Emeritus Faculty News—2009

Mary Anderson

2009 was a momentous year as it marked my retirement from the university in July. In the spring semester, I taught my last course (transport modeling with a bonus section for two students who received extra lectures on flow modeling). I will continue to serve as major advisor to two graduate students until they complete their degrees (**Kallina Dunkle** for the PhD and **Scott Johnson** for the MS). I was thrilled by the surprise appearance of former students **Bill Woessner, Chunmiao Zheng, Marjory Rinaldo-Lee,** and **Charlie Andrews** who traveled long distances to the Department's annual spring banquet where there was a retirement recognition event for me. In-town former students **Ken Bradbury, Bob Nauta, Barb Bickford,** and **Carol McCartney** also attended along with Board of Visitors chair **Tom Johnson** and current hydro students. The hydro students provided a memory album and a beautifully decorated cake, which the group enjoyed. Afterwards some of us gathered at Carol's house for continued merriment. **Charlie Andrews** hosted another retirement reception in my honor in conjunction with the GSA meeting in Portland, Oregon, in October. There was a bounty of wine and food and I was delighted to see many more former hydro students as well as several colleagues there.

The fall was a busy time for travel—to Irvine/Newport Beach, California, for the annual meeting of the National Academy of Engineering, to Portland for GSA, and to New Orleans for the NGWA EXPO, where my PhD advisor, Irwin Remson, received NGWAs highest award. I also attended a one day meeting in Birmingham, England, with UK groundwater modelers. Charles and I took advantage of this opportunity to spend two weeks in England (our first trip there). In addition to Birmingham, we visited London, Stratford upon Avon, Oxford, and Bath. I highly recommend Bath—the restored Roman baths built around the famous springs are absolutely fascinating. My retirement projects include working on a revision of the 1992 textbook with Bill Woessner. I will continue as editor-in-chief of the journal *Ground Water* until the end of 2010. I also have accepted invitations to serve on a multitude of national committees. So, I'll be busy for awhile yet!

The Andersons met with former hydro Badger Xiangxue (Michael) Cheng, on assignment in London for Hess Petroleum. The Chengs provided a wonderful evening and a magnificent dinner at their home in Surrey.

David L. Clark

One advantage of living among Paleozoic-Mesozoic mountains is the opportunity to use conodonts in solving geologic problems. In the central Wasatch Mountains, the Cambrian Maxfield Limestone is unconformably overlain by the Late Devonian Fitchville Dolomite. The missing 150 my interval is said to be the result of tectonic activity that supposedly resulted in the removal of all Late Cambrian to Late Devonian sediment deposited in this area, which during the Paleozoic was close to the western shoreline of North America. I have always been interested in this tectonic event and the erosive power attributed to it. Is it possible that there is no Late Cambrian, Ordovician, Silurian or Early and Middle Devonian sediment remaining in the central Wasatch Mountains?

Because unfossiliferous dolomites are the dominant lithology for the section in question, this summer we used the large sample size technique developed by UW grad **Jeff Kuglitsch** for his study of the Wisconsin Silurian. With the help of BYU graduate student Drew Derenthal and the BYU lab of UW grad **Scott Ritter**, two to four kg samples were taken at closely spaced intervals over a three meter span above and below the unconformity. To-date almost one half of the samples have been processed and our first results indicate the presence of Middle Devonian and possibly older Paleozoic rocks that until now have been assigned to the Middle Cambrian Maxfield Limestone. While I am still hoping to find Ordovician, our first results already modify the accepted interpretation of this Wasatch unconformity.

Also, in 2009, the University of Utah Press published my research concerning one of my great great grandfather's activities extending from New York to Utah (1810-1900). Interesting things happen even after retirement!

This year I also had contact with my former grads **Cam Mosher, Dennis Darby, Tom Morris,** and **Dan Lehrman** and brief visits with **Gary Gianniny and Jeff Keith**. Also, I have had continuous support with the Maxfield project from UW grad **Bart Kowallis**, who currently is Associate Dean of the BYU College of Physical and Mathematical Sciences.

Robert H. Dott, Jr.

I continued enjoying retirement by writing personal reminiscences, visiting grandchildren, participating in various community events, and pursuing limited geological activities. **Gordon Medaris** and I continued our research on various Baraboo rocks and encountered some new complexities. It was my great pleasure to be citationist for Gordon's receipt of the Goldich Medal of the Institute of Lake Superior Geology in May for his many contributions to understanding the Precambrian of the Lake Superior region (see page 12). I keep getting invitations to speak about Wisconsin geology to various lay groups and to lead field trips for other such groups. The audiences are always very appreciative, proving the innate appeal of geology. It is too bad that most people do not discover this until after college. I continue as Chair of the Wisconsin Survey's Geological Mapping Committee.

Nancy and I enjoyed a trip to Nicaragua in February with a small group of Friends of the UW Arboretum. We learned a lot about sustainable agriculture, especially in the growing and processing of coffee. We now appreciate more the cost of the stuff after seeing how labor intensive the proper raising of it is. It was, of course, of great interest for me to be in the midst of an active volcanic arc with a deep trench just offshore. In July we hosted a family reunion on the Oregon Coast near Coos Bay, where **Marjorie Chan** (PhD 1982) and I had done a lot of research.

Ian Dalziel, my long-time friend and former colleague in the Department (1963-66), came to town in September to join in the preparation of a joint talk for the upcoming Geological Society of America national meeting in Portland, Oregon. We had been invited to talk about Darwin in southern South America as part of a symposium recognizing Charles Darwin's important contributions to geology early in his career. This and other sessions at the meeting, were occasioned by 2009 being the 200th anniversary of his birth. We based our talk upon our own