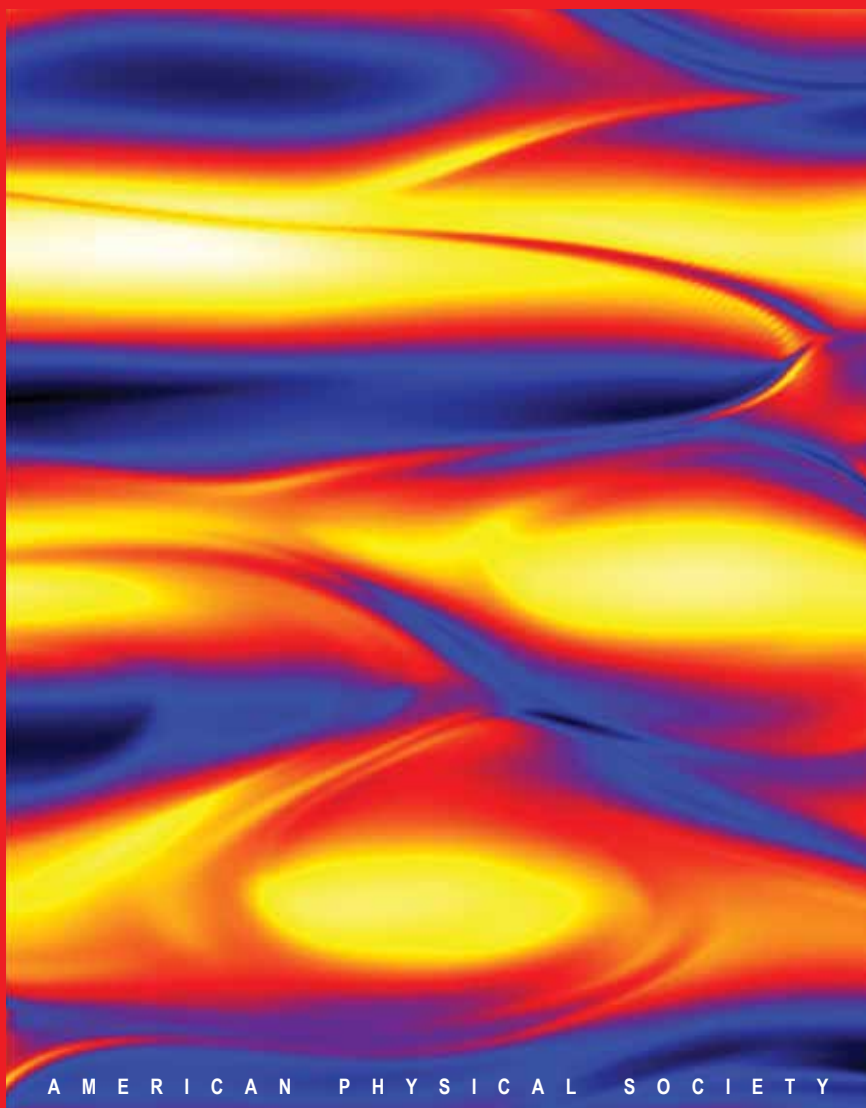
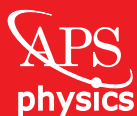


Guide to Member Services

January 2011 - December 2011



A M E R I C A N P H Y S I C A L S O C I E T Y



GUIDELINES FOR PROFESSIONAL CONDUCT

The Constitution of the American Physical Society states that the objective of the Society shall be the advancement and diffusion of the knowledge of physics. It is the purpose of this statement to advance that objective by presenting ethical guidelines for Society members. Each physicist is a citizen of the community of science. Each shares responsibility for the welfare of this community. Science is best advanced when there is mutual trust, based upon honest behavior, throughout the community. Acts of deception, or any other acts that deliberately compromise the advancement of science, are unacceptable. Honesty must be regarded as the cornerstone of ethics in science. Professional integrity in the formulation, conduct, and reporting of physics activities reflects not only on the reputations of individual physicists and their organizations, but also on the image and credibility of the physics profession as perceived by scientific colleagues, government and the public. It is important that the tradition of ethical behavior be carefully maintained and transmitted with enthusiasm to future generations. The following are the minimal standards of ethical behavior relating to several critical aspects of the physics profession. Physicists have an individual and a collective responsibility to ensure that there is no compromise with these guidelines.

RESEARCH RESULTS The results of research should be recorded and maintained in a form that allows analysis and review. Research data should be immediately available to scientific collaborators. Following publication, the data should be retained for a reasonable period in order to be available promptly and completely to responsible scientists. Exceptions may be appropriate in certain circumstances in order to preserve privacy, to assure patent protection, or for similar reasons. Fabrication of data or selective reporting of data with the intent to mislead or deceive is an egregious departure from the expected norms of scientific conduct, as is the theft of data or research results from others.

PUBLICATION & AUTHORSHIP PRACTICES Authorship should be limited to those who have made a significant contribution to the concept, design, execution or interpretation of the research study. All those who have made significant contributions should be offered the opportunity to be listed as authors. Other individuals who have contributed to the study should be acknowledged, but not identified as authors. The sources of financial support for the project should be disclosed. Plagiarism constitutes unethical scientific behavior and is never acceptable. Proper acknowledgment of the work of others used in a research project must always be given. Further, it is the obligation of each author to provide prompt retractions or corrections of errors in published works.

PEER REVIEW Peer review provides advice concerning research proposals, the publication of research results and career advancement of colleagues. It is an essential component of the scientific process. Peer review can serve its intended function only if the members of the scientific community are prepared to provide thorough, fair and objective evaluations based on requisite expertise. Although peer review can be difficult and time-consuming, scientists have an obligation to participate in the process. Privileged information or ideas that are obtained through peer review must be kept confidential and not used for competitive gain. Reviewers should disclose conflicts of interest resulting from direct competitive, collaborative, or other relationships with any of the authors, and avoid cases in which such conflicts preclude an objective evaluation.

CONFLICT OF INTEREST There are many professional activities of physicists that have the potential for a conflict of interest. Any professional relationship or action that may result in a conflict of interest must be fully disclosed. When objectivity and effectiveness cannot be maintained, the activity should be avoided or discontinued. It should be recognized that honest error is an integral part of the scientific enterprise. It is not unethical to be wrong, provided that errors are promptly acknowledged and corrected when they are detected. For supplemental statements to the Guidelines for Professional Conduct see http://www.aps.org/statements/02_2.cfm.

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*Cover photo: Elastic waves and transition to elastic turbulence in a two-dimensional viscoelastic Kolmogorov flow (Phys. Rev. E **82**, 036314 (2010)).*

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www.aps.org

APS MEMBERSHIP BENEFITS

Membership in the American Physical Society is open to all individuals with a strong interest in physics.

KEEPING CURRENT with *Physics Today* monthly, from the American Institute of Physics (AIP), and *APS News*, eleven times per year from APS. For the latest in physics research, members have the opportunity to attend over 20 APS meetings at reduced member rates. *Physics News*, an annual summary of highlights in physics compiled by AIP, is also sent to members each year.

A STRONGER PHYSICS COMMUNITY by adding your membership to the voice of 48,000 colleagues. APS is an advocate for funding for research and science education, and provides scientific expertise on issues such as energy and the environment. Members and the community benefit from many education and outreach programs and from APS efforts to inform the public about physics. For those interested in domestic policy, APS provides the unique opportunity of participating in special lobbying events on Capitol Hill.

NETWORKING OPPORTUNITIES are available through the use of the online APS Membership Directory, joining and becoming active within APS Units and by attending APS meetings. Members are also invited to become involved in Society affairs by serving on APS committees and volunteering for service within their units.

PROFESSIONAL DEVELOPMENT AND RECOGNITION by attending APS meetings and the opportunity to present papers at those meetings. Members have access to career information at meetings, on the APS career website, and through APS News. APS also offers the opportunity to be recognized by colleagues and peers through APS Prizes, Awards and Fellowship. Members also receive benefits from reciprocal arrangements with other physics societies around the world.

PROFESSIONAL JOURNALS for your personal use, at discounted member rates from APS and AIP. Online only access to APS journals is available to members for only \$45 each. Members also receive discounts on PROLA (Physical Review Online Archive) and article purchases.

PERSONAL BENEFITS offered to APS members include group, life and auto insurance at competitive rates. APS also provides an e-mail alias service for members. Members will receive a poster size, year-at-a-glance calendar to track all APS meeting dates. Links for all services listed above can be found on www.aps.org/membership/services/index.cfm.

MEMBERSHIP DUES

Regular Member/Fellow	\$128	Divisions	\$8
Junior Member.....	\$64	Topical Groups	\$8
Student Member.....	\$32	Forums.....	Two at no charge
Senior Member	\$64		Each additional: \$8
Life Member *	\$1920	Sections	no charge
Senior Life Member *	\$960		

**See page 4 for more options*

All prices are listed and must be paid in U.S. Dollars. Prices valid for January 1, 2011 through December 31, 2011 memberships. All new and reinstated memberships and journal subscriptions begin the month following receipt of application/payment and continue for 12 months. Reinstated print subscriptions will not be back-dated. Accepted payment: American Express, Optima, Mastercard, VISA, Diners Club, Discover, Checks made payable to APS, drawn on a U.S. bank in U.S. dollars, or Money Order.

MEMBERSHIP OPTIONS

STUDENTS enrolled full-time in an educational institution qualify for membership at a reduced rate of \$32. Student membership includes two free Divisions or Topical Groups, in addition to complimentary Forums and Sections. Students may also choose **one** of the following:

- free online subscription to *Physical Review Letters*, *Reviews of Modern Physics* or one section of *Physical Review*, or
- \$25 discount on PROLA (Physical Review Online Archive).

FREE ONE-YEAR TRIAL MEMBERSHIP for undergraduate and graduate students enrolled full-time in physics or related programs in the United States, Canada or Mexico. The Trial Membership includes a free online subscription to *Physical Review Letters*, *Review of Modern Physics* or one section of *Physical Review* and two free Divisions or Topical Groups, in addition to complimentary forums and sections. Contact your department chair or visit www.aps.org/membership/student.cfm for more information.

JUNIOR MEMBERSHIP is available for recent graduates at a reduced rate of \$64. This category is designed to help physicists in the period immediately following receipt of their final degree or the termination of their full-time student status. To qualify for Junior dues, you must have received your final degree within the last 12 months. A Junior member may remain in this category for a maximum of three years. After this three-year period, the Junior member will automatically be billed as an APS Regular member.

MEMBERSHIP OPTIONS

SENIOR MEMBERS pay \$64, one-half the regular dues. To qualify, the member must have at least 10 consecutive years of APS membership. In addition, the member must meet at least one of the following criteria:

- Reached the age of 70,
- Retired from gainful employment, or
- Retired due to permanent disability

Senior members retain all membership privileges and continue to receive *Physics Today*, *APS News*, and other Society mailings. Seniors also have a choice of one free online APS Journal subscription if subscribing to PROLA.

For those who qualify, write “Senior Member” on your invoice and adjust the dues amount to \$64 (or \$960 for Senior Lifetime Membership). Senior members for whom the \$64 dues cause a hardship may adjust the rate to \$0.

LIFE MEMBERSHIP is available to any new or current member at 15 times the current Regular dues rate: \$1920. Life members also have the option of 1) free life membership in one Division or Topical Group; and 2) additional life memberships in such units at a rate 15 times the unit dues rate in effect at the time of payment, currently \$120.

SENIOR LIFE MEMBERSHIP is available to those members qualifying for Senior membership at 15 times the current Senior dues rate: \$960.

UNEMPLOYED MEMBERS may qualify for a waiver of dues for up to two years by sending notification to the APS Membership Department. To qualify, the member must be a current regular or junior member actively seeking employment.

THE MATCHING MEMBERSHIP PROGRAM brings the benefits of APS membership to physicists in developing and dollar-poor countries. Two categories of membership are available through the program:

- **Sponsored Matching Member** 50% off the full membership dues underwritten by another individual.
- **Fund Matching Member** dues subsidized by APS for up to four years.

For more information about the Matching Membership Program, please contact the Membership Department at 301-209-3280 or membership@aps.org.

MEMBERSHIP PUBLICATIONS

Physics Today <i>Paper copy + Online</i>	12 issues included with APS membership (optional international airfreight available \$35)
APS News <i>Paper copy + Online</i>	11 issues included with APS membership (optional international airfreight available \$15)

APS PUBLICATIONS: *January 1, 2011 - December 31, 2011*

APS Members may subscribe to up to three APS journals, plus PROLA, for their personal use at APS Member Society rates. Resale or institutional use of personal journals is prohibited for five years after delivery. CD-ROM compilations of Physical Review sections, PRL, and RMP are available, see www.aps.org/memb/cdrom-list.cfm for availability and pricing or contact the APS Membership Department.

PRINT & ONLINE SUBSCRIPTIONS *No. Issues* *Domestic¹* *Foreign²* *Airfreight³*

Physical Review Letters <i>Paper copy + Online</i>	52	\$ 364.00	\$ 674.00	\$ 814.00
Online Only (1958-Current)	52	\$ 45.00		
Reviews of Modern Physics <i>Paper copy + Online</i>	4	\$ 104.00	\$ 134.00	\$ 139.00
Online Only (1929-Current)	4	\$ 45.00		

ONLINE ONLY SUBSCRIPTIONS & PUBLICATIONS *No. Issues* *Price*

Physical Review A <i>Online Only</i> (1970-Current) (Atomic, Molecular, & Optical)	12	\$ 45.00
Physical Review B <i>Online Only</i> (1970-Current) (Condensed Matter: Structure, Phase Transitions, Nonordered Systems, Magnetism, Superconductivity, Superfluidity, Electronic Structure, Semiconductors, Surfaces, Low Dimensions)	48	\$ 45.00
Physical Review C <i>Online Only</i> (1970-Current) (Nuclear Physics)	12	\$ 45.00
Physical Review D <i>Online Only</i> (1970-Current) (Particles, Fields, Gravitation, and Cosmology)	24	\$ 45.00
Physical Review E <i>Online Only</i> (1970-Current) (Statistical, Nonlinear, and Soft Matter Physics)	12	\$ 45.00
Physical Review Online Archive (PROLA) (1893-2007)	N/A	\$ 120.00
Special Topics:		
Accelerators & Beams http://prst-ab.aps.org	12	open access
Physics Education Research http://prst-per.aps.org	12	open access
PR Focus http://focus.aps.org	N/A	open access

APS Article Packs APS Article Packs give APS members flexible online access to key research articles spanning all of Physical Review. Each article pack costs \$50 and may be used to download 20 articles from Physical Review Letters, Physical Review A-E, and the Physical Review Online Archive (PROLA). Members may buy one article pack per year. Article packs do not expire and remain active until the 20 articles have been downloaded. For more information or to purchase an article pack, please visit <http://publish.aps.org/article-packs>.

AIP PUBLICATIONS: January 1, 2011 - December 31, 2011

APS members may subscribe to up to three AIP journals, not including Computing in Science & Engineering, at AIP member society rates for their personal use. If you feel that your research interests are sufficiently broad to warrant your maintaining personal, member subscriptions to additional AIP journals, you may send an appeal with justification via a letter or e-mail to: Publisher, AIP Journals and Tech. Pub, Ste. 1NO1, 2 Huntington Quadrangle, Melville NY 11747-4502, jrnlpub@aip.org. Backfile options are now available on most of the AIP journals listed below. Subscription years are listed next to Online Only options and the first Backfile listed. When subscribing to any AIP archival journal, you may add \$30.00 (for Chaos, add \$20.00) to receive a year-end CD-ROM.

ONLINE ONLY SUBSCRIPTIONS	No. Issues	Price
Applied Physics Letters* <i>Online Only</i> (1999-Current) Online/Backfile (1962-Current)	52	\$ 148.00 \$ 213.00
Chaos* <i>Online Only</i> (1991-Current)	4	\$ 65.00
Journal of Applied Physics* <i>Online Only</i> (1999-Current) Online/Backfile (1931-Current)	24	\$ 201.00 \$ 266.00
Journal of Chemical Physics* <i>Online Only</i> (1999-Current) Online/Backfile (1933-Current)	48	\$ 221.00 \$ 286.00
Journal of Mathematical Physics* <i>Online Only</i> (1999-Current) Online/Backfile (1960-Current)	12	\$ 97.00 \$ 142.00
Journal of Physical & Chemical Ref. Data <i>Online Only</i> (1999-Current) Online/Backfile (1972-Current)	4	\$ 84.00 \$ 129.00
Low Temperature Physics <i>Online Only</i> (1997-Current)	12	\$ 221.00
Physics of Fluids* <i>Online Only</i> (1999-Current) Online/Backfile (1958-Current)	12	\$ 97.00 \$ 142.00
Physics of Plasmas* <i>Online Only</i> (1999-Current) Online/Backfile (1958-Current)	12	\$ 97.00 \$ 142.00
Review of Scientific Instruments* <i>Online Only</i> (1999-Current) Online/Backfile (1930-Current)	12	\$ 84.00 \$ 129.00

PRINT & ONLINE SUBSCRIPTIONS	No. Issues	Domestic ¹	Foreign ²	Airfreight ³
Computing in Science & Engineering[†] Students [†]	6	\$ 49.00 \$ 25.00	\$ 59.00 [#] \$ 35.00 [#]	N/A N/A
Medical Physics[†]	12	\$ 377.00	\$ 463.00	\$ 474.00

[†] Includes print and online

* When subscribing to any AIP archival journal, you may add \$30 (for Chaos, add \$20) to receive a year-end CD-ROM.

[#] CISE foreign delivery expedited

APS/AIP SUBSCRIPTION INFORMATION & TERMS

SHIPPING OPTIONS ¹ **Domestic Rates** apply to U.S. and possessions. ² **Foreign Surface** mail rates apply to Canada, Mexico, South America, to countries not served by airfreight and to subscribers not electing Optional Airfreight. Receipt time by foreign surface is typically 6–8 weeks. Some destinations may take up to 12 weeks. ³ **Airfreight Europe** (Africa inclusive) and **Airfreight Asia** (Near & Middle East, Australia, New Zealand inclusive) receipt time by airfreight is approximately 2–3 weeks faster than foreign surface mailing. **First Class Airmail** is available to all countries. Contact APS Membership Department for pricing. Receipt time by 1st Class Airmail is approximately 2–3 weeks faster than airfreight shipping.

SUBSCRIPTION TERMS New membership and subscription requests begin the 1st of the month following receipt of application/payment and continue for 12 months. Current members who order new journal print subscriptions will be charged a prorated amount and begin receiving issues from the time of payment. Reinstated print subscriptions will not be back dated. CD ROMS are available for access to archived journal issues, with a paid subscription to the specific title.

CONDITIONS Each member of the APS may subscribe to no more than three APS journals at member rates, excluding PR Index and PROLA, for their personal use. Online access to APS journals at member rates, during the licensed year, has a cap of 300 downloads for a single journal and 450 downloads for PROLA. Access will be terminated if these limits are exceeded.

APS members may subscribe to no more than three AIP journals, not including *Computing in Science & Engineering*, at AIP member society rates for their personal use. If you feel that your research interests are sufficiently broad to warrant your maintaining personal, member subscriptions to additional AIP journals, you may send an appeal with justification via letter or e-mail: Publisher, AIP Journals and Tech. Pub, Suite 1NO1, 2 Huntington Quadrangle, Melville NY 11747-4502, jrnlpub@aip.org.

MISSING ISSUES One replacement issue per subscription year may be claimed through the APS Membership Department. Missing issue claims should be received within six months of the issue date. Claims received after this time limit, or duplicate requests, will be forwarded to AIP Circulation & Fulfillment to purchase the issue at the single issue rate.

AAPT PUBLICATIONS

The *American Journal of Physics* (AJP) and the *Physics Teacher* (TPT) are available through membership in AAPT. APS members who have not previously been members of AAPT are eligible for an initial year's membership at half price. For AAPT information, go to www.aapt.org or contact the AAPT Membership Department at 301-209-3333, aapt-memb@aapt.org, or AAPT, One Physics Ellipse, College Park, MD 20740.

APS now offers a free online publication called *Physics*. Each week, *Physics* highlights a few important papers from the family of *Physical Review Journals*, with commentaries written by prominent physicists and designed to be understood by nonspecialists. *Physics* also features overviews of fields of strong current interest. *Physics* strives to bring new developments in all areas of physics to all physicists, including students.

Physics spotlights exceptional research and assists readers in identifying and understanding important papers. This free online publication offers expert-written commentary articles that highlight and provide context for a select group of papers published by APS.

- Viewpoints explain and discuss a particular paper's findings in a manner accessible to all physicists
- Trends cover a recent body of work in a specific field, but will also look ahead to the challenges and questions that fascinate that field's top researchers
- Synopses summarize significant papers that merit wider attention among physicists in all fields

VIRTUAL JOURNALS

www.virtualjournals.org/vjs/notification.jsp

Virtual Journal of Nanoscale Science & Technology

Virtual Journal of Biological Physics Research

Virtual Journal of Quantum Information

Virtual Journal of Applications of Superconductivity

Virtual Journal of Ultrafast Science

Virtual Journal of Atomic Quantum Fluids

Virtual Journals are online publications that collect relevant papers from a broad range of physical science journals. The present series of six Virtual Journals offers researchers quick, convenient access to the latest developments. Articles that appear in the Virtual Journals are selected from the latest issues of over 90 participating source journals. The journals of the American Physical Society, American Institute of Physics, and 19 other publishers — including *Science* and *Nature* — are currently contributing source material to the APS- and AIP-sponsored program.

Subscribers to the source journal will be able to seamlessly access the full-text articles, while non-subscribers will have the option to purchase articles for immediate online delivery. Readers also have the ability to search across all issues of the Virtual Journals. Virtual Journal abstracts are available at no charge.

VOLUNTARY CONTRIBUTIONS

VOLUNTARY CONTRIBUTIONS TO APS PROGRAMS

Your APS membership dues* cover the cost of member benefits, services and publications such as *Physics Today*, *APS News* and the Online APS Directory. APS research publications and meetings are budgeted to pay for themselves through subscriptions and registration fees. An annual voluntary contribution to the APS helps to support the Society's important education and outreach programs, which have been instituted in direct response to member surveys and committee recommendations. As these outreach efforts grow, they must increasingly rely on donations, grants and special gifts. APS programs are broadly classified in the following areas: Education & Diversity, International Affairs, Public Affairs, and Public Outreach.

By making a voluntary contribution you are investing in the continuation and expansion of these programs, which help to improve science education, shape national science policy, foster public understanding of science, and promote international collaboration. In addition, your voluntary contributions are deductible as charitable contributions for federal tax purposes.

Dues and subscriptions paid to APS are not considered charitable contributions for federal tax purposes. However, they may be deducted as ordinary and necessary business expenses. Members should consult their tax advisors for further guidance. Please note that the portion of your total dues payment representing a charitable gift is tax deductible.

HOW CAN I CONTRIBUTE? You can provide a tax-deductible contribution to APS by checking off a contribution level on your paper invoice or on-line renewal form. If desired, you may designate your gift to Education & Diversity, International Affairs Public Outreach, or Public Affairs. Separate from making a gift at renewal time, you may also donate online anytime at the website: <http://www.aps.org/>. Look for the "Support APS" box and click on 'APS Member' underneath the contribution online section.

RECOGNITION The generosity of APS members is greatly appreciated. All contributors will receive recognition for their gift. With their permission, those donors who give \$100 or more will receive special recognition by having their name listed in the APS annual report. For tax purposes, and in compliance with the IRS regulations, letters of confirmation are sent to donors giving \$250 or more.

PLANNED GIVING OPPORTUNITIES The American Physical Society encourages you to remember the Society in your charitable estate plans. As a 501(c)(3) not-for-profit organization, bequests and other types of planned gifts to the Society offer substantial tax benefits to the donor and will help assure the continuity of valuable programs. The APS recently created a Bequest Society to recognize individuals remembering the Society in their will.

MORE INFORMATION For information about APS contribution supported programs or ways to give, contact Darlene Logan, Director of Development at (301) 209-3224, logan@aps.org.

VOLUNTARY CONTRIBUTIONS

EDUCATION & DIVERSITY PROGRAMS

www.aps.org/programs/

Improve science education and physics opportunities for all

PHYSTEC (the Physics Teacher Education Coalition) is a joint APS/AAPT program to improve and promote the education of future physics and physical science teachers. PhysTEC funds a limited number of institutions to develop model programs, and has built larger coalitions dedicated to improving physics teacher preparation.

MINORITY BRIDGE PROGRAM is an effort by APS to increase the number of physics PhDs granted to underrepresented minorities. The program establishes a set of bridge programs to facilitate the transition to graduate school. The project works with minority-serving institutions and doctoral-granting institutions to provide students with mentorship, research experience, and needed coursework. Our goal is to increase minority PhDs and improve graduate education for all students.

HIGH SCHOOL TEACHERS' DAYS offer professional development for high school teachers through research talks, hands-on workshops, and the opportunity to interact with leading physicists. The events are held in conjunction with APS meetings.

THE MINORITY SCHOLARSHIP PROGRAM focuses on increasing the number of historically under-represented minorities, notably African Americans, Hispanic, and Native Americans, pursuing degrees and careers in physics. The program includes undergraduate scholarships and mentoring for minority students.

THE COLLOQUIUM SPEAKERS LIST/TRAVEL GRANTS FOR WOMEN AND MINORITIES are offered to encourage more visibility for women and minority physicists who volunteer to act as role models. Programs include an online colloquium speakers list, and a travel grant program which provides funding to support campus visits by women and minority speakers.

STUDENT TRAVEL GRANTS provide physics students with an opportunity to attend APS meetings and gain a sense of the physics community as they are beginning to pursue their scientific careers. Through this program's grants, students who would ordinarily not be able to handle the financial burden of travel, lodging and registration to experience APS meetings are able to do so.

CAREER GUIDANCE PROGRAMS monitor the changing nature of careers and the employment market for physicists and physics students at all levels. Activities include an excellent web-based job listing, and career mentoring and recruiting events at APS annual meetings.

VOLUNTARY CONTRIBUTIONS

INTERNATIONAL AFFAIRS

www.aps.org/programs/international/

Foster international communication and collaboration between physicists

INTERNATIONAL TRAVEL GRANTS & LECTURESHIPS provide travel funds to support physicists located outside of the U.S. who are invited by APS units to speak at the annual March and April APS meetings. Additional programs fund collaborations between physicists in developed and developing countries.

INTERNATIONAL STUDENT & PROFESSORSHIP EXCHANGES with certain key countries such as India and Brazil (and hopefully more to come). Through the Physics Student Visitation Program, sponsored by the Indo-U.S. Science and Technology Forum (IUSSTF), and administered by APS, U.S. and Indian graduate students may apply for travel funds to attend a short-course or summer institute, to work temporarily in a laboratory, or for another opportunity that the student and the host professor believes is worthy of support. The Professorship Awards in Physics funds physicists in India or the United States wishing to visit overseas to teach short courses or provide a physics lecture series delivered at a U.S. or Indian university. A similar program is in development that will enable student and professorship exchanges between the United States and Brazil.

“INTERNATIONAL FRIENDS” ACTIVITY GRANTS The existing “Friends of APS” program has now expanded beyond the United States, to establish a volunteer network of “International Friends” in major cities world-wide. The “International Friends” volunteers may apply for modest amounts of funds to host APS activities in their local community. This will allow APS members living outside of the U.S. to attend APS events without traveling to the United States.

JOURNAL ACCESS FOR DEVELOPING COUNTRIES offers free on-line access to its journals for institutions located in Sub-Saharan Africa and Bangladesh. Not-for-profit institutions located in eligible countries can register to gain online access to APS journals. Scientists in certain countries can also receive APS journal articles via email through the Electronic Journals Delivery Service (eJDS), which is administered by the Abdus Salam International Centre for Theoretical Physics. In addition, APS participates in the Iraqi Virtual Science Library, which provides free access to scientific journals to institutions in Iraq.

MATCHING MEMBERSHIP PROGRAM makes APS membership available to physicists living in developing and hard-currency-poor countries. Individuals residing in eligible countries—especially those who are members of their national physical societies—may apply for a reduced-cost membership.

VOLUNTARY CONTRIBUTIONS

PUBLIC AFFAIRS ACTIVITIES

www.aps.org/public_affairs/

Shape national science policy and foster science communication

PUBLIC POLICY programs are under the auspices of the APS Panel on Public Affairs (POPA) and the Physics Policy Committee (PPC). APS is known nationally and in Washington, D.C. for its public affairs activities, particularly its success in having its policy recommendations incorporated into legislation or adopted by Executive Branch officials. Public policy efforts focus on support for science research and education, energy security, national security, nuclear non-proliferation and innovation and competitiveness. Recent APS and POPA studies have provided policymakers with assessments and recommendations in the areas of energy efficiency, integrating renewable energy sources on the electricity grid, critical elements, nuclear downsizing, nuclear forensics and the nuclear workforce.

STRATEGIC COMMUNICATIONS ACTIVITIES promote physics, APS policy positions and “Statements” to the media, the public and government officials through news conferences, news releases, op-eds and events on Capitol Hill. APS produces “Capitol Hill Quarterly” four times a year to publicize its issues to members of Congress. To assist APS members with public communication, APS runs an op-ed writing workshop at the March Meeting.

THE CONGRESSIONAL SCIENCE FELLOWSHIP PROGRAM selects and supports physicists who spend a year on Capitol Hill working with a legislator or standing committee.

THE GRASSROOTS PROGRAM is designed to help APS advocate its positions in the political arena. The APS Washington Office organizes Congressional Visitors Days several times a year and coordinates membership advocacy through the District Advocates Network and periodic e-mail alerts.

PUBLIC OUTREACH

www.physicscentral.com

Engaging people of all ages in the wonders of physics

PHYSICSQUEST aims to get middle-school students intrigued and excited about science by using physics experiments to help solve a mystery. Kits containing the material for the experiments and the narrative for the puzzle are distributed to tens of thousands of middle-school classrooms, and those who solve the mystery are eligible to win prizes. For the past two years, the story has featured our laser superhero, Spectra!

THE PHYSICS CENTRAL WEBSITE, www.PhysicsCentral.com, is designed to bring the importance of physics to all. It contains a variety of information including at-home physics experiments, podcasts and vodcasts and the popular “Physics Buzz” blog, which received over 100,000 hits last month alone. It also has in-depth stories featuring current research, profiles of physicists, beautiful physics pictures, contests and physics-related links.

RECIPROCAL SOCIETIES

APS members may take advantage of these benefits from the societies listed below:

- Submit papers to reciprocal society meetings with the same privileges as the reciprocal society members.
- Register at reciprocal society meetings at member rates.

REGIONAL SOCIETIES

European Physical Society

Federation of Latin American Physical Societies

Society of African Physicists & Mathematicians

NATIONAL SOCIETIES

Argentine Physics Association

Australian Institute of Physics

Belarusian Physical Society

Belgian Physical Society

Brazilian Physical Society

Canadian Association of Physicists

Chinese Physical Society (Beijing)

Sociedad Chilena de Fisica

Physical Society of the Republic of China
(Taipei)

Colombian Physical Society

Cuban Physical Society

Estonian Physical Society

German Physical Society

Physical Society of Hong Kong

Roland Eötvös Physical Society (Hungary)

Icelandic Physical Society

Indian Physics Association

Israel Physical Society

Physical Society of Japan

Japan Society of Applied Physics

Korean Physical Society

Lithuanian Physical Society

Mexican Physical Society

Mongolian Physical Society

Nepal Physical Society

New Zealand Institute of Physics

Pakistan Physical Society

Polish Physical Society

Slovak Physical Society

South African Institute of Physics

Royal Spanish Society of Physics

Swedish Physical Society

Swiss Physical Society

Ukrainian Physical Society

Institute of Physics (United Kingdom;
publications N/A)

Uruguayan Physical Society

Venezuelan Physical Society

Vietnamese Physical Society

APS UNITS

As part of a Society committed to member participation, APS Units provide opportunities for members to interact with colleagues with similar interests and to keep abreast of new developments in their specialized fields.

DIVISIONS

(\$8 EACH)

Astrophysics

Atomic, Molecular & Optical Physics

Biological Physics

Chemical Physics

Computational Physics

Condensed Matter Physics

Fluid Dynamics

Laser Science

Materials Physics

Nuclear Physics

Physics of Beams

Physics of Particles & Fields

Plasma Physics

Polymer Physics

TOPICAL GROUPS

(\$8 EACH)

Energy Research & Applications

Few-Body Systems &
Multiparticle Dynamics

Gravitation

Hadronic Physics

Instrument & Measurement Science

Magnetism & its Applications

Plasma Astrophysics

Precision Measurement &
Fundamental Constants

Quantum Information, Concepts,
& Computation

Shock Compression of
Condensed Matter

Statistical & Non-Linear Physics

FORUMS

(FIRST 2 FREE, EACH ADDITIONAL, \$8)

Forums are cross-specialty units of the Society concerned with the relation of physics to various societal and intellectual subjects. Members present their ideas on these subjects through newsletters and symposia at meetings.

Education

International Physics

Graduate Student Affairs

Physics & Society

History of Physics

Industrial & Applied Physics

SECTIONS

(FREE OF CHARGE)

The Society has nine geographical sections which afford physicists the opportunity to attend broad-based, regional meetings. Members may join any of the sections.

California–Nevada

Northwest

Four Corners (Southwest)

Ohio Region

New England

Prairie

Southeastern

New York State

Texas