

## CURRICULUM VITAE

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**Date & Place of Birth:** July 26, 1931, Grantsburg, WI

**Education:** Graduate, New Richmond High School, Wisconsin, June 1949  
B.E. (E. E.), Univ. of MN., June 1954  
M.S. (E. E.), Univ. of MN., June 1956  
Ph.D. (Physics), Univ. of MN., June 1960

### **Academic Career (Professional Positions):**

University of Minnesota, MN:  
Research Associate 1960–1962

University of California, San Diego:  
Assistant Research Physicist, 1962–1963  
Assistant Professor of Physics, 1963–1967  
Associate Professor of Physics, 1967–1971  
Professor of Physics, 1971–1994

University of California, San Diego  
Center for Astrophysics and Space Sciences (CASS)  
Director, 1988–1997

University of California, San Diego  
Professor Emeritus; Research Professor  
1994–present

**Honors:** NSF Fellowship, 1958–1959  
Guggenheim Fellow, 1973–1974  
NASA: Apollo Achievement Award  
American Institute of Aeronautics and Astronautics:  
Space Science Award, 1978  
NASA, Medal for Exceptional Scientific Achievement,  
HEAO-1, 1978  
Fellow of the American Physical Society, 1983

### **Non-Academic Positions (selected):**

Member, NASA Space Science Steering Committees, 1965–1978  
Member, National Academy of Sciences Space Science Board, 1978–1986  
U.S. Vice-President, Committee on Space Research (COSPAR), 1980–1986  
Assistant Director for Science, NASA Astrophysics Division, 1986–1988

**Memberships:** American Physical Society  
Member, American Astronomical Society  
Member, International Astronomical Union  
Member, American Association for the Advancement of Science

**Research Interests:** X- and Gamma-ray Astronomy; Cosmic-rays; Space Physics; Balloon and Satellite instrumentation

**Publications:** 157 Published Papers; short list attached.  
AIP Nils Bohr Library on the History of Physics: in 50 Years of X-Ray Astronomy "A Personal Perspective on the Early Years of High Energy Astronomy: from Minnesota to San Diego" by Laurence E Peterson

**Archive:** UCSD Mandeville Special Collections Library.  
Register of the Laurence Peterson Papers 1954-1995 – MSS 0073

### Key Publication List

7. Peterson, L.E., and Winckler, J.R., "Gamma-Ray Burst from a Solar Flare", *J. Geophys. Res.*, **64**, 7, 697 (1959).
18. Peterson, L.E., Jacobson, A.S., and Pelling, R.M., "Spectrum of Crab Nebula X-Rays to 120 keV", *Phys. Rev. Letters*, **16**, 4548 (1966).
53. Trombka, J.I., Metzger, A.E., Arnold, J.R., Matteson, J.L., Reedy, R.C., and Peterson, L.E., "The Cosmic Gamma-Ray Spectrum Between 0.3 and 27 MeV Measured on the Apollo 15", *ApJ*, **181**, 737 (1973).
78. Metzger, A.E., Parker, R.H., Gilman, D., Peterson, L.E., and Trombka, J.I., "Observation of a Cosmic Gamma-Ray Burst on Apollo 16—Part I: Temporal Variability and Energy Spectrum", *ApJL*, **194**, L19 (1974).
84. Baity, W.A., Jones, T.W., Wheaton, W.A., and Peterson, L.E., "Hard X-Ray Observations of NGC 4151", *ApJL*, **199**, L5 (1975).
85. Peterson, L.E., "Instrumental Technique in X-Ray Astronomy", *Annual Rev. of Astron. & Astrophys.*, **13**, 423 (1975).
115. Rothschild, R.E., Mushotzky, R.F., Baity, W.A., Gruber, D.E., Matteson, J.L., and Peterson, L.E., "2–165 keV Observations of Active Galaxies and the Diffuse Background", *ApJ*, **269**, 423 (1982).
118. Levine, A.M., Lang, P.L., Lewin, W.H.G., Primini, F.A., Dobson, C.A., Hoffman, J.A., Howe, S.K., Scheepmaker, A., Wheaton, W.A., Matteson, J.L., Baity, W.A., Gruber, D.E., Knight, F.K., Nolan, P.L., Pelling, R.M., Rothschild, R.E., and Peterson, L.E., "The HEAO-1 (A-4) Catalog of High Energy X-Ray Sources", *ApJ. Suppl.*, **54**, 581 (1984) (36 pages).
120. Pelling, R.M., Paciesas, W.S., Peterson, L.E., Makishima, M., Oda, M., Ogawara, Y., and Miyamoto, S., "A Scanning Modulation Collimator Observation of the High Energy X-Ray Source in the Crab Nebula", *ApJ*, **319**, 416 (1987).
136. Smith, D.M., Lin, R.P., Feffer, P., Slassi, S., Hurley, K., Matteson, J., Bowman, H.B., Pelling, R.M., Briggs, M., Gruber, D., Peterson, L.E. *et al.*, "Compton-Backscattered Annihilation Radiation from the Galactic Center Region", *ApJ*, **414**, 165 (1993).
142. Briggs, M.S., Gruber, D.E., Matteson, J.L., and Peterson, L.E., "Discovery of a Transient MeV Range Gamma-Ray Source", *ApJ*, **442**, 638 (1995).
149. Marsden, D., Blanco, P.R., Gruber, D.E., Heindl, W.A., Pelling, M.R., Peterson, L.E., Rothschild, R.E., Rots, A.H., Jahoda, K., and Macomb, D.J., "The X-Ray Spectrum of the Plerionic System PSR B1509–58/MSH 15–52", *ApJ*, **491**, L39 (1997).
155. Matteson, J.L., Gruber, D.E., Heindl, W.A., Pelling, M.R., Peterson, L.E., Rothschild, R.E., Skelton, R.T., Hink, P.L., Slavis, K.R., Binns, W.R., Tumer, T., and Visser, G., "Recent Advances in CZT Strip Detectors and Coded Mask Imagers", *Astron. Astrophys. Suppl. Ser.*, **138**, 575 (1999).
156. Gruber, D., Matteson, J.L., and Peterson, L.E., "The Spectrum of Diffuse Cosmic Hard X-Rays Measured with HEAO-1", *ApJ*, **520**, 124 (1999).