.*

*The American Radio Relay League is proud to honor those individuals and organizations whose 2009 contributions of \$1,000 or more support projects not funded by member dues, including participation in The ARRL Diamond Club, the Spectrum Defense Fund, the Education & Technology Fund, and the WIAW Endowment. ARRL is proud to honor Maxim Society donors whose lifetime donations exceed \$10,000.*

Ken Adams, K5KA*	Lee Ciereszko, N4TCW and Sally Ciereszko, KG4MTB	Ted Goldthorpe, W4VHF and Itice Goldthorpe, K4LVV*
Robert Ahmann, W7SC	J. Clark, K1QX	Kenneth Goodwin, K5RG*
Allen-Heath Memorial Foundation (K6ZIZ and K6OKO)	Casey Coley, W9LP	Martin Green, K2PLF
Dwayne Allen, WY7FD and Katie Allen, WY7KRA	Robert Conder, K4RLC	Walter Groce, AJ1L
Alan Applegate, K0BG	Ti Michelle Connelly, NJ6T*	Elliot Gross, KB2TZ*
Louis Arnold, K9ALP	Kay Craigie, N3KN and Carter Craigie, N3AO*	The Gryphon Fund
Merit Arnold, W6NQ*	Mark Croney, W4ZF	Byrness Haworth, W8LE
Baker Family Foundation (W5IZ and W5JKB)	Robert Dickey, AK5V	Fried Heyn, WA6WZO and Sandra Heyn, WA6WZN
Mary Banks, K4MRY and Sherman Banks, W4ATL	James Dicso, K2SZ*	Michael Hightower, KF6SJ
Don Barber, K8GV*	Richard Dievendorf, K6KR*	Douglas Hilton, WD0UG
John Barber, N5JB	Frank Donovan, W3LPL*	Mary M. Hobart, K1MMH
Bob Barden, MD0CCE	Timothy Duffy, K3LR	Geoffrey Howard, W0CG
Glen Barney, NY3E	Loney Duncan, W0GZV	Thomas Hutton, N3ZZ*
Ned E. Beatty, W9ZCH	Rusty Epps, W6OAT	George R. Isely, W9GIG*
Mark A. Behrens, W4GP	Ronald Erickson, K0IC	W R (Dick) Jackson, Jr. W3EZ*
Dave Bell, W6AQ and Alice (Sam) Bell, W6QLT*	Martin Ewing, AA6E	James Jaeger, K8RQ*
David Blaschke, W5UN	Frank Fallon, N2FF	Thomas Jakubec, N5ZR
Alvin C. Borne, W6IVO	Kenneth Fath, N4KF*	Ronald Jansen, KB9WTB
Clint Bradford, K6LCS	Harry Flasher, AC8G*	Andrew John, W8OU*
David Brandenburg, K5RQ*	Sean Fleming, K8KHZ	Leslie Kalmus, W2LK
William Buckner, W0VZK*	Sean Forrester, N8SEA	David Kaplan, WA1OUI*
Bruce Butler, W6OSP*	E. L. Fowler, W5CML	Steven Katz, N8WL and Constance Barsky, WD8ODC
Frank Butler, W4RH*	William Fugate, W8IYD*	David Kersten, N8AUH
Randall Bynum, NR6CA	James Garland, W8ZR	Kenneth Knudson, N5TY
Joseph G. Chaet, W1RGH and Carla M. Chaet, N7OPU	William Gerhold, K2WH	Alfred Laun, K3ZO
	Kenneth Gleszer, W1KAY	Don Lisle, K6IPV*
	Craig Goldman, K2LZQ	



\*Maxim Society member

Joseph Locascio, K5KT  
 Robert Locher, W9KNI\*  
 Robert F. Loll, WA6UPX  
 Willis Mack, N1HAI  
 Bruce Marcus, N1XG\*  
 William Marx, W2CQ  
 Charles McConnell, W6DPD  
 Willis McDonald IV, KD7NZG\*  
 John Mercer, W7IIS  
 David Mikitka, KA9LZI  
 John R. Miller, WØIKT  
 Kan Mizoguchi, JA1BK  
 Dick Mondro, K4FQT  
 Frank Morrison, KB1FZ  
 Dennis Motschenbacher, K7BV  
 Col. Frank M. Mroz MD, W1COL  
 William Mueller, AA5WM\*  
 Peter Naumburg, K5HAB  
 Tod Olson, KØTO\*  
 Art Pahr, K9XJ  
 Ernest Paul, KC2WD  
 Thomas W. Porter, W8KYZ\*  
 Malcolm Preston, NP2L  
 Dr. Larry E. Price, W4RA\*  
 Keith Pugh, W5IU  
 Lawrence Quinn, WILDQ  
 and Wendy Quinn, WIDY

George Race, WB8BGY  
 and Barbara Race, WB8UWX  
 Peter Radding, W2GJ\*  
 Michael M. Raskin, W4UM  
 and Sherry L. Raskin, W4SLR\*  
 Paul Rasmussen, W6PR  
 John P. Rautenstrauch, N2MTG  
 Robert Ravenscroft, W7JZZ  
 Jerry Redding, KA8Q  
 Paul Rinaldo, W4RI\*  
 Mike Roden, W5JR  
 and Kim Roden, W5KAR  
 Alfred Rousseau, W1FJ  
 Eric Scace, K3NA  
 Keith Schlottman, KR7RK  
 Joseph Schroeder, W9JUV  
 C. Wayne Schuler, AI9Q  
 Edward Seeliger, KD5M  
 and Claudia Seeliger  
 Paul D. Sergi, NO8D\*  
 Beurt SerVaas, W9WVO\*  
 L. Dennis Shapiro, W1UF\*  
 Kamal Sirageldin, N3KS  
 William Smith, KB1NCP  
 William Smith, W9VA  
 Walton Stinson, WØCP  
 Roger Strauch, KD6UO\*  
 John Swartz, WA9AQN

Craig Thompson, K9CT\*  
 John Thornton, W6HD  
 and Jane Thornton, KF6QHP  
 Ron Tingle, K4ML  
 Arnold van der Valk, AG3V  
 and Suzanne van der Valk, NDØD  
 David Walker, KØCOP  
 Joseph Walsh, WB6ACU\*  
 James E. Weaver, K8JE  
 and Janice E. Weaver  
 Dick Weber, K5IU\*  
 Steven West, W7SMW  
 and Donna Karam, KC5FTN\*  
 Dan White, W5DNT  
 E. Glenn Wolf, Jr. N5RN  
 Mitch Wolfson, DJØQN  
 Dr. David Woolweaver, K5RAV  
 The YASME Foundation  
**Anonymous: 55**



*The ARRL Legacy Circle honors individuals who have included ARRL in their will or other estate plans.*

Robert Ahmann, W7SC

Alan Applegate, KØBG

Dave Bell, W6AQ  
and Alice (Sam) Bell, W6QLT\*

Alvin C. Borne, W6IVO

Clint Bradford, K6LCS

Frank Butler, W4RH\*

Joseph G. Chaet, W1RGH  
and Carla M. Chaet, N7OPU

J. Clark, K1QX

Robert Dickey, AK5V

Richard Dievendorff, K6KR\*

Rusty Epps, W6OAT

Ronald Erickson, KØIC

E. L. Fowler, W5CML

William Gerhold, K2WH

Kenneth Gleszer, W1KAY

Ted Goldthorpe, W4VHF  
and Itice Goldthorpe, K4LVV\*

Walter Groce, AJ1L

Elliot Gross, KB2TZ\*

Byrness Haworth, W8LE

Fried Heyn, WA6WZO  
and Sandra Heyn, WA6WZN

Douglas Hilton, WDØUG

Geoffry Howard, WØCG

Thomas Jakubec, N5ZR

Ronald Jansen, KB9WTB

Steven Katz, N8WL  
and Constance Barsky, WD8ODC

David Kersten, N8AUH

Don Lisle, K6IPV\*

Joseph Locascio, K5KT

William Marx, W2CQ

Dick Mondro, K4FQT

Dr. Theodore Morris, WB8VNV

Dennis Motschenbacher, K7BV

Art Pahr, K9XJ

Ernest Paul, KC2WD

Keith Pugh, W5IU

John Putnam, W1DRG

Lawrence Quinn, W1LDQ  
and Wendy Quinn, W1DY

George Race, WB8BGY  
and Barbara Race, WB8UWX

Michael M. Raskin, W4UM  
and Sherry L. Raskin, W4SLR\*

John P. Rautenstrauch, N2MTG

Alfred Rousseau, W1FJ

Joseph Schroeder, W9JUV

Walton Stinson, WØCP

John Swartz, WA9AQN

John Thornton, W6HD  
and Jane Thornton, KF6QHP

James E. Weaver, K8JE  
and Janice E. Weaver

Steven West, W7SMW  
and Donna Karam, KC5FTN\*

**Anonymous: 26**



## Planned Giving

The ARRL Endowment continued to grow in 2009. ARRL received \$106,546 from distributions from the estates of five Silent Keys. At the end of 2009 ARRL had received 99 estate commitments from ARRL members.

## Grants

The area of grants continued to be a challenge for Development in 2009. The 12 proposals prepared by the grant writer did not produce grants for the Education & Technology Program.

## Other Activities

ARRL held the annual Donor Recognition reception in Dayton during Hamvention in May 2009 at the Meadowbrook Country Club. The 2009 Guest of Honor was newly elected IARU President Tim Ellam, VE6SH. Three new Maxim Society donors were honored as part of the evening's program—Frank Donovan, W3LPL; Tom Porter, W8KYZ, and Tom Hutton, N3ZZ.

In the first quarter of 2009 Development recognized 1523 long term ARRL members through the Member Loyalty recognition program, mailing personalized recognition certificates and pins to members of 40 years or more. In addition, 442 members achieving 50 years of ARRL membership were awarded a complimentary year of Diamond Club membership and benefits.

## Conclusion

The response of ARRL members in 2009 to the initiatives of the Development Office was most heartening, considering the challenging financial environment. The more than \$946,000 raised from 6697 contributions had an immediate impact on the financial health of ARRL during the year.

*The ARRL Endowment continued to grow in 2009. ARRL received \$106,546 from distributions from the estates of five Silent Keys. At the end of 2009 ARRL had received 99 estate commitments from ARRL members.*

*The response of ARRL members in 2009 to the initiatives of the Development Office was most heartening, considering the challenging financial environment. The more than \$946,000 raised from 6697 contributions had an immediate impact on the financial health of ARRL during the year.*

## *The Diamond Terrace at ARRL*



The Diamond Terrace at ARRL continued to be the most popular benefit of the Diamond Club program in 2009 with 158 personalized bricks laid and Lucite replicas produced for donors. More than 680 bricks have been placed in the Diamond Terrace since it opened in 2007.

# Annual Report

Devoted Entirely to Amateur Radio



ARRL Headquarters—  
Newington, Connecticut

*Looking back on 2009, it is safe to say that the organization was, once again, able to chart a steady, successful financial course in the face of what could only be considered very stormy economic conditions.*

*By the end of the year, we were able to report a small increase in net assets from operations and saw great improvement in our overall financial position as the rebound in the markets improved the value of our investments considerably and steps were taken to improve the financial position of the ARRL pension plan as well. These two items added almost \$5.8 million to the net asset position of the organization during the past year.*

## Financial Summary

The early months of 2009 was a time filled with great uncertainty and trepidation, specifically about the economy and the fiscal crises in which the country was immersed. While the ARRL had weathered the financial upheaval throughout 2008, it was still unclear where the economy was headed as we began the new year, let alone when we might begin to see the predicted turnaround. Most sectors of the economy were still mired in a recession with high unemployment, continuing turmoil in the financial markets and the overall fiscal health of the country badly battered.

There were reasons for optimism for the ARRL, however. Membership had grown during 2008 and we expected that trend to continue in 2009. In addition, our core financial underpinnings were still solid. Total revenues, while down slightly in 2008, were strong and operational expenses had been managed effectively. The small loss from operations in 2008, given everything that had happened, was an encouraging sign as we looked to 2009. The value of our investments had taken a hit but, unlike many not-for-profit organizations, we don't rely on the value of the portfolio to fund day-to-day operations, and weren't required to make deep cuts in program expenditures to offset the decrease in the value of our investments.

Looking back on 2009, it is safe to say that the organization was, once again, able to chart a steady, successful financial course in the face of what could only be considered very stormy economic conditions. By the end of the year, we were able to report a small increase in net assets from operations and saw great improvement in our overall financial position as the rebound in the markets improved the value of our investments considerably and steps were taken to improve the financial position of the ARRL pension plan as well. These two items added almost \$5.8 million to the net asset position of the organization during the past year.

Operationally, total revenues grew about 2% over the prior year as revenues from all sources increased to \$14.3 million in 2009. Membership growth pushed dues revenues higher and a rebound in sales of publications contributed significantly to the organization's growth in revenues. Revenues from program fees, although not as high as in the prior year, were still at healthy levels as well, indicating a high level of interest in operating activities and licensing. Through careful management we were also able to keep total expenses for the year at the same level as in 2008 and, as a result, the ARRL was able to post income from operations of about \$216 thousand for the year, which was better than the small loss incurred in 2008.

The one area where revenues did drop somewhat was in the area of voluntary contributions. The continuing turmoil in the economy had people all across the wide range of not-for-profit organizations responding much more conservatively to appeals for funds than they had in the past. The ARRL was not immune to this trend and saw an 8% decrease in contributions in 2009 in comparison to the prior year.

What we were able to accomplish in 2009 points to a financially stable ARRL going forward into the new year. We expect to continue our financial objectives of revenue growth and careful expense management which we believe will produce solid financial results in the coming year. This will allow us to meet our organizational goals and objectives and continue to serve the ARRL members as well as Amateur Radio operators around the world.



*American Radio  
Relay League  
Board of Directors  
January, 2009*

**First Row:**

Jim Fenstermaker, Mickey Cox, Patricia Hensley, Harold Kramer, Bill Edgar, Joel Harrison, Bob Vallio, Joyce Birmingham, Mike Raisbeck, Dennis Bodson, Tom Abernethy, Brian Mileschosky, Larry Price

**Middle Row:**

Dave Patton, Mary Hobart, James McCobb, William Sawders, Gary Johnston, David Sumner, Paul Rinaldo, Cliff Ahrens, Gregory Widin, Sandy Donahue, Rick Roderick, Rodney Stafford, Marty Woll, Coy Day, Barry Shelley, Dwayne Allen

**Top Row:**

Tom Frenaye, Jim Weaver, David Goodwin (RAC), Andy Oppel, Jay Bellows, Dr. David Woolweaver, Frank Fallon, Bruce Frahm, George Isley, Richard Norton, David Norris, Greg Sarratt, Kay Craigie, Brennan Price, Chris Imlay



ARRL 2009 Annual Board Meeting — Windsor, Connecticut

## Officers

**Joel Harrison, W5ZN**  
President  
Judsonia, Arkansas

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

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

**Rodney Stafford, W6ROD**  
Vice President,  
International Affairs  
San Jose, California

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

**James McCobb Jr., K1LU**  
Treasurer  
West Newbury, Massachusetts

**Barry Shelley, N1VXY**  
Chief Financial Officer

**Harold Kramer, WJ1B**  
Chief Operating Officer

**Mary Hobart, K1MMH**  
Chief Development Officer

**Paul Rinaldo, W4RI**  
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

**Howard Huntington, K9KM**  
Vice Director  
Hawthorn Woods, Illinois

### Dakota Division

**Jay Bellows, K0QB**  
Director  
St. Paul, Minnesota

**Gregory Widin, K0GW**  
Vice Director  
Stillwater, Minnesota

### Delta Division

**Mickey Cox, K5MC**  
Director  
West Monroe, Louisiana

**David Norris, K5UZ**  
Vice Director  
Batesville, Arkansas

### Great Lakes Division

**Jim Weaver, K8JE**  
Director  
Mason, Ohio

**Gary L. Johnston, KI4LA**  
Vice Director  
Edgewood, Kentucky

### Hudson Division

**Frank Fallon, N2FF**  
Director  
East Williston, New York

**Joyce Birmingham, KA2ANF**  
Vice Director  
Ridgewood, New Jersey

### Midwest Division

**Bruce Frahm, K0BJ**  
Director  
Colby, Kansas

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

### New England Division

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

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

### Northwestern Division

**Jim Fenstermaker, K9JF**  
Director  
Seattle, Washington

**William Sawders, K7ZM**  
Vice Director  
La Pine, Oregon

### Pacific Division

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

**Andy Oppel, N6AJ0**  
Vice Director  
Alameda, California

### Roanoke Division

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

**Patricia Hensley, N4ROS**  
Vice Director  
Richburg, South Carolina

### Rocky Mountain Division

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

**Dwayne Allen, WY7FD**  
Vice Director  
Devils Tower, Wyoming

### Southeastern Division

**Greg Sarratt, W4OZK**  
Director  
Harvest, Alabama

**Jeff Beals, WA4AW**  
Vice Director  
Loxahatchee, 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 Thomason, WB5SYT**  
Vice Director  
Edmond, Oklahoma

**Report of Independent Public Accountants**

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

We have audited the accompanying statements of financial position of The American Radio Relay League, Incorporated (the "League") as of December 31, 2009 and 2008, and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the League's management. 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 of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our 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, 2009 and 2008, and the changes in its net assets and cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The accompanying information is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audits of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

 J.H. Cohn LLP

Glastonbury, Connecticut  
May 11, 2010

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENTS OF FINANCIAL POSITION  
DECEMBER 31, 2009 AND 2008**

**ASSETS**

	<u>2009</u>	<u>2008</u>
Current assets:		
Cash	\$ 863,013	\$ 256,521
Accounts receivable, net of allowance for doubtful accounts of \$92,343 and \$109,855	605,744	479,357
Inventories, net	602,414	760,167
Prepaid expenses and other current assets	175,957	155,209
Other receivables	85,907	96,827
Total current assets	<u>2,333,035</u>	<u>1,748,081</u>
Other assets:		
Investments	14,909,196	12,471,562
Land, building and equipment, net	578,175	643,677
Total other assets	<u>15,487,371</u>	<u>13,115,239</u>
Total assets	<u>\$ 17,820,406</u>	<u>\$ 14,863,320</u>

**LIABILITIES AND NET ASSETS**

Current liabilities:		
Accounts payable	\$ 227,257	\$ 209,014
Accrued liabilities	219,426	219,663
Deferred revenue	5,223	6,258
Subtotal operational current liabilities	<u>451,906</u>	<u>434,935</u>
Deferred life membership dues - current portion	505,621	504,048
Deferred term membership dues - current portion	2,396,576	2,295,415
Total current liabilities	<u>3,354,103</u>	<u>3,234,398</u>
Long-term liabilities:		
Deferred life membership dues - less current portion	5,405,137	5,427,356
Deferred term membership dues - less current portion	626,438	667,264
Accrued pension liability	2,596,756	5,943,680
Total long-term liabilities	<u>8,628,331</u>	<u>12,038,300</u>
Total liabilities	<u>11,982,434</u>	<u>15,272,698</u>
Commitments		
Net assets:		
Unrestricted	2,480,198	(3,365,079)
Unrestricted - Board designated	1,201,734	941,100
Temporarily restricted	1,644,303	1,506,777
Permanently restricted	511,737	507,824
Total net assets	<u>5,837,972</u>	<u>(409,378)</u>
Total liabilities and net assets	<u>\$ 17,820,406</u>	<u>\$ 14,863,320</u>

See Notes to Financial Statements.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENT OF ACTIVITIES  
YEAR ENDED DECEMBER 31, 2009**

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
<b>Revenues and contributions:</b>				
Membership dues	\$ 5,410,673	\$ -	\$ -	\$ 5,410,673
Net publication sales	4,023,731	-	-	4,023,731
Advertising	2,694,930	-	-	2,694,930
Investment income	220,851	65,292	-	286,143
Examination fees and other	443,130	-	-	443,130
Program and service fees	499,792	-	-	499,792
Contributions and support	453,368	519,653	3,913	976,934
Net assets released from restrictions	605,410	(605,410)	-	-
	<u>14,351,885</u>	<u>(20,465)</u>	<u>3,913</u>	<u>14,335,333</u>
<b>Expenditures:</b>				
Programs and services	7,776,898	-	-	7,776,898
Publications	3,988,770	-	-	3,988,770
Administration	1,728,856	-	-	1,728,856
Fundraising	441,171	-	-	441,171
Governance	180,025	-	-	180,025
	<u>14,115,720</u>	<u>-</u>	<u>-</u>	<u>14,115,720</u>
Increase (decrease) in net assets before other income	<u>236,165</u>	<u>(20,465)</u>	<u>3,913</u>	<u>219,613</u>
<b>Other income:</b>				
Bequests - Board designated functioning as an endowment	106,547	-	-	106,547
Unrealized gains on investments	2,024,254	157,991	-	2,182,245
Defined benefit pension plan actuarial gain	3,738,945	-	-	3,738,945
	<u>5,869,746</u>	<u>157,991</u>	<u>-</u>	<u>6,027,737</u>
Change in net assets	6,105,911	137,526	3,913	6,247,350
Net assets, beginning of year	<u>(2,423,979)</u>	<u>1,506,777</u>	<u>507,824</u>	<u>(409,378)</u>
Net assets, end of year	<u>\$ 3,681,932</u>	<u>\$ 1,644,303</u>	<u>\$ 511,737</u>	<u>\$ 5,837,972</u>

See Notes to Financial Statements.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENT OF ACTIVITIES  
YEAR ENDED DECEMBER 31, 2008**

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Revenues and contributions:				
Membership dues	\$ 5,316,844	\$ -	\$ -	\$ 5,316,844
Net publication sales	3,766,117	-	-	3,766,117
Advertising	2,638,970	-	-	2,638,970
Investment income	256,873	66,390	-	323,263
Examination fees and other	415,503	-	-	415,503
Program and service fees	526,331	-	-	526,331
Contributions and support	452,787	544,816	67,173	1,064,776
Net assets released from restrictions	645,717	(645,717)	-	-
	<u>14,019,142</u>	<u>(34,511)</u>	<u>67,173</u>	<u>14,051,804</u>
Expenditures:				
Programs and services	7,798,930	-	-	7,798,930
Publications	4,052,922	-	-	4,052,922
Administration	1,574,634	-	-	1,574,634
Fundraising	517,043	-	-	517,043
Governance	176,601	-	-	176,601
	<u>14,120,130</u>	<u>-</u>	<u>-</u>	<u>14,120,130</u>
Increase (decrease) in net assets before other income (expense)	<u>(100,988)</u>	<u>(34,511)</u>	<u>67,173</u>	<u>(68,326)</u>
Other income (expense):				
Bequests - Board designated functioning as an endowment	141,925	-	-	141,925
Unrealized losses on investments	(2,804,620)	(325,551)	-	(3,130,171)
Defined benefit pension plan actuarial loss	(4,303,422)	-	-	(4,303,422)
	<u>(6,966,117)</u>	<u>(325,551)</u>	<u>-</u>	<u>(7,291,668)</u>
Change in net assets	<u>(7,067,105)</u>	<u>(360,062)</u>	<u>67,173</u>	<u>(7,359,994)</u>
Net assets, beginning of year	<u>4,643,126</u>	<u>1,866,839</u>	<u>440,651</u>	<u>6,950,616</u>
Net assets, end of year	<u>\$ (2,423,979)</u>	<u>\$ 1,506,777</u>	<u>\$ 507,824</u>	<u>\$ (409,378)</u>

See Notes to Financial Statements.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENTS OF CASH FLOWS  
YEARS ENDED DECEMBER 31, 2009 AND 2008**

	<u>2009</u>	<u>2008</u>
Operating activities:		
Change in net assets	<b>\$ 6,247,350</b>	\$ (7,359,994)
Adjustments to reconcile change in net assets to net cash provided by operating activities		
Receipts to establish or increase permanent endowment	<b>(3,913)</b>	(67,173)
Depreciation	<b>262,648</b>	332,464
Bad debt expense	<b>18,059</b>	18,000
Change in inventory reserve	<b>(18,855)</b>	1,712
Unrealized (gain) loss on investments	<b>(2,182,245)</b>	3,130,171
Realized loss on investments allocated to the general fund	<b>47,658</b>	10,653
Changes in operating assets and liabilities:		
Accounts receivable	<b>(144,446)</b>	(130,479)
Contribution receivable	-	600,000
Other receivables	<b>10,920</b>	2,108
Inventories	<b>176,608</b>	(144,900)
Prepaid expenses and other current assets	<b>(20,748)</b>	4,688
Accounts payable and accrued liabilities	<b>18,006</b>	(4,059)
Deferred revenue	<b>(1,035)</b>	195
Deferred life membership dues, net of allocated realized loss	<b>29,780</b>	(4,844)
Deferred term membership dues	<b>60,335</b>	66,796
Accrued pension liability	<b>(3,346,924)</b>	4,140,493
Net cash provided by operating activities	<b><u>1,153,198</u></b>	<b><u>595,831</u></b>
Investing activities:		
Purchase of equipment	<b>(197,146)</b>	(161,068)
Sales of investments	<b>4,591,928</b>	5,506,630
Purchases of investments	<b>(4,945,401)</b>	(6,076,950)
Net cash used in investing activities	<b><u>(550,619)</u></b>	<b><u>(731,388)</u></b>
Financing activities:		
Receipts to establish or increase permanent endowment	<b>3,913</b>	67,173
Net increase (decrease) in cash	<b>606,492</b>	(68,384)
Cash, beginning of year	<b>256,521</b>	324,905
Cash, end of year	<b><u>\$ 863,013</u></b>	<b><u>\$ 256,521</u></b>

See Notes to Financial Statements.

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

**Note 1 - Organization:**

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.

**Note 2 - Summary of significant accounting policies:**

**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 balances associated with investment accounts are included with investments in these financial statements. There were no cash equivalents as of December 31, 2009 or 2008.

**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.

**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 \$94,323 and \$113,178 as of December 31, 2009 and 2008, respectively.

**Investments:**

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



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 2 - Summary of significant accounting policies (continued):**

**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. 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:

<u>Asset</u>	<u>Estimated Useful Lives</u>
Building	40 years
Furnishings, equipment and building improvements	3 - 15 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 income for the period.

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

Expenses amounting to \$129,710 and \$52,840 in 2009 and 2008, respectively, relate to web development costs that were incurred but will not be placed into service until 2010. Depreciation will commence when the assets are placed into service. The cumulative cost of \$182,550 and \$52,840 as of December 31, 2009 and 2008, respectively, is shown as construction in progress in Note 6.

**Pension liability:**

The League follows the accounting standard that requires retirement benefit accruals or prepaid benefit costs on the statements of financial position to be adjusted to the difference between the benefit obligations and the plan assets at fair value. The offset to the adjustment is recorded to change in net assets. The amount recorded to change in net assets represents the unrecognized actuarial gains or losses and unamortized service costs, which have previously been disclosed in the notes to the financial statements.

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

#### **Note 2 - Summary of significant accounting policies (continued):**

##### **Net assets:**

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 - Unrestricted net assets represent available resources other than donor-restricted contributions. The Board of Directors of the League has earmarked certain of those funds which are shown as designated unrestricted net assets in the accompanying statements of financial position.

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

Permanently Restricted - Permanently restricted net assets represent contributions received that are restricted by the donor or by operation of law that the principal be invested in perpetuity while the income earned thereon is made available for operations.

##### **Endowment and spending policy:**

The League has adopted 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.

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 that places a greater emphasis on equity-based investments 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.

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

#### **Note 2 - Summary of significant accounting policies (continued):**

##### **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 life membership in the League for 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 from magazines is recorded, net of agency commissions, during the period the magazines are sold.

Contributions - Contributions received are recorded as unrestricted, temporarily restricted or permanently restricted support depending on the existence and/or nature of any donor restrictions. 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 from its magazines. The League did not have unrelated business income tax during the years ended December 31, 2009 and 2008.

The League adopted the new accounting for uncertainty in income taxes guidance on January 1, 2009. The adoption of that guidance did not result in the recognition of any unrecognized tax benefits and the League has no unrecognized tax benefits at December 31, 2009. The League's U.S. Federal and state information returns prior to calendar year 2006 are closed and management continually evaluates expiring statutes of limitations, audits, proposed settlements, changes in tax law and new authoritative rulings.

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

#### **Note 2 - Summary of significant accounting policies (concluded):**

##### **Income taxes (concluded):**

If the League has unrelated business income taxes, the League will recognize interest and penalties associated with uncertain tax positions as part of the income tax provision and include accrued interest and penalties with the related tax liability in the statements of financial position.

##### **Functional expenses:**

The cost 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.

##### **Subsequent events:**

The League has evaluated events and transactions for potential recognition or disclosure through May 11, 2010, which is the date the financial statements were available to be issued. There were no subsequent events required to be reported.

##### **Reclassifications:**

Certain amounts in the 2008 financial statements have been reclassified to conform to the 2009 presentation.

#### **Note 3 - Concentrations of credit risk:**

Financial instruments which potentially subject the League to concentrations of credit risk consist primarily of cash, trade receivables and investments. 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 credit base. The League does not generally require collateral from customers. 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 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.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 4 - 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:

	2009		2008	
	Fair Value	Cost	Fair Value	Cost
Cash and cash equivalents	\$ 1,687,263	\$ 1,689,108	\$ 2,151,984	\$ 2,149,970
Fixed maturities	6,767,541	6,732,601	5,412,295	6,093,499
Equity securities	6,454,392	5,997,499	4,907,283	5,920,350
	<u>\$ 14,909,196</u>	<u>\$ 14,419,208</u>	<u>\$ 12,471,562</u>	<u>\$ 14,163,819</u>

The League allocates its investments as those related to regular operations, life memberships, temporarily restricted and endowment funds. The following summarizes the market value of investments related to each category as of December 31:

	2009	2008
Life membership	\$ 5,910,758	\$ 5,931,404
Regular operations	5,657,694	3,617,085
Temporarily restricted	1,644,303	1,506,777
Functioning as an endowment	1,184,704	908,472
Permanently restricted	511,737	507,824
	<u>\$14,909,196</u>	<u>\$12,471,562</u>

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

	2009	2008
Unrealized (depreciation) appreciation, beginning of year:		
Fair value	\$12,471,562	\$15,053,094
Cost	14,163,819	13,615,180
Net (loss) gain	<u>(1,692,257)</u>	<u>1,437,914</u>
Unrealized appreciation (depreciation), end of year:		
Fair value	14,909,196	12,471,562
Cost	14,419,208	14,163,819
Net gain (loss)	<u>489,988</u>	<u>(1,692,257)</u>
Net unrealized gain (loss) for the year	<u>\$ 2,182,245</u>	<u>\$ (3,130,171)</u>

Investment income is summarized as follows for the years ended December 31:

	2009	2008
Interest and dividend income	\$ 597,846	\$ 586,269
Net realized loss on investments	(98,084)	(22,133)
Gross investment income	499,762	564,136
Less:		
Net investment income allocated to deferred life liability	(213,619)	(240,873)
Total investment income	<u>\$ 286,143</u>	<u>\$ 323,263</u>

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 5 - 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.
- 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, 2009 and 2008 are classified in the table below in one of the three categories described above:

	2009			
	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	\$ 1,687,263	\$ -	\$ -	\$ 1,687,263
Fixed maturities	1,286,941	5,480,600	-	6,767,541
Equity securities	6,454,392	-	-	6,454,392
Total assets at fair value	<u>\$ 9,428,596</u>	<u>\$ 5,480,600</u>	<u>\$ -</u>	<u>\$ 14,909,196</u>

	2008			
	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	\$ 2,151,984	\$ -	\$ -	\$ 2,151,984
Fixed maturities	893,930	4,518,365	-	5,412,295
Equity securities	4,907,283	-	-	4,907,283
Total assets at fair value	<u>\$ 7,953,197</u>	<u>\$ 4,518,365</u>	<u>\$ -</u>	<u>\$ 12,471,562</u>

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

**Note 5 - Fair value measurements (concluded):**

The fair value of cash and cash equivalents is estimated using third party quotations.

The fair value of fixed maturities, which consists principally of corporate bonds and tax exempt 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.

Investments in equity securities that are listed on a national securities exchange or reported on the NASDAQ national market are valued at their last sales price on the valuation date.

**Note 6 - Land, building and equipment:**

Land, building and equipment, and related accumulated depreciation are comprised of the following at December 31, 2009 and 2008:

	<u>2009</u>	<u>2008</u>
Land and building	\$ 1,094,693	\$ 1,094,693
Furnishings, equipment and building improvements	4,922,103	4,854,667
Construction in progress	182,550	52,840
	<u>6,199,346</u>	<u>6,002,200</u>
Less accumulated depreciation	<u>(5,621,171)</u>	<u>(5,358,523)</u>
	<u>\$ 578,175</u>	<u>\$ 643,677</u>

**Note 7 - Pension liability:**

The League has a noncontributory group annuity retirement plan (the "Plan") which covers all full-time employees. The Plan was frozen effective May 31, 2009 and as a result, there was a curtailment gain of \$2,303,990 recognized in 2009.

The assets of the plan are primarily invested in a group annuity contract with Standard Retirement Services Inc., which executes investment transactions and pays all benefits.

The League's funding policy is to contribute annually the amount necessary to meet the minimum funding standards established by the Employee Retirement Income Security Act. This contribution is based on a method that recognizes estimated future salary levels and service.

The League follows the accounting standard that requires retirement benefit accruals or prepaid benefit costs on the statements of financial position to be adjusted to the difference between the benefit obligations and the plan assets at fair value. The offset to the adjustment is recorded in change in net assets. The amount recorded in change in net assets represents the unrecognized actuarial gains or losses.

The League uses a December 31 measurement date for its plan.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 7 - Pension liability (continued):**

The following sets forth the plan's funded status and amounts recognized in the League's statements of financial position at December 31:

	<u>2009</u>	<u>2008</u>
Accumulated benefit obligation at end of year	<u>\$ 10,758,892</u>	<u>\$ 10,005,036</u>
Projected benefit obligation at beginning of year:	<u>\$ 12,313,725</u>	\$ 10,586,222
Service cost	<u>189,188</u>	420,953
Interest cost	<u>658,777</u>	676,185
Curtailment gain	<u>(2,303,990)</u>	-
Assumption changes	-	908,352
Actuarial (gain) loss	<u>112,913</u>	(114,683)
Benefits paid	<u>(211,721)</u>	(163,304)
Projected benefit obligation at end of year	<u>10,758,892</u>	<u>12,313,725</u>
Fair value of plan assets at beginning of year:	<u>6,370,045</u>	8,783,035
Actual return on plan assets	<u>1,779,488</u>	(2,827,464)
Employer contributions	<u>230,000</u>	606,550
Plan expenses	<u>(5,676)</u>	(28,772)
Benefits paid	<u>(211,721)</u>	(163,304)
Fair value of plan assets at end of year	<u>8,162,136</u>	<u>6,370,045</u>
Unfunded status	<u>(2,596,756)</u>	(5,943,680)
Net accrued benefit cost	<u>\$ (2,596,756)</u>	<u>\$ (5,943,680)</u>

Accrued benefit cost is presented in the statements of financial position as a long-term liability.

Net periodic benefit cost recognized in changes in unrestricted net assets for the years ended December 31, 2009 and 2008 consist of the following:

	<u>2009</u>	<u>2008</u>
Service cost	<u>\$ 189,188</u>	\$ 420,953
Interest cost	<u>658,777</u>	676,185
Expected return on plan assets	<u>(476,331)</u>	(653,517)
Amortization of net gain / loss	<u>250,387</u>	-
Total net periodic benefit cost	<u>\$ 622,021</u>	<u>\$ 443,621</u>

Net periodic benefit cost is included in salaries, compensation and benefits on the schedule of expenditures.



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 7 - Pension liability (continued):**

Other changes in plan assets and benefit obligations recognized in changes in unrestricted net assets for the years ended December 31, 2009 and 2008 consist of the following:

	<u>2009</u>	<u>2008</u>
Curtailment gain	<u>\$ 2,303,990</u>	<u>\$ -</u>
Actual return on plan assets	<u>1,779,488</u>	<u>(2,827,464)</u>
Expected return	<u>(476,331)</u>	<u>(653,517)</u>
Totals	<u>1,303,157</u>	<u>(3,480,981)</u>
Other actuarial loss	<u>(112,913)</u>	<u>(793,669)</u>
Plan expenses	<u>(5,676)</u>	<u>(28,772)</u>
Amortization of net gain / loss	<u>250,387</u>	<u>-</u>
Totals	<u>131,798</u>	<u>(822,441)</u>
Total of other changes recognized in changes in unrestricted net assets	<u>3,738,945</u>	<u>(4,303,422)</u>
Net unrecognized actuarial loss - beginning of year	<u>(4,349,732)</u>	<u>(46,310)</u>
Net unrecognized actuarial loss - end of year	<u>\$ (610,787)</u>	<u>\$ (4,349,732)</u>

Other changes in plan assets and benefit obligations recognized in changes in unrestricted net assets is presented on the statement of activities under other income (expense).

The weighted average actuarial assumptions used in the accounting for the League's pension benefit plan were:

	<u>2009</u>	<u>2008</u>
Benefit obligation:		
Discount rate	<u>6.00%</u>	<u>6.00%</u>
Rate of compensation increase	<u>4.00%</u>	<u>4.00%</u>
Benefit cost:		
Discount rate	<u>6.00%</u>	<u>6.50%</u>
Expected return on plan assets	<u>7.50%</u>	<u>7.50%</u>
Rate of compensation increase	<u>4.00%</u>	<u>4.00%</u>
Net periodic benefit cost	<u>\$ 622,021</u>	<u>\$ 443,621</u>
Employer contribution	<u>230,000</u>	<u>606,550</u>
Benefits paid	<u>(211,721)</u>	<u>(163,304)</u>

The expected long-term rate of return on plan assets reflects the average rate of earnings expected on the funds invested or to be invested to provide for the benefits included in the projected benefit obligation. Estimation of this rate is derived using a building block method where appropriate consideration is given to the returns being earned by the plan assets in the fund and the rates of return expected to be available for reinvestment. The expected rate of return on each asset class is broken down into three components: (1) inflation, (2) the real risk-free rate of return (i.e., the long-term

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 7 - Pension liability (continued):**

estimate of future returns on default-free U.S. government securities) and (3) the risk premium for each asset class (i.e., the expected return in excess of the risk-free rate).

All three components are based primarily on historical data, with modest adjustments to take into account additional relevant information that is currently available. For the inflation and risk-free return components, the most significant additional information is that provided by the market for nominal and inflation-indexed U.S. Treasury securities. That market provides implied forecasts of both the inflation rate and risk-free rate for the period over which currently available securities mature. The historical data on risk premiums for each asset class is adjusted to reflect any systemic changes that have occurred in the relevant markets; e.g., the higher current valuations for equities, as a multiple of earnings, relative to the longer-term average for such valuations.

The exact expected return derived using the building block method will vary from year to year; however, as the rate is a long-term assumption, it remains constant as long as it remains within a reasonable range.

Retiree benefit payments, which reflect expected future service, are expected to be paid as follows:

<u>Year Ending December 31,</u>	
2010	\$ 278,932
2011	315,524
2012	339,406
2013	417,251
2014	580,047
2015 – 2019	3,738,260

The asset allocations by category as of December 31 are as follows:

	<u>2009</u>		<u>2008</u>	
	<u>Amount</u>	<u>%</u>	<u>Amount</u>	<u>%</u>
Equity securities	\$ 5,531,195	68%	\$ 3,758,327	59%
Debt securities	2,490,596	30	2,611,718	41
Other	140,345	2	-	-
	<u>\$ 8,162,136</u>	<u>100%</u>	<u>\$ 6,370,045</u>	<u>100%</u>

The pension assets carried at fair value at December 31, 2009 are classified in the table below. See Note 5 for definitions of levels:

	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>	<u>Total</u>
Equity securities	\$5,531,195	\$ -	\$ -	\$5,531,195
Debt securities	-	2,490,596	-	2,490,596
Other	-	140,345	-	140,345
	<u>\$5,531,195</u>	<u>\$ 2,630,941</u>	<u>\$ -</u>	<u>\$8,162,136</u>

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

**Note 7 - Pension liability (concluded):**

Investments in debt securities and other are designated as Level 2 instruments as valuations are obtained from readily-available pricing sources for comparable instruments. Investments in equity securities are valued using market prices on active markets. Level 1 instruments valuations are obtained from real-time quotes for transactions in active exchange markets involving identical assets.

The League sets investment guidelines with the assistance of investment professionals. These guidelines are established on market conditions, risk tolerance, funding requirements and expected benefit payments. The guidelines address the investment allocation process, selection of investment professionals and monitoring of asset performance. As pension liabilities are long-term in nature, the League employs a long-term total return approach to maximize the long-term rate of return on plan assets for a prudent level of risk. An annual analysis on the risk versus the return of the investment portfolio is conducted to justify the expected long-term rate of return assumption.

The investment portfolio contains a diversified portfolio of investment categories, including equities and fixed income securities. Securities are also diversified in terms of domestic and international securities, short and long-term securities, growth and value styles and large cap and small cap stocks. Presently, the guidelines require that investments in securities range as follows:

	<u>Investment Range</u>	<u>Target</u>
Equity securities	40-70%	65%
Debt securities	25-50%	33%
Money market	0-15%	2%

Based on the facts and circumstances that existed at the date of the financial statements, the League expects to contribute \$730,000 to the plan next fiscal year. The League believes with prudent risk tolerance and asset diversification, the plan should be able to meet its pension obligations in the future.

**Note 8 - 403(b) plan:**

The League established the ARRL, Inc. 403(b) Pension Plan in 2009. 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 at the rate of 50 cents per dollar contributed up to the employee's contribution of 4% of their compensation. Total employer contributions were \$89,385 in 2009.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 9 - Board designated unrestricted funds:**

The League's Board of Directors has designated funds for the purpose of acquiring, restoring and preserving amateur radio related artifacts, defending the use of radio frequencies by amateur radio operators and for future maintenance on the League's administrative building. As of December 31, 2009 and 2008, the Board has designated \$17,030 and \$32,628, respectively, for these purposes.

Since the beginning of 2004, the League has received bequests in the amount of \$1,150,794. The League's Board of Directors' intent is to treat these unrestricted bequests as funds functioning as an endowment. As of December 31, 2009 and 2008, the balance of the bequests, net of investment income and unrealized gains and losses, are \$1,184,704 and \$908,472, respectively.

**Note 10 - Temporarily restricted net assets:**

Temporarily restricted net assets as of December 31, 2009 are available for the following purposes:

Exceptional Merit	Education and Research
Defense of Frequencies	Other Specific Purposes

Individual fund activities are disclosed on the supplementary pages.

**Note 11 - Permanently restricted funds:**

The permanently restricted funds are those funds received from donors with the stipulation that the principal is to be maintained in perpetuity and invested for the purpose of producing present and future income. The income earned on the funds may be expended by the League if the income is unrestricted or expended in accordance with the gift instrument if restricted.

In 1993, the League became entitled, as beneficiary, to proceeds from a life insurance policy on one of its members. 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. The principal of \$154,340 is reflected as permanently restricted net assets in the accompanying statements of financial position at both December 31, 2009 and 2008.

In 2002, an endowment fund was set up for W1AW maintenance and upkeep. The principal of \$357,397 and \$353,484 is reflected as permanently restricted net assets in the accompanying statements of financial position at December 31, 2009 and 2008, respectively.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 12 - 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.

Changes in endowment net assets for the year ended December 31, 2009 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Endowment net assets, January 1, 2009	\$ 908,472	\$ -	\$ 507,824	\$ 1,416,296
Investment income, net	35,983	17,659	-	53,642
Net unrealized appreciation	133,702	18,366	-	152,068
Contributions	106,547	-	3,913	110,460
Amounts appropriated for expenditure	-	(18,000)	-	(18,000)
Endowment net assets, December 31, 2009	<u>\$ 1,184,704</u>	<u>\$ 18,025</u>	<u>\$ 511,737</u>	<u>\$ 1,714,466</u>

Endowment net asset composition by type of fund as of December 31, 2009 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Donor-Restricted Endowment Funds	\$ -	\$ 18,025	\$ 511,737	\$ 529,762
Board-Designated Endowment Funds	<u>1,184,704</u>	-	-	<u>1,184,704</u>
Total funds	<u>\$ 1,184,704</u>	<u>\$ 18,025</u>	<u>\$ 511,737</u>	<u>\$ 1,714,466</u>

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 12 - Endowment (concluded):**

Changes in endowment net assets for the year ended December 31, 2008 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Endowment net assets, January 1, 2008	\$ 919,201	\$ 89,420	\$ 440,651	\$ 1,449,272
Investment income, net	38,107	18,626	-	56,733
Net unrealized depreciation	(190,761)	(69,778)	-	(260,539)
Contributions	141,925	-	67,173	209,098
Amounts appropriated for expenditure	-	(38,268)	-	(38,268)
Endowment net assets, December 31, 2008	<u>\$ 908,472</u>	<u>\$ -</u>	<u>\$ 507,824</u>	<u>\$ 1,416,296</u>

Endowment net asset composition by type of fund as of December 31, 2008 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Donor-Restricted Endowment Funds	\$ -	\$ -	\$ 507,824	\$ 507,824
Board-Designated Endowment Funds	908,472	-	-	908,472
Total funds	<u>\$ 908,472</u>	<u>\$ -</u>	<u>\$ 507,824</u>	<u>\$ 1,416,296</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. In accordance with the accounting guidance, deficiencies of this nature that are reported in unrestricted net assets were \$1,141 and \$57,678 as of December 31, 2009 and 2008, respectively. These deficiencies resulted from unfavorable market fluctuations that occurred during 2008.

**Note 13 - Lease obligations:**

The League leases warehouse space, office space and office equipment under operating leases with monthly payments ranging from \$464 to \$4,265 which expire at various times through July 2012. Total operating lease expense was \$89,790 and \$91,123 for the years ended December 31, 2009 and 2008, respectively.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 13 - Lease obligations (concluded):**

The following are future minimum lease payments due under noncancelable operating leases as of December 31, 2009:

<u>Year Ending December 31,</u>	
2010	\$ 82,424
2011	35,695
2012	11,405
	<u>\$ 129,524</u>

**Note 14 - 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 each of the years ended December 31, 2009 and 2008.

A member of the Board of Directors provided investment advisory services to the League in the amount \$38,618 and \$40,323 during the years ended December 31, 2009 and 2008, respectively.

THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

SCHEDULES OF EXPENDITURES  
YEARS ENDED DECEMBER 31, 2009 AND 2008

	<u>2009</u>	<u>2008</u>
Salaries, compensation and benefits	\$ 6,397,511	\$ 6,112,775
Publication costs	2,395,004	2,507,664
Shipping and forwarding costs	1,537,047	1,557,319
Communication and postage	669,941	660,085
Other	501,377	514,075
Legal and professional fees	474,094	525,743
Office supplies and expenditures	468,189	563,363
Occupancy costs	447,322	438,636
Administrative expenses	417,286	408,041
Travel	360,202	327,169
Depreciation	262,648	332,464
Rentals and equipment maintenance	185,099	172,796
	<u>                  </u>	<u>                  </u>
Totals	<u>\$ 14,115,720</u>	<u>\$ 14,120,130</u>

See Report of Independent Public Accountants.



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**  
**TEMPORARILY RESTRICTED FUND SUMMARY**  
**YEAR ENDED DECEMBER 31, 2009**

Fund Name	Balance 1/1/09	Contributions	Investment Income, net	Change in Unrealized Gain	Released from Restriction	Balance 12/31/09
H.P. Maxim Award	\$ 35,352	\$ -	\$ 1,466	-	\$ (1,500)	\$ 35,318
Project Goodwill	12,233	-	-	-	-	12,233
Exceptional Merit	982,781	-	45,317	139,625	(20,000)	1,147,723
Legal Research & Resource	154,916	845	-	-	(1,865)	153,896
Starr Technology	4,081	-	-	-	-	4,081
Rinaldo Technology	1,000	-	-	-	-	1,000
ARRL SAREX	6,709	-	-	-	-	6,709
Educational Activities	3,580	-	-	-	-	3,580
Ham Aid Fund	3,557	2,156	-	-	-	5,713
Defense of Frequencies	-	290,214	850	-	(291,064)	-
Lab Fund	9,973	1,421	-	-	-	11,394
Education and Technology	282,554	225,017	-	-	(272,981)	234,590
Steven Rich Fund	10,000	-	-	-	-	10,000
Direction Finding	41	-	-	-	-	41
Colvin Fund earnings	-	-	6,145	17,880	(6,000)	18,025
W1AW Fund earnings	-	-	11,514	486	(12,000)	-
<b>Total Temporarily Restricted Funds</b>	<b>\$ 1,506,777</b>	<b>\$ 519,653</b>	<b>\$ 65,292</b>	<b>\$ 157,991</b>	<b>\$ (605,410)</b>	<b>\$ 1,644,303</b>

See Report of Independent Public Accountants.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**  
**TEMPORARILY RESTRICTED FUND SUMMARY**  
**YEAR ENDED DECEMBER 31, 2008**

Fund Name	Balance 1/1/08	Contributions	Investment Income, net	Change in Unrealized Loss	Released from Restriction	Balance 12/31/08
H.P. Maxim Award	\$ 33,885	-	1,467	-	-	35,352
Project Goodwill	12,233	-	-	-	-	12,233
Exceptional Merit	1,233,185	-	45,369	(255,773)	(40,000)	982,781
Legal Research & Resource	156,561	1,055	-	-	(2,700)	154,916
Starr Technology	4,081	-	-	-	-	4,081
Rinaldo Technology	1,000	-	-	-	-	1,000
ARRL SAREX	6,709	-	-	-	-	6,709
Educational Activities	3,580	-	-	-	-	3,580
Ham Aid Fund	1,325	2,232	-	-	-	3,557
Defense of Frequencies	-	303,405	928	-	(304,333)	-
Lab Fund	7,382	2,591	-	-	-	9,973
Education and Technology	307,437	235,533	-	-	(260,416)	282,554
Steven Rich Fund	10,000	-	-	-	-	10,000
Direction Finding	41	-	-	-	-	41
Colvin Fund earnings	30,481	-	6,545	(34,026)	(3,000)	-
W1AW Fund earnings	58,939	-	12,081	(35,752)	(35,268)	-
Total Temporarily Restricted Funds	<u>\$ 1,866,839</u>	<u>\$ 544,816</u>	<u>\$ 66,390</u>	<u>\$ (325,551)</u>	<u>\$ (645,717)</u>	<u>\$ 1,506,777</u>

See Report of Independent Public Accountants.



***ARRL — Devoted Entirely to Amateur Radio***

## **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



For More Information Contact:

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**fax: 860-594-0259**

**[www.arrl.org](http://www.arrl.org)**

**[hq@arrl.org](mailto:hq@arrl.org)**