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AAHP Special Session

Health Physics Education:

Status of Academic Programs, Student Recruitment, Funding, and Accreditation

Health Physics Society 2007 Annual Meeting

Portland, Oregon

Tuesday, 10 July 2007

The Academy’s Special Session at the 2007 Health Physics Society Annual Meeting in Portland will be on the topic of health physics education. The session will be cochaired by Wesley Bolch (Professor and Health Physics Program Coordinator, University of Florida), Derek Jokisch (Associate Professor of Physics and Health Physics, Francis Marion University) and Jim Bogard (AAHP Past President).

Speakers from successful health physics academic programs will summarize their programs in the morning session, led by Derek Jokisch. Each is asked to provide a brief history of the program and to emphasize what they do to recruit and retain students on a health physics track in the face of competition from other fields like physics, medical physics, nuclear engineering, and biology.

The afternoon session, led by Wes Bolch, is devoted to an exploration of funding and accreditation for academic health physics programs.

Both the morning and afternoon sessions will conclude with a half-hour roundtable discussion, after which audience members will be encouraged to share their experiences and ask questions of the speakers.

Preliminary Program

Morning Session (8:30–Noon)

Status of HP Academic Programs and Student Recruitment

Summary of HP Manpower and Future Demand, *Kevin Nelson*

A Review of Current HP Programs Across the Country, *W.E. Bolch*

Program Descriptions

Associate’s Program at the University of Missouri, *William Miller*

Bachelor’s Programs Bloomsburg University, *David Simpson*
Francis Marion University, *David Peterson*

Graduate Programs Texas A&M University, *John Poston*
Oregon State University, *Kathryn Higley*
University of Tennessee-Knoxville, *Larry Miller*
University of Massachusetts-Lowell, *Clayton French*

Panel Discussion and Question/Answer: “Competition from other Fields/How Does HP Compete?”

—Break for AAHP Awards Luncheon—

Afternoon Session (2:30–5:15)

Funding and Accreditation of Academic Programs

Summary of ABET Accreditation, Rich Brey

Funding of Academic Programs

DOE University Programs Update, *John Gutteridge*

NIOSH Training Programs, *Tom Borak*

HPS Congressional and Agency Efforts, *Keith Dinger*

Scholarships and Fellowships, *Craig Williamson*

What HPS Is Doing to Help, Derek Jokisch

Panel Discussion and Question/Answer: “Current and Future Funding of Academic Programs”

—Adjourn to AAHP Business Meeting—

ABHP Examination No. 1 – June 1960

Four 10-point questions from Part II of the first ABHP exam are listed below. Candidates were required to answer 15 out of 20 10-point questions, plus a 50-point essay in an exam time limit of three hours.

Part II – Answer 3 questions (10 points each)

5. Give the equations for the decay of a single radioisotope and of fallout from a nuclear detonation (from a few hours to a few months after the event) respectively. Give the meaning of each symbol. Describe the basic concepts behind equations, how the two equations differ and the meanings of “half life” in the two cases.
6. a) Explain the difference between broad and narrow beam condition as related to X or gamma ray shielding problems.
b) Describe a method for shielding a fast neutron source that emits negligible X or gamma radiation.
7. Define the following:
a) roentgen b) rad c) rem d) curie e) LET
8. Discuss the relative importance of radiation effects on somatic cells and on germ cells in establishing maximum permissible exposure for:
a) Occupational exposure
b) Exposure to the general population