

# Walter A. (Bill) Sullivan

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## AREAS OF SPECIALIZATION

Structural geology, plate tectonics, and the tectonic evolution of western North America

## EDUCATION

Ph.D., University of Wyoming, Laramie, Wyo. (2007)  
*Adviser:* Dr. Arthur W. Snoke

M.S., Virginia Tech, Blacksburg, Va. (2003)  
*Adviser:* Dr. Richard D. Law

B.S. *Summa Cum Laude*, Concord University, Athens, W. Va. (2001)  
*Adviser:* Dr. Joseph L. Allen

## POSITIONS HELD

2008–Present: Assistant Professor of Geology, Colby College  
*Courses taught:* Earth and Environment, Structural Geology, Plate Tectonics, and Mountain Belts

2007–2008: Visiting Assistant Professor of Geology, Colby College  
*Courses taught:* Earth and Environment, Structural Geology, and Plate Tectonics

2003–2007: Graduate Teaching Assistant, University of Wyoming  
*Laboratory sections taught:* Physical Geology, Mineralogy, Structural Geology, and Geology Field Camp

2001–2003: Graduate Teaching Assistant, Virginia Tech  
*Laboratory sections taught:* Physical Geology and Resources Geology

## REFEREED JOURNAL ARTICLES

Sullivan, W.A., 2009, Kinematic significance of L tectonites in the footwall of a major terrane-bounding thrust fault, Klamath Mountains, California: *Journal of Structural Geology*, v. 31, p. 1,197–1,211.

Sullivan, W.A., 2008, Significance of transport-parallel strain variations in part of the Raft River shear zone, Raft River Mountains, Utah, USA: *Journal of Structural Geology*, v. 30, p. 138–158.

Sullivan, W.A., and Snoke, A.W., 2007, Comparative anatomy of core-complex development in the northeastern Great Basin, U.S.A.: *Rocky Mountain Geology*, v. 42, p. 1–29.

Sullivan, W.A., and Law, R.D., 2007, Strain path partitioning in the transpressional White Mountain shear zone, California and Nevada: *Journal of Structural Geology*, v. 29, p. 583–598.

Sullivan, W.A., 2006, Structural significance of L tectonites in the eastern-central Laramie Mountains, Wyoming: *Journal of Geology*, v. 114, p. 513–531.

## CONFERENCE ABSTRACTS

Sullivan, W.A., \*Fereday, W., \*Hunt, C.G., \*Jadkowski, M., and \*Schwarz, J.J., 2009, A kinematic reevaluation of the Cheyenne belt: Testing the transpression hypothesis: *Geological Society of America Abstracts with Programs*, v. 41, no. 7, p. 687.

Sullivan, W.A., and Beane, R.J., 2009, Asymmetric quartz crystallographic fabrics produced during constrictional deformation: Geological Society of America Abstracts with Programs, v. 41, no. 3, p. 87.

Sullivan, W.A., 2008, Rheologically driven strain partitioning in the footwall shear zone of a metamorphic core complex, Raft River Mountains, Utah: Geological Society of America Abstracts with Programs, v. 40, no. 6., p. 108.

Sullivan, W.A., 2007, Structural significance of L tectonites in part of the western Hayfork terrane, Klamath Mountains, California: Geological Society of America Abstracts with Programs, v. 39, no. 6, p. 94.

Sullivan, W.A., 2006, L tectonites in the eastern-central Laramie Mountains, Wyoming: EOS Transactions AGU, v. 87, no. 52, Abstract no. T53C-1618.

Sullivan, W.A., and Law, R.D., 2003, Geometry kinematics and age of the northern half of the White Mountain shear zone: Extending the range and duration of Late Cretaceous dextral transpression along the western margin of North America: Geological Society of America Abstracts with Programs, v. 34, no. 7, p. 114.

\*Sullivan, W.A., and Allen, J.L., 2001, Stratigraphy of upper Hinton Formation sandstones in the Bluestone River Gorge, southern West Virginia: Geological Society of America Abstracts with Programs, v. 33, no. 2, p. 77.

\*Bierly L., \*Sullivan, W., \*Tibbits, M., \*Natoli, J., \*Csontos R., \*Meyer, J., \*Nettik, J., \*Dean, R., \*DeArmond, B., \*Gerseny, M., \*Lesmerises, M., \*Pollock, M., Yurkovich, S., Savov, I., Peterson, V., Burr, J., Kruse, S., Schneider, J., Ryan J., 2001, Petrographic and field relations of a portion of the Carroll Knob Mafic/Ultramafic Complex, eastern, Blue Ridge, Macon Co., NC: Geological Society of America Abstracts with Programs, v. 33, no. 2, p. 69.

\*Denotes undergraduate student author

## **INDEPENDENT STUDY PROJECTS SUPERVISED**

2009–10: Andrew McCarthy ('10) "Assessing deformation symmetry by comparing grain-shape and crystallographic fabrics in quartzite mylonites"

2008–09: Caroline Hunt ('09) "Testing the transpression hypothesis: Using a systematic approach to asses qualitative microstructural observations"

2008–09: Jacob Schwarz ('09) "Reconnaissance fabric analyses of quartz mylonites, Medicine Bow Mountains, Cheyenne Belt, Southeastern Wyoming"

## **INVITED TALKS**

2009: "*Significance of transport-parallel strain variations in part of the Raft River shear zone, Raft River Mountains, Utah, U.S.A.*", University of Maine, Orono Depart of Earth Sciences seminar speaker

## **GRANTS AND AWARDS**

2009: *Division of Natural Sciences Grant*, Colby College, \$3000.00

2009: *Journal of Structural Geology Student Author of the Year Award*, Best student paper submitted in 2007, Awarded for: Sullivan, W.A., 2008, Significance of transport-parallel strain variations in part of the Raft River shear zone, Raft River Mountains, Utah

2008: *CBB Mellon Foundation Collaborative Research and Development Grant*, Mellon Foundation, joint award with Dr. Racheal Beane at Bowdoin College, \$5,058.00

2008: *Division of Natural Sciences Grant*, Colby College, \$3030.00

2005: *Geological Society of America Grant in Aid of Research*, Geological Society of America, \$2000.00

2004: *J. David Love Foundation Grant in Aid of Research*, J. David Love Foundation, \$500.00

2004: *Gregg Ranch Foundation Grant in Aid of Research*, Gregg Ranch Foundation, \$500.00

2003: *Sigma Xi Grant in Aid of Research*, Sigma Xi Scientific Society, \$600.00

2002: *White Mountain Research Station Fellowship*, University of California, San Diego, \$2000.00

2002: *David R. Wones Scholarship*, Virginia Tech Department of Geosciences, \$500.00

## **SERVICE TO THE GEOSCIENCES COMMUNITY**

2008–09: Organizational committee member for 2009 Geological Society of America Northeastern Section Meeting

2007–Present: Referee for *Rocky Mountain Geology*, *Geological Society of America Bulletin*, and *Journal of Structural Geology*

## **COLLEGE SERVICE**

2009–10: Member Geology search committee

2009–10: Chair of Information Technology Committee

2008–09: Member of Information Technology Committee

2008–09: Member Dismissal Proceedings Committee

2008–09: Organizer of weekly Faculty Mumble meetings

## **PROFESSIONAL DEVELOPMENT**

2008: *Starting out in Undergraduate Research and Education: A Professional Development Workshop for Young Faculty*, Cosponsored by Council on Undergraduate Research and National Association of Geoscience Teachers, held at the Geological Society of America national meeting

2008: *Workshop in Texture and Microstructural Analysis using Computer Integrated Polarizing Microscopy*, Presented by Dr. Renee Heilbronner, held at Massachusetts Institute of Technology

2006: *Integrated Solid Earth Sciences (ISES) Summer School in Rheology of Earth Materials*, Organized by Dr. Basel Tikoff and Dr. Christine Sidoway, held at Colorado College

2003: *University of Wyoming Graduate Teaching Assistant Orientation*, University of Wyoming

2001: *Virginia Tech Graduate Teaching Assistant Workshop*, Virginia Tech