

## Brief Biography of P. Buford Price

### Education and Post-doctoral Fellowships

- 1954 B.S. Summa cum Laude, Physics, Davidson College
- 1958 Ph.D., University of Virginia
- 1958-59 Fulbright Fellowship, University of Bristol, England
- 1959-60 National Science Foundation Fellowship, Cambridge University, England
- 1965-66 Fulbright Fellowship, Tata Institute of Fundamental Research, Bombay, Physics
- 1976-77 Guggenheim Fellowship, held at Kyoto, LBNL and Max Planck Institute, Munich

### Positions

- 1960-69 Physicist, General Electric Research Laboratory, Schenectady, NY
- 1969-- Professor, University of California, Berkeley
- 1979-85 Director, Space Sciences Laboratory, U. C. Berkeley
- 1983, 1992 Sabbatical leaves as Visiting Professor, University of Rome
- 1984 Sabbatical leave as Scientific Associate, CERN
- 1987-92 Chairman, Physics Department, University of California, Berkeley
- 1992-2001 Dean of Physical Sciences, University of California, Berkeley
- 2002-- Professor in the Graduate School, University of California, Berkeley

### Societies:

- Fellow, American Physical Society and American Geophysical Union
- Member, Amer. Astronomical Society; Amer. Assn. for Advancement of Science

### Selected Activities

- 1971-72 Member, Lunar Sample Analysis Planning Team
- 1973-76 Member, Space Studies Board of National Academy of Sciences
- 1975-76 Chairman, Astrophysics Division, American Physical Society
- 1982-86 Vice-Chairman, Advisory Committee, California Space Institute
- 1981-84 Chair, Geophysics Section, National Academy of Sciences
- 1988-91 Chair, Physical and Mathematical Sciences Class, National Academy of Sciences
- 1981-86 Member, Board of Directors, Terradex Corporation, Walnut Creek, CA.
- 1991-94 Advisory Committee, Bartol Research Institute
- 1993--2004 Regional Director, California Alliance for Minority Participation (NSF)
- 1994 Blue Ribbon Panel for Reconstruction of NSF South Pole Station
- 1994-95 National Academy of Sciences Steering Group on Future of Space Science
- 1996-97 Led an 8-person review of College of Science, King Fahd University, Saudi Arabia
- 1999--2001 Member, Polar Research Board of National Academy of Sciences
- 2001--02 Led a 20-person review of Uppsala University (Sweden)
- 2006- Member, Advisory Board, U. C. Berkeley Library
- 2006- Member, Scientific Advisory Board, University of Vienna, Austria

### Honors and Prizes

- 1964 Award for Distinguished Service, American Nuclear Society
- 1964,-65,-72 IR-100 Awards (invention of Nuclepore filter; radon detector; radiation dosimeter)
- 1971 Ernest O. Lawrence Award, Atomic Energy Commission
- 1972-73 Adolph C. and Mary Sprague Miller Research Professor, U. C. Berkeley
- 1973 Honorary Sc.D. Degree, Davidson College
- 1973 Medal for Exceptional Scientific Achievement, NASA
- 1975 Election to National Academy of Sciences
- 1990-91 Holder of William H. McAdams Chair of Physics, U. C. Berkeley
- 1997 Scientific Symposium in Honor of P. B. Price's 65th Birthday, Aug. 23-24
- 2000 Honorary Fellow of Indian Institute of Astrophysics, Bangalore, India

- 2001            Awarded the Berkeley Citation (for outstanding research and leadership)
- 2004            Elected to Bohemian Club, San Francisco
- 2005            Price Terrace (at 77°19'40"S, 161°18'00"E), a region of Antarctica named for P. B. Price by the U. S. Board on Geographic Names.
- 2006            Honorary Member, International Nuclear Track Society

**Publications**

- **Nuclear Tracks in Solids** (monograph)
- 518 papers on various subjects such as materials science, defects in solids, condensed matter physics, geochronology, cosmochemistry, nuclear physics, particle physics, astrophysics, optics, acoustics, neutrino astronomy, paleoclimatology, life in extreme environments, detection of anthrax spores, methanogenic life on Mars,...

**Co-founder:** nuclear tracks in solids, with Robert Walker and Robert Fleischer

**Co-inventions:** Fission track dating; Nuclepore filter; radon detector; 9 patents; optical dust-logger; miniaturized biospectrologger

**Research Director for Berkeley Physics Students**

Total number of graduate students advised = 45; total number of post-doc fellows advised  $\approx$  44.