

**Accelerator Section
2007 Annual Report**

**Prepared by L. Scott Walker
Accelerator Section President**

Abstract: This report summarizes the activities of the HPS Accelerator Section from January 10th, 2007 through June 17th, 2007.

Report to HPS Board of Directors

1. The executive board of the Accelerator Session is planning the Special Accelerator Session, scheduled to be held during the annual 2007 HPS meeting in Portland, OR. We have informed Chris Martel of our intention to support a special session. It has been proposed and accepted to have a Morgan Lecturer (45 minutes) followed by ten contributed papers.

Issues for the HPS Board of Directors

1. The HPS Board of Directors should consider a policy for providing a limited number of scholarships for foreign nationals based upon the quality of submitted abstracts, eligibility for travel and the cost ultimate cost of the travel.
2. The section would like to ask the HPS Board of directors to consider a policy toward paying the cost of tuition for retired meeting speakers.

**Accelerator Section
Health Physics Society
Statement of Income & Expenses and Account Balance
For the Period Ending July 30, 2006**

We have also voted to pay for Ralph Thomas's trip to the annual meeting so he can deliver Tony Sullivan's Morgan Lecture (those expenses are not yet displayed in the budget summary).

**ACCELERATOR
HEALTH PHYSICS SOCIETY
STATEMENT OF INCOME & EXPENSES AND ACCOUNT BALANCE
FOR THE 8 MONTH PERIOD ENDING APRIL 30, 2007**

ACCOUNT BALANCE 8/31/06	7,640.32
INCOME RECEIVED	
Dues from HPS Members	635.00
Contributions	0.00
Interest Income	0.00
TOTAL INCOME COLLECTED	635.00
EXPENSES PAID	
Reimburse Walker	64.40
Collection & Management Fee	63.50
TOTAL EXPENSES PAID	127.90
NET INCREASE FOR YEAR	507.10
ACCOUNT BALANCE 4/30/07	8,147.42

SECTION INFORMATION

The Accelerator Section of the Health Physics Society held its annual business meeting during the 2006, 51st Annual Meeting of the Society in Providence, Rhode Island. At this meeting, newly elected officers were announced, and immediately assumed their respective positions. The officers of the Section for 2006-07 are:

OFFICERS

President	Scott Walker, Los Alamos National Laboratory
President-Elect	Kamran Vaziri, Fermi National Accelerator Lab
Past President	Lorraine Marceau-Day, Louisiana State University
Secretary	Ed Lessard, Brookhaven National Lab
Treasurer	Marcia Torres, Argonne National Lab
Newsletter Editor	Linnea Wahl, Lawrence Berkeley National Lab
Directors	

Erik Abkemeier (2009), Thomas Jefferson National Accelerator Facility

Richard Brey (2009), Idaho State University

Don Gregory (2009), Oak Ridge National Lab

Michael Sandvig (2008) Idaho National Laboratory

Douglas Wells (2007), Idaho State University

Gary Zeman (2007), Lawrence Berkeley National Lab

Robert C. Whitcomb Jr.,(2007) Director Liaison to the Accelerator Section

SECTION ACTIVITIES

This has been an extremely active year for the accelerator section (see that semi-annual presidents report). Many activities have been processed in parallel. Linnea Wahl and Scott Walker initiated re-formatting the accelerator section logo. An individual working for Linnea Wahl has developed an excellent first draft of the new logo with exceptional results. The final version will be available for a vote at the annual HPS accelerator section meeting in Portland, OR. Lorraine Day has put together a list of candidates for the 2007 accelerator section's board of directors and the section officers. The ballot will be emailed to the accelerator section membership for a vote (as per our bi-laws) within at least three weeks of the annual meeting.

ANNUAL MEETING ACTIVITIES

Kamran Vaziri has spent a great deal of time analyzing a list of possible speakers for the Morgan Lecturer. The final analysis pointed to Tony Sullivan who recently retired from CERN. Tony has written a book entitled: "A Guide to Radiation and Radioactivity Levels Near High Energy Particle Accelerators." Tony Sullivan was selected as the section Morgan Lecturer and, through not able to attend the meeting due to his physical

health, will provide a paper to Ralph Thomas who has agreed to present the material in his behalf.

Scott Walker has arranged to have a “Midyear Planning” room set aside during the entire annual meeting. We will meet the first time on Sunday just before the reception and hear progress from each of the various committees involved in preplanning the meeting agenda, tours, advertising, technical content, sessions, PEP classes, etc. We will then have various sessions to brainstorm means of enhancing the meeting and further organize the activities the Accelerator Section and the California Chapter we are preparing.

Kamran Vaziri has put together the agenda for Accelerator Session at the Annual meeting. The session is a half day session (as is typical) and will close with the accelerator section annual business meeting.

2008 MIDYEAR MEETING PREPLANNING

The poster for the Midyear meeting was printed as planned and sent to the Midyear meeting at Knoxville for distribution at the 2008 Midyear booth. The printer made a mistake and printed the first 1000 on the wrong paper. Since it was their error, they agreed to print an additional 1000 posters. Thus, in the end, 3000 posters were printed. At the midyear meeting in Knoxville, the HPS board agreed to pay for the cost of the poster and mailing. For this action, we are especially thankful. The HPS board and Secretariat have been very supportive throughout the advertising and preplanning effort.

A list of addresses were prepared for university hospitals world wide, homeland security institutions, accelerators facilities around the world, and industrial accelerator users across the country. Two posters each were sent to approximately 600 different addresses. The fruit of the effort has just begun to become apparent in that we have received inquiries about the meeting from Nigeria and India.

Scott Walker (Technical Committee Chair) has kept the technical aspect of the meeting before the HPS membership by writing an article (call for abstracts, meeting overview, meeting announcement etc.) for the HPS Newsletter nearly every month since January 2008. In addition, the Northern California Chapter has written several articles for the Newsletter advertising the meeting venue.

None of the articles, preplanning, address gathering for the poster etc. has been done without collaboration between the Northern California Chapter and the Accelerator Section. Linnea Wahl has done an exceptional job of acting as liaison between the two organizations. The Accelerator Section would like to thank the HPS Board, the HPS President, Brian Dodd, the President Elect, Kevin Nelson and Rob Sitsler, (the Continuing Education Committee Chair) have strongly supported the efforts to arrive at an early agenda for the meeting and put together the PEP classes for publication in the HPS Newsletter. We also wish to thank the HPS newsletter staff for their contribution and support in publishing our articles.

Many emails continue to be exchanged between myself, Kamran Vaziri, Lorraine Day, Linnea Wahl, the Accelerator Section Board, members of the Local Arrangements Committee and many others at the Northern California Chapter. In addition we have spent well over 100 hours during the winter and spring months attempting to organize the technical session.

Kamran Vaziri, Lorraine Day and I met at FERMI Lab for six hours after Lorraine and I attended an OSHA stakeholders meeting in Chicago. The meeting allowed us to put forth a plan for the 2008 Midyear sessions, session kickoff speakers and finalize the list of solicited PEP classes intended for the Midyear meeting.

2008 MIDYEAR PROFESSIONAL DEVELOPMENT SCHOOL

During the months of August, September, and October, Don Cossairt, Vaclav Vylet, and Linnea Wahl prepared a proposal and budget for the 2008 Professional Development School. Don and Vaclav agreed to serve as the academic deans, and Linnea agreed to serve as the administrative dean for the school. The proposal and budget were sent to the HPS Continuing Education Committee for review and then sent on to the HPS Board of Directors.

In January 2007, the HPS Board of Directors and Finance Committee approved the proposal and budget for the 2008 Professional Development School. Don Cossairt and Vaclav Vylet recruited a distinguished faculty from across the accelerator health physics community. The academic deans worked with the HPS Special Publications Editor, John Edwards, to establish the schedule for writing and editing the textbook, then provided the schedule to the faculty members and resolved questions. They also requested photos, biographies, and course summaries from the faculty to be used to advertise the school. Some textbook chapters have been received and all are in progress.

The administrative dean, Linnea Wahl, has made initial arrangements for the school's night out, which will be dinner in Oakland Chinatown and entertainment by the Oakland Youth Services Lion Dance Team. The administrative dean has coordinated publicity for the school, which includes articles in *Health Physics News*, the *Accelerator Radiation Safety Newsletter*, and the newsletter of the Northern California Chapter. School. Brochures were provided to booth visitors at the 2007 midyear meeting in Knoxville.

Dr. Ralph Thomas very graciously donated several rare and valuable health physics texts to be used to raise funds for a student scholarship to the school. The texts, priced from \$50 to \$400, will be auctioned at the 2007 annual meeting in Portland. The auction was advertised in *Health Physics News* and the *Accelerator Radiation Safety Newsletter*, and a flier will be included in the packet given to Portland meeting attendees. Thanks to Melissa Mannion, Eberline Services, for her assistance in researching Dr. Thomas's texts.

A preliminary website provides additional advertising for the school, and a more elaborate website is in preparation. Special thanks go to Mike Calvert, LBNL, who has volunteered his time to put together the website.

H. WADE PATTERSON MEMORIAL AWARD

We continue to promote this award for outstanding research by a student working in the special field of accelerator health physics. We look to the Health Physics Society to aid the section in helping to promote this award. As in other areas of Health Physics, the accelerator section suffers a crisis in human capital. For experience in accelerators, neither Japan nor CERN are training students any longer. There is essentially no US counterpart and some HP positions have been vacant for more than 1 year, due to lack of qualified personnel. This is why the Patterson Award was created – to help to draw young people into the special world of accelerator health physics.

ACCELERATOR SECTION NEWSLETTER

Accelerator Radiation Protection Newsletter

In 2006-2007, we issued four quarterly volumes of the Accelerator Radiation Safety Newsletter. We distributed the newsletter via e-mail to all members of the Accelerator Section and to others interested in accelerator safety. We also posted each issue of the newsletter on a website at <http://www.hps.org/iarpe>. The fourth quarter 2006 issue presented readers with a new front-page design and a new distribution format (as a pdf file). The response from readers was positive.

The contents of the four newsletters included reports from officers of the Accelerator Section and news from correspondents at accelerator facilities around the world. Among the articles contributed by officers and correspondents were a report on keeping doses as low as reasonably achievable during several projects at Fermi Lab, updates on plans for the 2008 midyear meeting on "Radiation-Generating Devices," the call for papers for the 2008 midyear meeting, and details on the curriculum for the 2008 Professional Development School on "Topics in Accelerator Health Physics." Invited papers provided two viewpoints on the NRC's regulation of accelerator-produced radioactive material: one from the NRC's viewpoint and another from the perspective of a regulated state. A third invited paper by Bill Barletta provided an overview of the US Particle Accelerator School. A feature article was Ralph Thomas's J. Newell Stannard lecture, "Know Less and Understand More." Articles in the newsletter acknowledged awards won by members of the Accelerator Section: Lorraine Day was elected a Fellow of the HPS, Scott Schwahn received the Elda E. Anderson Award, and Linnea Wahl was presented with the HPS Outstanding Volunteer Award. The newsletter also served as a medium for announcing job openings and training opportunities of interest to the accelerator radiation safety community.

**ANSI N43.1: RADIATION SAFETY FOR THE DESIGN AND OPERATION OF
PARTICLE ACCELERATORS.**

Comment resolution was completed after the first N43 committee ballot. The standard was then submitted to the N43 committee for a second ballot and comment. James Lui and I just recently (June 15th,2007) received the comments from the second ballot and have begun addressing the questions from the N43 committee.

Respectfully submitted,

L. Scott Walker
Accelerator Section President