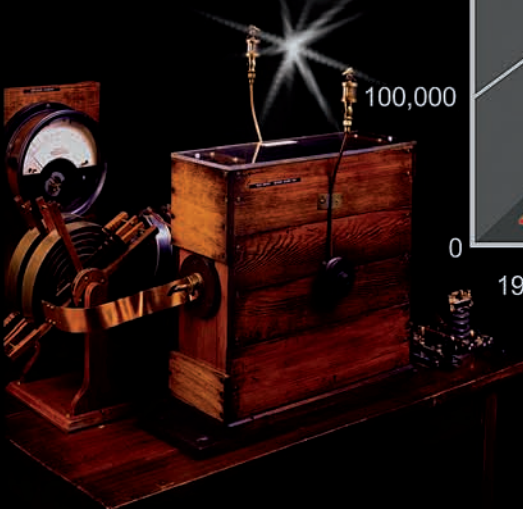
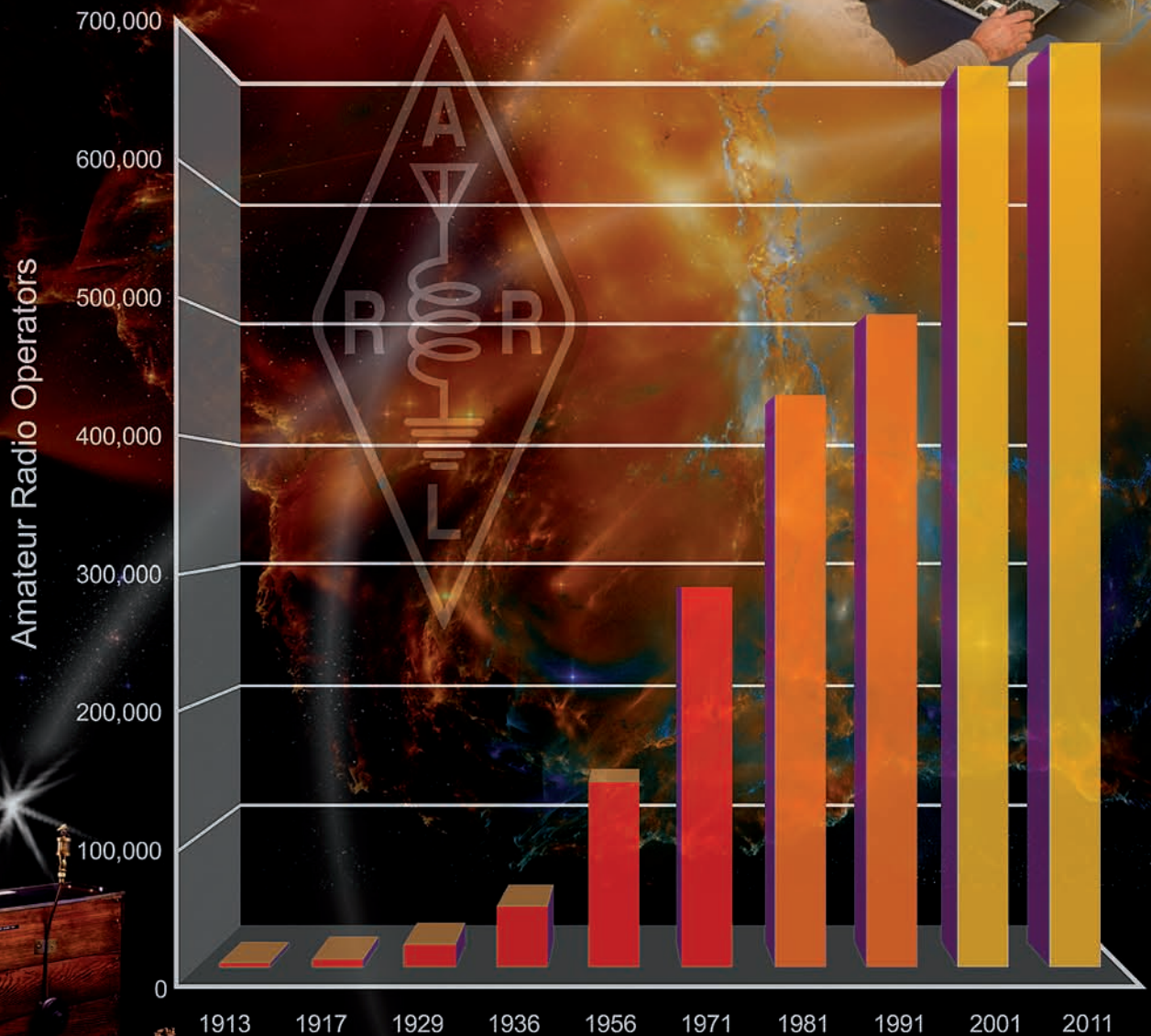


# 2011 Annual Report

*Devoted Entirely to Amateur Radio*



American Radio Relay League



# Annual Report

# 2011

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## About the Cover:

Before 1912, radio amateurs made up their own unique call signs. Hiram Percy Maxim's self-assigned call was SNY. Not until the Radio Act of 1912 were the first licenses issued and Irving Vermilya, 1ZE, received "Skill Certificate No. 1." The first woman ham we know about was Graynella Packer who worked aboard the SS *Mohawk*. In 1913 there were 1,322 licensed Amateur Radio operators but by 1917 there were about 6,000 licensed radio amateurs listed in the federal call book.

The 1950's are considered by some to be the "Golden Age" of Amateur Radio, but the number of licensed radio amateurs in the US in 1956 was only about 140,000. In the past 40 years, the number of US Amateur Radio operators has continued to grow.

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- |                          |                          |
|--------------------------|--------------------------|
| • December 1971: 285,000 | • December 2001: 683,000 |
| • December 1981: 433,000 | • December 2011: 702,056 |
| • December 1991: 494,000 |                          |
- 

We realize that these numbers always included some who were no longer active in Amateur Radio. However, a recent survey of ARRL members indicates that more than 80 percent of those responding are active.

**Sources:** print editions of *Radio Amateur Callbook*; [www.ah0a.org](http://www.ah0a.org); Carole E. Scott, *State University of West Georgia in the The History of the Radio Industry in the United States to 1940*; *Modern Electrics*, January 1910, page 471; *US Department of Commerce Amateur Radio Stations of the United States, 1913, 1917.*



## A Message from ARRL's President

When I left Connecticut after our January 2011 meeting, I had some things in mind and I supposed there would be ample time to work on them. However, those plans went out the window when we learned about H.R. 607, the first domestic threat to Amateur Radio spectrum privileges on a popular band, in this case, 420-440 MHz, in many years. For a long time following September 11, 2001, everything in spectrum management was about homeland security and first responders. More recently, the communications buzz word has been "broadband." H.R. 607, and a few other bills of similar intent that do not affect ham radio, are laced with references to "first responders" and "broadband," a potent word combination that makes many on Capitol Hill jump on the bandwagon without much critical analysis.

Although we were assured all along that we didn't need to worry about H.R. 607, in my view every threat to Amateur Radio spectrum privileges has to be taken seriously, and opposed seriously, until it is buried with a stake in its heart. We now have shown that our grass-roots program can mobilize the membership on a legislative issue and we have learned that talented volunteers will step forward to offer us new ways of promoting grass-roots action at little or no cost to the League. A volunteer produced an informational video about the bill that could be viewed or downloaded. Another volunteer created letter-generating software that continues to be enhanced. In addition to these volunteer efforts, we initiated a legislative affairs e-newsletter from Headquarters to keep members informed about what is going on and what we would like them to do about it. When we need to activate our grass-roots network for the next threat or opportunity, we know it will work. Possibly, even more capabilities will be added as members grow more attuned to legislative action and are moved to offer their expertise to our tool box.

Among the League's legislative objectives in 2010 and 2011 was enactment of federal legislation authorizing a study to evaluate our emergency capabilities. Although early in 2011 we had reason to think that this legislation might just fly through this session of Congress and be presented for the President's signature, the inflamed and toxic conditions on Capitol Hill stalled our legislation's progress. We will continue in 2012 to pursue all avenues for getting this legislation through the Congress, whether as a stand-alone bill or as part of other legislation.

The good news for Amateur Radio is that because the wireless industry has exploded, Amateur Radio now makes sense to students in science, technology, engineering and math, drawing into Amateur Radio the technically oriented students who are aiming at careers in the wireless industry. The bad news for Amateur Radio is that because the wireless industry has exploded, the industry has a voracious appetite for spectrum above 30 MHz. The ARRL will face the continuing challenge of deciding how to apply finite resources to the defense of spectrum. The ARRL has never shrunk from a challenge and we aren't going to start now as we stand on the doorstep of our second century.

2011 was also busy with the unforeseen need to identify a candidate for Treasurer. The Board, we and our predecessors going back three decades, were extraordinarily fortunate to have Jim McCobb not only as our Treasurer but also as an all-around straight shooter. I will miss his wisdom, his trenchant Yankee wit, and his absolute inability to talk baloney.

I look forward to working with you as we prepare to celebrate our first century and begin our second one. Thank you to all our members for what you do for Amateur Radio.

Respectfully submitted,

A handwritten signature in cursive script that reads "Kay Craigie".

Kay Craigie, N3KN  
President

# Annual Report

Devoted Entirely to Amateur Radio

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## Annual Report of the Chief Executive Officer for 2011

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

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

That is the Core Purpose of the ARRL as adopted by the Board of Directors in July 2009. The ARRL does not exist for its own sake. Our association was created nearly a century ago, in the spring of 1914, initially simply for the purpose of organizing amateur stations willing to relay messages for one another in order to overcome the range limitations imposed by the primitive technology of the time. Its scope soon expanded. When the League was incorporated in the state of Connecticut in January 1915 its purposes were: "The promotion of amateur radio telegraphy, the organization of amateur radio telegraph stations, the promotion and regulation of amateur radio inter-communication, and of the relaying of messages from station to station, and the printing and publishing of documents, books and pamphlets necessary or incidental to any of the above purposes." While we say it differently today, the ARRL has remained close to its roots throughout its entire existence. I believe this is why Amateur Radio continues to flourish.

And flourish it does. Despite challenges on many fronts, Amateur Radio and the ARRL were in better shape at the end of 2011 than at the beginning. In September we reached a milestone in amateur licensing with 700,000 individuals licensed by the FCC and reached 702,056 at the end of December, up 0.86% for the year. While no one would claim that there are that many active radio amateurs—the 10-year license term is but one of several factors that inflate the figure—the fact that the number is larger than ever is still significant.

ARRL membership also grew during the year, coincidentally by exactly the same percentage. While membership is still short of its all-time high we have achieved five straight years of growth, straight through the recession. This record of success is testimony to the professionalism of our membership staff as well as to the diligent efforts of everyone, volunteer and staff alike, who contributes every day to a positive image of the ARRL in the Amateur Radio community.

The ARRL had a very positive year financially. It is best to regard this as a cushion against the fact that the next couple of years are unlikely to be as rosy. Our major revenue sources are not increasing and both advertising and publications sales revenues are vulnerable to the impact of digital publishing; we are doing remarkably well on both counts but cannot expect this to continue indefinitely. Voluntary contributions from members who have the means and the motivation to provide financial support above and beyond the basic membership dues are an important part of our fiscal equation.

During 2012 we will meet the challenges of digital publishing head on by introducing, at no additional cost to members, an online edition of our *QST* membership journal. We will support the International Amateur Radio Union in its efforts at the 2012 World Radiocommunication Conference to defend our all-important frequency allocations and to seek a new one, just below 500 kHz. We will continue to defend amateurs' access to the radio spectrum in the face of growing pressure to expand the frequencies available for mobile broadband. We also will accelerate our planning for a memorable celebration of the ARRL's Centennial in 2014, not only to honor the past but to set the stage for an equally exciting Second Century.

I am grateful for the support of our outstanding Headquarters and Fairfax staffs and for the understanding and support of the volunteer members of the Board family. I have often said in the past that the ARRL then had its best staff ever. It is not a contradiction to say the same today.

Sincere 73,

A handwritten signature in black ink that reads "David Sumner". The signature is written in a cursive, flowing style.

David Sumner, K1ZZ  
Chief Executive Officer





Membership recruitment is integrated into many ongoing activities:

- ARRL-affiliated radio clubs participate in the Club Commission Program, signing club members for ARRL membership. Clubs keep a portion of the dues for each new member or renewal.
- ARRL Volunteer Examiners distribute membership invitations following an exam session. The invitation includes a special signing incentive for exam candidates.
- ARRL Field leadership sponsor local membership boosters. Clubs earn fun prizes and recognition for achieving top levels of ARRL membership recruitment.
- Daily visitors to ARRL Headquarters in Newington, Connecticut enjoy the hospitality of local volunteers, receiving tours and helpful technical advice.

*Beginning of 2011—156,475 members*  
*Year-end 2011—157,813 members*



ARRL's Sales and Marketing Department  
 Left to right: (Back): Bob Inderbitzen NQ1R, Mark Dzamba KB1FMY, Cathy Stepina, Ally Riedel, Diane Petrilli KB1RNF (Front): Amy Hurtado KB1NXO, Jackie Ferreira KB1PWB, Kim McNeill KB1WUX, Magdalena Owczarska, Penny Harts N1NAG

## The Year in Review

### ARRL Membership: Supporting Active Radio Amateurs

For the fifth consecutive year, the ARRL membership rolls grew, totaling 157,813 members by year end—a membership high since 2002. Growth can be attributed to high retention, strong levels of new licensees, and the aggregate of our direct marketing acquisition activities.

#### Guest Website Access

The new ARRL website has contributed to positive membership results. The site welcomes newcomers to create an online “guest” account, intended to help introduce new and prospective hams to the breadth of information and resources available to ARRL members. In 2011, regular e-mailings with targeted appeals to these users resulted in 541 new memberships.

#### New Benefits

In September, we introduced a “Happy Birthday” themed postcard, mailed to domestic members who have shared their birth date with ARRL with an offer for a publication. The postcards have been well received and feedback has been extremely positive.

#### Targeted, Refined Marketing Appeals

Our ongoing effort to refine and test all membership solicitations, campaigns, renewal notices, appeals and other messaging is paying off. We continue to mine our databases, preparing more targeted membership appeals than ever to non-members, active ARRL Volunteer Examiners, publications customers, ARRL-registered schoolteachers and instructors, prospective radio amateurs, and non-member QEX and NCJ subscribers. These efforts, in conjunction with the application of increasing levels of sophisticated analysis, have contributed to incremental improvements to acquisition and retention.

Other efforts that have boosted membership include:

- Membership appeals that are tied to messaging that encourages license upgrading
- Improvements to the format of renewal notices
- New membership promotion tools for use at license exam sessions

#### Affinity Membership Programs

Efforts to promote and service our existing suite of Affinity Membership Benefits continued throughout 2011. In July, the Administration and Finance Committee approved our recommendation to increase affinity benefit offerings by adding a few online discount programs for members. A small number of these benefits were introduced in October and our efforts to identify additional discount programs will continue. These programs offer ARRL members “association discounts” or other sale and promotional pricing. ARRL earns a commission on purchases that follow as a result of our website referrals.

#### Volunteer Tour Guide Program

We continue to enjoy the support of 20 volunteers as part of the HQ volunteer “Tour Guide” program. We enjoy getting regular “thank you” correspondence from members and clubs that have enjoyed tours of HQ and W1AW conducted weekdays by these enthusiastic and dedicated volunteers.

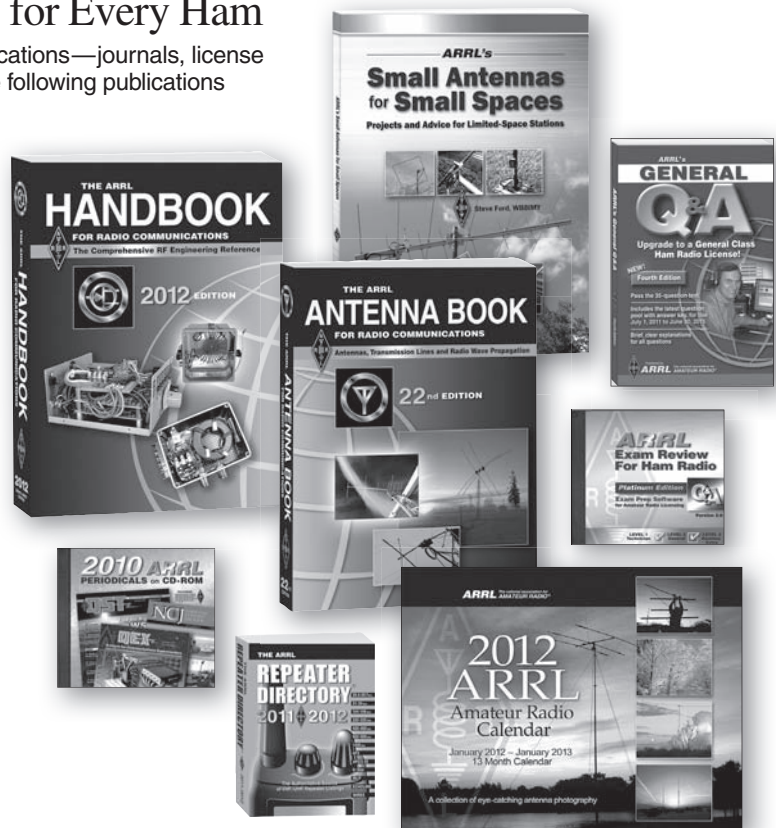
# Annual Report

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## 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 2011:

- 2010 ARRL Periodicals CD-ROM
- General Class License Manual and General Q&A
- ARRL Exam Review CD-ROM
- 2011-2012 ARRL Repeater Directory
- TravelPlus CD-ROM, Version 15.0
- Small Antennas for Small Spaces
- 2010 DXCC Yearbook
- ARRL Antenna Book, 22nd Edition
- The 2012 ARRL Handbook for Radio Communications
- Hamspeak Dictionary
- The ARRL Introduction to Emergency Communication Course—4th Edition
- ARRL Exam Review for Ham Radio Download
- 2012 ARRL Amateur Radio Calendar
- The ARRL DXCC List—July 2011 Edition
- DIY Magic of Amateur Radio DVD



ARRL News Editor  
S. Khrystyne Keane, K1SFA

## ARRL News: Keeping Involved Members Informed

ARRL promotes an active, not just passive, life within the Amateur Radio community by providing members with current information that has been carefully vetted and documented.

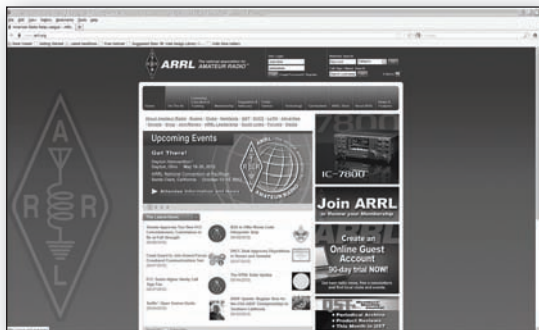
### *The ARRL Letter*

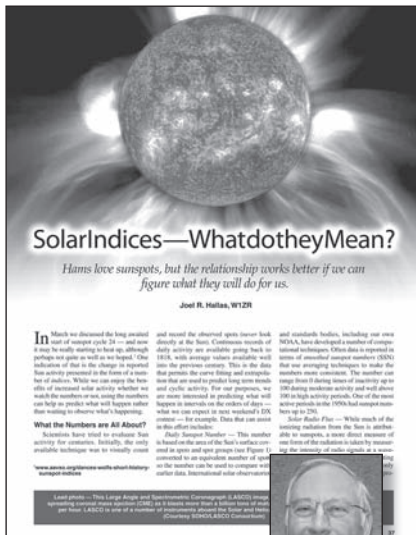
Sent at no charge via e-mail 50 times each year to the more than 76,000 ARRL members who elect to receive it, *The ARRL Letter* is the standard bearer for current Amateur Radio news. *The Letter* offers a thorough and reliably accurate overview of the latest news of importance to ARRL members and to the Amateur Radio community in general. Other Amateur Radio news outlets often cite *The ARRL Letter* in their own reports.

### Breaking, Current News on the ARRL Website

The ARRL Web home page features a “news crawl”—continually updated news of interest to the Amateur Radio community. The site attracts approximately 375,000 unique visitors each month; “page views” are around 160,000 per day. Ranked by page views, Amateur Radio news is the most-visited area. A monthly digest, “ARRL in Action,” summarizes the previous month’s ARRL activities on behalf of its members.

(continued on next page)





ARRL Technical Editor  
Joel R. Hallas, W1ZR



### 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," "The World Above 50 MHz" and "Exam Info," focus on special-interest news. Feature articles report on news of major events, such as the semiannual meetings of the ARRL Board of Directors.

### The ARRL Audio News Webcast/Podcast

The weekly ARRL Audio News provides a digest of top news each week in radio newscast format for airing on repeaters and nets. This service is available from the ARRL website as well as via telephone. Almost 250 repeaters and other Amateur Radio outlets in the US and around the globe reported that they were airing our ARRL Audio News in full or in part. The League also makes ARRL Audio News available as a podcast (for downloading to an MP3 player), a service members have indicated they want and enjoy.

### ARRL/W1AW Bulletins

Our 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** This year saw continuing design and editorial improvements to *QST*. Members can vote for their favorite article in each issue via the website. The author of the article receiving the most votes wins the Cover Plaque Award. The *QST* web page, [www.arrl.org/qst](http://www.arrl.org/qst), also features links to the Product Review archive, a table of contents of the current issue and an Authors Guide. Several special issues earned highly positive reactions: DIY (Do It Yourself) in January, Antennas in March, Emergency Communications in September and DXing 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 six times a year. Edited by Larry Wolfgang, WR1B, *QEX* continues to provide the premier technical content Amateur Radio operators worldwide have come to expect.

**NCJ** *National Contest Journal, NCJ*, is published six times a year and continues as a prime source of information for its subscriber base of radio contest enthusiasts. Under the editorship of Al Dewey, K0AD, *NCJ* introduced new authors and many new topics in 2011. In late 2011, Al Dewey turned the editorship over to Kirk Pickering, K4RO.

### Social Media

**Facebook** First created by Herman May, KE5HYW, of Garland, Texas, the ARRL Facebook page ([www.facebook.com/ARRL.org](http://www.facebook.com/ARRL.org)) is maintained by a team at ARRL HQ. The page features news items from the ARRL website, interactive status updates and QRV notices from W1AW, as well as photos from ARRL events and more. Hams from all over the world also post to the page. At the start of 2011, there were 14,878 fans of the ARRL Facebook page. By year-end, there were more than 22,000.





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**Twitter** The ARRL has seven Twitter accounts: [twitter.com/arrl](https://twitter.com/arrl) (8000 followers), [twitter.com/w1aw](https://twitter.com/w1aw) (3300 followers), [twitter.com/arrl\\_youth](https://twitter.com/arrl_youth) (800 followers), [twitter.com/arrl\\_emcomm](https://twitter.com/arrl_emcomm) (2800 followers), [twitter.com/ARRL\\_DXCC](https://twitter.com/ARRL_DXCC) (1100 followers), [twitter.com/ARRL\\_PR](https://twitter.com/ARRL_PR) (730 followers) and [twitter.com/VUCC](https://twitter.com/VUCC) (360 followers). These accounts give periodic short updates in fewer than 140 characters. [Twitter.com/arrl](https://twitter.com/arrl) is fed via the RSS feed on the ARRL website and posts updates and links to each story that is posted on the website within minutes.

**YouTube** The ARRL also hosts a channel on YouTube ([www.youtube.com/ARRLHQ](http://www.youtube.com/ARRLHQ)), featuring almost 70 videos. These videos range from product reviews to public relations events to interviews. More than 1100 people are subscribed to the channel, and its videos have been viewed more than 230,000 times.



## Membership and Volunteer Programs

### Awards and Operating

Dave Patton, Sharon Taratula and Chief Operating Officer Harold Kramer spent the last half of 2011 improving MVP award processing operations. The result is that the Awards Branch of MVP is currently running smoothly despite the challenges of an increased work load as more members achieve and apply for awards.

During most of the year, the DXCC paper card processing time was only two to three weeks. Even with the usual crunch of year-end applications, the delay only became four to five weeks. This is a substantial improvement over last year's results as the number of DXCC applications received was significantly higher this year (10,854). Meanwhile, Logbook of the World (LoTW) applications are being processed within five business days or less.

We also finally reached the full number of budgeted staff positions in the Awards Branch. In addition, Dave Patton and the management team cross-trained the MVP staff in order to distribute the various tasks. The Extra Class Certificate Program and the Silent Key administration were moved to the VEC Department. The A1 Operator Award administration was passed to David Kaplan, WA1OUI, one of our volunteers.

Additional operational improvements were implemented, including improving the telephone routing by adding a telephone "hunt group." This spreads the telephone calls among additional staff. All of the telephone calls that come in via the main ARRL phone numbers are now routed to the Member Services Team. They prescreen the calls to assure that they are being routed to appropriate departments before being forwarded. The DXCC e-mail routing was also improved to lessen the workload on the Awards Manager and to speed up our e-mail response to members. Now, DXCC award inquiries are separated by category and routine inquiries are answered by staff members and not just the Awards Manager.

Bill Moore, Norm Fusaro and Katie Glass extensively revised the DXCC Web Pages and Logbook of the World website section. These pages are now easier to use and navigate, and they answer the most frequently asked questions about these programs.

While DXCC processing has improved, the Awards Branch staff still is working to keep up with LoTW support since the number of LoTW users has increased from 38,000 users at the beginning of the year to almost 47,000 users at the end of the year, a 9,000 user increase. Currently, LoTW e-mail and telephone support requires almost two full time staff members. The LoTW support team of Kathy Allison and Norm Fusaro handled over 36,000 support e-mails and just shy of 5,000 telephone calls this year.

(continued on next page)



ARRL MVP Staffers standing outside of W1AW.

### 2011 DXCC

<i>Credits Received for Processing</i>	1,250,864
<i>Credits Processed</i>	1,305,960
<i>Applications Received</i>	10,854
<i>Applications Processed</i>	11,175

### Logbook of the World

<i>Registered Users in System</i>	46,638
<i>Total QSO Records</i>	391,690,570
<i>Logs Processed</i>	2,740,687
<i>Active Certificates</i>	69,973

### VUCC

<i>VUCC Applications</i>	525
<i>Grids Credited</i>	44,156

### WAS

<i>WAS Certificates</i>	437
<i>WAS Triple Play</i>	154





Control Operator Bill Wetherill, N2WG, supervises 6th grader Jerika Brown in a 40 meter QSO while 8th grader Samantha Cliff logs during 2011 School Club Roundup at Roger Bacon Academy, a charter school in Leland, North Carolina.

*The biggest news for 2011 by far is the ARRL 10 Meter Contest. With 2 weeks still to go until the log submission deadline, we already had shattered the previous submission record by over 2,000 logs!*



Veteran contester and ARRL member Steve Cole, GW4BLE, has a very potent signal out of Wales. Many have worked Steve in a contest for their very first GW QSO.



ARRL Emergency Preparedness Manager Mike Corey, W5MPC, and Ward Silver, N0AX, operate W1AW during the ARRL Sweepstakes.

Overall, all award activity increased significantly this year. We attribute this to better propagation, the addition of five new DXCC entities and increased familiarity and usage of Logbook of the World. The LoTW registered users and logs processed are at all-time highs.

### Club Activities

There are now 2,276 ARRL Affiliated Clubs. Affiliated Club processing has improved by reassigning a staff member to work on club data for approximately 15 hours a week and the IT Department's improved club data system. The "Big Club List" is functional again and provides a searchable database for finding local club contact information.

In 2011, we supported 67 ARRL-sanctioned conventions and 401 ARRL-sanctioned hamfests. The Marketing Team routinely features Division level conventions on the ARRL home page.

### Contests

2011 was a roller-coaster ride for the Contest Branch. Initial log submissions seemed to plateau for the first part of 2011 with submissions for Straight Key Night and the RTTY Roundup on par with 2010 numbers. ARRL DX logs were down nearly 500 from 2010 totals but were still the second-highest log total since 1985. Then the sunspots returned and log submissions skyrocketed for HF events. We received the highest-ever number of entries for ARRL's Field Day (2,666) and the IARU HF Contest (3,921). The ARRL November Sweepstakes held their own with just over 3,200 entries in 2011, good for 4th all-time. Entries for the ARRL 160 Meter Contest were within the 5-year average. The biggest news for 2011 by far is the ARRL 10 Meter Contest. With 2 weeks still to go until the log submission deadline, we already had 4,750 entries, shattering the previous submission record by over 2,000 logs!

On the VHF/UHF side, the story is not so bright. Log submissions for ARRL contests above 50 MHz dropped to 2,775, the lowest since 2007. The biggest losses were in the January VHF, September VHF and the August UHF contests (down a stunning 50% from 2010). The 10 GHz and EME contests were within 5-year averages, at 119 and 133 entries, respectively. Despite the bad news on the VHF/UHF front, the overall number of logs received for 2011 was 27,407, an increase of 6% since last year.

The Rookie Roundup series, contests aimed at radio amateurs licensed for three years or less, concluded its second year in 2011. Voice contacts (SSB) continue to be the most active of the three events (one for SSB, CW and RTTY per year). Response to the Rookie Roundup concept has been very positive and, with the low overhead required by the staff, this event is a win-win event for the ARRL and the newly licensed contester. Feedback from the contest community has led us to consider adding a Multioperator category and allowing Team Competition (five single operators working towards a cumulative score). These two proposals will go before the Programs & Services Committee in 2012.

### Field Organization

The strength of the ARRL comes from its field volunteers. Working at the local, Section and Division levels, at the conclusion of 2011 the ARRL Field Organization was 7,852 appointees strong. Field Organization Team staff Leona Adams, Chuck Skolaut and Steve Ewald provide administrative support and guidance to these volunteers. In addition, seven balloted Section Manager elections were conducted in 2011.

Multiple severe weather outbreaks that featured tornados in the South and Midwest during the spring, flooding and high wind damage from a hurricane and a tropical storm in late summer and an unusual late October snow storm in the northeast, headlined the emergency responses that involved ARES members and Field Organization leaders along with Headquarters' support. With these recent emergencies in mind, the annual ARRL Simulated Emergency Test was conducted across the country in October and throughout the autumn season. The 13th SKYWARN Recognition Day,

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co-sponsored by the National Weather Service and ARRL, was also held on the first Saturday of December.

The ARRL Amateur Auxiliary Official Observer (OO) Training Manual was rewritten and published in the spring of 2011. The OO program, sponsored by the ARRL, has worked for more than 85 years to help Amateur Radio operators assist each other to operate their stations in compliance with Federal Communications Commission (FCC) regulations. The object of the OO program is to notify amateurs of observed operating and technical irregularities before they come to the attention of the FCC.

## ARES®

A goal of the Emergency Preparedness office in 2011 was to expand the ARRL's presence with served agencies and professional emergency communications agencies. The addition of a second EmComm staffer, Ken Bailey, K1FUG, helped further that goal and improves our responsiveness to our members and the ARRL Field Organization volunteers. Also to that end, the Emergency Preparedness branch continued working with national level served agencies and national level partners. These included:

- Army MARS
- International Association of Emergency Managers (IAEM)
- National Volunteer Organizations Active in Disasters (NVOAD)
- National Weather Service

In person visits and meetings were enjoyed with:

- National Public Safety Telecommunications Council
- WX4NHC and the National Hurricane Center
- National Volunteer Organizations Active in Disasters
- SKYWARN Recognition Day at the Taunton, Massachusetts National Weather Service (NWS)
- International Association of Emergency Managers

## Response Activities

2011 saw two major natural disasters in the northeast that affected HQ operations: Hurricane Irene and the October nor'easter. During Irene, the ARRL HQ Emergency Response Team was activated and W1AW was staffed over the weekend to provide assistance to affected sections and to serve as a local resource. Prior to Irene's landfall, conference calls were held with the affected sections' leaders and daily e-mails went out to the sections with the latest news compiled by HQ staff through the storm event. W1AW served as a relay station for HF nets, monitoring traffic nets and submitting reports to the National Hurricane Center and the Taunton, Massachusetts National Weather Service office. Hurricane Irene activities also included providing Ham Aid equipment assistance to the Vermont Section and assisting the Eastern New York Section in locating volunteers. While this level of activation was not needed during the October nor'easter, the early wet snow caused widespread power outages lasting more than a week that affected many HQ staff.

## Ham Aid

Ham Aid equipment helped support ARES operations in Vermont and Eastern New York following Hurricane Irene.

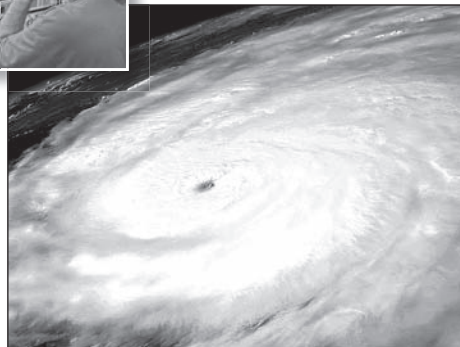
Using funds raised from the sale of older Icom Ham Aid equipment in an ARRL Auction, we purchased new Ham Aid equipment including four Signalink USB digital mode interfaces, three Icom IC-7000 radios, and three Icom IC-208Hs. Ham Aid HF equipment kits have also been pre-positioned in Oklahoma and are available for deployment when needed. Ham Aid distribution guidelines and a formal request process have been created, providing clarity and a published path for members requesting these assets in an emergency.



Santa Cruz ARES team member Don Taylor, K6GHA, discussing evacuation center operations with Paul Horvat —Director of the Emergency Operations Center.



ARRL Contest Branch Manager Sean Kutzko, KX9X, part of the HQ Emergency Response Team, helped staff W1AW during Hurricane Irene. Photo by Mike Corey, W5MPC



The eye of Hurricane Irene, as seen from the International Space Station on August 24.

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W1AW station manager Joe Garcia, NJ1Q, operating at W1AW.

### Other Activities

Also in 2011, a final draft of the ARRL HQ Emergency Response Team plan was prepared. This plan addresses how ARRL HQ staff will respond to support the Field Organization during a large scale disaster. It draws from the experience of staff members who were involved in the HQ responses to Hurricanes Katrina and Gustav and the 2010 Haiti earthquake. This plan is also being updated to incorporate recent lessons learned from Hurricane Irene and the October nor'easter.

Our *ARES E-letter*, with information about emergency communications issues, now has a circulation of 37,368 readers and is available in audio format as well as via e-mail.

### W1AW

W1AW's on-air participation in 2011 included ARRL Field Day where 3,347 contacts (QSOs) were made on 80 through 2 meters using CW, SSB and RTTY. W1AW was active in the ARRL Phone Sweepstakes and 538 QSOs were made with 71 sections on 80 and 20 meters. The station was also active in the ARRL 160 Meter Contest and 945 QSOs were made. W1AW was called into service during Hurricane Irene's trek up the East Coast. Along with HF, the station was active on EchoLink and the CT ARES 2 meter net. W1AW also participated in the October Simulated Emergency Test (SET) on both HF and *EchoLink*.

In our ongoing efforts to integrate social media with our organization, when applicable, real time information detailing activities at W1AW and visitors is now frequently posted on both the ARRL Facebook page and the W1AW Twitter account (#ARRL\_W1AW). In addition, W1AW also sends out regular bulletins with information of use to radio amateurs.

The early autumn nor'easter in October damaged several of W1AW's antennas. XX Towers Inc. performed the autumn antenna and tower inspections. Meanwhile, we gratefully received a new Yaesu FTdx5000 HF/6m transceiver that was donated to W1AW by Yaesu in October.

### Media and Public Relations

If you remember the AOL blog from a few years ago in which Amateur Radio was listed as #17 of the things "Disappearing from America," the shoe is now on the other foot. Just as media once piled ashes onto our grave, the media now is reporting Amateur Radio being very much alive. The Amateur Radio Service, with 700,000+ American licensees, continued significant growth and a firm place in the culture. In 2011, NPR, Fox News, National Geographic, **EDN.com** and other national outlets reported on a good laugh at the errant AOL predictions about ham radio.

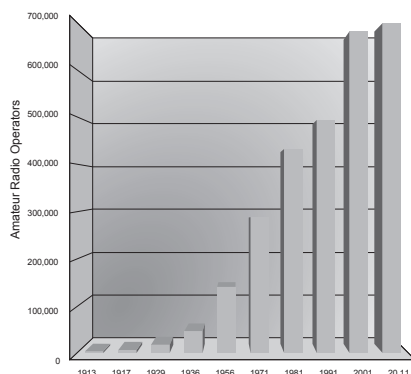
Emergency operations are still the #1 media draw for Amateur Radio. While other activities are promoted, it was our emergency capabilities that were used in support of the H.R. 607 issue and also used in antenna controversies. The unfortunate incidents in Japan, a country with a highly developed infrastructure that urgently called on Amateur Radio because ham radio was all that worked in many locations, should open eyes here too.

### PIO Support

Our hundreds of ARRL Public Information Officers (PIOs) scattered around the country are the basis of our media strategy. There are 463 subscribers to the **PR@arrl.org** e-mail reflector and 700+ following us at #ARRL\_PR on Twitter. *CONTACT!*, the monthly e-zine for PIOs, continues to be published and the PR-101 online course now has over 120 graduates. Updating the contents, moving them to the ARRL servers and hosting for the three primary promotional websites, **Hello-Radio.org**, **WeDoThat-Radio.org** and **Emergency-Radio.org**, was completed in 2011.

Media & PR receives hundreds of e-mails weekly from members on all sorts of topics, from helpful ideas to requests for information or materials. Our goal is that

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





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each gets an individualized reply, however brief. The recent provision of a special place for large media downloads on the ARRL servers at <http://p1k.arrl.org/pub/pr/> continues to be most helpful. It was used extensively in the distribution of the H.R. 607 video, mentioned earlier in President Craigie's report, and done with the help of Albert Petrunti, KA1TCH. It is another example of what can be accomplished with short video promotions.

## Field Day

We continue to keep topping ourselves in Field Day media coverage. This year we had a TV focus for the national wire release—and it paid off. In addition to record numbers of media hits, seventeen governor or state legislative proclamations about Amateur Radio Week were obtained (TX, NC, MN, ID, RI, NH, WA, PA, LA, IN, NM, OH, GA, MA, CA, SC and CO).

## The DIY Magic of Amateur Radio

The main project of 2011 was the development of a special outreach to the growing Maker/Hacker communities. These Do It Yourself (DIY) people have a lot in common with hams. So, with the help of Producer Bill Pasternak, WA6ITF, and Director Dave Bell, W6AQ, we created a brief presentation video showing the creative, technological side of Amateur Radio, "The DIY Magic of Amateur Radio." As with previous campaigns, a suite of supportive materials from Power Points and speaker's notes to brochures and buttons was also created to support our volunteers in their DIY promotional activities. The campaign launched on December 27 and appears to be a major hit. The good news is that being a "geek" has now become "cool"—and there are a lot of them.

## ARRL Supports Amateur Radio Licensing

The Volunteer Examiner Coordinator (VEC) system was created to oversee licensing activities and ensure the ability of the Amateur Service to continue to grow and prosper. The ARRL VEC program is one of 14 in the USA and has maintained a strong and visible presence in the Amateur Radio community. We have over 27 years of service, operating as a knowledgeable information source for a wide range of licensing issues.

## ARRL VEC Program Statistics

ARRL VEC is by far the largest of the Volunteer Examiner Coordinator (VEC) groups in the country, coordinating approximately 70% of all Amateur Radio exams. A total of 6,352 exam sessions were administered in 2011 compared to 6,294 in 2010. 32,187 exam applications were processed in 2011 compared to 32,694 in 2010. Exam elements were down slightly from 41,339 last year to 41,096 this year. Using Skype technology, in 2011 we held two remote exam sessions from Kalaupapa, HI where part of the VE team was at the site and a part of the VE team was at HQ. Kalaupapa is an isolated peninsula located on the island of Molokai in the Hawaiian Islands.

An additional Antarctica remote session was conducted at the end of December at McMurdo Station, the largest community in Antarctica and home of the United States Antarctic science facility. ARRL VEC continues to participate as a member of the National Conference of VECs Question Pool Committee. The five member committee prepared and implemented a revised General class question pool (Element 3) for examination use by the amateur community beginning July 1, 2011 and it will remain valid until June 30, 2015. As one of three FCC-authorized Club Station Call Sign Administrators, ARRL VEC processed and transmitted over 900 club licenses for the FCC in 2011. ARRL is also one of five FCC-authorized 1x1 Special Event Call Sign Coordinators and has processed nearly 90% of the 6,794 Special Events authorized and documented in the National Conference of Volunteer Examiner Coordinators (NCVEC) 1x1 database since the program inception in September 1997.

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Paul Chominsky, WA6PY, looks in on John Musselman, N6EP, inside the Escondido (California) Amateur Radio Society's VHF tent. Photo by Henryk Kotowski, SM0JHF



*Using Skype technology, in 2011 we held two remote exam sessions from Kalaupapa, HI where part of the VE team was at the site and a part of the VE team was at HQ. Kalaupapa is an isolated peninsula located on the island of Molokai in the Hawaiian Islands.*



Irving Vermilya, 1ZE, received "Skill Certificate No. 1" making him the first licensed Amateur Radio Operator in the US.

The first woman ham was Graynella Packer who worked aboard the SS Mohawk.

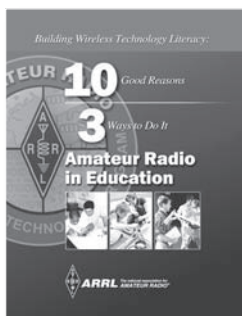
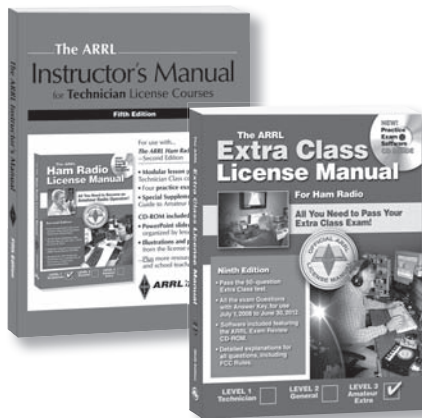




ARRL's VEs Maria Somma, AB1FM, Rose-anne Lawrence, KB1DMW and Steve Ewald, WV1X



John P. Maassen, K9FK, received a Certificate of Achievement for participating in over 100 VE sessions. Photo by Charlie Sears, N9MEW



We have now issued or renewed more than 1,300 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 to the FCC nearly 6,000 address changes and license renewals for ARRL members in 2011. This service to members continues to be a strong draw.

ARRL VEC recorded a 14% increase in US territory and foreign testing activity over 2010 (82 sessions versus 72 sessions). The 2011 overseas testing locations included: Antarctica, Bahamas, Brunei, Costa Rica, Cuba, Ethiopia, Fiji, Germany, Great Britain, India, Italy, Japan, Laos, Marshall Islands, Mexico, Philippines, South Korea, Thailand and Trinidad and Tobago. The Brunei, Ethiopia and Fiji sessions were our first exam sessions conducted in those countries.

### FCC License Statistics

The two tables below illustrate new and upgraded FCC license activity over the past six years. Results through December 31, 2011 demonstrate that successful upgrade applications have remained steady. However, the number of new applications was not as strong as previous years.

NEW FCC LICENSES						
Totals Issued Per Year: 2006 Through 2011						
YEAR	2006	2007	2008	2009	2010	2011
<b>TOTALS</b>	21,112	26,728	28,066	30,144	27,528	24,072

UPGRADED FCC LICENSES						
Totals Issued Per Year: 2006 Through 2011						
YEAR	2006	2007	2008	2009	2010	2011
<b>TOTALS</b>	6,278	24,353	15,501	10,796	10,726	10,337

Despite the reduced initial licensing activity, ARRL VEC added 1,868 new Volunteer Examiners in 2011. The total number of Accredited ARRL VEs has reached an all time high of 35,291 versus 33,822 in 2010. We've seen an increase 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.

## Education Services

### Licensing Instructor Support

A revised edition of the *Instructor's Manual for Technician License Courses* was published in January 2011.

### Continuing Education Program

The Education Department offers two online courses. In April we launched our new Introduction to Emergency Communications online course using the Moodle course management platform. This course was updated and redeveloped for online learning, and designed for online support by volunteer mentors from the ham radio community. It is the foundational course for Amateur Radio volunteers who want to serve their communities in times of crisis when normal communications are compromised or fail. Since launch of the new online course, all the sessions offered have been fully subscribed.

Following the release of the course online, we also implemented procedures for field instruction of the course and field exams. With a goal of making this training available to as many volunteers as possible, this alternative means of obtaining the training

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addresses the varying needs and access capabilities of radio amateurs throughout the country. There were 284 students in 2011.

Our second course, the more advanced EmComm manager's course titled Public Service and Emergency Communications Management for Radio Amateurs, had 54 candidates participating in 2011.

## Education & Technology Program

Our impact in classrooms continues to grow as the reach of our donor funded professional development opportunity, the Teachers Institute on Wireless Technology, expands. The Teachers Institute (TI) program is one component of the grant offerings within the Education & Technology Program portfolio of resources available to schools and schoolteachers to advance the integration of wireless technology literacy and Amateur Radio into school curricula. In 2011 we introduced two new instructors to our ETP team, Matt Severin, N8MS, and Tommy Gober, N5DUX. We offered five Teachers Institute seminars for 55 participating teachers from 24 states. Seminars were held in New Mexico, California, Ohio, New York and at ARRL headquarters in Newington, Connecticut. In addition to the four introductory seminars, we offered one advanced seminar, TI-2 Space in the Classroom, which focused on satellite communications. Each TI-2 participant received equipment to configure a satellite communications station.

In December we offered an additional, special session of the introductory TI to ten teachers from the Canton, MS school district. This session introduced the concepts in wireless technology they needed to prepare them for using Amateur Radio for balloon tracking and data gathering in a district-wide balloon launch project led by Mississippi State University.

The ETP received 13 grant applications last year and awarded 3 station grants and 5 progress grants for a total of \$7,000 of equipment and resources. The ETP is possible only because of the generous donations of individuals and clubs who share in the passion of Amateur Radio and understand its benefit for hands-on learning with STEM (Science, Technology, Engineering and Mathematics) subjects. By the end of 2011 we had provided resources in the form of curriculum materials, professional development and/or grants for radio station equipment and other resources to 590 schools and teachers through this outreach program.



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

2011 was a record year for the ARISS program. The international Amateur Radio satellite volunteer organizations and space agency partners supported a total of 124 world-wide scheduled Amateur Radio contacts between schools and other educational organizations or public events speaking with astronauts on the International Space Station (ISS). This level of activity exceeded the previous record of 121 set in 2009. Twenty-one of the 2011 contacts were with US schools/organizations in Kentucky, New Jersey, Illinois, Indiana, Florida, Louisiana, Colorado, California, New York, Texas and the District of Columbia.

To meet educators' needs to be able to better plan learning activities around participation in the ARISS program, the US partners (ARRL, AMSAT and NASA) rolled out a new proposal process in July that results in selected schools and organizations receiving a commitment for a scheduled Amateur Radio contact with the ISS during a six month calendar period following their acceptance. The NASA Johnson Space Center Education Office's Teaching From Space staff manages the process as well as promotion of the program through its educational channels, with participation from ARRL and AMSAT. Educators who submit proposals for the program must integrate the radio contact event into a well-developed educational plan that includes involving

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Teachers participating in the ARRL's Teachers Institute on Wireless Technology learn how to set up an Amateur Radio station to communicate via satellite.

*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 gives real "hands-on" training to educators.



John J. Maca, AB5SS, Information Technology Team Lead & ISS Chief Information Officer with ARRL COO Harold Kramer, WJ1B, at the Johnson Space Center Amateur Radio Club.





Mission Control Room for the International Space Station. ARISS contacts are officially placed in the ISS schedule by the OPSPLAN Mission Controllers. During high activity periods there is normally one controller at each of the 15 console positions, each supporting a specific technical discipline of ISS operations.



ARRL President Kay Craigie, N3KN, signs the updated *Memorandum of Understanding* between the ARRL and the National Weather Service at the NWS office in Blacksburg, Virginia. With Craigie are NWS Meteorologist-in-Charge David Wert, KB2FZO (left), and NWS Warning Coordination Meteorologist Phil Hysell, K14CKP.

*In addition to supporting our members, ARRL has developed formal relationships with many other organizations.*



ARRL's Senior Lab Engineer Zack Lau, W1VT



ARRL Lab Manager Ed Hare, W1RFI

students in relevant STEM content prior to and following the planned ARISS event. Fifteen U.S. schools were selected by the U.S. ARISS partners in July 2011 to be scheduled for contacts during the first half of 2012.

In January 2011, the ARISSat-1 satellite, designed and built by volunteers in the Radio Amateur Satellite Corporation (AMSAT) with help from ARISS partners, NASA and RSC-Energia, was delivered to the ISS via a Progress mission. ARISSat-1 included a Software Defined Transponder (SDX), built by Amateur Radio volunteers, that relayed several conversations using CW and SSB simultaneously. As part of its educational mission, ARISSat-1 carried a student research project built by the Kursk University in Russia that measured space vacuum. To engage followers in the ham radio community as well as students and educators, the satellite included an FM voice downlink, which cycled between pre-recorded student messages, spoken telemetry and SSTV. The downlink also offered a CW beacon carrying telemetry and call signs of radio amateurs who have made significant contributions to Amateur Radio in space.

At the close of 2011, we are in the process of transitioning many ARISS program responsibilities managed by Rosalie White, K1STO, to HQ staff. Happily, Rosalie will remain as our delegate to the ARRL-ARRISS partnership and will serve as a volunteer.

## Memoranda of Understanding

In addition to supporting our members, ARRL has developed formal relationships with many other organizations. Most of these are for providing aid with emergency communications in disasters, but others are to provide training and educational opportunities for learning about wireless communications. These formal Memoranda of Understanding (MOUs) include:

- American Red Cross
- Association of Public-Safety Communications Officials-International (APCO-International)
- Boy Scouts of America
- Citizen Corps (Department of Homeland Security)
- Civil Air Patrol (CAP)
- Federal Emergency Management Agency (FEMA)
- National Frequency Coordinators Council
- National Volunteer Organizations Active in Disaster (NVOAD)
- REACT International Inc.
- Salvation Army & SATERN
- SKYWARN<sup>®</sup> (National Weather Service)
- Society of Broadcast Engineers (SBE)
- United States Power Squadrons

## ARRL Lab

In 2011, the Lab staff provided significant technical input to our filings in the BPL rulemaking proceeding (ET04-37). In addition to several exhibit papers, this effort included two rounds of field testing IBEC's broadband over power line (BPL) systems in Virginia, Pennsylvania and North Carolina. The systems were found to be operating as much as 40 dB greater than the FCC limits. Manager Ed Hare, W1RFI, also met with General Counsel Chris Imlay, W3KD, and a representative from Bosch about 75 GHz radar systems.

Lab engineers held successful kit building sessions at the Dayton and Plano conventions and, together with W1AW's Joe Carcia, they rebuilt the old OSCAR I prototype and brought it to the AMSAT Symposium in San Jose, California. Seven video interviews

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with various AMSAT people from that meeting are now available on the ARRL web page. The refurbished OSCAR I satellite is now a featured exhibit in the Lab, complete with a working receiver to listen to the Morse code "HI" beacon signal.

The Lab was remodeled early in 2011 and the Lab staff has been creating new exhibits to feature the technical aspects of modern Amateur Radio. Among the more popular displays is the software-defined radio that is now prominently visible when visitors first walk into the Lab. Although a few of the finishing details are still being completed, the area is open for members on tour. It features three working vintage stations and the area will be called "The ARRL Evolution of Amateur Radio Exhibit: Understanding the Past to Help Develop the Future."

The Lab upgraded aging test equipment in 2011. In September, Lab staff purchased a used HP8563EC spectrum analyzer, a crucial piece of equipment used for Product Review testing. (The Lab's existing HP8563E was over 14 years old and could no longer be calibrated precisely.) For similar reasons, the Lab also purchased a reconditioned IFR/Aeroflex 2041 Low Noise Signal Generator. With the replacement of this test equipment, the Lab should be in good shape for the next two to three years.

## Product Reviews

The ARRL Lab tested 29 pieces of equipment for Product Review, including five HF transceivers, one VHF mobile transceiver, four handheld transceivers and 19 other products. According to our most recent research study, *QST* Product Reviews are among the most popular *QST* content. Staff members Bob Allison, WB1GCM, and Steve Ford, WB8IMY, also produce video overviews of these product reviews and regularly post them online and on the ARRL YouTube channel ([www.youtube.com/ARRLHQ](http://www.youtube.com/ARRLHQ)).

## Technical Information Services

Lab staff provided, through the Technical Information Services (TIS), responses to more than 5,000 member questions. It has also ramped up the use of the ARRL technical forums on our web page, allowing members to answer each others' questions. The forums continue to grow and expand the amount and quality of technical information that they contain ([www.arrl.org/forum](http://www.arrl.org/forum)).

Lab Engineer Mike Gruber, W1MG, fielded 267 new inquiries from members about RFI problems, including 62 power-line cases. More than 70 cases were referred to the FCC. Unfortunately, only a handful were resolved.

## International Amateur Radio Union (IARU)

The ARRL serves as the International Secretariat of the IARU. It is appropriate for the ARRL, as the largest and best funded of its member-societies, to shoulder this responsibility. However, that does not mean we do most of the work. IARU President Tim Ellam, VE6SH, is Canadian; Vice President Ole Garpestad, LA2RR, is Norwegian; ARRL's Past President Rod Stafford, W6ROD, now serves as IARU Secretary. The three officers are all volunteers and are supported by a team of additional volunteers from every continent.

For the IARU the year's highlights included the Conference Preparatory Meeting (CPM) for the next World Radiocommunication Conference (WRC) of the International Telecommunication Union (ITU). The CPM was held for two weeks in February for the purpose of preparing a comprehensive technical report setting out various options for addressing the more than two dozen agenda items to be taken up at the WRC in January-February 2012. It was the turn of IARU Region 1 to hold its triennial conference, which took place in South Africa in August—the first Region 1 Conference to be held in Africa. The IARU Administrative Council, made up of the three



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**PRODUCT REVIEW**  
**Ten-Tec Model 599AT Eagle HF and 6 Meter Transceiver**

Reviewed by *Bob Allison, WB1GCM*  
 Technical Editor *QST*  
 •*EarlKerlog*

With the introduction of the Eagle, Ten-Tec has joined Elecraft and Keweenaw in the HF and 6-meter transceiver market segment that focuses compact size and high performance reception. The Eagle also features as the model 599 without antenna tuner and 599AT with one, a direct converting receiver architecture to a first IF of 9.0MHz. All bands, digital and optional reading filters at the first IF allow the Eagle to achieve its dynamic range performance.

Does Size Matter?

The 599AT is used to change primary function mode, such as CW, SSB, or FM. The secondary function (MF) changes bands in the direction. If switched to a mode not included in the menu, the menu scrolling function. A highlighting of labels occurs with secondary function on the MF mode. MF again scrolls (left), while in CW mode SP is used.

It is included in the current manual and related functions on a 599AT. For example the PA2T and 599AT have specific MF secondary functions. In order to

There are an extra three pushbuttons on the front panel. The first two, each feature for at least two functions. The one above and illuminated on each button begins with a single top or push. A secondary, white related function shows just above the button, in its place of the function (MF) button independent of the function and exceptions. For

The 599AT is used to change primary function mode, such as CW, SSB, or FM. The secondary function (MF) changes bands in the direction. If switched to a mode not included in the menu, the menu scrolling function. A highlighting of labels occurs with secondary function on the MF mode. MF again scrolls (left), while in CW mode SP is used.

It is included in the current manual and related functions on a 599AT. For example the PA2T and 599AT have specific MF secondary functions. In order to

**Key Measurements Summary**

10 dB Blocking Gain Compression (dB)	130
1 dB Blocking Gain Compression (dB)	120
10 dB 3rd Order Dynamic Range (dB)	110
1 dB 3rd Order Dynamic Range (dB)	100
20 dB 3rd Order Internal (dB)	100
20 dB 3rd Order External (dB)	100
20 dB 3rd Order Internal (dB)	100
20 dB 3rd Order External (dB)	100
20 dB 3rd Order Internal (dB)	100
20 dB 3rd Order External (dB)	100
20 dB 3rd Order Internal (dB)	100
20 dB 3rd Order External (dB)	100

**Bottom Line**

The Eagle brings together a very good measure of a compact, compact HF and 6-meter transceiver with minimal expense and controls.

Product Review Editor • [k1rj@arrl.org](mailto:k1rj@arrl.org)  
 August 2011 49

ARRL's Product Review Lab Tester Bob Allison, WB1GCM, with OSCAR I



David Sumner, K1ZZ, receives a memento honoring Heinrich Hertz from a local branch of the Deutscher Amateur Radio Club.



ARRL Chief Technology Officer Brennan Price, N4QX (right), and IARU Region 2 Vice President Jose Arturo Molina, YS1MS (left), met with CITEL Executive Secretary Clovis Baptista during the May 17-20 meeting of CITEL PCC.II.





White House Cybersecurity Coordinator Howard A. Schmidt, W7HAS (left) invited the ARRL to the White House to brief staff on the part that Amateur Radio plays in emergencies. Standing with Schmidt outside the West Wing are ARRL President Kay Craigie, N3KN, ARRL Chief Executive Officer David Sumner, K1ZZ, and ARRL Emergency Preparedness Manager Mike Corey, W5MPC.

officers and two representatives from each of the three Regions, met in the same location. ARRL International Affairs Vice President Jay Bellows, K0QB, serves as a Director of IARU Region 2. In November the Region 2 Executive Committee held a successful meeting in Santo Domingo, Dominican Republic.

## Washington, DC

Staff at ARRL's Washington Area Office in Fairfax, Virginia, continued domestic and international advocacy efforts in preparation for the 2012 World Radiocommunication Conference (WRC-12). Building on hard-won support from the United States and Inter-American Telecommunication Commission (CITEL), ARRL Technical Relations Specialist Jon Siverling, WB3ERA, joined IARU representatives at a July meeting in Algeria at which the African Telecommunications Union (ATU) formally supported an affirmative outcome on WRC-12 Agenda Item 1.23, considering a secondary Amateur Radio allocation somewhere within the range 415-526.5 kHz. Later in 2011, both the Asia Pacific Telecommunity (APT) and the European Conference of Postal and Telecommunications Administrations (CEPT) joined ATU and CITEL in supporting an affirmative outcome, giving Amateur Radio a strong foundation for success at WRC-12. The conference is scheduled for January 23-February 17, 2012, in Geneva, and will determine the agenda for the 2015 World Radiocommunication Conference, which will hone the focus of the Washington Area Office in 2012.



## Development 2011

ARRL Development ended 2011 on a high note, meeting most of the critical goals for the year. While maintaining the regular flow of fund raising activities, the Second Century Campaign (SCC) was launched and several substantial pledges were received. Results from fund raising operations closed the year at \$909,631—95% of the year's target with Diamond Club and Spectrum Defense revenues exceeding projections. The Education & Technology Fund continued to raise funds vital for this donor-supported program. The important new position of Individual Giving Manager for the Development Office brought an experienced fund raising professional to ARRL.

### The Second Century Campaign

The Second Century Campaign (SCC) moved forward with the acceptance of the position of Campaign Chairman by David Brandenburg, K5RQ, of Osprey, Florida and San Diego, California. Brandenburg led the process of identifying and recruiting candidates for the SCC Committee and eight individuals accepted this role.

The members of the SCC Committee are:  
 David Brandenburg, K5RQ, Chairman  
 Bob Allphin, K4UEE  
 Ken Byers, K4TEA  
 Mike Valentine, W8MM  
 Dennis Shapiro, W1UF  
 Glenn Johnson, W0GJ

Frank Donovan, W3LPL  
 Steven West, W7SMW



At the close of 2011 ARRL had received \$2,609,000 in commitments to the campaign, including \$11,100 in cash.



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## The ARRL Diamond Club

ARRL Diamond Club revenues continued to be strong through the end of 2011, closing the year with \$317,390 in net revenue and exceeding the 2011 target by more than \$32,000. In year-over-year results the Diamond Club saw increases in nearly every measure. These successes were due to the efforts of Lauren Clarke who "freshened" the message and employed personalized e-solicitations. The Diamond Terrace at ARRL continued to grow with the addition of 236 new bricks in 2011, bringing the total number of inscribed bricks in the Terrace to 1,012.

Related to the Diamond Club is the ARRL Maxim Society that recognizes individuals whose lifetime giving totals \$10,000 or more. The Maxim Society welcomed 14 new members in 2011, bringing the total number of Maxim Society donors to 93 by the end of the year.

An additional giving opportunity ARRL provides to donors is The ARRL Legacy Circle, which recognizes individuals who remember ARRL in their estate plans. To date, The Legacy Circle has 121 promised estate commitments on record. By Board vote, proceeds from estate gifts are added to the ARRL Endowment. During 2011 estate gifts added \$382,255 to the Endowment Fund.

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Chief Development Officer  
Mary Hobart, K1MMH



The ARRL Maxim Society members are recognized at the 2011 Donor Reception.



The Diamond Terrace at ARRL continues to be the most popular benefit of the Diamond Club program with personalized bricks laid and Lucite replicas produced for donors. More than 1,000 bricks have been placed in the Diamond Terrace since it opened in 2007.



Dave Bell, W6AQ, and his wife Sam, W6QLT, with ARRL Chief Development Officer Mary Hobart, K1MMH. Dave was the Director for our 2011 "DIY Video" promoting Amateur Radio.



### The Combined Federal Campaign (CFC)

Once again ARRL was approved for participation in the annual Combined Federal Campaign (CFC) for federal employees. During 2011 payments received from CFC participants totaled \$31,045, bringing the total of CFC gifts since the inception of the program to \$191,981.

### The Spectrum Defense Fund

More than 3,600 donors contributed a total of \$366,716 to the 2011 Spectrum Defense Fund, producing an average contribution of \$97. ARRL published three issues of Spectrum Defense Matters in 2011. Following the process outlined in the 2011 plan, 35,000 of each issue were printed and sent by postal mail to prior ARRL donors. More than 90,000 members received email with a link to the electronic copy of each issue that was posted on the ARRL web site.

### The Education & Technology Fund

At the beginning of 2011 the Education and Technology Fund faced a serious situation for the program that provides equipment grants to schools and offers professional development in wireless technology for teachers in the Teachers Institute seminars. This 100% donor-funded program raised \$151,412 in 2011 from mail and e-mail campaigns to ARRL members.



Temple Amateur Radio Club's Vice President Gerald Richmond, N5ZXJ; TARC's President John Hobson, WD5BFS; Brennan Price, N4QX, ARRL Chief Technology Officer; David Woolweaver, K5RAV, Director West Gulf Division; John Stratton, N5AUS, Vice Director West Gulf Division. This is the second year that the club has contributed \$1,000.

### The Historic Preservation Fund

The Historic Preservation Fund received funding of \$6,390 in 2011. Volunteer Mike Marinaro, WN1M, continued his conservation work to catalog ARRL historic documents and conserve precious slides and photographs. Mike also spent valuable time learning the system developed by retired archivist Perry White and volunteer Charles Griffin.

### The Year End Appeal

In the fourth quarter of 2011 Development sent out email solicitations to segments of ARRL members. The goal for the year-end effort to raise \$32,500 was reached in the final weeks of the year. Gifts to the year-end solicitations included unrestricted donations and contributions applied to the Spectrum Defense Fund, the Education & Technology Fund and the Diamond Club.

### Other Development Activities

Development continues to recognize the longevity of ARRL members. Members whose support reached the 40-, 50-, 60-, 70- and 80-year milestone received a congratulatory letter, certificate and pin. Members of 50 years received one complimentary year of Diamond Club membership. In July 2011 the ARRL Board of Directors voted that members who reach the 70-year and 80-year milestone will be offered a personalized plaque marking the first decade of their ARRL membership at no cost to the member. In late 2011 the Development Office fulfilled one 70-year plaque in accordance with this Board directive. Other members in the 40-, 50- and 60-year longevity categories are eligible to purchase (at cost plus shipping) a QST cover plaque marking their decade milestone.



Second from the left, Individual Giving Manager Lauren Clarke, joined the Development staff at Headquarters. Here she sets up a booth at Dayton along with (L-R) Marjorie Bourgoin, KB1DCO, Amy Hurtado, KB1NXO, Karen Isakson, W1KLI and Jaqueline Ferreira, KB1PWB.

### Personnel

The addition of Individual Giving Manager Lauren Clarke to the ARRL Development Staff in August 2011 gave Development a fresh look at ARRL fund raising operations and enabled the Chief Development Officer to devote more time to the Second Century Campaign.

**The American Radio Relay League is proud to honor those individuals and organizations whose 2011 contributions of \$1,000 or more, or legacy commitments, support projects not funded by member dues, including participation in The ARRL Diamond Club, the Spectrum Defense Fund, the Education & Technology Fund, and the W1AW Endowment. ARRL is proud to honor Maxim Society donors whose lifetime donations exceed \$10,000 \*.**

Robert Ahmann, W7SC

Allen-Heath Memorial Foundation \*  
(K6ZIZ and K6OKO)

Dwayne Allen, WY7FD  
and Katie Allen, WY7KRA

Pamela Anderson, WØPAM  
and Matt Anderson, WØMAT  
in memory of Tim Anderson, KØOR

Alan Applegate, KØBG

Louis G. Arnold, K9ALP

Merit Arnold, W6NQ \*

Donald Backys, K9UQN  
and Ann Backys, K9ANN

Baker Family Foundation  
(W5IZ and W5JKB)

C. Dwight Baker, W4IJY \*

Sherman Banks, W4ATL \*  
and Mary Banks, K4MRY

Don Barber, K8GV \*

John Barber, N5JB

Robert Barden, MDØCCE \*

Glen Barney, NY3E \*

Richard Battles, WB4BYQ

Robert Beach, W8LCZ

Robert Beaudet, W1YRC

Michael Beck, W7EDO

Bob Beebe, GU4YOX/KX6N

Mark A. Behrens, W4GP \*

Dave Bell, W6AQ \*  
and Alice Bell, W6QLT

Steven Bense, W9SRB

Paul Bittner, WØAIH

Andrew Bodony, K2LE

Clint Bradford, K6LCS

David Brandenburg, K5RQ \*

Brian Broggie, W6FVI

Bob Brunkow, K7NHE

William Buckner, WØVZK \*

Bruce Butler, W6OSP \*

Frank Butler, W4RH \*

Buttschardt-Vierthaler Trust

Ken Byers, K4TEA \*

Randall Bynum, NR6CA

Kermit Carlson, W9XA  
and Caron Carlson, W9QLT

Kenneth Cary, K9UCX

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

J. Craig Clark, Jr, K1QX

Jay Close, KØGEO

Ti-Michelle Connelly, NJ6T \*

Stephen Cornell, K4AHA \*

Kay Craigie, N3KN \*  
and Carter Craigie, N3AO

Mark Croney, W4ZF

William J. Deegan III, K9XT

Robert Dickey, AK5V

James Dicso, K2SZ \*

Richard Dievendorf, K6KR \*

Frank Donovan, W3LPL \*

Mickey Driver, AK5Q  
and Deborah Driver, KD5EFM

Tim Duffy, K3LR \*

Charles K. "Rusty" Epps, W6OAT

Ronald Erickson, KØIC

Martin Ewing, AA6E \*

Frank Fallon, N2FF

Kenneth Fath, N4KF \*

Gary Ferdinand, W2CS,  
in memory of Linda, N2YL

William Filbert, W6NCH

Carl First, N6CKV

Harry Flasher, AC8G \*

Sean Fleming, K8KHZ \*

Ed Fowler, W5CML

Tom Frenaye, K1KI

Ken Garg, W3JK

Jim Garland, W8ZR \*

William Gerhold, K2WH

Kenneth Gleszer, W1KAY

Steve Goggans, K7LZJ \*  
and Lyndie Goggans, N7PKM

Craig Goldman, K2LZQ \*

Theodore Goldthorpe, W4VHF \*  
and Itice Goldthorpe, K4LVV

Kenneth Goodwin, K5RG \*

Marty Green, K2PLF

Walter Groce, AJ1L

Elliot Gross, KB2TZ \*

Richard Hanson, K5AND

Richard Hemingway, N5XRD

Daniel DANNY Herman, K4DHT

Fried Heyn, WA6WZO  
and Sandra Heyn, WA6WZN

Douglas Hilton, WDØUG  
and Diane Hilton, K14LMO

Mary M. Hobart, K1MMH \*

Thomas Hodgson, W3DNN

Fred W. Hoffert III, NA2U \*  
and Elizabeth W. Hoffert

Paul Horenstein, K2PH

Geoffrey Howard, WØCG

Thomas Hutton, N3ZZ \*

Bob Irish, K5ZOL

George R. Isely, W9GIG \*

Dick Jackson, W3EZ \*

Marion Jackson, N4JJ

James Jaeger, K8RQ \*

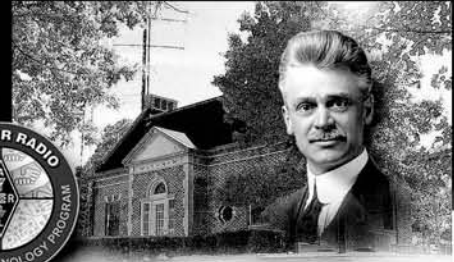
Thomas Jakubec, N5ZR

Ronald Jansen, KB9WTB

Dean Jetter, K3GGN

Andrew C. John MD, JD, W8OU \*





Dr. Scott Johns, W3TX

Glenn Johnson, W0GJ \*  
and Vivien Johnson, KL7YL

Leslie Kalmus, W2LK

S. Richard Kalt, W1FYI

David Kaplan, WA1OUI \*  
and H. B. Kaplan, N1DJQ

Robert Kares, K3SUH

Steven Katz, N8WL  
and Constance Barsky, WD8ODC

David Kersten, N8AUH

John Kludt, K4SQC \*

Kenneth Knudson, N5TY

Edward Lapinski, KV1P

James LaPorta, N1CC

Alfred Laun, K3ZO

Don Lisle, K6IPV \*

Joe Locascio, K5KT

Robert Locher, W9KNI \*

Joshua Long, W9HT

Joe Makeever, W5HS

Robinson Markel, W2IVS \*

William Marx, W2CQ

Charles McConnell, W6DPD

Willis McDonald, KD7NZG \*

Mitch Mitchell, K6BK  
and Nancy Mitchell, N6NCY

Kiyoshi Mizoguchi, JA1BK \*

Richard Mondro, K4FQT

Frank Morrison, KB1FZ \*

Dennis Motschenbacher, K7BV

William Mueller, AA5WM \*

Ray Mustafa, WA2NBG \*

Jack O'Keefe, W9MAD

Tod Olson, K0TO \*

Joseph Osburn, W4CFA

Art Pahr, K9XJ

Dino Papas, KL0S

Kurt Pauer, W6PH \*

Ernest Paul, KC2WD

Thomas W. Porter, W8KYZ \*

Henry Pownall, W4FWR \*

Malcolm Preston, NP2L \*

Dr. Larry E. Price, W4RA \*

Keith Pugh, W5IU

George E. Race, WB8BGY  
and Barbara Race, WB8UWX

Michael Raskin, W4UM \*  
and Sherry Raskin, W4SLR

John P. Rautenstrauch, N2MTG

Bob Ravenscroft, KE7JZ \*

Fred Regennitter, K4IU

Paul Rinaldo, W4RI \*

Donald Robertson, AC7VX

Mike Roden, W5JR  
and Kim Roden, W5KAR

Alfred Rousseau, W1FJ

Eric Scace, K3NA \*

Joseph Schroeder, W9JUV

C. Wayne Schuler, AI9Q \*

Claudie and Herb Schuler, K2HPV \*

Edward Seeliger, KD5M

Paul D. Sergi, N08D \*

Arnold Shatz, N6HC  
and Sheryl Shatz, KA6DOW

Timothy Slay, N4IB

William Smith, KB1NCP

William Smith, W9VA

Steven Somers, AE6SS

Bartholomew Stavisky, KF5EKG

Roger A. Strauch, KD6UO \*

H. Dale Strieter, W4QM \*

John Swartz, WA9AQN

John Thomas, K1VW

Craig Thompson, K9CT \*

John Thornton, W6HD  
and Jane Thornton, K6HDX

Ron Tingle, K4ML

David Topp, W5BXX \*

W. Paul Trouten, W8PI \*

William Tynan, W3XO

Michael Valentine, W8MM \*

David H. Walker, K0COP

Thomas Walsh, K1TW

Robert Wareham, N0ESQ

James E. Weaver, K8JE

Dick Weber, K5IU \*

Clarence Wenzel, W9ILM

Steven West, W7SMW \*  
and Donna Karam, KC5FTN

West Valley Amateur  
Radio Club, NY7S

Dan White, W5DNT

Lee Wical, KH6BZF

John Williams, K8JW

Tom Williams, WA1MBA

E. Glenn Wolf, Jr, N5RN

Mitch Wolfson, DJ0QN

Walter Wooten, W1LW \*

Scott Wright, K0MD

Allen Zimmerman, K3WGR \*

**Anonymous = 70**

\* Maxim Society member



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

Robert Ahmann, W7SC  
Alan Applegate, KØBG  
Donald Backys, K9UQN  
and Ann Backys, K9ANN  
Robert Barden, MDØCCE\*  
Robert Beach, W8LCZ  
Michael Beck, W7EDO  
Bob Beebe, GU4YOX/KX6N  
Dave Bell, W6AQ\*  
and Alice Bell, W6QLT  
Steven Bense, W9SRB  
Paul Bittner, WØAIH  
Alvin C. Borne, W6IVO  
Clint Bradford, K6LCS  
Frank Butler, W4RH\*  
Kenneth Cary, K9UCX  
Joseph G. Chaet, W1RGH  
and Carla M. Chaet, N7OPU  
J. Craig Clark, Jr, K1QX  
Robert Dickey, AK5V  
Richard Dievendorff, K6KR\*  
Charles K. "Rusty" Epps, W6OAT  
Ronald Erickson, KØIC  
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Steve Goggans, K7LZJ\*  
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and Itice Goldthorpe, K4LVV  
Walter Groce, AJ1L  
Elliot Gross, KB2TZ\*  
Richard Hemingway, N5XRD  
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Douglas Hilton, WDØUG  
and Diane Hilton, KI4LMO  
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Geoffry Howard, WØCG  
Thomas Jakubec, N5ZR  
Ronald Jansen, KB9WTB  
Dr. Scott Johns, W3TX  
Robert Kares, K3SUH  
Steven Katz, N8WL  
and Constance Barsky, WD8ODC  
David Kersten, N8AUH  
Edward Lapinski, KV1P  
James LaPorta, N1CC  
Don Lisle, K6IPV\*  
Joe Locascio, K5KT  
Joshua Long, W9HT  
William Marx, W2CQ  
Richard Mondro, K4FQT  
Dr. Theodore Morris, NC8V  
Dennis Motschenbacher, K7BV  
David Norris, K5UZ

Jack O'Keefe, W9MAD  
Art Pahr, K9XJ  
Dino Papas, KLØS  
Ernest Paul, KC2WD  
Keith Pugh, W5IU  
John Putnam, W1DRG  
George E. Race, WB8BGY  
and Barbara Race, WB8UWX  
Michael Raskin, W4UM\*  
and Sherry Raskin, W4SLR  
John P. Rautenstrauch, N2MTG  
Alfred Rousseau, W1FJ  
Joseph Schroeder, W9JUV  
Claudie and Herb Schuler, K2HPV\*  
Arnold Shatz, N6HC  
and Sheryl Shatz, KA6DOW  
John Swartz, WA9AQN  
John Thomas, K1VW  
John Thornton, W6HD  
and Jane Thornton, K6HDX  
James E. Weaver, K8JE  
Clarence Wenzel, W9ILM  
Steven West, W7SMW\*  
and Donna Karam, KC5FTN  
Lee Wical, KH6BZF  
Mark Beckwith, N5OT  
**Anonymous = 32**

\* Maxim Society member



ARRL Headquarters—  
Newington, Connecticut

*ARRL remains in a strong financial position. It has shown stability over the past several years, a time of significant financial turmoil that has negatively affected other not-for-profit organizations' financial affairs. There are still serious financial challenges ahead for both the economy in general and specifically the ARRL. We are, however, positioned well for the future so that we will be able to continue to deliver programs and services to the ARRL membership and provide support for the Amateur Radio Service.*

## Financial Summary

2011 produced another solid financial performance by the ARRL despite continuing uncertainty surrounding the overall economic climate and the global financial markets. At the beginning of the year we were skeptical about reports that 2011 would be a year where the economy would turn around as it was difficult to see past the unemployment rate above 9% and no real indications that people were feeling any better, overall, about their financial condition. As a discretionary item in many people's budgets, ARRL's fortunes can be susceptible to swings in both the economy and how people are feeling about their individual situations.

As a result of this, there was concern about the ability of the organization to continue to grow financially as our major revenue sources were showing signs of flattening out in recent years. This, coupled with our desire to continue to provide a consistent level of services to our members, made for very conservative financial expectations for the year.

Despite all that, for the third year in a row the organization posted a positive gain from operations and an overall increase in net assets. Again, like the prior year, much of this result was about expense control rather than revenue growth but, nonetheless, we finished the year in good financial condition and with a growing portfolio which will help provide a strong base for the future operations of the organization. Total revenues in 2011 grew by slightly more than 2% over the prior year, finishing the year at \$14.6 million. Revenues from sales of publications grew slightly while dues were level with 2010. Membership in the organization did grow by almost 1% as well and we finished the year with a total of 157,813 members.

On another positive note, activity in many ARRL programs was up in 2011, particularly in DXCC and Logbook of the World. This resulted in an increase in the expenses for those programs but also in the fees collected. Total program fees grew over 35% in comparison to the prior year to \$629,000. And exams given through the ARRL Volunteer Exam Coordinator were about the same as in 2010 so fees from these activities were level with the prior year. Contributions were up 8% this past year as well and, in addition, we received almost \$1 million of early pledges for the new Second Century Campaign.

Spending also increased in 2011. For all activities, spending totaled \$14.1 million which was an increase of 4.2% over the prior year. We continue working to insure that expenses remain within the limits of our revenue streams and have been successful in doing this over the past several years.

As a result of all this, the League posted a gain from operations of \$542,000 in 2011. While this wasn't quite as much as had been produced in the prior year, given the economic climate, this was an excellent result. When taking into consideration the new pledges and other bequests received during the year, plus the adjustment required for the defined benefit pension plan, the ARRL's net asset position increased by a total of \$453,000 during the year.

In summary the ARRL remains in a strong financial position. It has shown stability over the past several years, a time of significant financial turmoil that has negatively affected other not-for-profit organizations' financial affairs. There are still serious financial challenges ahead for both the economy in general and specifically the ARRL. We are, however, positioned well for the future so that we will be able to continue to deliver programs and services to the ARRL membership and provide support for the Amateur Radio Service.



*American Radio  
Relay League*

*Board of Directors  
January 2011*

**Front Row:** \_\_\_\_\_

Rod Blocksome, Harold Kramer, Joyce Birmingham, Chris Imlay, Bob Vallio, Andrea Hartlage, Kay Craigie, Dennis Bodson, Mike Raisbeck, Kermit Carlson, Grant Hopper, Jim Fenstermaker

**Second Row:** \_\_\_\_\_

Jim Weaver, Mary Hobart, Barry Shelley, Rod Stafford, Cliff Ahrens, Bill Edgar, Brian Mileschosky, Mickey Cox, Rick Roderick, David Sumner, John Robert Stratton, Geoffrey Bawden

**Third Row:** \_\_\_\_\_

Gary Johnston, Frank Fallon, Tom Abernethy, Gregory Widin, George Isely, Greg Sarratt, Marty Woll, Dwayne Allen, James McCobb, Jim Boehner, Bruce Frahm

**Top Row:** \_\_\_\_\_

Dan Henderson, Tom Frenaye, David Woolweaver, Jay Bellows, Brennan Price, Kent Olson, Jim Tiemstra, Richard Norton



ARRL 2011 Annual Board Meeting — Windsor, Connecticut

## Officers

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**Bruce Frahm, K0BJ**

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International Affairs  
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**David Sumner, K1ZZ**

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**James McCobb Jr., K1LU**

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Vice Director  
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Vice Director  
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Director  
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**Dr. James Boehner, N2ZZ**

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Director  
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**Dwayne Allen, WY7FD**

Vice Director  
Devils Tower, Wyoming

**Southeastern Division****Greg Sarratt, W4OZK**

Director  
Huntsville, Alabama

**Andrea Hartlage, KG4IUM**

Vice Director  
Grayson, Georgia

**Southwestern Division****Richard Norton, N6AA**

Director  
Topanga, California

**Marty Woll, N6VI**

Vice Director  
Chatsworth, California

**West Gulf Division****Dr. David Woolweaver, K5RAV**

Director  
Harlingen, Texas

**John Robert Stratton, N5AUS**

Vice Director  
Austin, Texas

**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, 2011 and 2010, 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, 2011 and 2010, 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 financial statements as a whole. The supplementary information included in the accompanying pages 24 through 26 is presented for purposes of additional analysis and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

 **J.H. Cohn** LLP

Glastonbury, Connecticut  
April 26, 2012



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENTS OF FINANCIAL POSITION  
DECEMBER 31, 2011 AND 2010**

**ASSETS**

	2011	2010
Current assets:		
Cash	\$ 878,651	\$ 756,404
Accounts receivable, net of allowance for doubtful accounts of \$75,952 and \$99,256	430,904	541,754
Inventories, net	732,881	723,978
Pledges receivable, current	319,000	-
Prepaid expenses and other current assets	98,518	145,191
Other receivables	75,032	164,440
Total current assets	2,534,986	2,331,767
Other assets:		
Investments	18,819,971	18,099,375
Long term pledges receivable, net of discount and allowance of \$178,594	662,906	-
Land, building and equipment, net	502,518	491,180
Total other assets	19,985,395	18,590,555
Total assets	\$ 22,520,381	\$ 20,922,322

**LIABILITIES AND NET ASSETS**

Current liabilities:		
Accounts payable	\$ 207,608	\$ 368,401
Accrued liabilities	339,872	274,626
Deferred revenue	30,169	8,739
Subtotal operational current liabilities	577,649	651,766
Deferred life membership dues, current	509,196	508,771
Deferred term membership dues, current	2,511,669	2,469,284
Total current liabilities	3,598,514	3,629,821
Long-term liabilities:		
Deferred life membership dues, less current portion	5,503,221	5,438,237
Deferred term membership dues, less current portion	729,001	722,291
Accrued pension liability	2,918,162	1,813,041
Total long-term liabilities	9,150,384	7,973,569
Total liabilities	12,748,898	11,603,390
Commitments		
Net assets:		
Unrestricted:		
Undesignated	2,888,583	3,878,624
Board designated	3,568,972	3,074,763
Temporarily restricted	1,712,204	1,766,040
Permanently restricted	1,601,724	599,505
Total net assets	9,771,483	9,318,932
Total liabilities and net assets	\$ 22,520,381	\$ 20,922,322

See Notes to Financial Statements.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENT OF ACTIVITIES  
YEAR ENDED DECEMBER 31, 2011**

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
<b>Revenues and contributions:</b>				
Membership dues	\$ 5,575,076	\$ -	\$ -	\$ 5,575,076
Net publication sales	3,824,454	-	-	3,824,454
Advertising	2,552,553	-	-	2,552,553
Investment income	413,729	74,092	-	487,821
Examination fees and other	405,239	-	-	405,239
Program and service fees	628,618	-	-	628,618
Contributions and support	600,452	538,031	7,212	1,145,695
Net assets released from restrictions	647,576	(647,576)	-	-
	<u>14,647,697</u>	<u>(35,453)</u>	<u>7,212</u>	<u>14,619,456</u>
<b>Expenditures:</b>				
Programs and services	7,739,886	-	-	7,739,886
Publications	3,934,110	-	-	3,934,110
Administration	1,675,568	-	-	1,675,568
Fundraising	539,638	-	-	539,638
Governance	188,458	-	-	188,458
	<u>14,077,660</u>	<u>-</u>	<u>-</u>	<u>14,077,660</u>
Increase (decrease) in net assets before other income	<u>570,037</u>	<u>(35,453)</u>	<u>7,212</u>	<u>541,796</u>
<b>Other income:</b>				
Bequests, Board designated functioning as an endowment	392,630	-	-	392,630
Second Century Campaign endowment contributions	-	-	995,007	995,007
Unrealized loss on investments	(168,472)	(18,383)	-	(186,855)
Defined benefit pension plan actuarial loss	(1,290,027)	-	-	(1,290,027)
	<u>(1,065,869)</u>	<u>(18,383)</u>	<u>995,007</u>	<u>(89,245)</u>
Change in net assets	(495,832)	(53,836)	1,002,219	452,551
Net assets, beginning of year	<u>6,953,387</u>	<u>1,766,040</u>	<u>599,505</u>	<u>9,318,932</u>
Net assets, end of year	<u>\$ 6,457,555</u>	<u>\$ 1,712,204</u>	<u>\$ 1,601,724</u>	<u>\$ 9,771,483</u>

See Notes to Financial Statements.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENT OF ACTIVITIES  
YEAR ENDED DECEMBER 31, 2010**

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Revenues and contributions:				
Membership dues	\$ 5,581,174	\$ -	\$ -	\$ 5,581,174
Net publication sales	3,769,357	-	-	3,769,357
Advertising	2,638,923	-	-	2,638,923
Investment income	297,887	72,232	-	370,119
Examination fees and other	417,160	-	-	417,160
Program and service fees	464,260	-	-	464,260
Contributions and support	484,613	487,936	87,768	1,060,317
Net assets released from restrictions	609,752	(609,752)	-	-
	<u>14,263,126</u>	<u>(49,584)</u>	<u>87,768</u>	<u>14,301,310</u>
Expenditures:				
Programs and services	7,641,288	-	-	7,641,288
Publications	3,862,884	-	-	3,862,884
Administration	1,357,081	-	-	1,357,081
Fundraising	475,477	-	-	475,477
Governance	178,933	-	-	178,933
	<u>13,515,663</u>	<u>-</u>	<u>-</u>	<u>13,515,663</u>
Increase (decrease) in net assets before other income	<u>747,463</u>	<u>(49,584)</u>	<u>87,768</u>	<u>785,647</u>
Other income:				
Bequests, Board designated functioning as an endowment	1,630,590	-	-	1,630,590
Unrealized gains on investments	878,435	171,321	-	1,049,756
Defined benefit pension plan actuarial gain	14,967	-	-	14,967
	<u>2,523,992</u>	<u>171,321</u>	<u>-</u>	<u>2,695,313</u>
Change in net assets	3,271,455	121,737	87,768	3,480,960
Net assets, beginning of year	<u>3,681,932</u>	<u>1,644,303</u>	<u>511,737</u>	<u>5,837,972</u>
Net assets, end of year	<u>\$ 6,953,387</u>	<u>\$ 1,766,040</u>	<u>\$ 599,505</u>	<u>\$ 9,318,932</u>

See Notes to Financial Statements.



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**STATEMENTS OF CASH FLOWS  
YEARS ENDED DECEMBER 31, 2011 AND 2010**

	<b>2011</b>	<b>2010</b>
Operating activities:		
Change in net assets	<b>\$ 452,551</b>	\$ 3,480,960
Adjustments to reconcile change in net assets to net cash provided by operating activities:		
Receipts to establish or increase permanent endowment	<b>(20,313)</b>	(87,768)
Depreciation	<b>175,139</b>	206,935
Loss on disposal of equipment	-	297
Bad debt recovery	<b>(19,292)</b>	18,000
Discount and allowance for pledges receivable	<b>178,594</b>	-
Change in inventory reserve	<b>3,949</b>	16,322
Unrealized loss (gain) on investments	<b>186,855</b>	(1,049,756)
Realized (gain) loss on investments allocated to the general fund	<b>(27,186)</b>	14,695
Changes in operating assets and liabilities:		
Accounts receivable	<b>130,142</b>	45,990
Pledges receivable	<b>(1,160,500)</b>	-
Other receivables	<b>89,408</b>	(78,533)
Inventories	<b>(12,852)</b>	(137,886)
Prepaid expenses and other current assets	<b>46,673</b>	30,766
Accounts payable and accrued liabilities	<b>(95,547)</b>	196,344
Deferred revenue	<b>21,430</b>	3,516
Deferred life membership dues, net of allocated realized loss	<b>40,061</b>	53,210
Deferred term membership dues	<b>49,095</b>	168,561
Accrued pension liability	<b>1,105,121</b>	(783,715)
Net cash provided by operating activities	<b>1,143,328</b>	2,097,938
Investing activities:		
Purchase of equipment	<b>(186,477)</b>	(120,237)
Sales of investments	<b>4,422,454</b>	2,825,076
Purchases of investments	<b>(5,277,371)</b>	(4,997,154)
Net cash used in investing activities	<b>(1,041,394)</b>	(2,292,315)
Financing activities:		
Receipts to establish or increase permanent endowment	<b>20,313</b>	87,768
Net increase (decrease) in cash	<b>122,247</b>	(106,609)
Cash, beginning of year	<b>756,404</b>	863,013
Cash, end of year	<b>\$ 878,651</b>	\$ 756,404

See Notes to Financial Statements.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**  
**NOTES TO FINANCIAL STATEMENTS**

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

**Nature of activities:**

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

**Basis of presentation:**

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

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

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

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

**Cash and cash equivalents:**

Cash and cash equivalents include all cash balances and highly liquid short-term instruments with an original maturity of three months or less when acquired. Temporary cash and cash equivalent balances associated with investment accounts are included with investments in these financial statements. There were no cash equivalents as of December 31, 2011 or 2010 included in operating cash.

**Allowance for doubtful accounts:**

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

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 1 - Organization and summary of significant accounting policies (continued):**

**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 \$114,594 and \$110,645 as of December 31, 2011 and 2010, respectively.

**Investments:**

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

**Land, building and equipment:**

The League capitalizes expenditures for building and equipment with a useful life of greater than one year and a cost of \$1,000 or more. Purchased land, building and equipment are carried at cost. 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 change of net assets for the period.

The League reviews long-lived assets for impairment using an undiscounted cash flow method whenever events or circumstances indicate the carrying value of an asset may not be recoverable. There were no impairment losses related to long-lived assets as of December 31, 2011 and 2010.

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.



## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

#### **Note 1 - Organization and summary of significant accounting policies (continued):**

##### **Pension liability:**

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

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

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

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

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

##### **Revenue recognition:**

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

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

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

#### **Note 1 - Organization and summary of significant accounting policies (continued):**

##### **Revenue recognition (concluded):**

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

Advertising - Advertising revenue is recorded, net of agency commissions, during the period in which the advertising is sold.

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

##### **Income taxes:**

The League is exempt from Federal income taxes under Section 501(c)(3) of the Internal Revenue Code. However, the League is subject to Federal and state income tax as a result of unrelated business income arising from net advertising income. Unrelated business income taxes for the year ended December 31, 2010 was \$6,078. There are no unrelated income taxes due for the year ended December 31, 2011.

The League's U.S. Federal information returns prior to calendar year 2008 are closed and management continually evaluates expiring statutes of limitations, audits, proposed settlements, changes in tax law and new authoritative rulings. The League recognizes interest and penalties associated with uncertain tax positions as part of the income tax provision and includes accrued interest and penalties with the related tax liability in the statements of financial position. The League has no unrecognized tax positions at December 31, 2011 and 2010.

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

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

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 1 - Organization and summary of significant accounting policies (concluded):**

**Use of estimates:**

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

**Reclassifications:**

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

**Subsequent events:**

The League has evaluated events and transactions for potential recognition or disclosure through April 26, 2012, which is the date the financial statements were available to be issued. There were no subsequent events required to be reported.

**Note 2 - Pledges receivable:**

As of December 31, 2011, unconditional pledges receivable are expected to be realized in the following periods:

In one year or less	<b>\$ 319,000</b>
In one to five years	<b>741,500</b>
In more than five years	<b>100,000</b>
Less: allowance for uncollectible pledges	<b>(109,101)</b>
Less: discount	<b>(69,493)</b>
	<b><u>\$ 981,906</u></b>

Amounts are shown in the statements of financial position as of December 31, 2011 as follows:

Current	<b>\$ 319,000</b>
Long-term	<b>662,906</b>
	<b><u>\$ 981,906</u></b>

Pledges expected to be received in more than one year have been discounted using a discount rate of 3.25% at December 31, 2011.

**Note 3 - Investments:**

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

	2011		2010	
	Fair Value	Cost	Fair Value	Cost
Cash and cash equivalents	<b>\$ 872,058</b>	<b>\$ 872,059</b>	<b>\$ 3,024,322</b>	<b>\$ 3,019,734</b>
Equities and mutual funds	<b>10,948,142</b>	<b>9,585,567</b>	<b>7,499,448</b>	<b>7,411,429</b>
Fixed maturities	<b>6,999,771</b>	<b>7,009,456</b>	<b>7,575,605</b>	<b>6,128,468</b>
	<b><u>\$ 18,819,971</u></b>	<b><u>\$ 17,467,082</u></b>	<b><u>\$ 18,099,375</u></b>	<b><u>\$ 16,559,631</u></b>



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 3 - Investments (concluded):**

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

	<u>2011</u>	<u>2010</u>
Life membership	\$ 6,012,417	\$ 5,947,008
Regular operations	5,924,654	6,712,059
Temporarily restricted	1,712,204	1,766,040
Functioning as an endowment	3,568,972	3,074,763
Permanently restricted	1,601,724	599,505
	<u>\$ 18,819,971</u>	<u>\$ 18,099,375</u>

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

	<u>2011</u>	<u>2010</u>
Unrealized appreciation, beginning of year:		
Fair value	\$ 18,099,375	\$ 14,909,196
Cost	16,559,631	14,419,208
Net gain	<u>1,539,744</u>	<u>489,988</u>
Unrealized appreciation, end of year:		
Fair value	18,819,971	18,099,375
Cost	17,467,082	16,559,631
Net gain	<u>1,352,889</u>	<u>1,539,744</u>
Net unrealized (loss) gain for the year	<u>\$ (186,855)</u>	<u>\$ 1,049,756</u>

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

	<u>2011</u>	<u>2010</u>
Interest and dividend income	\$ 709,854	\$ 640,628
Net realized gain (loss) on investments	52,354	(31,655)
Gross investment income	762,208	608,973
Less:		
Net investment income allocated to deferred life liability	(274,387)	(238,854)
Total investment income	<u>\$ 487,821</u>	<u>\$ 370,119</u>

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

**Note 4 - Fair value measurements:**

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

- Level 1: Quoted prices (unadjusted) in active markets that are accessible at the measurement date for identical assets or liabilities. The fair value hierarchy gives the highest priority to Level 1 inputs.
- Level 2: Observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in inactive markets or model-derived valuations in which all significant inputs are observable or can be derived principally from or corroborated with observable market data.
- 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, 2011 and 2010 are classified in the tables below in one of the three categories described above:

	2011			
	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	\$ -	\$ 872,058	\$ -	\$ 872,058
Equities and mutual funds:				
Domestic large cap	6,104,010	-	-	6,104,010
Bond funds	2,631,057	-	-	2,631,057
International developed	653,334	-	-	653,334
Domestic mid cap	994,929	-	-	994,929
Domestic small cap	295,368	-	-	295,368
Foreign large blend	115,521	-	-	115,521
Diversified emerging markets	72,267	-	-	72,267
Real estate	52,500	-	-	52,500
Foreign large value	29,156	-	-	29,156
Total equities and mutual funds	<u>10,948,142</u>	<u>-</u>	<u>-</u>	<u>10,948,142</u>
Fixed Maturities:				
Corporate bonds	-	5,444,480	-	5,444,480
International developed bonds	-	729,802	-	729,802
Global high yield taxable	-	739,268	-	739,268
Fixed income other	-	86,221	-	86,221
Total fixed maturities	<u>-</u>	<u>6,999,771</u>	<u>-</u>	<u>6,999,771</u>
Total assets at fair value	<u>\$ 10,948,142</u>	<u>\$ 7,871,829</u>	<u>\$ -</u>	<u>\$ 18,819,971</u>

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**  
**NOTES TO FINANCIAL STATEMENTS**

**Note 4 - Fair value measurements (concluded):**

	2010			Total
	Level 1	Level 2	Level 3	
Cash and cash equivalents	\$ -	\$ 3,024,322	\$ -	\$ 3,024,322
Equities and mutual funds:				
Domestic large cap	5,499,238	-	-	5,499,238
International developed	691,573	-	-	691,573
Domestic mid cap	661,090	-	-	661,090
Domestic small cap	315,863	-	-	315,863
Foreign large blend	132,934	-	-	132,934
Diversified emerging markets	87,339	-	-	87,339
Real estate	78,230	-	-	78,230
Foreign large value	33,181	-	-	33,181
Total equities and mutual funds	<u>7,499,448</u>	<u>-</u>	<u>-</u>	<u>7,499,448</u>
Fixed Maturities:				
Corporate bonds	-	6,380,742	-	6,380,742
International developed bonds	-	735,142	-	735,142
Global high yield taxable	-	414,461	-	414,461
Fixed income other	-	45,260	-	45,260
Total fixed maturities	<u>-</u>	<u>7,575,605</u>	<u>-</u>	<u>7,575,605</u>
Total assets at fair value	<u>\$ 7,499,448</u>	<u>\$10,599,927</u>	<u>\$ -</u>	<u>\$ 18,099,375</u>

The fair value of cash and cash equivalents is estimated using third party quotations (Level 2).

Investments in equity securities (Level 1) 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.

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

The preceding is a description of the valuation methodologies used for assets at fair value. There have been no changes in the methodology used at December 31, 2011 and 2010.

The League's policy is to recognize transfers in and transfers out of levels of the actual date of the event or change in circumstances that caused the transfer. There were no transfers in or out of the respective levels during the years ended December 31, 2011 and 2010.

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



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

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

Land, building and equipment, and related accumulated depreciation are comprised of the following at December 31, 2011 and 2010:

	<b>2011</b>	2010
Land and building	<b>\$ 1,094,693</b>	\$ 1,094,693
Furnishings, equipment and building improvements	<b>5,037,730</b>	5,091,102
Construction in progress	<b>18,913</b>	18,731
	<b>6,151,336</b>	6,204,526
Less accumulated depreciation	<b>(5,648,818)</b>	(5,713,346)
	<b>\$ 502,518</b>	\$ 491,180

Construction in progress represents web development costs incurred but not yet placed into service as of December 31, 2011 and 2010.

**Note 6 - 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. The Board of Directors approved a resolution to terminate the Plan effective November 1, 2011, subject to regulatory approval. The League is in the process of receiving the required approvals from regulatory authorities for the plan termination. Distribution of the Plan assets will be completed once approval is granted and Plan participants provide distribution choices.

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 uses a December 31 measurement date for its plan.

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

	<b>2011</b>	2010
Accumulated benefit obligation at end of year	<b>\$ 14,256,142</b>	\$ 11,496,473
Projected benefit obligation at beginning of year:	<b>\$ 11,496,473</b>	\$ 10,758,892
Service cost	<b>35,000</b>	35,000
Interest cost	<b>621,080</b>	613,906
Actuarial loss	<b>2,344,077</b>	305,515
Benefits paid	<b>(240,488)</b>	(216,840)
Projected benefit obligation at end of year	<b>14,256,142</b>	11,496,473

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 6 - Pension liability (continued):**

	<u>2011</u>	<u>2010</u>
Fair value of plan assets at beginning of year:	9,683,432	8,162,136
Actual return on plan assets	1,800,681	989,108
Employer contributions	122,000	786,000
Plan expenses	(27,645)	(36,972)
Benefits paid	(240,488)	(216,840)
Fair value of plan assets at end of year	<u>11,337,980</u>	<u>9,683,432</u>
Unfunded status	<u>(2,918,162)</u>	<u>(1,813,041)</u>
Net accrued benefit cost	<u>\$ (2,918,162)</u>	<u>\$ (1,813,041)</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, 2011 and 2010 consist of the following:

	<u>2011</u>	<u>2010</u>
Service cost	\$ 35,000	\$ 35,000
Interest cost	621,080	613,906
Expected return on plan assets	(718,986)	(631,654)
Total net periodic benefit cost	<u>\$ (62,906)</u>	<u>\$ 17,252</u>

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

Other changes in plan assets and benefit obligations, recognized in changes in unrestricted net assets and presented under other income on the statements of activities, for the years ended December 31, 2011 and 2010 consist of the following:

	<u>2011</u>	<u>2010</u>
Actual return on plan assets	\$ 1,800,681	\$ 989,108
Expected return	(718,986)	(631,654)
Totals	<u>1,081,695</u>	<u>357,454</u>
Other actuarial loss	(2,344,077)	(305,515)
Plan expenses	(27,645)	(36,972)
Totals	<u>(2,371,722)</u>	<u>(342,487)</u>
Total of other changes recognized in changes in unrestricted net assets	<u>(1,290,027)</u>	<u>14,967</u>
Net recognized actuarial loss, beginning of year	<u>(595,820)</u>	<u>(610,787)</u>
Net recognized actuarial loss, end of year	<u>\$ (1,885,847)</u>	<u>\$ (595,820)</u>

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 6 - Pension liability (continued):**

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

	2011	2010
Benefit obligation:		
Discount rate	4.25%	5.50%
Benefit cost:		
Discount rate	5.50%	6.00%
Expected return on plan assets	7.50%	7.50%
Net periodic benefit cost	\$ (62,906)	\$ 17,252
Employer contribution	122,000	786,000
Benefits paid	(240,488)	(216,840)

The expected long-term rate of return on plan assets reflects the average rate of return 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 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>	
2012	\$ 322,569
2013	399,033
2014	532,588
2015	546,957
2016	584,277
2017 – 2020	3,943,101

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 6 - Pension liability (continued):**

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

	2011		2010	
	Amount	%	Amount	%
Equity securities	\$ -	-%	\$ 6,689,249	69%
Debt securities	11,053,867	97	2,881,566	30
Other	284,113	3	112,617	1
	<u>\$ 11,337,980</u>	<u>100%</u>	<u>\$ 9,683,432</u>	<u>100%</u>

The pension assets carried at fair value at December 31, 2011 and 2010 are classified in the tables below. See Note 3 for definitions of levels:

	2011			
	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	\$ -	\$ 284,113	\$ -	\$ 284,113
Debt securities:				
Long-term bond funds	-	9,540,634	-	9,540,634
Short-term bond funds	-	1,513,233	-	1,513,233
	<u>\$ -</u>	<u>\$ 11,337,980</u>	<u>\$ -</u>	<u>\$ 11,337,980</u>

	2010			
	Level 1	Level 2	Level 3	Total
Cash and cash equivalents	\$ -	\$ 112,617	\$ -	\$ 112,617
Equity securities:				
Growth	3,249,322	-	-	3,249,322
Value	1,907,217	-	-	1,907,217
Foreign blend	1,532,710	-	-	1,532,710
Debt securities:				
Bond funds	-	2,881,566	-	2,881,566
	<u>\$ 6,689,249</u>	<u>\$ 2,994,183</u>	<u>\$ -</u>	<u>\$ 9,683,432</u>

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. There were no changes in valuation techniques during the current year.

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. Through June 2011, the League employed a long-term total return approach to maximize the long-term rate of return on plan assets for a prudent level of risk.



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 6 - Pension liability (concluded):**

An annual analysis on the risk versus the return of the investment portfolio was conducted to justify the expected long-term rate of return assumption. In July 2011, the League adjusted its investment guidelines as a result of the Plan termination. Through June 2011, the investment portfolio contained 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.

To reduce the risk of fluctuation of plan assets that will be required to fund the Plan, in July 2011, the League's Board of Directors passed a resolution to reinvest the assets of the Plan in a corporate-debt-based, economic-liability matching portfolio based in accordance with the recommendation of the Plan's professional advisers.

**Note 7 - 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 \$171,140 and \$155,103 in 2011 and 2010, respectively.

**Note 8 - Board designated net assets:**

The League's Board of Directors' intent is to treat unrestricted bequests as funds functioning as an endowment. Since the beginning of 2004, the League has received bequests in the amount of \$3,174,014. As of December 31, 2011 and 2010, the balance of the bequests, net of investment income and unrealized gains and losses, are \$3,568,972 and \$3,074,763, respectively.

**Note 9 - Temporarily restricted net assets:**

Temporarily restricted net assets as of December 31, 2011 and 2010 are available for the following purposes:

	2011	2010
Exceptional Merit	\$ 1,286,410	\$ 1,292,554
Education and Research	103,375	171,452
Other Specific Purposes	322,419	302,034
	\$ 1,712,204	\$ 1,766,040

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

Permanently restricted net assets as of December 31, 2011 and 2010 were comprised of the following:

	2011	2010
W1AW fund	\$ 452,377	\$ 445,165
Colvin fund	154,340	154,340
Second Century fund	995,007	-
	\$ 1,601,724	\$ 599,505

## THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

### NOTES TO FINANCIAL STATEMENTS

**Note 10 - Permanently restricted net assets (concluded):**

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

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

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

**Note 11 - Endowment:**

The League's endowment includes both donor-restricted endowment funds and funds designated by the Board of Directors to function as endowments. As required by accounting principles generally accepted in the United States of America, net assets associated with endowment funds, including funds designated by the Board of Directors to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions. The Board of Directors has interpreted the Connecticut Uniform Prudent Management of Institutional Funds Act ("CTUPMIFA") as requiring the preservation of the fair value of the original gift as of the gift date of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation the League classifies as permanently restricted net assets (a) the original value of gifts donated to the permanent endowment, (b) the original value of subsequent gifts to the permanent endowment, and (c) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund. The remaining portion of the donor-restricted endowment fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure by the Board of Directors in a manner consistent with the standard of prudence prescribed by CTUPMIFA. In accordance with CTUPMIFA, the League considers the following factors in making a determination to appropriate or accumulate donor-restricted endowment funds: (1) the duration and preservation of the various funds, (2) the purposes of the League and donor-restricted endowment funds, (3) general economic conditions, (4) the possible effect of inflation and deflation, (5) the expected total return from income and the appreciation of investments, (6) other resources of the League and (7) the League's investment policies.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 11 - Endowment (continued):**

Changes in endowment net assets for the year ended December 31, 2011 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Endowment net assets, January 1, 2011	\$ 3,074,763	\$ 70,864	\$ 599,505	\$ 3,745,132
Investment income, net	129,452	26,112	-	155,564
Net unrealized depreciation	(27,873)	(6,666)	-	(34,539)
Contributions	392,630	-	1,002,219	1,394,849
Amounts appropriated for expenditure	-	(13,500)	-	(13,500)
Endowment net assets, December 31, 2011	<u>\$ 3,568,972</u>	<u>\$ 76,810</u>	<u>\$ 1,601,724</u>	<u>\$ 5,247,506</u>

Endowment net asset composition by type of fund as of December 31, 2011 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Donor-Restricted Endowment Funds	\$ -	\$ 76,810	\$ 1,601,724	\$ 1,678,534
Board Designated Endowment Funds	<u>3,568,972</u>	-	-	<u>3,568,972</u>
Total funds	<u>\$ 3,568,972</u>	<u>\$ 76,810</u>	<u>\$ 1,601,724</u>	<u>\$ 5,247,506</u>

Changes in endowment net assets for the year ended December 31, 2010 is as follows:

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Endowment net assets, January 1, 2010	\$ 1,184,704	\$ 18,025	\$ 511,737	\$ 1,714,466
Investment income, net	63,850	22,599	-	86,449
Net unrealized appreciation	195,619	33,630	-	229,249
Contributions	1,630,590	-	87,768	1,718,358
Amounts appropriated for expenditure	-	(3,390)	-	(3,390)
Endowment net assets, December 31, 2010	<u>\$ 3,074,763</u>	<u>\$ 70,864</u>	<u>\$ 599,505</u>	<u>\$ 3,745,132</u>

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 11 - Endowment (concluded):**

Endowment net asset composition by type of fund as of December 31, 2010 is as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Donor-Restricted Endowment Funds	\$ -	\$ 70,864	\$ 599,505	\$ 670,369
Board Designated Endowment Funds	3,074,763	-	-	3,074,763
Total funds	<u>\$ 3,074,763</u>	<u>\$ 70,864</u>	<u>\$ 599,505</u>	<u>\$ 3,745,132</u>

From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the level that the donor requires the League to retain as a fund of perpetual duration. There were no deficiencies of this nature reported in unrestricted net assets as of December 31, 2011 and 2010.

**Note 12 - Lease obligations:**

The League leases warehouse space, office space and office equipment under operating leases with monthly payments ranging from \$107 to \$4,265, which expire at various times through May 2016. Total operating lease expense was \$121,774 and \$96,394 for the years ended December 31, 2011 and 2010, respectively.

The following are future minimum lease payments due under noncancelable operating leases as of December 31, 2011:

<u>Year Ending December 31,</u>	
2012	\$ 83,102
2013	67,135
2014	67,135
2015	62,635
2016	21,753
	<u>\$ 301,760</u>

**Note 13 - Concentrations:**

**Credit risk:**

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

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



**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**

**NOTES TO FINANCIAL STATEMENTS**

**Note 13 - Concentrations (concluded):**

**Market risk:**

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

**Note 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, 2011 and 2010.

A member of the Board of Directors provided investment advisory services to the League. Fees for these services were \$53,576 and \$42,203 for the years ended December 31, 2011 and 2010, respectively, and are included in administrative expenditures in the accompanying statements of activities.

THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED

SCHEDULES OF EXPENDITURES  
YEARS ENDED DECEMBER 31, 2011 AND 2010

	<u>2011</u>	<u>2010</u>
Salaries, compensation and benefits	\$ 6,397,773	\$ 6,017,535
Publication costs	2,230,141	2,149,080
Shipping and forwarding costs	1,492,175	1,514,921
Communication and postage	722,041	727,955
Office supplies and expenditures	552,636	488,232
Legal and professional fees	542,320	527,437
Occupancy costs	536,121	521,573
Other	471,911	506,333
Administrative expenses	435,001	410,496
Travel	409,212	328,168
Rentals and equipment maintenance	113,190	116,998
Depreciation	175,139	206,935
Totals	<u>\$ 14,077,660</u>	<u>\$ 13,515,663</u>

See Report of Independent Public Accountants.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**  
**TEMPORARILY RESTRICTED FUND SUMMARY**  
**YEAR ENDED DECEMBER 31, 2011**

Fund Name	Balance January 1, 2011	Contributions	Investment Income, net	Unrealized Gain (loss)	Released from Restriction	Balance December 31, 2011
H.P. Maxim Award	\$ 36,869	-	\$ 1,572	-	-	\$ 38,441
Project Goodwill	9,733	-	-	-	(1,553)	8,180
Exceptional Merit	1,292,554	-	45,573	(11,717)	(40,000)	1,286,410
Legal Research & Resource	143,318	11,194	-	-	(3,140)	151,372
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	7,901	7,407	-	-	(1,843)	13,465
Defense of Frequencies	-	366,716	835	-	(367,551)	-
Lab Fund	11,518	802	-	-	-	12,320
Education and Technology	167,872	151,412	-	-	(219,489)	99,795
Steven Rich Fund	10,000	-	-	-	-	10,000
Direction Finding	41	500	-	-	(500)	41
Colvin Fund earnings	34,624	-	6,698	(1,846)	(13,500)	25,976
W1AW Fund earnings	36,240	-	19,414	(4,820)	-	50,834
<b>Total Temporarily Restricted Funds</b>	<b>\$ 1,766,040</b>	<b>\$ 538,031</b>	<b>\$ 74,092</b>	<b>\$ (18,383)</b>	<b>\$ (647,576)</b>	<b>\$ 1,712,204</b>

See Report of Independent Public Accountants.

**THE AMERICAN RADIO RELAY LEAGUE, INCORPORATED**  
**TEMPORARILY RESTRICTED FUND SUMMARY**  
**YEAR ENDED DECEMBER 31, 2010**

Fund Name	Balance January 1, 2010	Contributions	Investment Income, net	Unrealized Gain	Released from Restriction	Balance December 31, 2010
H.P. Maxim Award	\$ 35,318	\$ -	\$ 1,551	\$ -	\$ -	\$ 36,869
Project Goodwill	12,233	-	-	-	(2,500)	9,733
Exceptional Merit	1,147,723	-	47,140	137,691	(40,000)	1,292,554
Legal Research & Resource	153,896	10,120	-	-	(20,698)	143,318
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	5,713	2,188	-	-	-	7,901
Defense of Frequencies	-	299,610	942	-	(300,552)	-
Lab Fund	11,394	124	-	-	-	11,518
Education and Technology	234,590	175,894	-	-	(242,612)	167,872
Steven Rich Fund	10,000	-	-	-	-	10,000
Direction Finding	41	-	-	-	-	41
Colvin Fund earnings	18,025	-	6,647	8,952	1,000	34,624
W1AW Fund earnings	-	-	15,952	24,678	(4,390)	36,240
Total Temporarily Restricted Funds	<u>\$ 1,644,303</u>	<u>\$ 487,936</u>	<u>\$ 72,232</u>	<u>\$ 171,321</u>	<u>\$ (609,752)</u>	<u>\$ 1,766,040</u>

See Report of Independent Public Accountants.





**Public Service**



**Advocacy**



**Education**



**Technology**



**Membership**



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

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

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

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

#### **PUBLIC SERVICE**

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

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

#### **ADVOCACY**

The ARRL represents US radio amateurs in legislative matters.

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

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

#### **EDUCATION**

The ARRL promotes interest in Amateur Radio communications and experimentation.

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

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

#### **TECHNOLOGY**

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

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

#### **MEMBERSHIP**

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

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

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



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

—from The Amateur's Code

## Basis and purpose of the Amateur Service

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

(b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.

(c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.

(d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians and electronics experts.

(e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

Title 47, Code of Federal Regulations



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