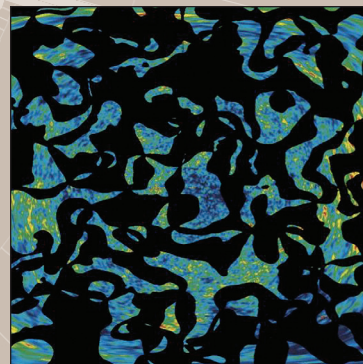
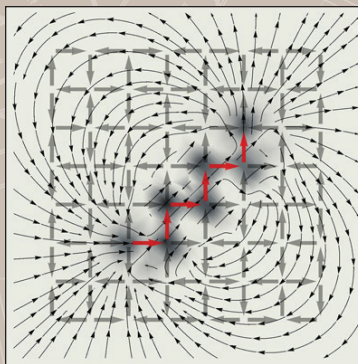
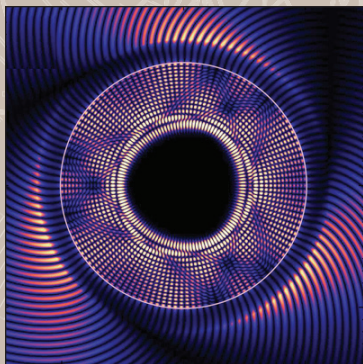
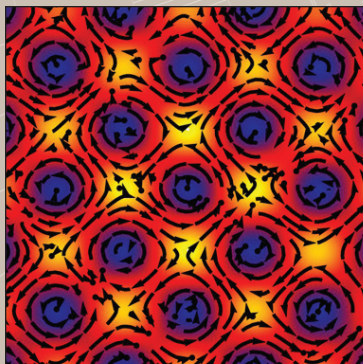
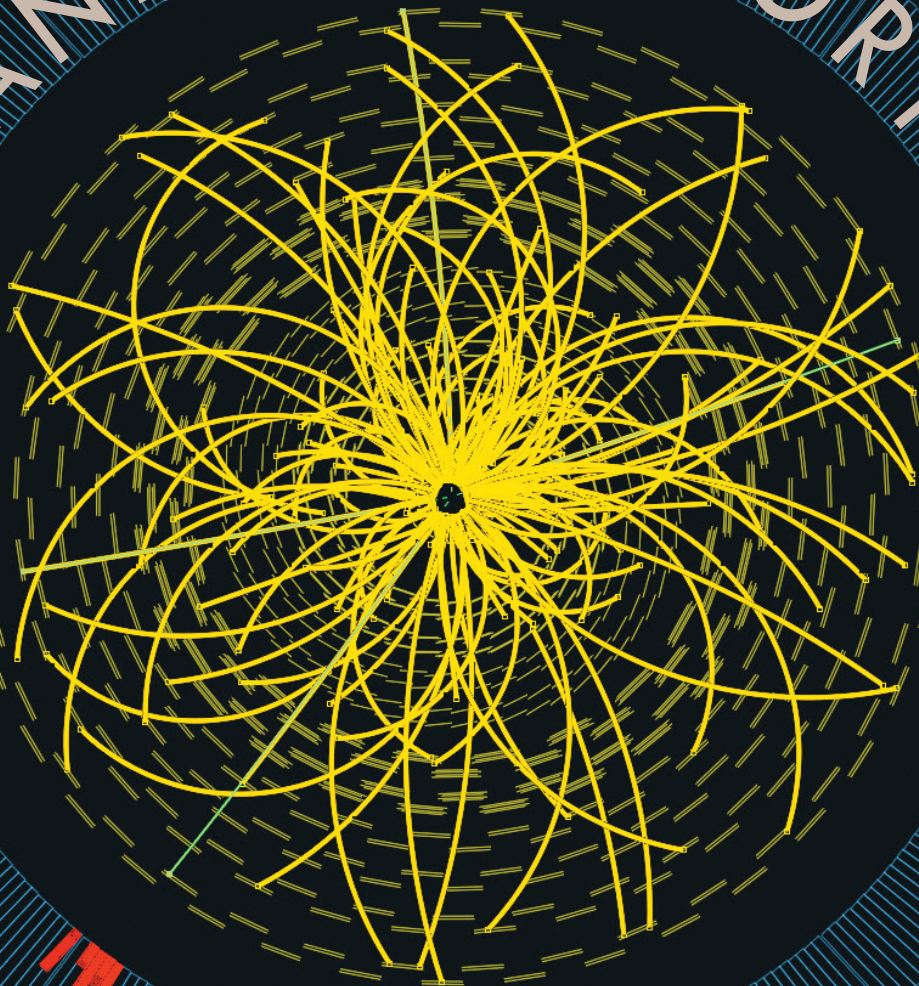
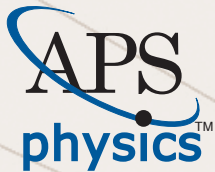


2012 ANNUAL REPORT





THE AMERICAN PHYSICAL SOCIETY STRIVES TO

Be the leading voice for physics and an authoritative source of physics information for the advancement of physics and the benefit of humanity

Collaborate with national scientific societies for the advancement of science, science education, and the science community

Cooperate with international physics societies to promote physics, to support physicists worldwide, and to foster international collaboration

Have an active, engaged, and diverse membership, and support the activities of its units and members.

Cover images: *top*: Real CMS proton-proton collision events in which 4 high energy electrons (green lines and red towers) are observed. The event shows characteristics expected from the decay of a Higgs boson but is also consistent with background Standard Model physics processes [T. McCauley *et al.*, CERN, (2012)] *Bottom, left to right, a*: Vortices on demand in multicomponent Bose-Einstein condensates [R. Zamora-Zamora, *et al.*, Phys. Rev. A **86**, 053624 (2012)] *b*: Differences between emission patterns and internal modes of optical resonators [S. Creagh *et al.*, Phys. Rev. E **85**, 015201 (2012)] *c*: Magnetic field lines of a pair of Nambu monopoles [R. C. Silva *et al.*, Phys. Rev. B **87**, 014414 (2013)] *d*: Scaling behavior and beyond equilibrium in the hexagonal manganites [S. M. Griffin *et al.*, Phys. Rev. X **2**, 041022 (2012)]

Page 2: Effect of solutal Marangoni convection on motion, coarsening, and coalescence of droplets in a monotectic system [F. Wang *et al.*, Phys. Rev. E **86**, 066318 (2012)] *Page 3*: Collective excitations of quasi-two-dimensional trapped dipolar fermions: Transition from collisionless to hydrodynamic regime [M. Babadi *et al.*, Phys. Rev. A **86**, 063638 (2012)] *Page 4*: Numerical simulations showing side views of bending light beam propagation dynamics along parabolic trajectories: nonparaxial Weber accelerating beam (*top*; the dotted curve shows the propagation direction of the beam) and Airy beam (*bottom*) [Peng Zhang *et al.*, Phys. Rev. Lett. **109**, 193901 (2012)] *Page 5*: Contour plots showing the time evolution of the probability density for propagation of electronic wave packets following tunneling ionization for rescattering (*top*) and escaping (*bottom*) electrons, in the presence (*right*) and absence (*left*) of the Coulomb potential. [Dongwen Zhang *et al.*, Phys. Rev. Lett. **109**, 243002 (2012)] *Page 6*: Probing Ordered Lipid Assemblies with Polarized Third-Harmonic-Generation Microscopy [Maxwell Zimmerley *et al.*, Phys. Rev. X **3**, 011002 (2013)] *Page 7*: Roton immiscibility in a two-component dipolar Bose gas [R. Wilson *et al.*, Phys. Rev. A **86**, 033606 (2012)] *Page 8*: Coulomb focusing in above-threshold ionization in elliptically polarized midinfrared strong laser fields [Chengpu Liu *et al.*, Phys. Rev. A **85**, 023413 (2012)] *Page 9*: Colloquium: Perspectives on core-collapse supernova theory [A. Burrows, Rev. Mod. Phys. **85**, 245 (2013)] *Page 10*: Nematic liquid crystals on spherical surfaces: Control of defect configurations by temperature, density, and rod shape [S. Dhakal *et al.*, Phys. Rev. E **86**, 011709 (2012)].

FROM THE PRESIDENT



This year saw a global celebration in July with the discovery of the Higgs. In October we celebrated the Nobel Prize for research in quantum physics. We are now seeing a continued increase in the number of students enrolling in physics and engineering courses. It is a great time to be a physicist!

As the premier membership society for physicists, the APS is in very good stead in its core areas of publishing, meetings, membership growth and finances. We have exceptional programs in outreach, education, international affairs, and government relations and advocacy. However, we should continue to strengthen our organization and to respond to new opportunities. In 2011 we initiated a strategic planning process to help define goals and objectives for the APS over the next five years. The elements of the plan were developed jointly with APS staff and members of the APS Executive Board, and communicated to APS members in 2012.

I call the Strategic Plan the three-plus-one plan, with three outward-facing goals and the fourth goal looking inward to increase organizational excellence. Goal One is to better serve APS members with improved communications, a more diverse and inclusive APS membership and enhanced international engagement. Goal Two is to better serve the physics community by disseminating physics more effectively, serving as the principal voice for physics to policy makers, and leading the development of outstanding programs in education and diversity. Goal Three is to better serve society through becoming an authoritative source for physics information, increasing the public's appreciation of the value of physics, and providing innovative programs to enhance STEM education.

Implementation of the Strategic Plan will be guided by recommendations of various Task Forces of APS members. A Development Task Force, led by President-Elect Mac Beasley, was created early in the process because fund-raising is essential to fulfilling many of the Strategic Plan goals. We also established a Task Force on Early-career Physicists to advise APS on how best to support and engage this important and rapidly growing segment of our membership. A significant challenge for APS publishing is to maintain our excellence while meeting the goal of public access to research supported by federal funds. A Task Force on Open Access is working to communicate with policy makers on these issues.

Other important areas, which we will be examining in the future, include increasing our international engagement, better serving our international members as well as the community of industrial physicists, and ensuring that our meetings continue to be "must attend" events.

It has been my privilege to serve the APS as a member of the presidential line and as president in 2012. Face-to-face meetings with APS unit leaders and committee chairs have confirmed that the core strength of the APS lies in its members and volunteer leaders.

Sincerely,

A handwritten signature in black ink that reads "Robert L. Byer". The signature is written in a cursive style with a horizontal line at the end.

Robert L. Byer
APS 2012 President

APS EDITORIAL OFFICE

Ground is broken and
an ORCID blooms.

Formal ground breaking took place on May 8 on the expansion and renovation project for the APS Editorial Office, located in eastern Long Island. The work has gone forth in stages, with nearly continuous occupation by staff, except for two occasions when the building had to be vacated. For a three week period in late summer, staff were obliged to work remotely while steel girders were craned over the building to form the partial second floor. In late October, the building was closed for three days because of travel difficulties and service interruptions following Hurricane Sandy. The business continuity plan was put into action on both occasions, and users were not affected. The expansion project is expected to tie up by the end of 2013.

Among the new electronic services that came on-line in 2012 were a streamlined submissions interface, and personalized email alerts/RSS feeds that take the place of the retired Virtual Journals. PRC, PRST-AB, and PRST-PER joined PRL and PRB in offering Editors Suggestions: highlighted papers selected by editors and referees for their

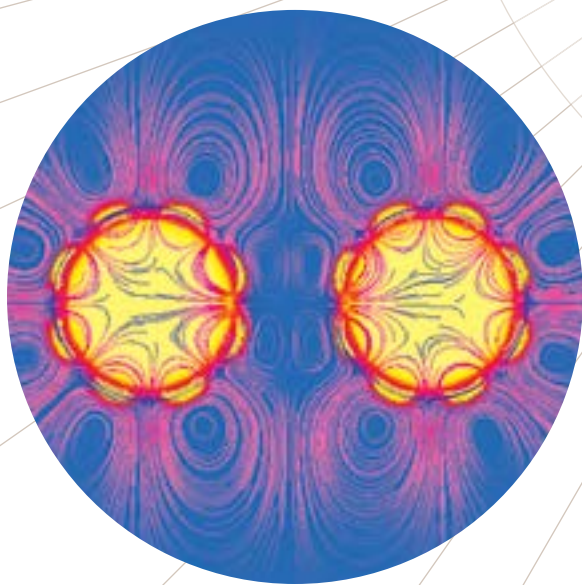
particular interest, importance, or clarity. In October, APS participated as a launch partner in the new ORCID (Open Researcher and Contributor ID) registry that allows researchers in all fields to self-identify with a unique code number. Widespread adoption of ORCID identifiers will improve the scholarly record by unambiguously linking authors to their work.

APS Editorial Office staff members took part in 2012 in an organization-wide effort to develop a digital strategy that will focus, unify, and strengthen the Society's web, social media, and mobile presence. A clearer digital identity, easier navigation within and between sites, and improved service to members, readers, and authors are the goals of the effort.

Physical Review X, APS's newest journal, was a year old in September, and is now indexed in Web of Science. As a gold open access journal, PRX has provided full access to more than 100 high-quality, peer-reviewed papers so far, and submissions continue from a broad cross section of physics disciplines. Total submissions to the APS journals increased by half a percentage point over 2011, to 37,560.

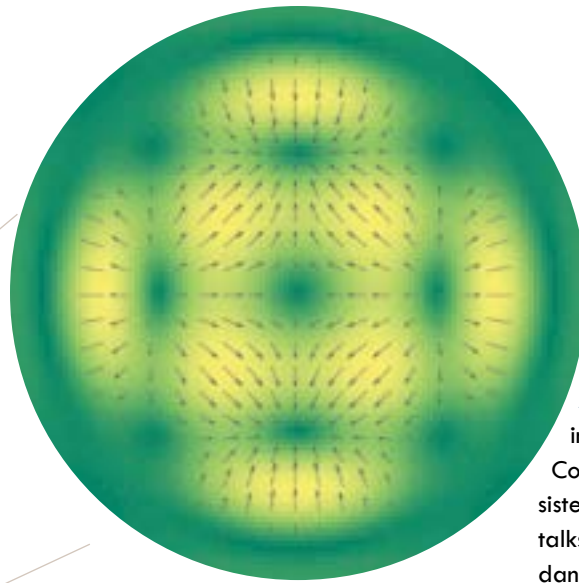
On October 1, Eli Ben-Naim of Los Alamos National Laboratory succeeded Gary Grest as Editor of Physical Review E. Grest had served ably as PRE's editor for over ten years.

APS journals published some of the seminal work by Serge Haroche and David Wineland, winners of the 2012 Nobel Prize for Physics. Notably as well, the "improbable research" behind two Ig Nobel prizes this year also appeared in the Physical Review.



SCIENTIFIC MEETINGS

The annual March and April meetings in 2012 were very successful, both in terms of program content and attendance.



March Meeting The March Meeting in Boston was the largest ever APS meeting (except for the combined March/April Centennial Meeting in 1999). More than 9800 people attended, including 4441 students and more than 2500 international attendees. More than 8700 papers were presented in invited, contributed and poster sessions. Student activities and support continue to be offered and enhanced each year. More than 1200 new APS members were gained during the March Meeting registration process.

Pre-meeting programs included a DPOLY short course, tutorials and several workshops. There was a professional skills development workshop for women physicists, and a career workshop for students. Several special sessions were held during the meeting, including the Prizes and Awards Ceremonial Session, and the first Kavli Foundation Plenary session, which had an attendance of nearly 2000.

April Meeting The 2012 April Meeting in Atlanta celebrated 100 Years of Cosmic Ray Physics. The April program consisted of over 1040 invited and contributed talks. The April meeting had 1366 in attendance, including approximately 200 from the co-located Sherwood Fusion Theory Conference, 347 students, and 100 international attendees. The April meeting gained APS 91 new members.

The April program included a special Kavli Foundation Plenary Session on 100 Years of Cosmic Rays. There were three plenary sessions and a special evening symposium on Energy Challenges Confronting our Nation. Several workshops were held including a Professional Skills Development Workshop and a Graduate Student Career Panel.

Unit Meetings Throughout 2012 there were many other scientific meetings sponsored by APS units, including the meetings of the Divisions of Nuclear Physics (DNP), Atomic, Molecular & Optical Physics (DAMOP), Fluid Dynamics (DFD), Plasma Physics (DPP) and Laser Science (DLS), as well as a number of meetings sponsored by Topical Groups and Sections.

PRIZES, AWARDS, FELLOWSHIPS

The Society presented prizes and awards to numerous individuals, and elected a new class of APS Fellows.

At the March Meeting, the Society presented 18 prizes and awards to a total of 21 individuals. At the April Meeting, 14 prizes and awards went to 18 physicists. Twenty-two other individuals received 12 prizes and awards at meetings of various APS divisions and topical groups.

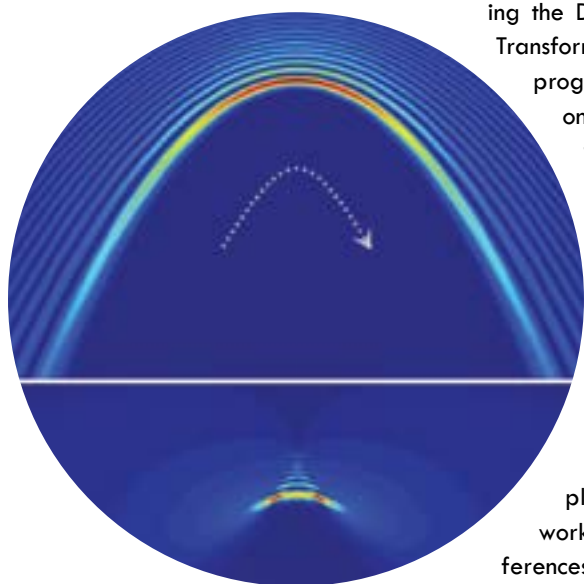
The Society also elected 250 new Fellows in 2012, a distinct honor reserved for no

more than $\frac{1}{2}$ of 1% of APS members in any given year.

Council approved one new prize and one new award in 2012. In April, the Feshbach Prize in theoretical nuclear physics was approved; in November, the Jonathan Reichert and Barbara Wolff-Reichert Award for Excellence in Advanced Laboratory Instruction was added to the APS portfolio.

PUBLIC AFFAIRS

Marshaling its advocacy and media resources, and working with other organizations, APS successfully advanced several policy initiatives in 2012



Despite the toxic election-year politics of 2012, APS was able to successfully promote a number of policy initiatives that should yield results in the next few years. Legislatively, APS worked with congressional offices to craft language that would assure a reliable supply of “energy critical elements” and helium-4, free of damaging price fluctuations. The Washington Office also continued to petition the Nuclear Regulatory Commission for a rule change that would raise the barrier to nuclear proliferation. At year’s end, the issues remained unresolved. Finally, the APS Panel on Public Affairs completed one study assessing the Domestic Nuclear Detection Office’s Transformational and Applied Research program and initiated two new studies, one on life-extension of nuclear reactors and another on the technical requirements for the reduction of tactical nuclear weapons.

In coordination with other science and engineering advocates, APS engaged Congress, the Office of Management and Budget and the Department of Energy to mitigate the impact of travel restrictions on federal employees and national laboratory workers wishing to attend scientific conferences. The White House promulgated the proscriptive rules in response to a scandal that had enveloped the General Services Administration (GSA) in 2011. To publicize the adverse impact of the rules on scientific research, APS President Robert Byer and American Chemical Society President Bassam Z. Shakhshiri wrote an op-ed that appeared in The Hill newspaper’s Congress blog. Although the restrictions remain in effect, federal agencies have begun to implement administrative procedures that at least are helping to address some of the uncertainties.

Throughout the year, APS worked closely with other Washington organizations to lobby against across-the-board budget cuts (sequestration) mandated by the 2011 Budget Control Act and scheduled to take effect on January 2, 2013. To highlight the damage sequestration would cause, the Washington Office amassed thousands of signatures on its “Contact Congress” petitions during the March, April, DAMOP and DPP meetings. In addition, APS led a multi-society student effort that generated several op-eds and garnered 6,200 signatures on a letter hand-delivered to all 100 Senate offices in the 50 states. In the waning hours of 2012, Congress and the White House agreed to defer the sequestration for two months, thereby staving off reductions of 8% or more to all science programs. To dramatize the importance of federally funded scientific research, the Washington Office helped organize a Senate briefing on “deconstructing the iPad” and took the first steps in establishing a multi-institutional campaign aimed at marketing scientific impacts to the general public.

The Washington Office also raised concerns about making scholarly articles based on federally-funded research freely available. An op-ed by APS Vice-President Malcolm Beasley in the San Jose Mercury News underscored the challenges that open access poses to scientific publishing.

And finally, APS Director of Public Affairs Michael Lubell endeavored to keep the public up-to-date on the latest science policy news through his role as a regular guest columnist for Roll Call, one of three main Capitol Hill newspapers.

PHYSICS EDUCATION

The Physics Teacher Education Coalition (PhysTEC), has more than doubled the number of highly qualified physics teachers that graduate from supported sites.

Promoting and improving the education of future high school physics teachers through the Physics Teacher Education Coalition (PhysTEC) remains the signature educational program of the APS. Throughout the past decade, PhysTEC has more than doubled the number of highly qualified physics teachers that graduate from supported sites. PhysTEC is led by APS in partnership with American Association of Physics Teachers (AAPT) and is supported the National Science Foundation (NSF) and contributions from APS members and private foundations.

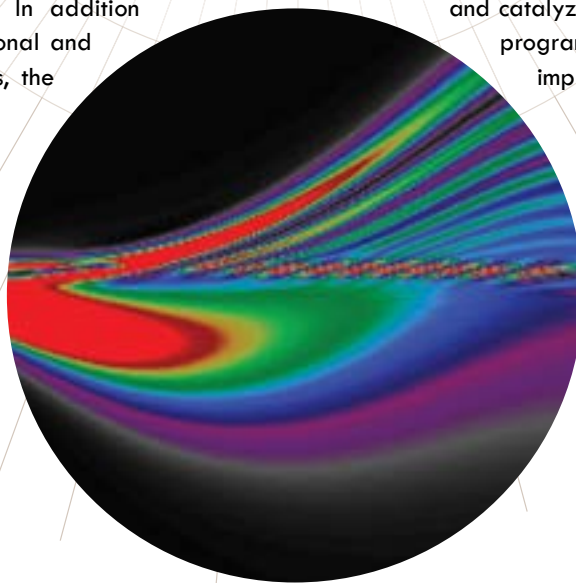
In 2012, the project expanded support to an additional six sites, and plans to support six additional institutions by summer 2013 – bringing the total to around 35. Also in 2012, the American Chemical Society submitted an NSF proposal to fund the Chemistry Teacher Education Coalition, closely modeled after PhysTEC.

Member institutions of PhysTEC grew to more than 275, and the project supported these universities and colleges through conferences, workshops, networking, and advocacy. The 2012 PhysTEC Conference filled to capacity. In addition to sponsoring regional and national workshops, the

project completed the Task Force on Teacher Education in Physics report – a systemic review of physics teacher education in the US (PhysTEC.org and PTEC.org).

A partnership with AAPT and the American Astronomical Society continues to offer New Faculty Workshops, which help beginning faculty members learn about their role as educators while managing their numerous other professional responsibilities. These NSF-funded workshops reach about 40% of all new faculty in physics and astronomy, and were specifically cited by the Obama administration's President's Council of Advisors on Science and Technology (PCAST) in their February 2012 report, Engage to Excel.

This year marked the second Award for Improving Undergraduate Physics Education, a recognition sponsored by the APS Committee on Education to acknowledge physics departments and undergraduate-serving programs in physics that support effective practices in education at the undergraduate level. It has been awarded to four programs each year, recognizing commitment to high-quality physics education for undergraduate students and catalyzing departments and programs to make significant improvements.



INFORMING THE PUBLIC

APS outreach uses its creativity and enthusiasm to develop innovative and exciting programs for the public. Media relations promotes wide dissemination of the latest physics research.

Public Outreach PhysicsQuest is a kit-based program for middle school students, which reaches over 13,000 classrooms each year. In 2012, for the fourth year in a row, it featured a comic about laser superhero, Spectra, who, in this year's book, must stop the well-meaning, yet crazy, swim coach from destroying the team in his effort to win the state championship. Registration for 2012's PhysicsQuest filled up in one week. Over 3 million students have seen a PhysicsQuest kit.

For the third consecutive year, APS exhibited at the world's largest comic book convention, Comic-Con International in San Diego. APS is the first professional society to exhibit at this kind of event and it has been a huge success. Over 125,000 people attend the convention each day, and in 2012, APS distributed over 1.5 tons of comic books to eager fans. The APS booth was included on many people's "must see" lists and there were a large number of repeat visitors. This year our comic book about Nikola Tesla was quoted in the Wall Street Journal, and Morgan Spurlock took a particular liking to our comics.

New sections have been added to the APS outreach website PhysicsCentral, and the layout has been made more user-friendly. The site hit several milestones in 2012, recording almost as many visits as in 2009, 2010 and 2011 combined. This year we partnered with NASA Johnson Space Center to produce the series of videos "Science Off The Sphere," starring astronaut Don Pettit. He spent six months aboard the International Space Station, and devoted much of his off-duty time to filming physics demonstrations in microgravity. The APS had first access to the footage and created 14 entertaining and informative episodes. To date,

they have been viewed over 4 million times.

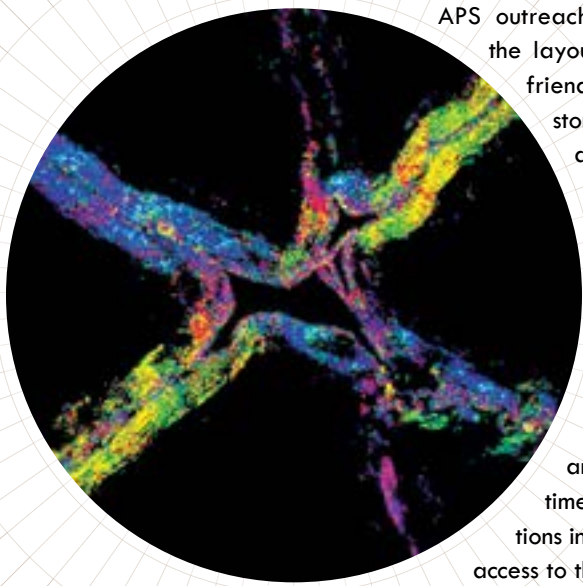
This year APS jumped into the world of Apps and created "SpectraSnapp." The app includes instructions to build a \$2.00 spectrometer attachment for one's iPhone camera. One can use the app to take a picture of the spectrum of any light source and compare it to a database of known spectra. It is available for download, free, at the iTunes store.

This was the second year the Outreach Department and Committee on Informing the Public awarded grants of up to \$10,000 to APS members wishing to start their own outreach programs. More than 80 proposals were received, and we were able to fund seven of them.

Media Relations APS Media relations promotes coverage of physics research in the popular media, and helps science journalists stay informed about the latest physics news. Vehicles for disseminating physics news include email alerts, embargoed press releases distributed through services such as EurekAlert, and the APS Physics News Ticker blog.

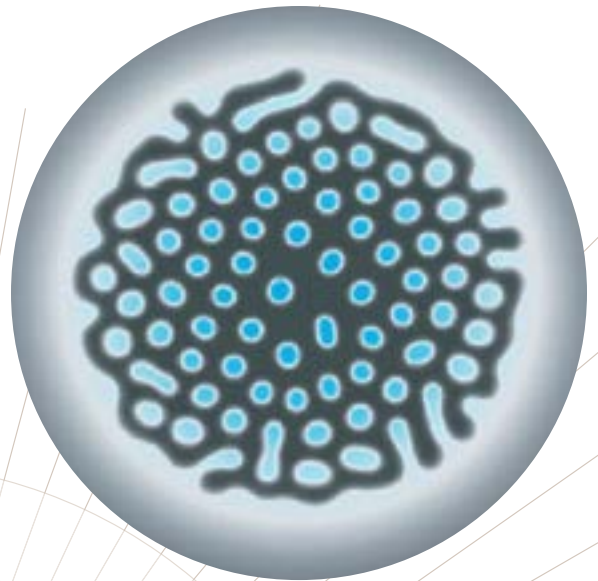
APS journal articles are among the leading sources of physics news worldwide. Major news outlets cover 3 to 5 APS journal articles weekly, which led to more than 200 unique APS journal articles covered in thousands of news stories and feature articles. APS annual meeting news is disseminated through APS-hosted on-site pressrooms. Virtual online pressrooms and call-in press conferences allow reporters to cover the annual meetings remotely.

Stories promoted through APS Media Relations efforts appeared in a range of media including *The New York Times*, the *Associated Press*, *USA Today*, *BBC News*, *Wired Magazine*, *Fox News*, the *LA Times*, the *Washington Post*, *National Public Radio*, *MSNBC*, *ABC News*, *Nature News*, *Science Now*, *German Public Radio*, *National Geographic*, the *PBS News Hour*, the *Economist*, and many others.



The APS Bridge Program secured \$3-million in funding from the NSF to increase the number of minorities receiving PhDs in physics.

INCREASING DIVERSITY



Thanks to private donations, the Society has been able to continue its successful Minority Scholarship Program for undergraduate physics majors. In 2012, 39 minority students received scholarships through this program, and 16 additional students received honorable mentions – a new program distinction (MinoritiesInPhysics.org).

In September, the National Science Foundation awarded APS \$3-million over the next five years to launch the APS Bridge Program, a national effort to increase the number of underrepresented minority (URM) students who receive doctoral degrees in physics. The program is developing sustainable “bridging” experiences at universities that will provide research opportunities, advanced coursework, and mentoring to facilitate access to graduate programs for URM students. In the fall of 2012, the project solicited proposals to fund the first sites.

The program also began forming a national network of institutions committed to improving diversity that includes colleges, universities, and other organizations. This network of member institutions will share innovative ideas, learn from leaders in the field, and promote diversity in physics. The program currently has 23 member institutions, and is planning a conference in June 2013. (APSBridgeProgram.org).

In January 2012 the Committee on the Status of Women in Physics (CSWP) began a program to highlight exceptional female physicists. The CSWP Woman Physicist of the Month award recognizes female physicists who have positively impacted other individuals’ lives and careers. Each CSWP Woman Physicist of the Month is featured in a variety of media and recognized at an APS national meeting.

APS helped make its meetings more family-friendly by providing childcare grants to early-career attendees at its national meetings. In addition to the March and April meetings, four APS divisions (DPF, DPP, DPB, and DFD) initiated childcare grants for their annual meetings and two units (DPOLY and GPMFC) provided funds to supplement the March and April meeting grants.

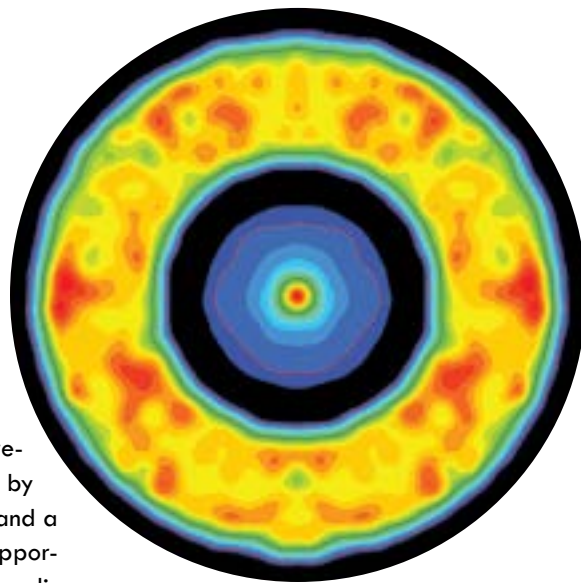
This year, CSWP began sponsorship of the Conferences for Undergraduate Women in Physics. The NSF, DOE, and host universities support these regional conferences where, in 2012, more than 800 female physics students and practicing physicists met to present scientific papers, learn about career information, network, and experience in person the growing presence of women in physics (WomenInPhysics.org).

PHYSICS CAREERS

APS provided an expanded range of professional development and career resources to our membership.

In 2012, APS expanded its career related activities to divisional meetings by offering a new APS-managed job fair, and a physics careers panel and networking opportunity at the DPP meeting. APS also coordinated with the Forum on International Physics on a webinar broadcast, targeted to South Asian APS Members, focusing on applying to graduate schools in the US.

The APS online job center (careers.aps.org) saw hundreds of new registered job seekers and jobs posted, using the revenue to supplement and improve existing career programs for members, including career workshops, job fairs, and networking opportunities at APS meetings.



APS produced Physics InSight, a free recruiting resource suitable for hallway displays at universities, high schools, and middle schools. This customizable slideshow provides information on the wide variety of career paths available to those with a degree in physics. InSight now reaches over 300 physics departments worldwide, and is updated several times each semester with physicist profiles and interesting physics and career facts (aps.org/careers/insight).

SOCIETY MEMBERSHIP

APS membership grew in key areas.

The official APS membership for this year was 49,653. Although the total was down slightly from last year, there was still marked growth of almost 1,400 from two years ago. There were also increases of about 400 in both the international member category and among paying students.

The number of APS Units grew again in 2012, now at 43, with the addition of the Mid-Atlantic Section serving Delaware, the District of Columbia, Maryland, New Jersey, Pennsylvania and West Virginia. All U.S. states are now served by an APS Section, as are some Canadian provinces. APS Units provide another avenue for members to volunteer

and get involved within the Society. The number of APS members who belong to one or more of the Divisions, Topical Groups, Forums and/or Sections stands at almost 32,000.

The "Friends of APS" program, started in 2000, currently has 243 participants worldwide. "Friends" are those generous and dedicated APS members who have agreed to help facilitate communication with current and potential members at their institutions. Throughout the year, information is sent to them regarding membership, programs, and benefits to be shared with colleagues and students. The "Friends" program is a useful tool in both retaining and attracting APS members.

INTERNATIONAL AFFAIRS

**The Society
fostered new
international relations
and strengthened
existing partnerships.**

In 2012, the Society took advantage of a number of exciting opportunities to expand its partnerships and develop new collaborations. In September, a delegation of APS leaders traveled to China for visits with universities, researchers, and institutes throughout China, Hong Kong, and Taiwan. The Annual Meeting of the Chinese Physical Society (CPS) in Guangzhou served as a cornerstone of the trip, with the APS vice-President speaking at the first-ever CPS-APS joint scientific session. The trip enabled APS to make new connections throughout the region and to explore joint programs that could serve our collective physics communities.

APS also continued its collaboration with the Indo-U.S. Science and Technology Forum and the Sociedade Brasileira de Física to offer the Brazil & India Physics Student & Professor Exchange Programs. The Physics Student Exchange Programs offered graduate students opportunities to attend a short-course or summer institute in another country, or work overseas with a professor in his/her field of study. The Professorship/Lectureship Exchange Programs funded physicists wishing to teach a short course or deliver a lecture series in the other country.

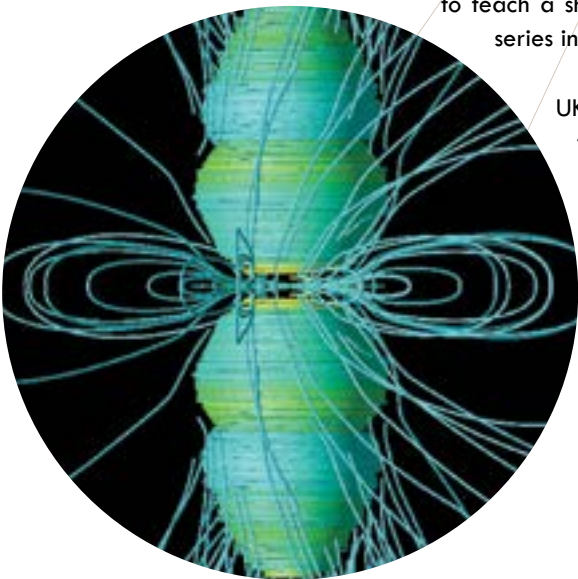
In partnership with the UK Institute of Physics (IoP) and the Abdus Salam International Centre for Theoretical Physics, the Society continues to co-sponsor workshops designed

for physicists and engineers from developing countries who are interested in learning entrepreneurial skills. Such an educational program is missing in many of the developing countries.

Together with the European Physical Society, the IoP, and the German Physical Society, APS renewed its support of the SESAME Travel Award Program that funds training opportunities for scientists in the Middle East. SESAME is a synchrotron light source in Amman, Jordan, that brings together physicists from around the Middle East, including several Arab countries, Israel, Iran and Turkey, for international scientific collaboration.

The Society continued to bring distinguished international speakers to its March and April Meetings through both the Marshak and Beller Lectureships, which support physicists from the developed and developing countries respectively. In addition, the APS International Travel Grant Award Program supported developing scientists' travel to visit collaborators in developed countries.

The Society also participated with other organizations in the AAAS Science and Human Rights Coalition--a network of professional societies strengthening connections between the human rights and scientific communities. Through this Coalition, the APS stressed the need for scientific organizations to advocate for the human rights of scientists in the U.S. and around the world.



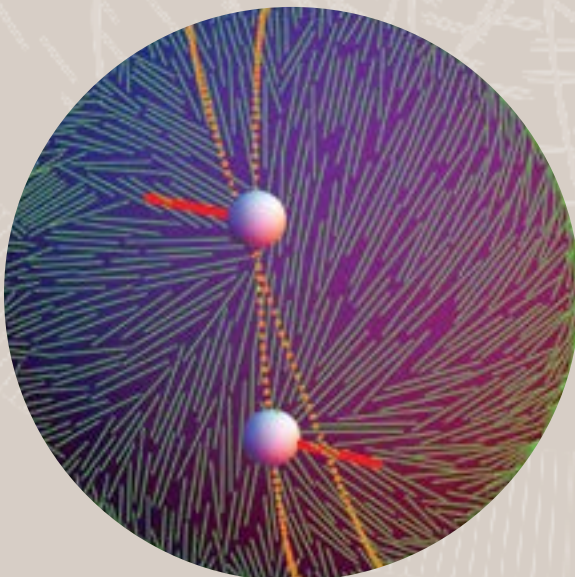
FINANCES December 31, 2012

During the fiscal year 2012, the total assets of the American Physical Society increased from \$134.2M to \$149.2M, while the Society's liabilities increased to \$39.6M from \$35.5M the previous year.

The tables and charts in this section summarize the financial operations of the Society as of December 31, 2012. The table headed Statement of Financial Position shows the final financial position of the Society for 2012 and 2011. The table headed Statement of Activities shows the financial activities of the various components of the Society for the 2012 and 2011 fiscal years. The distribution of operating revenues and expenses across the components of the Society is also displayed graphically in the accompanying figures.

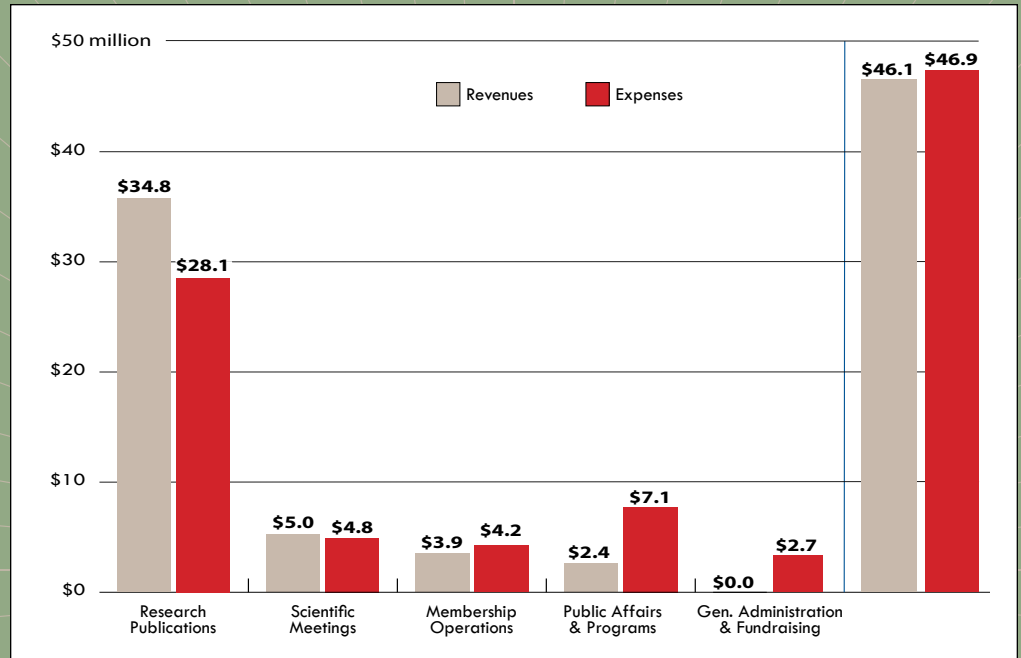
Net assets at the end of fiscal year 2012 were \$109.6M, compared with \$98.7M at the end of 2011. These include \$12.2M in restricted net assets, which are funds for prizes and awards and for the programs of past capital campaigns. The restricted net assets increased from \$11.3M at the end of 2011. The unrestricted net assets include the Society's operating accounts (cash and cash equivalents), totaling \$14.2M at the end of 2012, and its investments in equities and fixed-income issues. These investments were \$119.8 at 12/31/12 and \$107.0M at 12/31/11.

Business Continuity Plans (BCPs) are in place for the College Park, Washington D.C., and Ridge offices. The BCPs provide action plans in the event of a disruption of normal operations by natural or manmade events. The BCPs include contact names, checklists of orderly procedures, and plans for off-site operations if necessary. The BCPs are updated annually and a report on their status is made to the audit committee.

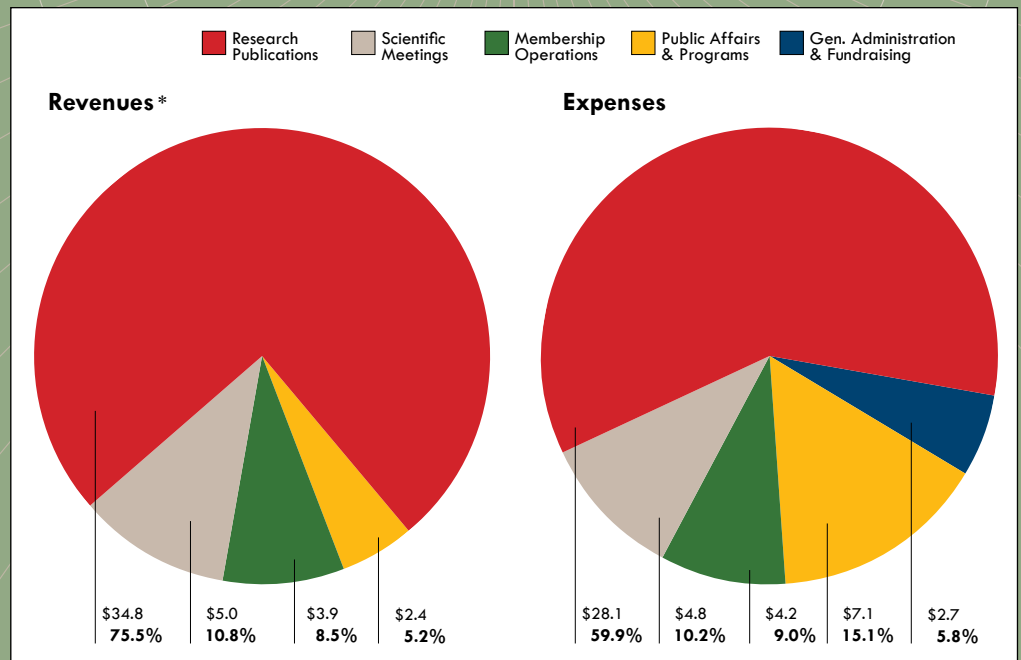


FINANCES December 31, 2012

OPERATING REVENUE & EXPENSES (IN \$ MILLIONS)



STATEMENT OF ACTIVITIES (IN \$ MILLIONS)



* Financial support to APS programs is included in Revenue figures.

FINANCIAL POSITION

December 31, 2012 and 2011

	2012	2011
ASSETS		
Cash and cash equivalents	\$ 14,170,750	\$ 12,475,498
Investments, at fair value	119,792,126	106,996,767
Accounts receivable:		
American Institute of Physics	31,907	4,033,607
Other, net of allowance for doubtful accounts of \$24,000 in 2012 and 2011	869,134	575,495
Pledges receivable, net	407,914	155,668
Prepaid expenses and other assets	897,179	1,327,491
Equity interest in American Center for Physics	2,457,100	2,137,191
Land, building and equipment, net	10,083,254	6,002,775
Beneficial interest in perpetual trust	513,488	484,141
Total assets	\$ 149,222,852	\$ 134,188,632
LIABILITIES AND NET ASSETS		
Liabilities:		
Accounts payable and accrued expenses	\$ 4,792,233	\$ 3,201,879
Deferred revenues:		
Publications	14,022,759	14,470,814
Membership dues	2,890,574	2,887,127
Other	140,124	320,982
Liability for post-retirement medical benefits	17,787,201	14,607,200
Total liabilities	39,632,891	35,488,002
Commitments and contingencies		
Net assets:		
Unrestricted	97,430,097	87,401,693
Temporarily restricted	9,837,234	9,115,373
Permanently restricted	2,322,630	2,183,564
Total net assets	109,589,961	98,700,630
Total liabilities and net assets	\$ 149,222,852	\$ 134,188,632

STATEMENT OF ACTIVITIES

December 31, 2012 and 2011

	2012	2011
CHANGE IN UNRESTRICTED NET ASSETS		
Revenues		
Research publications	\$ 34,826,857	\$ 33,288,150
Scientific meetings	5,024,312	5,251,370
Membership operations	3,909,243	3,716,558
Public affairs and programs	1,794,759	1,249,332
Net assets released from restrictions	563,854	669,625
	46,119,025	44,175,035
Expenses		
Program services		
Research publications	28,132,876	27,462,504
Scientific meetings	4,816,383	4,666,447
Membership operations	4,232,289	4,638,004
Public affairs and programs	6,472,747	5,820,785
Prizes and related costs	563,854	669,625
Total program services	44,218,149	43,257,365
Supporting services		
Fundraising	514,657	523,201
General and administrative	2,194,378	1,879,166
Total supporting services	2,709,035	2,402,367
Total expenses	46,927,184	45,659,732
Loss from operations	(808,159)	(1,484,697)
Non-operating activities		
Income from investments	2,249,359	1,894,861
Net unrealized gain (loss) gain on investments	8,453,513	(3,325,899)
Net realized gain on investments	1,505,889	882,862
Equity interest in American Center for Physics	319,909	355,040
Change in post-retirement medical benefits other than net periodic postretirement medical benefit cost	(1,692,107)	(474,152)
	10,836,563	(667,288)
Change in unrestricted net assets	10,028,404	(2,151,985)
CHANGE IN TEMPORARILY RESTRICTED NET ASSETS		
Contributions	690,143	189,942
Income from investments	595,572	576,235
Net assets released from restrictions	(563,854)	(669,625)
Change in temporarily restricted net assets	721,861	96,552
CHANGE IN PERMANENTLY RESTRICTED NET ASSETS		
Contributions	109,720	9,186
Gain (loss) on beneficial interest in perpetual trust	29,346	(1,748)
Change in permanently restricted net assets	139,066	7,438
Change in net assets	\$ 10,889,331	\$ (2,047,995)

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