

# GEOLOGY & GEOPHYSICS LIBRARY

Marie Dvorzak

After more than three years of preparation and work, the Geology and Geophysics Library is now resettled in both its new, additional space, and the completely renovated space which has new carpeting, ceilings, lights, paint and some new furniture.

Patrons and staff are enjoying the attractive, updated space. Students and faculty have been particularly enthusiastic about the two new group study rooms which have already been used for a variety of activities such as lab projects and small discussion groups. Do stop by and view the library when you get a chance.

While the physical space has been the major focus of library activities this year, there is another project that is of long term interest. The University of Wisconsin libraries have begun to scan older Wisconsin geology material.

Because of its importance, the first title digitized is the

*Geology of Wisconsin, Survey of 1873-1879*, produced under the leadership of T.C. Chamberlin. These four volumes have more than 3,000 pages of text, color lithographs, engravings and maps that comprehensively illustrate the knowledge of the geology and natural history of Wisconsin in the late 1900s. They are now available on-line at: <http://digital.library.wisc.edu/1711.dl/EcoNatRes.GeologyWI>.

No special software is needed to view the documents; the text is searchable and printable.

The next phase of the project will be to digitize the large atlases accompanying the *Geology of Wisconsin* and David Dale Owen's *Survey of Wisconsin, Minnesota and Iowa from 1852*. These, together with future titles and the original four volumes, will be part of the Ecology and Natural Resources Collection at: <http://webcat.library.wisc.edu:3200/EcoNatRes/About.html>

The entire collection is open to everyone on the internet.

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## Graduate Degrees Awarded for the Academic Year 2003-04

### PhD Degrees

**Scott D. Giorgis**, Tikoff, *Structural Evolution of the Salmon River Suture Zone, Idaho, USA: Implications for the Tectonics of Obliquely Convergent Plate Boundaries*.

**Jeffrey T. Pietras**, Carroll, *High-resolution Sequence Stratigraphy and Strontium Isotope Geochemistry of the Lacustrine Wilkins Peak Member, Eocene Green River Formation, Wyoming, U.S.A.*

**Cheryl L. Waters**, Tikoff, *Structural Geology of a Ten Kilometer Scale Lower Crustal Shear Zone: Mt. Hay Granulites, Central Australia*.

**Haijiang Zhang**, Thurber, *Double-difference Seismic Tomography Method and its Applications*.



Seeking true north: Haijiang Zhang at the San Andreas Fault, October 2002.

### Master's Degrees

**Miriam Barquero-Molina**, Singer, *<sup>40</sup>Ar/<sup>39</sup>Ar Chronology and Paleomagnetism of Ignimbrites and Lavas from the Central Volcanic Zone, Northern Chile and <sup>40</sup>Ar/<sup>39</sup>Ar Chronology of Silicic Ignimbrites from Honduras and Nicaragua*.

**Steve R. Beyer**, Byers, *Stratigraphy, Sedimentology, and K-Bentonite Geochemistry of the Galena Group, Northeastern Iowa, Upper Mississippi Valley*.

**Jessica R. Darter**, Mickelson, *Constraining the Geometry of the Scandinavian Ice Sheet at the Last Glacial Maximum, Nordland, Norway*.

**Melissa A. Harper**, Singer, *<sup>40</sup>Ar/<sup>39</sup>Ar Constraints on the Evolution of the Puyehue-Cordon Caulle Volcanic Complex, Andean Southern Volcanic Zone, Chile*.

**Paul F. Juckem**, Anderson, *Spatial Patterns and Temporal Trends in Groundwater Recharge, Upper Coon Creek Watershed, Southwest Wisconsin*.

**Abby L. McDermott**, Bahr, *Hydrogeologic and Vegetative Gradients across a Wetland Transect in South Central Wisconsin*.

**Selena M. Mederos**, Tikoff, *Timing & Geometry of the Rock Springs (WY)/Douglass Creek (CO) Arch: An Integrated Geological & Geophysical Investigation of Laramide-Style Uplift*.

**Timothy A. Zeichert**, Johnson, *The Evolution of Magmas at a Large Stratocone Volcano, Mount Shasta, N. California*.