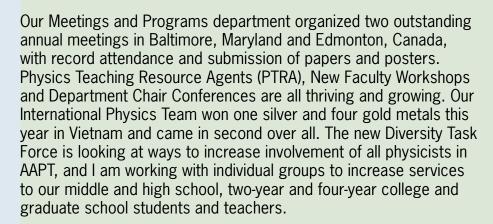


From our President

This has been an exciting year of change for AAPT. I had the pleasure of working with three different Executive Officers—Toufic Hakim, Charlie Holbrow, and Warren Hein— each of whom brought new and creative ideas to AAPT. Many other new faces have appeared at AAPT: committee members and section representatives, a Chief Financial Officer and auditing firm, staff and Executive Board members, and of course, many new AAPT members. I welcome all of you and hope that each of you will soon find your special place of service at AAPT.

The Governance Review Committee and the Committee on Governance Structure have been working hard to update all policy handbooks and guides and streamline our governance structure. AAPT has been increasing visibility to the public through an improved website, special activities for National Teacher Day, judging at the International Science and Engineering Fair, joint efforts with sister societies, providing workshops with special groups before and after our annual meetings, and gaining corporate sponsorship for AAPT special events. Our fundraising staff is seeking new and productive ways to provide opportunities for individuals and foundations to make donations to AAPT.



AAPT is alive and well, growing and planning for the future. I look forward to working with AAPT members and AAPT staff to ensure the mission of AAPT, the dissemination of physics knowledge by way of teaching thrives.



Executive Officer Statement



I am pleased to return to AAPT as of September 1, 2008 as your Executive Officer. I want to thank Charlie and Mary Holbrow for their service to AAPT for the past six months. On behalf of the AAPT membership and the Executive Board, I thank Charlie and Mary for making my transition to the position of Executive Officer smooth.

I served AAPT as Associate Executive Officer from February 1997 through August 2007, when I went to NSF as a Program Officer in the Division of Undergraduate Education where I developed a deeper appreciation for the role NSF and other agencies play in supporting our physics education work.

As a membership-based organization, AAPT depends on member volunteers to serve the organization by sitting on one of our current 18 Area Committees or on a number of other Board committees, by providing leadership and outreach for the organization through AAPT's current 47 sections members, and by providing input, both formal and informal, to the Executive Board and Executive Office. In addition, and maybe more importantly, hundreds, and maybe even thousands of volunteers have served their colleagues by providing workshops at AAPT national and section meetings and many other activities too numerous to mention. AAPT's premier journal, *American Journal of Physics*, and our highly successful journal, *The Physics Teacher*, rely on the volunteer efforts of many editorial committees and peer reviewers.

I am proud to be an AAPT member. I believe anyone who is a physics educator should be an AAPT member and should support the organization in achieving its goal of "enhancing the understanding and appreciation of physics through teaching."

Finally, I thank you, the AAPT membership and my colleagues, for the opportunity to serve you as AAPT Executive Officer. If you have concerns or issues you would like to bring to my attention, or if you have suggestions for ways that AAPT can provide more and better service to physics educators, I encourage you to send those to me at whein@aapt.org.

I am looking forward to a great year!

Wanen Hein

executive

Former Executive Officer Statement

AAPT's programs and activities continue to be vigorous during a time of change. No longer a small, informal organization, AAPT is expanding its responsibilities. It is evolving to serve its members better and to meet pressing new government demands for accountability.

Over the past year, first Toufic Hakim and then I worked hard to help AAPT deal with these changes. Warren Hein now continues that effort with the advantage of his long familiarity with AAPT and its environment.

AAPT has drawn on its reserves to provide flexibility for dealing with the changes. These expenditures, plus a significant stock market decline, have lowered the value of long-term reserves to \$4.75 million. Discontinuing *Interactions* and redirecting resources to an online e-newsletter have improved the bottom line for the current budget. For 2009, the Executive Board directs that AAPT's budget be balanced without spending endowment income, so that long term reserves can begin to return to their former level.

This belt-tightening is essential, but it limits our ability to fund the new initiatives that are essential to our long-term vitality. To generate income for these we will put new emphasis on increasing Annual Giving and expanding our membership.

During my six months as Executive Officer I saw close up how important to AAPT are careful accounting, lively communications, accurate and complete record-keeping, foresighted negotiation of arrangements for meetings and programs, and all the other work of AAPT's professional staff. But I also saw that the foundation of AAPT's achievements are the enthusiasm, expertise, and dedicated work of AAPT teachers, area committee members, section leaders, scholars, program innovators, and other volunteers. Their skill and their commitment to physics education make AAPT flourish.





Publications

Having a strong publications program enables AAPT members to access the latest physics research and the teaching methods written by their colleagues. AAPT is fortunate to publish two highly regarded publications.

American Journal of Physics

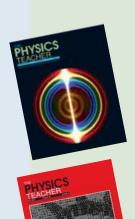
The American Journal of Physics (AJP) successfully transitioned to a number of new editors in 2008. Jan Tobochnik returned as Editor on July 1,2008 after taking a one year leave as Interim Provost at Kalamazoo College. During Tobochnik's absence, John Mallinckrodt served as acting editor. He customized the editorial management software, Editorial Express. Mallinckrodt will continue as a consulting editor for AJP. In the spring of 2008, Hans C. von Baeyer of The College of William and Mary, replaced Dan Schroeder as the Book Review Editor. In 2007, Frank Wolfs of Rochester University took over as the Editor of the Apparatus and Demonstration Notes section, and that section now uses Editorial Express. Karen Cummings stepped down at the end of the summer of 2008 as Editor of the Physics Education Research Section (PERS). Tobochnik will receive new submissions until Charles Henderson of Western Michigan University takes over as PERS Editor on January 1, 2009.

The rate of submission to AJP is stable at approximately 800 submissions per year. The publication rate is about 25%. In the near future we will be upgrading the online AJP web site hosted by AlP's Scitation®, so that many new online tools will be available to subscribers.

The Physics Teacher

Now in its eighth year under the editorship of Karl Mamola, *The Physics Teacher (TPT)* is reaching ever greater numbers of readers. Our total subscribers are increasing, as are the number of downloaded articles and online users. With each issue, we strive to continue supporting, inspiring, and challenging our target audience — high school and college teachers of introductory physics — as well as our many other readers. We have recently expanded our efforts to publish more articles dealing with topics in contemporary physics. Several are in various stages of preparation and should begin appearing in our pages during the coming year. Also look for a new column on student misconceptions that will be introduced in late 2008.





Spanning academia, research and industry, comprised of educators, Nobel Prize winners and students alike, our members bring a wealth of experience and individual recognition. Most importantly, all share the same dedication to physics and the physics education community.

The Association continues its efforts to enhance the membership experience through improvements in our benefits and services. Individual dues have been redesigned to meet the professional and academic needs of all members. A new and dynamic membership page provides real time updates to member records and immediate processing of applications and renewals. An ongoing outreach effort has proven highly successful in the recruitment and retention of new members from a diverse and ever growing constituency.

The future demands that we continue to listen and respond to what our members say. Our successful growth over the last 75 years bears witness to this. Above all, it is our pledge and promise in the years ahead.

the core of AAPT's success is the
10,000 members worldwide
who share a common
passion and purpose



Major Events

Conferences

New Faculty Conference June 26-29 at ACP, organized with AAS and APS 85 attendees

Department Chairs Conference

June 6-8 at ACP, organized jointly with APS 117 attendees

Annual Meetings

Alexander K. Dickison, Program Committee Chair

Winter Meeting: Jan 19–23, 2008 Baltimore, Maryland

Plenaries

Paul Hewitt Mario Livio

APS: Large Hadron Collider

Honors

Oersted Medal: Mildred Dresselhaus Richtmyer Memorial Award: Vera C. Rubin Phillips Medal: Judy Franz Distinguished Service Citations AAPT Presidential Citations: Towson University; University of Maryland

Highlights

Symposium on Physics Education High School Teachers Recognition Day Screening: "Absolute Zero and the Conquest of Cold"

Statistics

1229 attendees; 37 exhibitors 74 sessions; 28 workshops; 6 tutorials; 66 posters

Summer Meeting: July 19–23, 2008 Edmonton, Alberta, Canada

Plenaries

Damian Pope Robert Wolkow

"Physics at University of Alberta": Mark Freeman, Roger Moore, Aksel Hallin

Honors

Klopsteg Award: Michio Kaku
Millikan Medal: Eric Mazur
Excellence in Pre-College Teaching:
Mark Davids and Coringe Manague

Mark Davids and Corinne Manogue
Distinguished Service Citations

Highlights

University of Alberta/Physics Department Centenary Demonstration Show: Stanley Micklavzina

Apparatus Competition, sponsored by PASCO Winners: Joseph Amato, Roger Williams, A. Tomasch and A. Chang, Wayne Peterson

High School Photo Contest, sponsored by Vernier Winners: Contrived: Shilpa Hampole, Charles Grimmett, Carly Sobecki Natural: Alexis Blanch, Casey Brown, Mrinalini Modak

Statistics

931 attendees; 24 exhibitors 56 sessions; 38 workshops 1 tutorial; 127 posters The United States Physics Team Program is a physics community initiative organized by AAPT and funded by member societies of the American Institute of Physics and other generous donors. This program encourages excellence in physics education while rewarding outstanding physics students. High school students compete each year to represent the United States at the International Physics Olympiad Competition providing once-in-a-lifetime opportunities for students to enhance their physics knowledge as well as their creativity, leadership and commitment to a goal.

Physics Olympiad

IPhO Traveling Team 39th International Competition, Hanoi, Vietnam

Medalists (Front row, left to right)

Silver: Rui Hu, Gold: Edward Gan, Tucker Chan, Joshua Oreman, Danny Zhu

U.S. Team Members

Andrew Lucas (alternate); Kiranmayi Bhattaram, Sway Chen, Joseph Chu, Alesia Dechkovskaia, Yishun Dong, David Field, Gabriel Karpman, Brian Kong, Kevin Lang, Dan Li, Marianna Mao, Yoon Nam, Anand Natarajan, Thomas Schultz, Jack Wang, James Yang, Alex Zhai, Alex Zorn

Coaching Staff

Co-Academic Directors: Robert Shurtz, Paul Stanley

Coaches: David Fallest, David Jones, Andrew Lin, Junior Coach: Elena Yudovina

Lab Coaches: Warren Turner, Safa Motesharrei



AAPT Distinguished Service Citations Winter Meeting

Dewey Dykstra, Andrew Graham, Thomas Senior, Chuck Stone, Jonathan Reichert/Barbara Wolff-Reichert, Mike Wolter

Summer Meeting

Dean Baird, Anne Cox, Harry Manos, Karen Jo Matsler, Steve Shropshire, Richard Zitto

Outstanding Teaching Assistant Awards: 120

Outstanding Student Awards: 233

Scholarships and Grants

Bauder Endowment Fund
Dodge Fund
Fuller Fund
High School Physics Teacher Grant
Lotze Scholarship Fund
New Teacher Fund
Student Fund

Programs and Partnerships

Student Competitions

International Science and Engineering Fair (ISEF) Team American Rocketry Challenge (TARC)

AAPT/PTRA: Physics Teaching Resource Agents

Presenters for 10 Math Science Partnership workshops

Leadership Institute and workshops, Edmonton, July

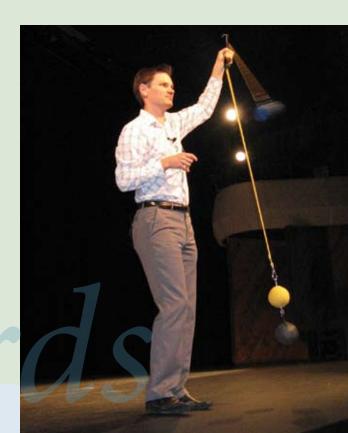
Rural PTRA, 7 Summer Institutes

PhysTEC: Physics Teacher Education Coalition partners

Currently funded sites: 6 Legacy sites: 6

Events

Task Force, May 10–11, Chicago Workshop with PTRA, July 18, Edmonton Summer Meeting programs, July 19–23 Annual Conference, February 29– March 1, Austin



Invest in Physics Education

Excellence in AAPT programs and initiatives that is moving the Association to the next level of leadership and distinction cannot be supported nor sustained without constant, external funding from individuals, private foundations and corporations. Hundreds of members and friends of AAPT have invested in programs, scholarships, and initiatives designed to support physics education.

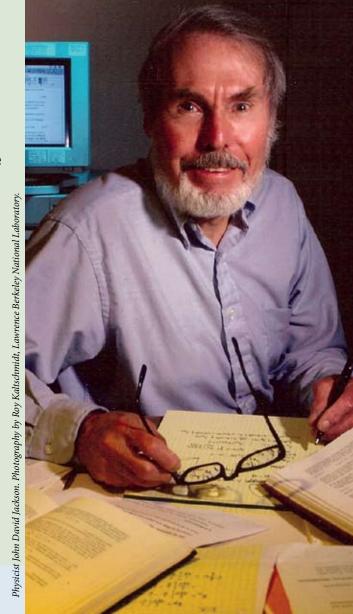
In 2007, the John David Jackson Excellence in Graduate Education Award was established to recognize outstanding achievements by a physics educator who has had serious impact on the field of graduate education, in terms of curricular development and/or classroom teaching. It is named in honor of John David Jackson, the author of a landmark graduate textbook on classical electrodynamics (electromagnetic theory). In just eight months this deservingly popular fund has raised over \$20,000. For online donations, please visit www.aapt.org/donations.

AAPT extends its appreciation to the following corporate sponsors, who continue

to provide much needed support to our mission. We give a special thank you to Frey Scientific, John Wiley & Sons, Inc., Mathematica Inc., McGraw-Hill, Inc., PASCO Scientific, Pearson Higher Education, Texas Instruments, Inc., and Vernier Software & Technology.

Other positive news includes a revision of our giving website, which is now more user-friendly.

Special Thanks to Our Donors http://www.aapt.org/donations



Volunteer Highlights

Teaching → Understanding + Appreciation (Physics)

Here's another way of expressing AAPT's mission: to encourage understanding and appreciation of physics through teaching. The statement may look unfamiliar in algebraic form, but its meaning is clear — good physics teaching is crucial.

Local, Regional and State Sections AAPT Executive Board

Advisory Committees

Meetings Programs

Publications

Nominations

Governance

Membership and Benefits

Budget, Investments, Finance

Awards, Grants, Scholarships

SI Units and Metric Education

Outreach

Student Programs and Competitions Interest of Senior Physicists Minorities in Physics Women in Physics

Education

Pre-High and High School

Two-Year College

Undergraduate and Graduate Education

International Education

Research in Physics Education

Teacher Preparation

Science Education for the Public

Educational Technologies

Apparatus

Laboratories, Advanced Laboratories

Space Science and Astronomy

Special Interest

History and Philosophy of Physics Professional Concerns

AAPT volunteers have been improving *physics teaching* for more than 75 *years*, playing the *key roles* in these areas within the organization

volunteers

AAPT Sections

Forty-seven sections increase the impact of AAPT at the regional level.

AAPT currently has 47 sections spread from Alaska and Canada to Puerto Rico. AAPT's Sections vary in population from less than 50 to more than 500 members. Some sections follow geopolitical boundaries, serving a province, a state or a territory. Others may serve part of a state or areas as large as six combined states. The number of sections may increase as we have several groups, including two from outside our current US/Canada boundaries, investigating formation of sections.

The July and August 2008 edition of AAPT Section News gives a great review of section activities. Check out aapt.org/sections/index.cfm to learn more. You will notice AAPT's Section Meetings featured high quality workshops and invited and contributed talks on current developments in physics and physics education research. Some meetings also included exhibits, show and tell sessions, and make and takes.

Representatives elected by section members convened at the semi-annual national meetings. Their recent discussions have revisited topics from the May 2007 retreat including what it means to be a section, how sections can best provide services to physics teachers, and the relationship between AAPT, AAPT Sections and AAPT Affiliate Organizations.

We hope that all AAPT members will become active in their local sections. Sections provide an outstanding opportunity to interact and network with other local physics educators. Acting together we can be much stronger and have a bigger impact on physics education.



THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS, INC. STATEMENT OF ACTIVITIES

Year Ended December 31, 2007 (With Comparative Totals for 2006)

(unaudited)

	Unrestricted					
		Board	Temporarily	Permanently	2007	2006
	Undesignated	Designated	Restricted	Restricted	<u>Total</u>	<u>Total</u>
Support and revenue						
American Journal of Physics	\$ 1,186,127	\$ -	\$ -	\$ -	\$ 1,186,127	\$ 1,205,141
The Physics Teacher	773,092	-	-	-	773,092	769,783
Investment income	337,880	15,452	10,454	-	363,786	990,992
Other publications	312,663	-	-	-	312,663	326,684
Meetings, workshops and projects	774,965	-	=	-	774,965	444,552
Membership	631,514	-	-	-	631,514	619,221
Federal grants	1,475,830	-	=	-	1,475,830	1,779,146
Contributions	66,061	8,440	11,983	208,955	295,439	55,528
International Physics Olympiad	120,432	-	-	-	120,432	94,240
Share in earnings of investment						
in ACP, Inc.	143,096	-	-	-	143,096	67,348
Miscellaneous income	1,647	-	-	-	1,647	1,927
Releases from restrictions	43,000	(3,905)	(39,095)			
Total support and revenue	5,866,307	19,987	(16,658)	208,955	6,078,591	6,354,563
Expenses						
American Journal of Physics	843,619	-	-	-	843,619	730,509
The Physics Teacher	527,694	-	-	-	527,694	712,743
Other publications	1,059,704	-	-	-	1,059,704	607,734
Meetings, workshops and projects	1,779,131	-	=	-	1,779,131	1,267,712
Membership	552,663	-	-	-	552,663	518,826
Federal grants	1,522,862	-	-	-	1,522,862	1,839,419
General and administrative	920,702	-	=	-	920,702	614,726
Fundraising						2,249
Total expenses	7,206,375				7,206,375	6,293,922
Increase (decrease) in net assets						
before effect of adoption of FASB						
Statement No. 158	(1,340,068)	19,987	(16,658)	208,955	(1,127,784)	60,641
Effect of adoption of recognition and measurement date provisions of						
FASB Statement No. 158	(63,947)		-		(63,947)	
(Decrease) increase in net assets	(1,404,015)	19,987	(16,658)	208,955	(1,191,731)	60,641
Net assets, beginning of year	4,796,841	211,628	70,719	222,730	5,301,918	5,241,277
Net assets, end of year	\$ 3,392,826	\$ 231,615	\$ 54,061	\$ 431,685	\$ 4,110,187	\$ 5,301,918



Executive Board

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American Journal

Ex-Officio Member Editor *The Physics Teacher*

Karl C. Mamola Appalachian State University Boone, NC

Ex-Officio Member Executive Officer

Warren W. Hein



