John S. Rigden, Ph.D.

Education:
1952 Graduate of Thomas W. Harvey High School – **Extra-Curricular Activities** included Hi-Y, "Stepping Stone", Band, Dance Band, Committeeman, Harbinger, Key Club, Spanish Club, National Music Honor, National Honor Society, and "Nicest Eyes" in Senior Poll.

Bachelor of Science, Eastern Nazarene College; Ph.D., Johns Hopkins University; and Post Doctoral Fellow, Harvard University

Career and Professional Activities:

- Molecular Physicist and Science Historian
- Faculty member of Eastern Nazarene College, Middlebury College, and the University of Missouri-St. Louis
- Director of Physics Programs of the American Institute of Physics, working in the areas of molecular physics and the history of science
- Editor of the American Journal of Physics 1975 – 1985
- Director of Development of the National Science Standards Project at the National Academy of Sciences 1992
- Chairman of the History of Physics Forum of the American Physical Society
- Committee Member of the American Association of Physics Teachers, the American Physical Society, American Association of the Advancement of Science, and the National Academy of Sciences
- NSF Consultant to India 1968 – 1969
- United States Representative to the International Science Exhibition in Rangoon Burma 1970
- Fulbright Fellow to Burma in 1971 and Uruguay in 1975
- Honorary Doctor of Science, Denison University
- Honorary Professor of Physics, Washington University, St. Louis

Literary Achievements: Authored 14 Books, 28 papers in refereed journals, 78 invited papers, articles, contributions and reviews in journals, magazines and newspapers, 140 editorials and 12 book notes, included among which are: Physics and the Sound of Music (John Wiley), Rabi: Scientist and Citizen (Basic Books), Einstein 1905: The Standard of Greatness (Harvard University Press, 2005), and Hydrogen: The Essential Element (Harvard) which was selected as One of Discover Magazine's Twenty best Science Books of 2002. In this biography of hydrogen, John Rigden shows how this singular atom, the most abundant in the universe, has helped unify our understanding of the material world from the smallest scale, the elementary particles, to the largest, the universe itself, the understanding of which captured the imagination of many great scientists, and led to such complex technical innovations as magnetic resonance imaging, the maser clock and global positioning systems.
Editor: Editor in Chief of the Macmillan Encyclopedia of Physics and Macmillan Encyclopedia of Elementary Particle Physics, and Co-Editor of Physics in Perspective (Birkhauser Publishing, Basel, Switzerland

Inducted
Member of the Harvey Alumni Association
Distinguished Graduates
June 4, 2009