

**HPS Accelerator Section – 2008 Annual Report**

**Date: June 29, 2008**

**Prepared by:**

**Kamran Vaziri – President**

**Contributions from:**

**Marcia Torres – acting Secretary**

**Henry Kahnhauser – President - Elect**

**Marcia Torres - Treasurer**

**Linnea Wahl – Newsletter Editor**

**Scott Walker – Past President**

**Abstract:** This report summarizes the activities of the HPS Accelerator Section for the 2007-2008 business year.

**Recommendations for Action**

None.

## Annual Report to the President of Health Physics Society

The Accelerator Section of the Health Physics Society held its annual business meeting during the 2007, 52<sup>nd</sup> Annual Meeting of the Society in Portland, Oregon. At this meeting, newly elected officers were announced, and immediately assumed their respective positions. The officers of the Section for 2007-08 are:

### OFFICERS

President	Kamran Vaziri, Fermi National Accelerator Lab
President-Elect	Henry Kahnhauser, Brookhaven National Lab
Past President	Scott Walker, Los Alamos National Laboratory
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 Michael Duran (2010), Los Alamos National Laboratory Don Gregory (2009), Oak Ridge National Lab Michael Sandvig (2008) Idaho National Laboratory Mike Singh (2010), Livermore National Lab Nolan Hertel (2008) Director Liaison to the Accelerator Section

### Treasurer's Report

Accelerator Section  
Health Physics Society  
Statement of Income & Expenses and Account Balance

As of March 31, 2008, the section account is as follows.

ACCOUNT BALANCE AS OF 8/31/2006      8,472.96

#### INCOME RECEIVED

Dues from HPS Members                      660.00

Contributions	-
Interest Income	-
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TOTAL INCOME COLLECTED	660.00
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EXPENSES PAID	
Collection & Management Fees	66.00
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TOTAL EXPENSES PAID	66.00
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NET INCREASE FOR FISCAL YEAR	594.00
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ACCOUNT BALANCE AS OF 3/31/2008	9,066.96
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### Section Activities

Both the Accelerator Section's Midyear and the Professional Development School (PDS) were resounding successes. More than 120 papers were presented. The sessions were very well attended. PDS enrollment had to be capped at 120 students. All copies of the PDS proceeding were sold out. Several more copies were printed and sold in the months following the School. We had two distinguished Morgan lecturers at the midyear: Dr. Nikolai Mokhov, gave a talk on "Challenges, Advances, and Future Needs in Shielding Code Developments", and the title of Dr. Fred Mettler Jr., lecture was "Growth of Radiation Uses in Medicine". The section would like to recognize the continuing support of the Morgan Lecturer fund in helping to recognize scientists that have made important contributions to the field of Accelerator health physics.

The Accelerator Section Board of Directors met on January 28 at Oakland. Of course the progress on the preparation for the midyear was reported. The previous years' minutes were discussed. Marcia Torres, the Accelerator Section Treasurer, reported income and expenses of the Section. Scott Walker reported on the progress on ANSI43.1. A new logo for the Accelerator Section was submitted. It was decided that it will be put to the members vote. The Section has decided to select one student for the Wade Patterson Award every year. The board agreed to reduce the cash award to \$200. The cost of the award plaque, engraving and shipping is about \$100. It was proposed to add a Question/Answer link to the section's webpage. This has been submitted through our liaison to the HPS boards of directors for permission. The improvement to the election process was also discussed. The board members suggested several improvements to the officers' election process.

Based on the recommendation of the Accelerator Section board of directors, at the Oakland meeting, the proposed Accelerator Section logo was put up for vote. A total of

39 members voted. 59% voted for the proposed logo, 23% voted to keep the current logo and 18% voted to see more choices. The new logo was adopted.

Our section membership has had a net increase of 10% since 2006. We continue to encourage our colleague working at accelerator facilities at national labs, universities, medical and industrial to join our section.

Our newsletter editor Linnea Wahl has been made a fellow of the Health Physics Society, a well deserved recognition.

### **Accelerator Section Special Session**

As has been the practice for a number of years, a special session devoted to accelerator radiation protection has been arranged for the annual meeting in Pittsburgh. Because of the 2008 Midyear and the Professional Development School we will have a shorter special Accelerator technical session at the 2008 annual meeting at Pittsburgh, PA. The keynote speaker is Nolan E. Hertel from Georgia Institute of Technology. The title of his talk is "A Review of High-Energy Dose Conversion Coefficients", which is very timely because of the 2007 amendments to the 10CFR835. The President-Elect, Henry Kahnhauser, coordinated the scientific program. A full program of six presentations will be followed by the Section's business meeting at noon.

### **Wade Patterson Memorial Award**

This is the sixth year of the H. Wade Patterson Memorial Award for the best student accelerator paper/poster presented at the annual meeting. Several students are presenting their work in accelerator health physics at the annual meeting. Dr. Sam Baker from ANL has agreed to act as the judge for selecting of the best student presentation. The winner will be selected on Monday July 14, and will receive his award consisting of a plaque and \$200 cash prize at the Section's business meeting. The name of the Wade Patterson award winner will be announced at the Tuesday night banquet and will be published in the HPS Journal.

### **Accelerator Section's IRPA12 delegate**

This year the rule for selection of delegates was changed to permit each Chapter and Section to nominate one member as a candidate for selection without requiring the nominee to obtain sponsors. Two of our members asked to be considered and their names were submitted to the Section's board of directors. Scott Walker was elected to be the Accelerator Section's IRPA 12 delegate.

### **Accelerator Section Newsletter**

In 2007-2008, we issued four quarterly volumes of the Accelerator Radiation Safety Newsletter. We distributed the newsletter as a portable document file (PDF) 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 contents of the four newsletters included reports from officers of the Accelerator Section

and news from correspondents at accelerator facilities around the world. During the year, the primary focus of the officers' contributions was the 2008 Health Physics Society (HPS) midyear meeting on "Radiation-Generating Devices" and the professional development school on "Topics in Accelerator Health Physics." Articles contributed by correspondents included news of activities at Fermi National Accelerator Lab, Los Alamos National Lab, Louisiana State University's Center for Advanced Microstructures and Devices, and Oak Ridge National Lab's Spallation Neutron Source. Newsletter highlights included a review of winners of the H. Wade Patterson Award and an update on Nuclear Regulatory Commission requirements for naturally occurring and accelerator-produced materials. The newsletter also served as a medium for announcing job openings and training opportunities of interest to the accelerator radiation safety community.

Sadly, the last issue of the 2007-2008 term included an obituary for Dr. Anthony H. Sullivan, who passed away on May 26, 2008. Dr. Sullivan's G. William Morgan Memorial Lecture, "Radiation Safety Around High-Energy Particle Accelerators" was also published in the newsletter. A distinguished dosimetrist whose work contributed greatly to the field of accelerator health physics, Dr. Sullivan will be deeply missed by the international community.

### **Election of New Officers**

A Nominating Committee for new officers was chaired by the Past President, Scott Walker, and supported by Michael Duran from Los Alamos and Don Gregory from Oak Ridge SNS. Ballots were distributed on May 22, for president-elect, secretary, newsletter editor, and one board member. Ballots were distributed by e-mail to all section members with e-mail. The announcement of new officers will be made at the Accelerator Section business meeting at 12:00 PM, Tuesday, July 15, at the annual meeting in Pittsburgh, PA. We had good member participation for this election. We received more than twice the last year's votes. The results will be certified and finalized at the Section's business meeting

### **ANSI N43.1: Radiation Safety for the Design and Operation of Particle Accelerators.**

James Liu and Scott Walker, co-chairs of the committee report that the second round of comment resolution was completed after the second N43 committee ballot. However, some new members of the committee voted against the standard. Scott and other members have resolved the objections raised by the new members of the ANSI committee. There is still hope that this standard can be approved and proceed to publication before the end of 2008.

Respectfully submitted,

Kamran Vaziri

