

BIOGRAPHICAL SKETCH

Jeffrey B. Mitton

Department of Ecology and Evolutionary Biology,
University of Colorado
Boulder, CO 80309

Education, Training and Professional Experience

B.A., Biology, University of Connecticut, 1969

Ph.D., Ecology and Evolution, State University of New York at Stony Brook, 1973

Doctoral Thesis Advisor: Dr. Richard K. Koehn, University of Utah

N.I.H. Postdoctoral Fellow, Department of Genetics, University of California at Davis; 1973-1974

Post Doctoral Sponsor: Dr. Robert W. Allard, U. C. Davis

Assistant Professor 1974-1979; Associate Professor 1979-1985; Professor 1986 to present

Visiting Scientist, Marine Biological Laboratory, Woods Hole, Massachusetts, 1980-1981.

Visiting Scientist, Hopkins Marine Station, Pacific Grove, California, 1989-1990.

Visiting Scientist, Brown University, Providence, RI, 2000

Chair, Department of Ecology and Evolutionary Biology, 2004 to present

Honors and National Service

John Simon Guggenheim Memorial Fellowship, 1983-1984.

American Association for the Advancement of Science Fellow 1988.

Secretary, Society for the Study of Evolution, 1982-1984

Executive Vice President, Society for the Study of
Evolution, 1985-1988

Book Review Editor, *Evolution*, 1985-1988

Associate Editor, *Silvae Genetica*, 1986-present

Vice President, Society for the Study of Evolution, 1993

Smithsonian Scholarly Studies Program Panel Member, 1994-1995

Treasurer, American Society of Naturalists, 1996-1998

2 books, 141 reviewed publications, 175 newspaper columns, 1972 to present

10 Representative Publications

Betancourt, J. L., W. S. Schuster, J. B. Mitton, and R. S. Anderson. 1991. Fossil and genetic history of a pinyon pine (*Pinus edulis*) isolate. *Ecology* 72: 1685-1697.

Mitton, J. B. 1994. Molecular approaches to population biology. *Annu. Rev. Ecol. Syst.* 25: 45-69.

Mitton, J. B. 1997. *Selection in Natural Populations*. Oxford University Press, New York.

Latta, R. G. and J. B. Mitton. 1999. Historical separation and present gene flow through a zone of secondary contact in ponderosa pine. *Evolution* 53: 769-776.

Mitton, J. B., B. R. Kreiser, and R. G. Latta. 2000. Glacial refugia of limber pine (*Pinus flexilis* James) inferred from the population structure of mitochondrial DNA. *Mol. Ecol.* 9: 91-97.

Latta, R. G., Y. B. Linhart and J. B. Mitton. 2001. Cytonuclear disequilibrium and genetic drift in a natural population of ponderosa pine. *Genetics* 158: 843-850.

Mitton, J. B. and K. L. Duran. 2004. Genetic variation in piñon pine, *Pinus edulis*, associated with summer precipitation. *Mol. Ecol.* 13: 1259-1264.

Terranova, M. S., S. Lo Brutto, M. Arculeo, and J. B. Mitton. 2006. Population structure of *Brachidontes pharaonis* (P. Fisher, 1870) (Bivalvia, Mytilidae) in the Mediterranean Sea, and evolution of a novel mtDNA polymorphism. *Mar. Biol.* 150: 89-101.

Terranova, M. S., S. Lo Brutto, M. Arculeo, and J. B. Mitton. 2007. A mitochondrial phylogeography of *Brachidontes variabilis* (Bivalvia: Mytilidae) reveals three cryptic species. *J. Zool. Syst. Evol. Res.* 45: 289-298.

Jason W. Sahl, Raleigh Schmidt, Elizabeth D. Swanner, Kevin W. Mandernack, Alexis S. Templeton, Thomas L. Kieft, Richard L. Smith, William E. Sanford, Robert L. Callaghan, Jeffrey B. Mitton, and John R. Spear 2007. Subsurface Microbial Diversity in Deep Granitic Fracture Water, Colorado, USA. *Appl. Environ. Microbiol.* 74 (1): 143-152.

Synergistic Activities: Columns in the Boulder Daily Camera

For eight years I have been writing a column for the Boulder Daily Camera, entitled "Natural Selections." Each column is approximately 520 words, and presents some aspect of natural history, usually with a lesson on natural selection or evolution woven in. I submit one of my own photos to illustrate the subject of each column. I am now revising these and compiling them into a book.

Doctoral Students (Year of graduation and present position)

Dr. Benjamin Pierce. 1980. Professor, Baylor University

Dr. Kareen Sturgeon. 1980. Professor, Linfield College

Dr. Bruce Byers. 1981. Fulbright Fellow, Zimbabwe.

Dr. Thomas Kocher. 1985. Professor, University of New Hampshire

Dr. Michael Farris. 1986. Associate Professor, Hamline University

Dr. William Schuster. 1988. Director, Black Rock Forest (Columbia University)

Dr. Daphne Rainey-Foreman. 1989. Research Scientist, Wageningen University, Netherlands

Dr. Hans-Peter Stutz. 1990. Federal Forest Biologist, Zürich, Switzerland

Dr. Patrick Carter. 1992. Associate Professor, Washington State University

Dr. Hsiu-Ping Liu. 1994. Research Assistant Professor, Denver University

Dr. Robert Latta. 1996. Associate Professor, Dalhousie University.

Dr. Scott Kelley. 1998. Associate Professor, California State University at San Diego

Dr. Brian Kreiser. 1999. Associate Professor, University of Southern Mississippi.

Dr. Kristy Duran. 2004. Assistant Professor, Mesa State College