

**ALLAN D. PIERCE, P. E.**

Professor of Mechanical Engineering  
Boston University

Editor-in-Chief  
Acoustical Society of America

Adjunct Scientist  
Woods Hole Oceanographic Institution

**PERSONAL DATA**

- e-mail: adp@bu.edu
- Mailing address: PO Box 339, East Sandwich, MA 02537
- BU office: Room 401, 110 Cummington Street, Boston, MA 02215
- Telephone: (508) 833-0193
- Date of birth: December 18, 1936; Place of birth: Clarinda, Iowa.
- Grade school education in Wichita, Kansas; junior and senior high school education in Las Cruces, N. Mex. Graduated high school in May, 1954.
- Married (since 1961) to Penelope Claffey; two children, Jennifer Irene Pierce and Bradford Loren Pierce

**EDUCATIONAL BACKGROUND**

- Ph. D. (Physics), 1962. Massachusetts Institute of Technology
  - Concentration in solid state and molecular physics, thermodynamics, and mathematics
  - Thesis committee: L. Tisza (advisor), P. M. Morse, and G. F. Koster
  - Degree requirements completed October 1961
  - GPA was 4.9+ out of 5.0
  - Supported by three NSF fellowships and a Shell Oil Company Fellowship

- B. S. (Physics) 1957. New Mexico College of Agriculture and Mechanical Arts (presently New Mexico State University)
  - With highest honors, GPA was 3.96 out of 4.00
  - Completed four year program in 2.5 years

## **EMPLOYMENT HISTORY**

- Professor (Aerospace and Mechanical Engineering), Boston University, 1999 to present
- Editor-in-Chief, Acoustical Society of America, 1999 to present
- Department Chair and Professor (Aerospace and Mechanical Engineering), Boston University, 1993 to 1999.
- Professor, Leonhard Chair Holder. The Pennsylvania State University (ME and Acoustics), 1988 to 1993
  - Leonhard Chair in Engineering, established 1988 by endowment of William E. Leonhard, an alumnus of the PSU College of Engineering and of MIT, a member of the NAE, and a retired Air Force General who led the regiment that built the Alcan Highway in WWII; he was in charge of postwar construction in Europe, was chief of staff of the Headquarters System Command, and subsequently became CEO of the Parsons Corporation, Pasadena. Mr. Leonhard passed away in 2008.
- Regents' Professor, Georgia Institute of Technology (Mechanical Engineering), 1976–1988.
- Faculty Fellow, USDOT Transportation Systems Center, 1979–1980.
  - Intergovernmental personnel agreement; leased by Georgia Tech to DOT for one year
- Visiting Professor, Max Planck Institut für Strömungsforschung, Göttingen, Germany, 1976–1977
  - Financed by a Senior US Scientist Award from the Alexander von Humboldt Foundation
- Professor (Mechanical Engineering), Georgia Institute of Technology, 1973–1976
- Associate Professor (Mechanical Engineering), Massachusetts Institute of Technology, 1968–1973

- Assistant Professor (Mechanical Engineering), Massachusetts Institute of Technology, 1966–1968
- Lecturer (Physics), Northeastern University, 1964–1966
  - Part-time position with evening division
- Senior Staff Scientist, Avco Corporation, Wilmington, MA , 1963–1966
- Research Engineer, Rand Corporation, Santa Monica, CA, 1961–1963

### **PROFESSIONAL REGISTRATION**

- Registered professional engineer, Massachusetts, Reg. No. 26935-M, since 1971.
- Registered professional engineer, Georgia, 1973-1978.

### **HONORS**

- Gold Medal, Acoustical Foundation of India, 2007
- Honorary Life Member, Boston Chapter, Acoustical Society of America, 2005
- Life Fellow, American Society of Mechanical Engineers, 2005
- Gold Medal, Acoustical Society of America, 2005
- Rossing Prize in Acoustics Education, Acoustical Society of America, 2004
- Per Bruel Gold Medal for Noise Control and Acoustics, American Society of Mechanical Engineers, 1995
- Rayleigh Lecturer, American Society of Mechanical Engineers, 1992
- Silver Medal in Physical Acoustics, Acoustical Society of America, 1991
- Best paper award, Noise Control and Acoustics Division, American Society of Mechanical Engineers, 1989. Award was given at the 1989 Winter Annual Meeting in San Francisco.
- Paper written (with Y. H. Berthelot) for the AIAA 11th Aeroacoustics Conference was selected as one of the two most outstanding papers at the conference; a Certificate of Merit was presented at the 12th Aeroacoustics Conference on April 11, 1989.

- Outstanding thesis advisor award, Georgia Tech chapter of Sigma Xi, 1988.
- Fellow, American Society of Mechanical Engineers, since 1986.
- Fellow, Acoustical Society of America, since 1973.
- Senior U. S. Scientist Award, Alexander von Humboldt Foundation, 1976
- Faculty Fellow, U.S. Department of Transportation, 1979
- Shell Oil Company Fellow, 1960–1961
- Fullbright Fellow (declined), 1957
- NSF Predoctoral Fellow, 1957–1960
- NASA *Certificate of Recognition* for the creative development of a technological innovation, April, 1984.
- Listed in *Who's Who in America*, various other biographical compendiums.
- Byron Short Lecturer, Mechanical Engineering Department, University of Texas, Austin, March 1, 1991.

## ADMINISTRATIVE INVOLVEMENTS

### Professional Activities

- Editor-in-Chief, Acoustical Society of America, since 1999.
- Nomination Committee, Per Bruel Award, Noise Control and Acoustics Division, ASME, 1988–1993.
- United States National Committee for Theoretical and Applied Mechanics, 1994–2001
- Subcommittee on Information Retrieval and Classification, American Institute of Physics, 2001–2007
- Chairman, ASA (Acoustical Society of America) Committee on Education in Acoustics, 1984–1988.
- Executive Council (elective office), ASA, 1990–1993.
- Chairman, ASA Committee on Tutorials, 1991–1994. (Member, 1988–1996.)
- Executive Committee, ASME Noise Control and Acoustics Division, 1995–2001.

- Chairman, ASME Noise Control and Acoustics Division, 1999–2000.
- Associate Editor, *Journal of the Acoustical Society of America*, 1973–1980.
- Associate Editor, *Applied Mechanics Reviews*, 2000–present.
- Co-editor (with Robert Thurston) of Academic Press series of volumes titled *Physical Acoustics*, 1987–present.
- Founding Co-editor (with Ding Lee) of *Journal of Computational Acoustics*, 1992–1999.
- Editorial Board, *Journal of Sound and Vibration*, 1990–present.
- Search Committee for Dean of Engineering, The Tuskegee Institute, Tuskegee, Alabama.
- Medals and Awards Committee, Acoustical Society of America, 1993–1997.
- Chairman, ASA (Acoustical Society of America) Committee on Education in Acoustics, 1984–1988.
- Ad-Hoc Committee on Opportunities in Acoustics, Especially for Minorities and Women, ASA, 1990–1993.
- Executive Council (elective office), ASA, 1990–1993.
- Chairman, ASA Committee on Tutorials, 1991–1995. (Member, 1988–present.)
- Technical Committee on Shock and Vibration, ASA, 1984–present.
- Nomination Committee, Trent-Crede Award, ASA, 1987–1993.
- Technical Committee on Physical Acoustics, ASA, 1985–1988.
- ANSI Working Group S-12-6, Outdoor Noise Barriers, 1979–1985.
- ANSI Working Group S-12-27, Outdoor Measurement of Sound Pressure Level, 1986–1993.
- American Institute of Physics, ASA Representative to Commission on Education, 1985–1987.
- Associate Editor, Aeroacoustics and Atmospheric Acoustics, *Journal of the Acoustical Society of America*, 1973–1980.
- Co-editor (with Robert Thurston) of Academic Press series of volumes titled *Physical Acoustics*, 1987–1996. (Warren Mason was founding editor.)

- Co-editor (with Ding Lee) of *Journal of Computational Acoustics*, published by World Scientific Publishing Company for the International Association for Mathematics and Computers in Simulation, 1992–1999.
- President, Central Pennsylvania Chapter, ASA, 1990–1991. (Vice-president, 1989–1990.)
- Editorial Board, *Journal of Sound and Vibration*, 1990–2007.
- Panel chairman at NASA workshop on research needs regarding sonic booms, January, 1988.
- Member of review panel, ONR/DARPA Structural Acoustics Program Review Meeting, Massachusetts Institute of Technology, January 29-31, 1990.

#### PROFESSIONAL SOCIETY MEMBERSHIPS

- Acoustical Society of America (Fellow)
- American Society of Mechanical Engineers (Life Fellow)
- Deutsche Gesellschaft für Akustik
- TeX User's Group
- American Institute for Aeronautics and Astronautics (senior member)
- Institute of Electrical and Electronics Engineers

#### Former member:

- American Academy of Mechanics (founding member)
- American Physical Society
- American Society for Engineering Education
- American Association of Physics Teachers
- American Geophysical Union
- American Meteorological Society
- American Association for the Advancement of Science
- Sigma Xi
- Japanese Society for Terrestrial Magnetism