

APR10-2009-000571

Abstract for an Invited Paper  
for the APR10 Meeting of  
the American Physical Society

### **Research and Education in Physics and Astronomy at Haverford College**

JERRY GOLLUB, Haverford College

This talk focuses on special features of research and education in physics and astronomy at Haverford. These include: (a) The involvement of students in research for many decades, both locally and at national facilities. At least 60 students have been co-authors of scientific papers in the last 30 years, of which many contain significant new science. (b) A noteworthy Astronomy program that has produced a surprising number of active astronomers, many of whom have been recognized by national awards. (c) A physics senior seminar that helps students to make the transition from an undergraduate education to the world of graduate education or work. (d) A network of interdisciplinary interactions and concentrations that enables the physics program to appeal to students with broad interests, e.g. in biology, computer science, education, or engineering. (e) A tradition of outreach courses to students not majoring in science. (f) Curricular coordination with neighboring Bryn Mawr College. (g) Notable laboratory courses that prepare students for research and independent learning.