

# JOHN R. (JACK) PELTON

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## EDUCATION:

1979 Ph.D. Geophysics, University of Utah, Salt Lake City, UT

1973 B.S. Applied Geophysics, Michigan Technological University, Houghton, MI

## CURRENT POSITION:

2001-Present Dean of the Graduate College and Professor of Geophysics, Boise State University, Boise, ID

## PREVIOUS POSITIONS:

1991-2001 Founder and Director, Center for Geophysical Investigation of the Shallow Subsurface, College of Arts and Sciences, Boise State University, Boise, ID

1981-2001 Faculty Member (tenured full professor since 1988), Department of Geosciences, Boise State University, Boise, ID

1979-1981 Geophysicist, U. S. Geological Survey, Menlo Park, CA

1979-1979 Visiting Scientist (2 months), Soviet-American Exchange in Earthquake Prediction, Seismological Research Station, Garm, Tadjikistan, USSR

1978-1979 Assistant Professor of Geology, Department of Geology, Brigham Young University, Provo, UT

1973-1978 Teaching and Research Assistant, Department of Geology and Geophysics, University of Utah, Salt Lake City, UT

1973-1973 Geophysicist (summer), Shell Oil Company, Los Angeles, CA and Houston, TX

1972-1972 Seismic Field Worker (summer), Shell Oil Company, Caro, MI and Alpena, MI

## PROFESSIONAL ORGANIZATIONS:

American Geophysical Union

Society of Exploration Geophysicists

## SCHOLARLY ORGANIZATIONS:

Phi Eta Sigma

Phi Kappa Phi

Tau Beta Pi

## **MAJOR SERVICE ASSIGNMENTS:**

### **Boise State University**

- 2003-2004 University Representative, Bechtel-Texas A&M Bid for INL Contract
- 2002-Present University Program Coordinator, Inland Northwest Research Alliance
- 2002-2004 Member, Scholarship Strategic Planning Committee
- 2001-Present Chair, Research and Clinical Policy Review Committee
- 1999-2001 University Representative, Inland Northwest Research Alliance
- 1999-2001 Member, Executive Budget Committee
- 1999-1999 Contributor, Full University Review, Northwest Association of Schools and Colleges (now Northwest Commission on Colleges and Universities)
- 1999-1999 University Representative, NSF EPSCoR National Meeting
- 1997-1997 Member, NCAA Compliance Review Steering Committee
- 1995-1999 University Representative, Partners in Science Program, Research Foundation
- 1995-1997 Member, Intercollegiate Athletic Advisory Committee, Title IX Compliance Plan

### **Department of Geosciences, Boise State University**

- 1999-2001 Chair, Graduate Program Committee
- 1998-1999 Primary Author, Doctor of Philosophy in Geophysics Proposal
- 1987-2001 Coordinator, Geophysics Graduate Program
- 1986-1987 Primary Author, Master of Science in Geophysics Proposal

### **Professional Organizations**

- 2004-2004 Member, Consultation Team, Evaluation of Graduate Programs and Strategy, University of Alaska Anchorage (Council of Graduate Schools, Washington, DC)
- 2002-2004 Associate Editor of Geophysics (Society of Exploration Geophysicists, Tulsa, OK)
- 2001-2004 Chair, Council of Graduate Deans (Inland Northwest Research Alliance, Idaho Falls, ID)
- 1999-1999 Member, Review Panel, Review of Research Competitiveness in Geosciences, University of Kansas (American Association for the Advancement of Science, Washington, DC)
- 1998-1998 Member, Organizing Committee for Annual Meeting of the Idaho Academy of Sciences (Pocatello, ID)

## **TEACHING AWARDS:**

- 1998 Boise State University Alumni Association, Distinguished Faculty Member, Top Ten Scholars Program (Douglas Mitchell student scholar)
- 1997 Finalist, Boise State University Foundation Scholar Award

1985 Boise State University Alumni Association, Distinguished Faculty Member, Top Ten Scholars Program (Daniel Johnson student scholar)

#### **PRESENTATIONS (GRADUATE EDUCATION):**

Pelton, J. R., Delivering graduate courses in subsurface science across eight universities and a DOE national laboratory, invited presentation, Panel: Crossing Institutional and Geographic Boundaries, 46<sup>th</sup> Annual Meeting of the Western Association of Graduate Schools, Phoenix, AZ, March 2004.

Pelton, J. R., A multidisciplinary course in subsurface science—achieving interdisciplinary research in doctoral programs, invited presentation, 45<sup>th</sup> Annual Meeting of the Western Association of Graduate Schools, Salt Lake City, UT, March 2003.

Pelton, J. R., Subsurface science graduate program, invited paper presented at the Second Annual Subsurface Science Symposium, Inland Northwest Research Alliance, Boise, ID, October 2002.

#### **REFEREED PUBLICATIONS:**

Pelton, J. R., Near-surface seismology: surface-based methods, in Butler, D. (Ed.), *Near-Surface Geophysics*, Investigations in Geophysics Series, Society of Exploration Geophysicists, Tulsa, OK, Chapter 8 (invited), in press, 2004.

Pelton, J. R., Near-surface seismology: wave propagation, in Butler, D. (Ed.), *Near-Surface Geophysics*, Investigations in Geophysics Series, Society of Exploration Geophysicists, Tulsa, OK, Chapter 7 (invited), in press, 2004.

Doser, Diane I., Pelton, John R., and Annette M. Veilleux, Earthquakes in the Pamplona zone, Yakutat block, south central Alaska, *Journal of Geophysical Research*, 102, 24,499-24,511, 1997.

Stephenson, W. J., Smith, R. B., and Pelton, J. R., A high-resolution seismic reflection and gravity survey of quaternary deformation across the Wasatch fault, Utah, *Journal of Geophysical Research*, 98, 8211-8223, 1993.

Parker, J. C., Jr., Pelton, J. R., and M. E. Dougherty, A versatile shotgun source for engineering and groundwater seismic surveys, *Geophysics*, 58, 1511-1516, 1993.

Pelton, J. R., Vincent, R. J., and N. J. Anderson, Microearthquakes in the Middle Butte/East Butte area, Eastern Snake River Plain, Idaho, *Bulletin of the Seismological Society of America*, 80, 209-212, 1990.

Pelton, J. R., Astrue, M. C., Lee, W. H. K., and R. A. Page, A computer-based system for interactive processing of earthquake seismograms recorded on microfilm, *Bulletin of the Seismological Society of America*, 75, 1209-1210, 1985.

Pelton, J. R., Meissner, C. W., and K. D. Smith, Eyewitness account of normal surface faulting, *Bulletin of the Seismological Society of America*, 74, 1083-1089, 1984.

- Pelton, J. R., and R. B. Smith, Contemporary vertical surface displacements in Yellowstone National Park, *Journal of Geophysical Research*, 87, 2745-2761, 1982.
- Pelton, J. R., and R. B. Smith, Recent crustal uplift in Yellowstone National Park, *Science*, 206, 1179-1182, 1979.
- Smith, R. B., Shuey, R. T., Pelton, J. R., and J. P. Bailey, Yellowstone hot spot: contemporary tectonics and crustal properties from earthquake and aeromagnetic data, *Journal of Geophysical Research*, 82, 3665-3676, 1977.
- Smith, R. B., Pelton, J. R., and J. D. Love, Seismicity and the possibility of earthquake related landslides in the Teton-Gros Ventre-Jackson Hole area, Wyoming, *Contributions to Geology*, University of Wyoming, 14, 57-64, 1976.