

Brian J. Cooper
Associate Professor and Geology Program Coordinator
Department of Geography and Geology
College of Arts and Sciences

Degrees Earned

Ph.D. in Geology, Virginia Polytechnic Institute and State University, 1988

M.S. in Geology, Virginia Polytechnic Institute and State University, 1978

B.A. in Geology, University of California at Santa Barbara, 1976

B.A. in Mathematics, University of California at Santa Barbara, 1976

Peer-Review Publications and Artistic Performances/Exhibitions

Articles

Cooper, B.J., G.V. Gibbs, and F.K. Ross, 1981, *The effects of heating and dehydration on the crystal structure of hemimorphite up to 600°C*. *Zeitschrift für Kristallographie*, 156, 305-321.

Speer, A.J. and Cooper, B.J., 1982, *Crystal structure of synthetic hafnon, HfSiO₄: comparison with zircon and the actinide orthosilicates*. *American Mineralogist*, 67, 804-808.

Seal, R.R., Cooper, B.J., and Craig, J.R., 1985, *Anisotropic sphalerite of the Elmwood-Gordonsville deposits, Tennessee*. *Canadian Mineralogist*, 23, 83-88.

Netoff, Dennis I., Brian J. Cooper, and Ralph R. Shroba; 1995, *Giant Sandstone Weathering Pits Near Cookie Jar Butte, Southeastern Utah*. C. van Riper III, ed., *Proceedings of the Second Biennial Conference on Research in Colorado Plateau National Parks*, p. 25-53. *National Park Service Transactions and Proceedings Series NPS/NRNAU/NRTP-95/11*.

Books

Cooper, B., Torrez, B., and Netoff, D., 1998, *Physical Geology Laboratory Manual*, The Advertising Agency, Huntsville, TX.

Baldwin, C., Cooper, B., Netoff, D., and Torrez, B., 2006, *Geologic Hazards and Resources Laboratory Manual*, The Advertising Agency, Huntsville, TX.

Peer-Review Presentations/Posters

1. National/International

Cooper, B.J., 1980, *Calculated maximum birefringence of submicroscopic composite zinc sulfides* (abstr.). Transactions of the American Geophysical Union, 61, 408.

Cooper, B.J., 1985, *Multidirectional twinning and stacking disorder in natural zinc sulfides* (abstr.). Geological Society of America, Annual Meeting, Orlando, Florida, Abstracts with Programs, 17, 552.

Cooper, B.J., 1986, *Chloritoids: dependence of the optical properties upon chemical variation and polytypic intergrowth* (abstr.). Geological Society of America, Annual Meeting, San Antonio, Texas, Abstracts with Programs, 18.

Netoff, Dennis I., Brian J. Cooper, and Ralph R. Shroba; 1994, *Origin and Development of the Giant Sandstone Weathering Pits near Cookie Jar Butte, Southeastern Utah*. Geological Society of America, Rocky Mountain Section, Abstracts with Programs, Volume 26, Number 6.

Cooper, Brian, 2000, *Fluorescent Gypsum Crystals from Houston County, Texas* (abstr.). Geological Society of America, South-Central Section, 34th Annual Meeting, Fayetteville, Arkansas, Program, 32, A-6.

Cooper, B.J. and Gunter, M.E., 2002, *Calculations, observations, and applications of birefringence of natural and cation-exchanged zeolites* (abstr.). Geological Society of America, Annual Meeting, Denver, Colorado, October 29. 2002 Abstracts with Programs, Volume 34, Number 6, page 350.

Torrez, B.D. and Cooper, B.J., 2004, *Using a Field Project in the Arbuckle Mountains to Promote Hypothesis-Based Learning in a Structural Geology Course*. [abstract and poster session], Geological Society of America, Annual Meeting, Denver, Colorado, November 7. 2004 Abstracts with Programs, Volume 36, Number 5, page 164.

Cooper, B.J., 2005, *Modeling Optical Properties* (abstr.) 15th Annual Goldschmidt Conference, Moscow, Idaho, May 25. Abstracts with Programs, Volume 15, page A731. Invited speaker.

2. State

Cooper, Brian, 1987, *Dependence of optical properties on variations in crystal growth* (abstr.). Texas Academy of Science, Annual Meeting, SHSU, Huntsville, Texas, Program, 90, 36.

Cooper, Brian, 1991, *A detailed investigation of metacarbonates in the Packsaddle Schist, Llano County, Texas* (abstr.). Texas Academy of Science, Annual Meeting, SFASU, Nacodoches, Texas, Program, 94, 96.

Cooper, Brian, 1999, *Fluorescent Gypsum Crystals from Houston County, Texas: A preliminary report* (abstr.). Texas Academy of Science, Annual Meeting, Texas Lutheran University, Seguin, Texas, Program, 102, 73.

Work or Professional Experiences

1982--	Sam Houston State University, Geology Program,
1982-1985	Lecturer
1985-1991	Assistant Professor
1991--	Associate Professor
1985-1988	Acting Geology Program Coordinator
1988--	Geology Program Coordinator
1981-1982	Radford University, Geology Department, Instructor
1976-1981	Virginia Polytechnic Institute and State University, Department of Geological Sciences, Teaching Assistant.