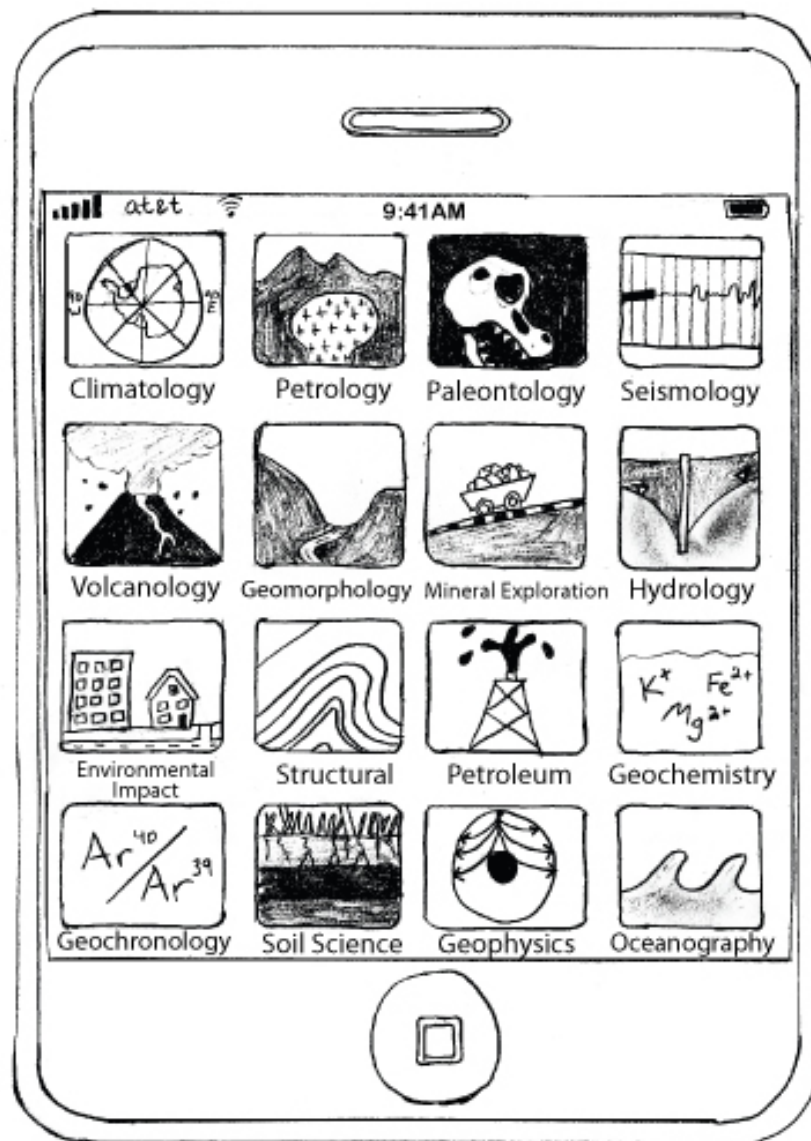


Carleton Geology Newsletter

Volume XXXIV

2009



We have more apps.

Published By
The Department of Geology
Carleton College
Northfield, MN 55057

The cover drawing is the 2009 Geology T-shirt design by Kirke Anderson-Elsass '09, representing a geologic iPhone listing 16 geology specialties as applications or “apps.”

The Carleton Geology Newsletter is edited by Timothy Vick.
Layout by Ellen Haberoth.

Photo Submissions:

Pictures submitted to the Newsletter can be either in traditional print or electronic formats, but electronic pictures should be medium to high resolution in order to reproduce well on paper.

The file size of electronic pictures should be several hundred KB or more.

If you have a change of address or other correction to our address list you may edit it yourself and make sure your listing is done the way you prefer at
<http://apps.carleton.edu/alumni/directory/>

If you have forgotten your username or password call the Alumni Affairs Office at 1-800-729-2586.

Or

You may notify:
Alumni Records
Carleton College
Northfield, MN 55057
(507) 222-4195
E-mail: addresses@carleton.edu

Department of Geology
Carleton College
Northfield, Minnesota 55057

June 10, 2009

Dear Alumni and Friends,

Real winter returned to Northfield during the 2008-2009 academic year with bone-chilling, nasal-freezing temperatures throughout winter term. Bereket Haileab and his family were hit especially hard when they experienced a 120°F swing in temperature upon their return from Tanzania in January. “Hmm, where did we put those coats?” Now that there are leaves on the trees and temperatures (barely) into the 60’s, it can mean only one thing: graduation. This Saturday we are proud to have seventeen geology majors collecting diplomas. Please go to our website to see the amazing array of topics they did for their Comps. We are also excited about the group of geologists coming up behind them. We have a vibrant group of twenty-eight juniors, and twenty-one recently declared sophomores. Yes, they will keep us hopping next year.

Thanks to Bereket’s sabbatical, our department was allowed to hire two people this year to help with courses. In the fall, Bryn Benford, a structural geologist from the University of Wisconsin, taught two sections of Introduction to Geology. This spring, Scott Hynek ’01, now at the University of Utah finishing up his Ph.D. in isotope geochemistry, returned to Carleton to teach two sections of “Intro.” Both did a fabulous job. In fact, Bryn enjoyed it so much she will return again next year in the spring to teach “Intro” for us. We also will be welcoming Paul Riley, another structural geologist from Wisconsin, to teach Tectonics in the winter and Kevin Uno ’01 from Utah to teach “Intro” in the fall.

It’s looking like a somewhat crazy year ahead with Sarah Titus going on a pre-tenure sabbatical to write up her work on the San Andreas Fault, and continue to develop her work on ophiolites in Cyprus. Mary Savina’s role is also changing next year. She is postponing her long overdue sabbatical in order to start a new three-year position at Carleton as our assessment czar. She will teach half time in the Geology Department, and the rest of her time will be devoted to working on assessment strategies for the college as a whole. Clint Cowan is busy gearing up for the inaugural year of the New Zealand off-campus studies program and will be taking twenty-one students to the North and South Islands this winter. In addition, Clint and Tyler Mackey ’08, this past year’s 5th year intern, have made great progress on a paper on unique structures in local sandstones that suggest ice at the equator in the Cambrian. For myself, I leave in about four hours for the airport to head up to Southeast Alaska for a month working with Karl Wirth (Macalester), Tim White (Penn State) and nine students (including two Carls) as part of a Keck Geology Consortium project on the greenhouse to icehouse transition at high latitudes as recorded in the Paleogene Kootznahoo Formation. Should be fun!

Ellen Haberoth and Tim Vick continue to keep the department running smoothly, and I thank them for all their help throughout the year.

Please keep sending in your news and accomplishments; we love to hear from you, and may you find peace and tranquility in the coming year.

Sincerely Yours,



Associate Professor and Chair

DEPARTMENTAL NEWS

Cam Davidson Promoted To Full Professor

We are delighted to announce that Cameron Davidson is being promoted to full professor as of September 1 - congratulations Cam!

Cam has taught geology at Carleton since 2002. His courses have included Mineralogy, Petrology, Structural Geology, Environmental and Science Policy, Introductory Geology, and the off-campus program in Italy.

Cam earned his B.S. in Geology and Geophysics at the University of Wisconsin - Madison and his Masters and Ph.D. at Princeton. Cam actually came to us from Beloit College in Wisconsin where he taught for seven years and was tenured. His fields of specialization are metamorphic petrology, structural geology and tectonics, and his current research interests include the metamorphic and structural evolution of the middle and deep crust during mountain building and the tectonic evolution of southern and southeastern Alaska and northern British Columbia.

Scott Hynek '01 Teaches Introductory Geology

We'd like to extend thanks to Scott Hynek '01 who returned Spring Term to teach two sections of Introductory Geology.

Scott has been working on his Ph.D. at the University of Utah the past few years. His masters thesis, also done at Utah, was entitled "Middle Eocene Depositional Systems of Western Wyoming." His Ph.D. thesis is entitled "Geochemical Studies of Continental Environments Past and Present."

Along the way Scott has accumulated a wide variety of teaching experiences, including a couple of stints working with elementary school children in fourth through sixth grades, in addition to an impressive list of professional publications.

Thanks again Scott, and best wishes for your future successful endeavors!

Clint Cowan '83 Leading Alumni Sailing Adventure In Atlantic Canada

We're excited to announce that Clint Cowan '83 is leading an Alumni Adventures trip to Atlantic Canada this summer: Sailing Newfoundland's Fjords, Bays, and Tickle. Clint did his Ph.D. research in western Newfoundland. It is uncertain how much geology the group will actually get to do, but possibilities include walking and kayaking along the coastline and hiking in the freshwater fjordland. There is also a chance for a hike up an ophiolite! The scenery is breathtaking, and the sailing ship is a destination in and of itself.

Cam Davidson Leading Research In Alaska And Summer Science Institute

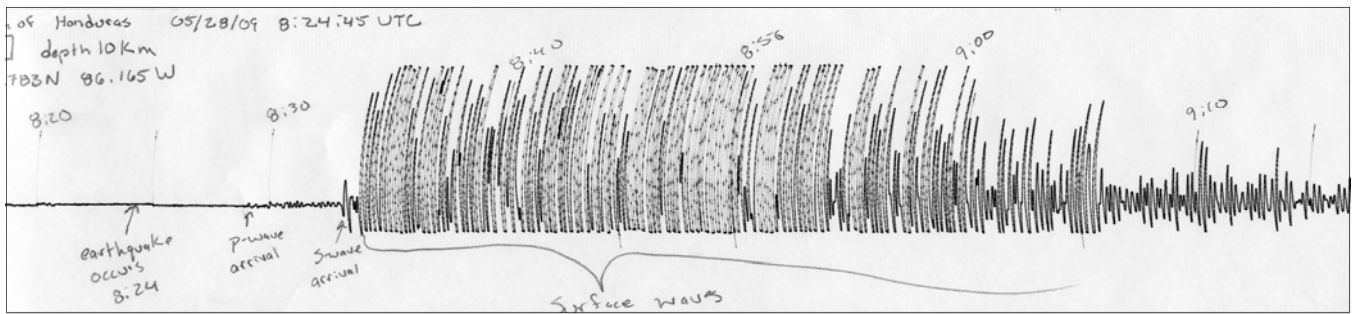
Cam Davidson, Associate Professor of Geology, has been awarded one of eight undergraduate research program grants for the summer of 2009 from the Keck Geology Consortium for his proposal, "Exhumation of the Coast Mountains Batholith during the Greenhouse to Icehouse Transition in Southeast Alaska: A Multidisciplinary Study of the Paleogene Kootznahoo Formation."

Cam will lead a party of nine students mapping an area of southeast Alaska during June and July, 2009.

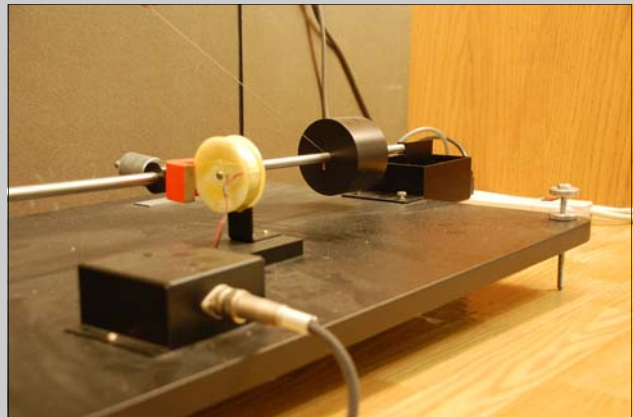
The study will use a multi-disciplinary approach to unravel the depositional history of the Kootznahoo Formation in Southeast Alaska with a specific focus on the exhumation history of the Coast Mountains batholith (CMB), and how high latitudes (~57°N) recorded overall global cooling from the Paleocene-Eocene thermal maximum (PETM) through the Eocene-Oligocene transition to the present icehouse state.

Later in the summer, Cam is directing the Carleton Summer Science Institute, a three-week program for high school juniors and seniors eager to try out the world of college-level science.

The students will spend their mornings attending week-long courses in scientific disciplines including animal behavior, geology and biology. Afternoons will be devoted to research projects in which each participant will self-select into a research group of 10 to 12 students. Together with their research group, the students will take three courses by the end of



Here is one of many earthquake records we recorded this year on our seismograph in one of the Mudd Hall display cases. This quake, magnitude 7.1 centered north of Honduras, occurred at 8:24 Universal Time on May 28, 2009. The epicenter was 10 km deep according to the USGS. The large waves which kept the needle pegged for half an hour are surface waves; the more interesting waves are the relatively low amplitude first arrivals of p- and s-waves which happened in the first 10 minutes after the earthquake (marked at left on the trace). Our student seismologist this year was Tiffany Cox '10, who had the benefit of having participated in a seismology Research Experience For Undergraduates (REU) at the University of Alaska last summer. REUs are increasingly popular off-campus experiences for Carleton's science students, and they are funded by the National Science Foundation. The photo at right shows the business end of the seismograph's horizontal pendulum arm with the pickup electronics.



the program, and will have the opportunity to participate in forums and informal discussions about emerging questions in science, ethics, public policy, science writing, and other topics of interest.

***Sarah Titus Quoted In
SCIENCE Magazine***
Excerpted From SCIENCE

Although many research universities care about teaching, faculty members always know that research is the key to getting tenure. But faculty members at liberal arts colleges face a constant challenge to find the elusive sweet spot that combines innovative and successful teaching with modest but productive research, according to an article published last summer in SCIENCE.

“Teaching really is the number-one goal,” says Sarah Titus, a second-year faculty member in the geology department at Carleton College in Northfield, Minnesota. Many schools, including Carleton, emphasize the educational benefit of research to their students. “They’re really happy if you can involve students in your research,” she says.

The story, datelined June 27, 2008, was entitled “Liberal Arts College Faculty: Finding the Sweet Spot.”

***Bryn Benford Teaches
Introductory Geology***

We'd like to extend thanks to Bryn Benford, who taught some of our Introductory Geology sections during fall term.

Bryn is a graduate student in geology studying under the direction of Basil Tikoff at the University of Wisconsin - Madison, with her research centering on tectonics and structural geology. One of her recent publications is:

Tickoff, B., Benford, B., and Giorgis, S., 2008, Lithospheric control on the initiation of the Yellowstone hotspot: Chronic reactivation of lithospheric scars. *International Geology Review* 50:305-324.

Bryn is a graduate of Franklin and Marshall College and a track and field athlete with lots of experience in jumps, throwing and running half-marathons. Thanks Bryn!

Carleton Geology People Present Research At GSA And AGU

The following people presented papers in technical sessions at the annual meeting of the Geological Society of America in Houston, TX in October. Carleton employees are indicated in bold face type, and students and alums are indicated with their class years.

Alexandros Konstantinou, Karl R. Wirth, John P. Craddock, **Cameron Davidson** and Jeffrey Vervoort. "Origin of Lake Superior Region Early Paleozoic Super-Mature Quartz Arenites: Evidence from U-Pb Detrital Zircon Ages"

Alexandros Konstantinou, Karl R. Wirth, John P. Craddock, **Cameron Davidson**, Jeffrey Vervoort. "Origin of Lake Superior Region Early Paleozoic Super-Mature Quartz Arenites: Evidence from U-Pb Detrital Zircon Ages"

Kim A. Kastens, **Cathryn A. Manduca**, Cinzia Cervato, Robert Frodeman, Charles Goodwin, Lynn S. Liben, David W. Mogk, Timothy C. Spangler, Neil Stillings, and **Sarah Titus**. "Synthesizing Research on Thinking and Learning in the Geosciences: An Interdisciplinary Collaborative Project"

Sarah Titus, Joshua R. Davis, Eric C. Ferre, and Basil Tikoff. "Quantifying Strain across a Paleotransform Fault Using Incremental Deformation, Bogota Peninsula, New Caledonia"

Mark Dyson '07, **Sarah Titus**, Charles DeMets, and Basil Tikoff. "Comparing Geologic and Geodetic Patterns of Deformation across the San Andreas Fault System in Central California"

Kim A. Kastens, **Cathryn A. Manduca**, Cinzia Cervato, Robert Frodeman Charles Goodwin, Lynn S. Liben, David W. Mogk, Timothy C. Spangler, Neil Stillings, and **Sarah Titus**, "Synthesizing Research on Thinking and Learning in the Geosciences: An Interdisciplinary Collaborative Project"

Karin Kirk, R. Mark Leckie, **Cathryn A. Manduca**, **Carol J. Ormand '89**, Susan M. Buhr, Stephen J. Reynolds. "Teaching with New Tools: On-Line Data, Visualizations, Models"

Cathryn A. Manduca, Dedre Gentner, Mark P. Holden, **Carol J. Ormand '89**, Benjamin Jee, Bradley B. Sageman, Thomas F. Shipley, Basil Tikoff and David H. Utta. "Geoscience Perception: Expert and Novice Experience of Graphs, Outcrops, and Landscapes"

Cathryn A. Manduca, R. Heather Macdonald '76, P. Geoffrey Feiss, Randall M. Richardson, Timothy J. Bralower, Carolyn H. Eyles and **Carol J. Ormand '89**. "Geoscience Departments and the Workforce: Bringing Together Student Interests and Industry Needs"

R. Heather Macdonald '76, Richelle M. Allen-King, Robyn Wright Dunbar, **Cathryn A. Manduca** and **Carol J. Ormand '89**. "A Course of One's Own: Issues, Challenges, and Resources for Graduate Students, Postdoctoral Fellows, and Early Career Faculty"

Carol J. Ormand '89, **Karin Kirk**, R. Heather Macdonald '76, **Cathryn Manduca** and Barbara Tewksbury. "New Online Resources for Teaching Introductory-Level Geoscience Courses"

Cathryn Manduca, Carol Ormand and Karin Kirk are staff members of the Science Education Resource Center at Carleton College.

2008 American Geophysical Union meeting in San Francisco, California

Tyler Mackey '08, A. C. Runkel, **Clint Cowan '83**, D.L. Fox. "Ice at the Late Cambrian Equator: Climate Extremes During a Greenhouse Earth and the Last Gasp of Proterozoic-like Conditions."

Savina, Mary E. '74, "Carleton College: Geoscience Education for the Liberal Arts and the Geoscience Profession"

Professional Talks Given In The Geology Department This Year

Professional and technical talks given in the Geology Department this year included:

Darren Gravley, University of Auckland, New Zealand: "Frontiers Abroad - Earth & Environmental Semester Abroad Programmes in New Zealand."

Robb Jacobson '79 - "Water Wars on the Big Muddy: Re-engineering the Lower Missouri River for Ecosystem Recovery"

Greg Dick - "Geomicrobiology: bugs that make, eat, and breathe rocks"

John Lufkin '62 - "Costa Rica: Geology, Sea Turtles, and Leafcutter Ants"

Alison Anders '99 - "The co-evolution of precipitation patterns and topography"

Fred W. Schroeder, ExxonMobil Corp. – Four hour short course on petroleum geology

John Lufkin '62 - "Costa Rica: Geology, Sea Turtles, and Leafcutter Ants"

Brian Bagley, University of Minnesota – "Seismology and the Search for Melt in the Mantle"

Rory McFadden, University of Minnesota - "Detachment tectonics in the Fosdick Mountains, West Antarctica"

Brooke White, University of Minnesota - "Lakes: Their regional and global importance and Efforts to understand the biggest lake of all"

Ben Hardt, University of Minnesota, "Changes in seasonal precipitation through time recorded by stalagmites in West Virginia caves"

George Davis, University of Arizona, "Geoarchaeology of the Sanctuary of Zeus, Mt. Lykaion (Peloponnese)"

Tim White, Penn State University, "Paleosol-based reconstructions of greenhouse atmospheric hydrology and implications to the amalgamation of Alaska"

Don Frost '83, Skadden, Arps, Slate, Meagher & Flom LLP, "240,000 gallons of jet fuel under the tarmac at JFK -- the saga of how the central cleanup questions of Why, What, How and Who were addressed over a decade of wrangling" saga of how the central cleanup questions of Why, What, How and Who were addressed over a decade of wrangling"

Duncan Stewart Fellows For '09 - '10 Named

Each year, the geology faculty faces the difficult task of selecting a few students to be Duncan Stewart Fellows. The Duncan Stewart Fellowship was established in 1976 by Daniel Gainey, class of 1949, in honor of Duncan Stewart, professor of geology at Carleton for nearly 25 years.

We select the Stewart Fellows based on a combination of excellence in scholarship, a high level of intellectual curiosity, potential for scientific growth, and involvement in departmental activities. As we make this selection, we realize how fortunate we are to have so many talented, interesting, and impressive students within the department.

We are very pleased to announce that Mark Hagemann, Nate Evenson, Jordan Epstein and Sarah Crump, all class of '10, have been named Duncan Stewart Fellows, extending the number of Stewart Fellows over the years to 97. Congratulations and best wishes to all of you!



Our 2008 fall field trip went up the North Shore of Lake Superior to the Gunflint Trail to visit outcrops of ejecta from the 1.85 billion-year-old Sudbury impact event. Along the way we stopped at Thomson Dam (just south of Duluth), where Cam Davidson used a drawing pad to demonstrate the mechanics of the type of fold which is visible in the rocks the right of him. Sarah Titus is leaning on the axial plane for scale.

Alumni Communications Go Electronic

The Carleton College Geology Department's alumni communications are lurching into the digital age. We've been using email sporadically for quite a few years now, but this year we broke into the world of electronic web-based forms with the roll-out of the electronic version of the traditional Newsletter postcard, so here's an update on its success.

We have been using the paper postcard since the mid-1970s and it's worked well for us. This year we decided to try supplementing the postcard with an electronic form hosted on our web site. This worked spectacularly well, especially after we sent out an email containing a link to the form. Over 130 people have submitted news on the form! Thank you all for taking the trouble, it's a great treat to have all your news and be able to put it in the Newsletter.

The web-based form is clearly the medium that most people prefer; after the email with the link to the form went out, we got a flood of responses from the web form and the flow of alumni news via regular email and paper cards came to an abrupt halt. It's as if people were just waiting for the web form to be developed! The web form has some advantages for us too: alumni responses from the form actually are

converted and come to us as emails and thus can be directed to several people simultaneously. Copies are sent to me [Tim Vick], our departmental Administrative Assistant Ellen Haberoth, the alumni records database people, and Katie Buckner '09 who is doing the compilation of the alumni news. Also, the responses are automatically put into a spreadsheet for easy searching and managing later on.

Another new facet of our alumni communications is our Facebook group entitled "Carleton College Geology." Anyone who is on Facebook is free to join at this point, although at some time in the future we may want to increase security by asking prospective members to submit a request to join. After a little more than a year, the Facebook group has 260 members, a little over a quarter of all of our geology alums.

While the switch to electronic media is increasing in our alumni communications efforts, it actually lags the computer use in our labs which has permeated nearly every activity. But, some things have not changed. When we go out into the field, we are still using manual, non-electronic tools developed long ago such as rock hammers, hydrochloric acid, hand lenses and Brunton compasses. We even tell our students to carry pencils and notebooks! The odd thing is that the students don't seem to notice any dichotomy between the old technology and the new – it's all of a piece somehow.

One of the most popular lab exercises in Mineralogy these days is the M&Ms lab, where people use different-colored M&Ms to simulate fractional crystallization in magmas. The magma reservoir containing various cations is at the bottom of the sheet of paper, and it contains potassium, silicon, iron, magnesium and calcium – just what you'd expect in a magma! As the cations separate out of the melt they combine to form various minerals, represented by clusters of M&Ms in the lined-off and numbered areas at the far end of the sheet of paper. Somehow, the cation M&Ms all seem to disappear by the end of the lab... Clockwise from the right are Colin Sinclair, Noah Randolph-Flagg and Ben Parks, all class of '11.



Carleton Network For Lesbian, Gay, Bisexual And Transgender Geology and Natural History Alums

The Carleton Network For Lesbian, Gay, Bisexual and Transgender Geology And Natural History Alums provides students and alums with career information, fellowship and support. It was founded in 1990 and now has 41 members coast to coast.

The network has the twin objectives of helping reduce isolation among alums and working toward a more open, accepting and informative environment on campus for students in geology and related fields.

The network consists of a confidential list of names and addresses, circulated only to members of the network, maintained by Marilyn Yohe '88, Dan Spencer '79, and Tim Vick (Geology Department staff member). Inquiries about joining may be addressed to any of them.

LGBT folks might also be interested in the general alumni group called Out After Carleton (OAC). Full information about OAC is available through www.carleton.edu in the alumni section.

Joe Harten '85 Donates Rock Collection

We would like to express a special thanks to Joe Harten '85, who was a history and political economy major, for the donation of a very nice set of rocks and minerals that had been collected by a great-uncle who happened to be an avid amateur geologist. The collection included a number of very nice specimens which will be added to the Dana Mineral Set or used as classroom specimens.

The collection contained minerals such as apatite, barite, fluorite and staurolite as well as some geodes and fossils.

Thanks Joe, we appreciate your gift very much!

Geology Department T-shirts Available By Mail Special Two-For-One Deal!

We have a supply of geology T-shirts available that can be purchased by mail. The cost for current year shirts is \$10 plus \$4 postage payable to Carleton College. Prior years' shirts can be had for \$5 each plus postage.

The 2009 shirt is black with light blue ink. On the front is a breast patch saying Carleton College Geology Department 2008, and on the back is a large geologic iPhone design listing 16 geologic specialties with the inscription, "We have more apps." Available sizes at the time of this writing are S, M, L and XL.

The 2008 shirt is a light tan or beige color ("sand" according to the suppliers) with the globe/Brunton design shown on the cover of this Newsletter done in dark maroon ink. It is quite a classy shirt. At this writing, only one XL is left.

There is also a timeless (and priceless!) special shirt for families with multiple generations attending Carleton. The shirt features a diagram of the interior of the Earth with the core labeled Carleton Faculty, and the layers going upwards toward the surface being Post Docs, Graduate Students, Seniors, Juniors and Sophomores; the blebs of magma (which melted off the subducting plate) rising toward the surface are "Children that go to Carleton." It is cardinal red with white ink. Sizes available include S, M and L.

The 2006 shirt is dark blue with white ink. On the front it says "Carleton Geology 2006," and on the back it says "The Dark Crystal... Trial By Stone" with a picture of a quartz crystal. The only size of this one left are mediums.

We still have some 2002 shirts left, which are light blue with black ink, with a picture of a trilobite and saying "Hoc animal maxime placet," which translates to "This is my favorite animal." L and XL are available. These shirts have been here entirely too long so for each copy of the other shirts listed above that you order, I will include one of these 2002 shirts **free of charge!**

Email Tim Vick at tvick@carleton.edu or give him a phone call at (507) 222-4401 to find out whether your size is still in stock.

Class of 2009 Geology Majors

Kirke Anderson Elsass, Madison, WI
 Jonathan Aronson, Little Rock, AR
 Kathryn Buckner, Inman, SC
 Kort Butler, Amherst Junction, WI
 Lauren Colwell, Saint Paul, MN
 Tiffany Cox, Farmer City, IL
 Aaron Fricke, Kalispell, MT
 Mary Henke-Haney, Saint Paul, MN
 Justin LaMont, Scarsdale, NY
 Dylan Linet, New Paltz, NY
 Jessica Marks, New Berlin, WI
 Maija Sipola, Babbitt, MN
 Kristin Sweeney, Portland, OR
 Phillip Varela, Saint Paul, MN
 Elizabeth Webb, Waterville, ME

Class of 2010 Geology Majors

Lila Battis, Cary, NC
 Laura Bazzetta, Waukesha, WI
 James Bethune, Portland, OR
 Sarah Crump, Marshfield, WI
 Travis Drake, Portland, OR
 Kimberly Elson, Davis, CA
 Jordan Epstein, Los Altos Hills, CA
 Nathan Evenson, Saint Joseph, MN
 Neil Foley, Winchester, MA
 Mark Hagemann, Hurley, WI
 Lauren Howell, Newton, CT
 Zachary Montes, Seattle, WA
 Michael Mooney, Montclair, NJ
 Allison Pfeiffer, Seattle, WA
 Nathaniel Ryan, Wallingford, PA
 Allison Schwartz, Milwaukee, WI
 Julia Schwarz, Seattle, WA
 Chelsea Scott, Bryn Mawr, PA
 Mahima Swarup, Kolkata, INDIA
 Stuart Sweeney Smith, Bemidji, MN
 Allison Vitkus, Shaker Heights, OR
 Sibow Wang, Hamden, CT

2009 Awards

(All are class of '09 unless otherwise indicated)

Mortar Board

Nathan Evenson '10

Phi Beta Kappa

Lauren Colwell

Aaron Fricke

Katie Marks

Kristin Sweeney

Distinction In Comps

Mary Henke-Haney

Kristin Sweeney

Sigma Xi

Katie Buckner

Lauren Colwell

Tiffany Cox

Aaron Fricke

Kristin Sweeney

Elizabeth Webb

National Science Foundation Fellowship

Kendra Murray '07

Trina Vithayathil '98

Duncan Stewart Fellows

Nate Evenson '10

Sarah Crump '10

Jordan Epstein '10

Mark Hageman '10

Student Departmental Advisors

Sibow Wang '10

Neil Foley '10

Carleton Science Fellowship

Allisa Morson '11

Class of 1963 Fellowship

Sam Kanner '10

Mike Ewers Award –

MN Space Grant Consortium

Lauren Howell '10

Initiative for Service Internships in

International Development

Sophie Williams '10



The spring field trip this year went to Michigan's Upper Peninsula near Marquette. In the upper photo, we visited a quarry to look closely at the Kona Dolomite. From left are Julia Schwarz and Neil Foley, both '10, and faculty member Sarah Titus. Below, Scott Hynek '01 leads the discussion on a wonderful glacially polished outcrop of pillow basalt on the beach of Lake Superior in Marquette.



Senior Projects – 2009

Graduating senior geology majors, their hometowns and titles of integrative exercise (“comps”) projects:

Kirke Anderson Elsass, Madison, WI, Hydraulic Conductivity of Pliocene and Pleistocene Sediments in the San Diego Bay Area Subsurface

Jonathan Aronson, Little Rock, AR, Overhauser Magnetometer Survey of Midcontinent Rift Accommodation Zone in Southeastern Minnesota and Implications for Subsurface Structure

Kathryn Buckner, Inman, SC, Timing Development: A New Approach to ANWR

Kort Butler, Amherst Junction, WI, Preliminary Seismic Refraction Survey of the Cannon River Wilderness Park

Lauren Colwell, St. Paul, MN, Evidence for differential Louisville and Emperor-Hawaiian mantle plume motion based on $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology

Tiffany Cox, Farmer City, IL, June 2006 seismic swarm and dike emplacement event beneath the Michoacan-Guanajuato volcanic field, Mexico

Aaron Fricke, Kalispell, MT, Precambrian geologic history of the Gravelly Range, southwest Montana

Mary Henke-Haney, St. Paul, MN, From Formation to Faucet: Groundwater in Southeast Minnesota An Audio Documentary

Justin LaMont, Scarsdale, NY, A Survey of Throughgoing Fractures in Upper Ordovician Carbonate rocks, Goodhue County, Minnesota

Dylan Linet, Northfield, MN, The Spring Creek Project Series: Two geology projects to be taught at the introductory level

J. Katharine Marks, New Berlin, WI, Using major, minor, and trace element geochemistry of melt inclusions to study magma dynamics and evolution at Augustine Volcano, Alaska

Maija Sipola, Babbitt, MN, Geomorphologic and anthropogenic impacts on artifact distribution within the plowzone in the Podere Funghi, Tuscany, Italy

Kristin Sweeney, Portland, OR, Characterization of a Partitioned Section of the Höh Serh Fault System: Mongolian Altai

Phillip Varela, St. Paul, MN, New evidence for reconstructing the marine faunal assemblage of the Decorah Formation (southeastern Minnesota and northeastern Iowa, USA): A qualitative survey of microfossils

Elizabeth Webb, Waterville, ME, Re-mapping the 2004 Boxing Day Tsunami Inundation in the Banda Aceh Region with Attention to Probable Sea Level Rise

Carleton Named One Of The Greenest

Carleton College has been named one of the 25 “greenest” colleges in the United States, according to the recent edition of Kaplan College Guide 2009.

The Kaplan Guide features 25 green private and public colleges from across the nation. The section provides students with a look inside the classroom, around campus, and at student life, while shining a spotlight on what’s good for the globe at each college. The green schools and careers profiles are not rankings. Instead, they give students interested in sustainability and conservation well-researched ideas and a cross-section of options.

Carleton is home to the country’s first college- or university-owned utility-grade wind turbine, the most visible symbol of the College’s commitment to sustainability. This past year, Carleton implemented a single-stream recycling program, composting of food

waste from its dining facilities, and added four hybrid vehicles to its fleet of automobiles. In 2007-08, Carleton implemented a sustainability assistants program, where four Carleton students serve as a resource to provide educational programs and information to students. They also work closely with a Carleton staff mentor in one of four sustainability domains: food and dining; building, grounds, and transportation; energy and carbon neutrality; and campus culture and social sustainability. The College has a well-established environmental and technology studies (ENTS) program and supports student-led sustainability initiatives through a sustainability revolving fund.

Ordovicious Nearly Takes Finals

By Katie Buckner '09, Captain

June 3, 2009-Ordovicious, the Geology Department's Intramural Frisbee team, suffered a close loss (12-13) to Bloodhue (4th Goodhue) on May 29 in an epic battle for the title of IM Champions in the soft core division spring term.

The sun shone on patchy grass and colorful freezy-pops dotted the field on game day when Ordovicious arrived to defend last year's championship.

Ordovicious was aiming for mass extinction of the other team, but Bloodhue came out with a fire that matched Ordo's rock hard tenacity. Both teams swapped the lead throughout the game, Bloodhue up by as much as three at one point, but Ordovicious always came back.

After an hour of play, the hard cap of 13 was set and Ordovicious found itself defending its goal line with the score tied at 12-12.

Tension was at an all time high and Ordovicious focused all of its energy on making an impermeable layer of bodies across the end-zone.

In some of the best defense ever seen on the field, Ordovicious managed to stop four attempts to score and forced a turnover.

Unfortunately, another turnover by Ordovicious gave Bloodhue the second chance they needed to score. While Ordovicious suffered defeat, the level of play in this year's final was exceptional, spirits ran high, and a grand time was had by all.

In the upper photo, Katie Buckner '09 moves the disc out from behind a guard; in the lower photo Jordan Epstein '10 breaks out of the crowd for a dramatic downfield catch.



Eiler Henrickson '43 Has Moved To A New Address

We thought people would be interested in knowing that Eiler Henrickson '43, Professor Emeritus of Geology who taught in our department from 1945 until 1987 and then went on to become chair of the geology department at Colorado College for another decade, has moved into a unit of the Three Links Care Center in Northfield. Eiler's new address is The Cottages, 815 Forest Ave., Northfield, MN 55057.

Twice Bitten By March Madness

By Wendell A. Duffield '63

March 8, 2009:

“Hey couch potato,” Anne said in a voice tinged with impatience. “How about we turn off the TV and go for a walk.”

“Well, okay,” I mumbled unenthusiastically as the ref cancelled an artistic slam-dunk with a call of travelling.

“You’ll get more than enough basketball once the March Madness playoffs get underway,” Anne added, trying to soften my disappointment at leaving an unfinished tied game.

Having played long ago on the Carleton College varsity team, I’m still semi-addicted to vicariously reliving those days by watching the pros and college talent of today. But on this particular warm, wind-free, sunny Sunday afternoon, my wife Anne, our dog Mele, and I set out for a stroll through the forest behind our house in Flagstaff, Arizona. We headed east on a well beaten track, more or less contouring along the base of Elden, a steep-sided, two-thousand-foot-tall dacite lava dome — an impressive backdrop for our home. I brought a digital camera to photograph a massive Alligator Juniper tree that we knew of along this path.

A mile plus later, there we were at the tree whose gnarly five-foot-wide trunk is purported to have lived through more years of history than our nation. After a bit of jockeying, I decided I’d found the right position for the perfect shot, only to discover that the camera’s batteries were dead. In hindsight, this was an omen of what was yet to come. Death and the threat thereof were to be today’s themes.

Rather than head back home, we decided to push on an extra half mile to revisit the site of the mid-1880s homestead of the Elden family, the mountain’s namesake. The place includes a clearing where the Elden cabin once stood, and a nearby spring that was the source of their water, a critically valuable resource in arid Arizona. There is also a lone lonely grave, whose background story is a tragic tale of accidental death of the Eldens’ young son.

Anne and I had visited this place several times before. But I’d never seen the spring flowing, and thought with our recent snow melt that today might be able to prove that Elden Spring was aptly named. Anne and Mele stayed to explore the cabin site while I hiked the thirty yards or so, out of sight, down into the streambed.

Surprise! Water was seeping from fissures along the base of the mountain, and gathering into a small but inviting flow. Someone had fashioned a crude channel that directed the flow into a holding tank. As I soaked in this refreshing scene, a red fox suddenly appeared, about twenty feet away, on the far side of the streambed. He came running directly toward me at top speed, squealing and yipping the sounds of a small unhappy dog. *Anne heard this noise and assumed the sounds were from the dog of another nearby, though unseen, hiker.* I was under attack. I had no time to create a workable plan for evasive action. My sole thought was that the critter must be rabid because healthy foxes run away from humans, not at them.

Before I could take a single step in flight — hey, he was faster than I was anyway — he sank his teeth into the toe of my right sneaker, but apparently not into flesh as I felt no pain. I lifted and shook my leg until he fell free. His sharp pointed teeth left a row of parallel rips across the flimsy cloth of my sneaker’s toe. Energized by an adrenaline rush, I managed to score a kick powerful enough to put him back on the other side of the streambed. Had it been a tied score in the last few seconds of play, I could have kicked a game-winning fifty-yard field goal for the Carleton Knights!

With that kick, I lost my balance and staggered backwards into a small tree, snapping off dead branches as I fell. Weeks afterward, I still have angry-looking welts across my back from the fall. *Anne heard the snapping sounds and thought someone nearby was target-shooting.* By the time I was back on my feet, the furry attacker was beelining for me again. At the last second in a somewhat youthful athletic move, I spun sideways and managed to connect with a strong soccer-style kick before he could sink his teeth into me. This time he landed on my side of the streambed, unconscious. I saw blood-tinted froth bubbling from his mouth.

I scrambled away, shouting “Don’t come down here!! Don’t come down here!!!” *Anne heard my shouting, but couldn’t understand the message.* At the cabin site I gathered Anne and Mele. “Let’s get out of here!”

We jogged a ways down the path, and stopped briefly to catch our breath. My sixty-eight-year-old lungs were stressed by the fox encounter, age, and the thin air of our 7,000-foot elevation. Between gasps I gave Anne a short version of what had happened at the spring. As I talked, she and I — foolishly, in hindsight — explored my torn sneaker, with no concern about fox saliva wetting our hands. We then strode briskly home, warning other Sunday afternoon hikers away from Elden Spring.

I called Flagstaff's Animal Control Department. A cell-phone carrying person we had warned along the trail had already contacted them. An officer arrived at our door minutes later and asked me to accompany him and his colleague to the site of the attack. They were armed with ten-foot hollow fiberglass poles threaded with metal cable shaped into a loop that could be tightened around the neck of an out-of-control critter, from the relative safety of the pole's other end. I was armed with fear so palpable that I was sure that I could outrun any fox we might encounter.

I led them to the spring, lagging behind while giving voice and hand directions. Damned if the fox wasn't still there — bloodied mouth, conscious again and about one hundred feet downstream from where he had attacked me. He charged madly as soon as he saw us. I cringed as the Animal Control professionals proved that they knew how to use the tool of their trade.

March 16:

The opening round of March Madness starts tomorrow. Today, the results from the chemical test of fox's brain arrived from a lab in Phoenix and confirmed what smart money would have bet on all along. Rabid!! More rabid than a U Conn fan. During our eight days of waiting for the results, Anne and I were oblivious to the fact that by handling my ripped sneaker, we had exposed ourselves to the rabies virus via fox saliva. When that was explained to us, as part of the lab report, we immediately began the series of anti-rabies shots.

March 30:

We're down to the final four, and both Arizona teams have been eliminated. Rats! The better news is that the fourth anti-rabies shot will be administered at the Coconino County Health Clinic this afternoon. Shot five, the last of the series, will take place in two more weeks. Thank goodness the shots are not the old infamously painful ones in the stomach, but rather today they are like the pin prick of a flu shot in the shoulder. At nearly \$200 apiece, any significant pain will be to our pocketbook. But the experts tell us that the alternative, once the rabies virus has infected a human body, is almost certain death. We fancy that our lives are worth a couple thousand dollars!

April 1:

In three days we'll know which teams will be the final two. No fooling. Anne has stopped chiding me for being a B-ball watching couch potato. Instead, she joins me. The rabid fox incident has convinced us to live each day like it might be the last. We often wonder aloud how long this sobering effect will stay with us. We still take Mele on daily walks. A Doberman Pinscher needs exercise! But we're now sticking to Flagstaff's paved residential streets. And I practice the non-political version of Teddy Roosevelt's sage advice. "Walk quietly and carry a big stick." My big stick is a four-foot piece of 2x2 hardwood. I simulate fox repelling by savagely batting pine cones as we stroll down our quiet neighborhood lanes. People watching from their houses may think I'm crazy, but there's a sound reason for this apparent madness.

This time of year, this year, March Madness came in two varieties. May future years bring only the B-ball type!

NEWS FROM ALUMS

By Katie Buckner '09 and Laura Dismore '11

Retired Staff & Faculty

Ed Buchwald –

“Cynn timer and I are about to celebrate our 50th wedding anniversary in August. We were lucky enough to discover each other in high school and started dating on June 25, 1954, so this year is the 55th anniversary of that first date! Our family is planning to join us in the Thousand Islands of the St. Lawrence River in Upstate New York. Cynn timer's family has summered there since 1875 (can you believe that?) and of course it is the only place that feels right to us.

“Our son-in-law retired from the U.S. Navy in May, and we attended the ceremonies. I was honored by Chris and Julie by being asked to give a short speech at the ceremonies. Chris' commander said that he had never heard a father-in-law give such a talk before. It was truly special to be so honored. Chris spent most of his career in the Navy taking care of jet fighters on aircraft carriers.

“We had great visits with Mark Gonzalez ('83) and his family and with Ben Levy ('82), who now lives just a few miles from where I went to high school. Amazing coincidence! Please come visit us if you travel to Minnesota; we would love to see you.

“Otherwise our lives have not been that exciting this year. We did have a great two weeks sailing in Voyageurs National Park despite some typical early fall weather. What they say about International Falls is not exaggerated believe us. Have you ever sailed while it is snowing?

“The Men's Lacrosse Club continues to ask for my help. They have given me a contact with students that I really enjoy plus some great exercise. There have been some geo majors on the team, and that is a double bounty for me. This year they named an award for me and placed a plaque in the Recreation Center with my picture and nameplates for the annual club member who does the most for the team. I love the honor but am not sure about becoming such an icon.

“As of this writing Cynn timer and I are looking forward to seeing alums at the reunion. We had a grand time last year and, as I have written before, it is a yearly highlight. Please think about coming to your next reunion.”

Betty Bray –

“I can hardly believe it's been five years since I retired from Carleton. Where does the time go?

“I've been spending time with my grandsons, updating some rooms in my house (painting and decorating), and my husband and I have been doing A LOT of traveling! Since our son Joe and his wife Susan live in Germany, we've been there three times. Besides sightseeing in Germany we visited the Czech Republic and ate lunch with my relatives in the house where my great grandfather was raised, near Veseli. Then we spent five days in Finland with Susan's family and traveled to England, Ireland, France, and Italy (we even spent three days in Coldigioco). It was great! We also spent a week in Churchill, Canada, checking out the polar bears, and even did some traveling in the U.S.

“Now, if we can settle down for a while I'd like to start the book I've been thinking about writing (yes Gabe, I'm in the “thinking” stages). Also, Tim introduced me to Facebook and I'm really enjoying it. It's a wonderful way to stay in touch with all the special people I got to know in Geology!!”

Alums

1942. Charles D. Edwards writes that he is keeping up with geology, especially oil and gas exploration. He says he is “lucky to be in good health at age 88. Miss my loving wife who left us recently. Still fly fishing.”

1946. Charles G. Higgins reports that “After umpteen years I have given up my research on East Asian Tower Karst because it couldn't be confirmed. Instead I may broaden the project to argue that the effective depth of weathering may depend on the time available - a seemingly obvious notion but one that doesn't seem to have been considered.”

1949. Ed Rudolphy says, “There's not one thing new, it's all old. We are beginning to see the exhaust fumes from Methuseleh.”

1953. “Same old, same old,” says **Gary Ernst**. “I'm working on the provenance, times of deposition, and plate-tectonic history of the California Coast Ranges, Sierran Foothills belts, and the central Klamath Mountains. At present I am studying zircons using ICP-MS (Inductively Coupled Plasma Mass Spectrometry) and an ion microprobe. We're not there yet!”

While going through some of her old pictures, **Georganna Dean Dickson '47** came across this wonderful photo taken during a *Introductory Geology* field trip during the '46-'47 school year. She was a lab assistant on the trip, and she doesn't have notes on who was teaching or the names of the other students in the picture, although they likely are class of '50. The man bending over to get some food in the lower right may be Prof. Leonard Wilson, who taught here from 1936 until 1951. Georganna is standing at the left side of the picture, and the two women standing in the center are twins. Georganna has now contributed this picture to the College Archives.



1954. Pat Bickford is teaching Advanced Petrology to a group of outstanding graduate students - at their request! He continues his work as Science Editor for Books for GSA and serves on the Publications Committee. He also continues his research on projects in the Adirondacks and in India. He adds, "I received the Distinguished Service Award from GSA at the 2008 meeting in Houston!" Congratulations Pat!

1955. We are saddened to report that **Joe Mancuso**, Professor Emeritus of the Dept. of Geology at Bowling Green State University, passed away from a stroke on April 9th of this year at the age of 75. His colleague, Dr. Robert K. Vincent, remarked that "He [Joe] was one of the finest geologists I have known, and a great personal friend...No one knew the Precambrian better than Joe, who was one of the first to recognize evidence of algal mats in features of Precambrian rocks. Our entire department will sorely miss him." Joe's wife Nancy, daughter Katy, and brother Jim all graduated from Carleton as well.

1956. Richard Buchheit writes, "Detta and I toured the inland waterways of southeast Alaska, June 22-29th of 2008 on an Alumni Adventure aboard the MV Sea Bird with Professor Cam Davidson and his wife, Karen, as our Carleton hosts. Our total party numbered 12 of the 60-65 passengers aboard! We've been at our alternate address near Dove Creek, CO since mid-July 2008, but we have wandered the San Juan Islands, Mesa Verde, Durango-Silverton narrow gauge, the Grand Canyon, and searched some history at Silver City, NM. I expect we will return to Grand Marais, MN after the Fourth of July and winter there."

1958. George S. Austin writes that his school allows him to keep an emeritus office, so he doesn't have to take his books home, much to the relief of his wife! George writes, "I have been retired for almost nine years now. I try to keep up with the field of geology and read a number of journals, but most of my time is taken up with service organizations and watching the grandkids grow."

Dante Shapiro Stephensen writes that he just returned from riding six steam-operated railroads in the mountains of India. He also recently hosted the planning committee of the class of 1959 at his restaurant. "Great friendships reopened," he says.

1960. William Burt reports, "Steady as she goes." In response to "What's new with you?" **Michael Ward McLanahan** says, "I turned 70 in December."

1961. Jeff Hanor writes that he spent part of his Spring 2009 sabbatical from LSU at the University of Arizona, working with a colleague in the Department of Hydrology and Water Resources. Jeff says, "I had not been to Tucson before and really enjoyed it. For some strange reason it was a bit drier than it is in Louisiana." He found that the Geosciences Department building at U of A, which is named after former Carleton President Larry Gould, has a large display case on the entrance floor which houses the former president's many honorary degree hoods. There are pictures of both the building and the hoods at this Carleton site: http://www.acad.carleton.edu/campus/archives/exhibit/Gould/Sun_and_Ice.html.

1962. Clark Arnold writes that the small U.K.-listed company he works for is operating a 50-tons-per-day silver and gold mine and flotation mill near Acaponeta, Nayarit on the west coast of Mexico and they are actively exploring in the U.S., Mexico, and Paraguay.



John Lufkin '62 recently travelled to Costa Rica and explored, among other places, this lava field on Arenal Volcano. He writes, "I am expanding my travel business next winter to include the Galapagos Islands in January, after returning to Costa Rica for the 4th time. I will have some pictures posted on my web site soon, hopefully.... www.johnlufkin.com"

1964. Jamie Hall is busy keeping his farm running with the help of his daughter, who recently earned her Ph.D. He writes that he has been "ruefully contemplating my own Ph.D. thesis (of 22 years ago) which predicted reasonably correctly the current speed-up of the Greenland ice sheets' melting and the break-up of the Antarctic ice shelves, but ah, well. Who reads Ph.D. theses anyway?!" **Alain Kahil** writes, "Four years ago I decided to get out of consulting (though I still have my company) and join the oil patch. I joined Apache to help develop their CBM [Coal Bed Methane] projects. It has been very enjoyable and has worked out very well. However, my new thoughts are more and more frequently directed towards retirement. Maybe soon!" **Peter Rowley** writes that he "continues to work 60 hours a week in my consulting business, Geologic Mapping Inc., so I can help my wife Dawna support her horse habit (7 of the things)." Most of his work deals with providing the geologic framework of regional groundwater flow systems, positioning wells and well fields, and giving expert testimony for water districts. He is also doing geologic

mapping for the Utah Geological Survey. In November 2008 Peter received the Lehi Hintze Award for Outstanding Contributions to the Geology of Utah – congratulations, Peter! After 35 years, **Terry Tullis** retired from teaching at Brown University in 2005 – "I got tired of making up and grading exams." But Terry is still actively doing research in rock friction and earthquake mechanics, leading the Earthquake Forecasting and Predictability focus group at the Southern California Earthquake Center, and traveling to scientific meetings around the world. "My wife, Connie Worthington, and I are moving into a 'new' home we are renovating for our old age!"

1967. Mark McBride is now at the U.S. Nuclear Regulatory Commission in Rockville, MD, where he works on the hydrogeological aspects of licensing new nuclear power plants. Mark writes, "It's pretty interesting work, with a lot of challenges and a fair amount of travel. And we are hiring – new grads take note!"

1968. Ron Nordquist writes that he has worked at Marathon as an exploration geologist for nearly 20 years, and is currently looking for deep gas in the Anadarko Basin of Oklahoma. His wife Nancy teaches Art History at a local college, and their daughter Alice teaches music in Redwood City, CA, after graduating from Oberlin College and Conservatory.

1969. Bill E. Henry is enjoying life "up North" in Petoskey, Michigan, with his wife, Lt. Col. Linda Henry, who just retired from the Air National Guard after twenty years as a flight nurse and three tours of duty in Iraq. "We just returned from a fascinating cruise on Celebrity Xpedition in the Galapagos Islands," writes Bill. "In my spare time I chair the credentials committee and I am a member of the Medical Executive committee at our hospital."

Candace Kohl writes she "just gave a talk about meteorites to kindergartners – YIKES! How do those teachers do it all day?" **Dave "The Man" Tiffany** writes that he testified before the New Hampshire Senate against automatic draft registration and for the repeal of the death penalty.

1971. After 31 years with Arco/Vastar/BP, **Karen Klusmeyer Lubke** has retired. Karen writes, "Timing was perfect with the economy, my age, the Nexen opportunity and my children's location in northern Texas. I will continue working Gulf of Mexico deepwater oil and gas fields, a job that I absolutely love and hope to continue doing for another 30 years! My love of geology began as a sophomore when my roommate's boyfriend **Bill Henry '69** encouraged me to take physical geology. I had the great pleasure to take classes with professors like Ed Buchwald, and

Eiler Henrickson . . . it doesn't get any better than that. Here's hoping that the department is as vibrant as it was 35 years ago!" We think it is! **Royston Kruse** writes that he is "self-employed as a consultant on Africa with a former employer and offering his experience and expertise to churches and organizations."

1972. Mark Taylor writes that he "turned down an early retirement offer to continue working on advanced photovoltaic technology. I'm still skiing and rowing boats."

1973. Jean Chu is splitting her time between Hong Kong, where she takes care of her 86-year-old mother, and Beijing, Manila and New York, where she helps engage local communities in community-managed forecasting and early warning preparedness for natural hazards. Jean writes, "What I love to do most is share the best of what I have experienced in life with others. My promise for the world is a world that works: by 2012, I promise a world where each of us is awakened to our power and grace, in harmony with the Earth and in action to cause our own safety and security." **Dick Pautsch** writes, "By the time this is published, I hope to have completed my quest to visit every one of the 3,162 counties in the US of A. I've been everywhere there's a reason to go to; this project gives me a reason to visit the places for which there's no other reason to visit."

1974. We are saddened to report that **Keith Keefe** passed away on March 31, 2009. He is survived by his wife **Marcia Mergner Keefe '75**. **Art Norton** says, "In 2005, after 15 years as Itasca County water plan coordinator and Soil and Water Conservation District manager in northern Minnesota, I accepted a new position with The Nature Conservancy. I serve as the local arm (and eyes and ears) of a very large project, called Forest Legacy, to keep working forests from being subdivided, developed and shut off from public access. We've saved 58,000 acres so far and 275,000 acres are in the works!"

1975. "Art and I are still in Warba, now empty nesters," reports **Karen Noyce**. "I still study bears for the state of Minnesota – currently we are focusing on the movements of bears in extremely fragmented habitat at the edge of the prairie on the old Lake Agassiz beach ridges. I'm vice president of the International Bear Biologists professional society and have had lots of fun this past year helping a student get her research project going in northern Peru studying cliff-climbing Andean bears in the desert dry forest." Congratulations again to **Alan Cutler** on being awarded the James Shea Award by the National Association of Geoscience Teachers! The Shea award

recognizes important contributions of writing in the teaching of earth science.

1976. Leah Haworth Evison says, "getting reconnected with **Barb Rossing '76** has been fun - I recently went to her dad's 80th birthday party in Northfield, which was MC'ed by her sister Mary, the mayor! Very fun. My daughter **Liz Evison '10** is a happy Carl and a linguistics major. I'm glad to still have a good job!" **Barb Wonson Liukkonen** is retiring on March 31st. "Yep, it seems amazing to me too, but I got an offer for early retirement that my financial advisor said I couldn't refuse," writes Barb. "I'll still work – I'm not sure at what. I bought ten acres near Lake Superior for our retirement home." **Will Maze** is staying young with his four year old son, writing, "He wants a beehive in the backyard, so we will see what happens when the neighbors find out!" **Philipp Muessig** writes that the financial crisis has been great for his work at the Minnesota Pollution Control Agency: "Collaboration with the Minnesota Legislature and AmeriCorps has led us to create a best practices program to drive more sustainable actions in cities - www.MnGreenSteps.org - and a Minnesota GreenCorps program we are almost certain of being able to fund June 4 – see <http://www.nextstep.state.mn.us/jobs.cfm>."

1977. David Gambill and his family left DC in June, 2007. "I finally had enough of DC, conservation organizations, and international consulting," Dave says. "We sold the house, quit our jobs, and moved to Santa Rosa, CA., where I'd kept the house I built in 1984. After considering our options, we decided to start a chocolate company. After a few months selling at farmer's markets, we bought a teahouse to retail our chocolates. Three months later we received Best of the Bay Chocolatier for the County [congratulations, David!]. We love the change. Our daughter, Mileva, starts kindergarten next year and when I'm not managing the teahouse or making chocolate, I revel in the magical world of our wondrous five-year-old. Life in CA is soooo much more relaxed than in DC! I also get to help a local conservation group do strategic planning and fund raising part-time. Life is good. Come visit. Our websites are:

www.sonomachocolatiers.com and

www.infusionsteashop.com."

Tres Naylor writes, "I am working full time as an independent artist (oil paintings) and living in the mountains west of Denver at 9000 feet above sea level. I'm not doing much with geology, although since I paint in Colorado the occasional rock outcrop appears in my work... hopefully more true-to-life for my studies at Carleton! When not painting or traveling to art events I

like to be out on the trail hiking in the mountains. Last year my wife Ellen and I celebrated our 25th wedding anniversary. We don't have any children, just a very spoiled cat. If anyone is interested in seeing my work, some examples can be found on my website www.grnaylor.com." **Bruce K. Nelson** wrote while "looking at the snow covered Pyrenees from my sabbatical home in southern France. I'll be here (near Toulouse) until September, which looks like a very short time already." Bruce got to explore the geology of Corsica for a couple weeks, and writes, "amazing petrology and structure, and a potentially great place to take a future field course." With two daughters now in college, **Camille Parrish** is "adjusting to the calm around the house and the monthly tuition payments!" She is co-teaching a Mapping and GIS course with a faculty member at Bates and enjoying it very much, though otherwise she is immersed in field and lab sciences along with internship placements. She writes that she still loves living in Maine.

1978. Craig Banister writes, "My adventures this year were limited to a couple trips, one to San Diego and then to Mexico. More interestingly, I have a geology friend in Davis, CA, who recommended a book: *Bedrock: Writers on the Wonders of Geology*, by Lauret Savoy, Eldridge Moores, and Judith Moores (2006). My friend and her husband recently went on a field trip with the Moores. Eldridge Moores is a senior earth scientist at the University of Davis, CA, and is the geologist that John McPhee followed around to write his book *Assembling California*. *Bedrock* is an amazing collection of literary pieces by authors well worth reading. Many geologists will probably find that they have connections with the excerpts in the book. I certainly did." **Tom Bauhs** and his wife **Teri '80** write that their son Scott just recently graduated from Cal State Chico and is pursuing a career in long distance running. They look forward to his July wedding in Yosemite. **Sue Campbell** is officially a CPAN, a Certified Post Anesthesia Nurse. "I sweated through a certification test in April, so now I can add some more letters behind my name. A certified nurse is one who has passed a qualifying test in his or her area of expertise and is required to continue to get extra continuing education hours in that field," says Sue. Good work, Sue! She adds, "My husband, **Steve Erickson '76** continues to practice internal medicine. After a long winter, we are looking forward to spending time in the yard and gardens. We have a darling one-year-old granddaughter nearby. Recently, we added a sweet five-year-old rescue Shih Tzu mix dog to our household. After a month, the cats have agreed he can stay." **Wes Danskin** is working in

Ethiopia and Kenya on occasion, teaching hydrogeology and ground-water modeling. "My initial major at Carleton was International Relations," he writes, "so I guess it all makes sense in the end. I had two GeoCarls working for me this past year; what a pleasure!" **Meryl Rosenfeld Haber** has enjoyed taking time off from her bike shop to climb in the French Alps with her husband. She writes, "Being empty-nesters (5 years!) doesn't mean the kids are off our minds – happily, they still bring excitement to our lives almost daily. Our son is halfway through his clinical residency in Chinese medicine and teaches capoeira at an alternative inner-city school in LA. At 6'4" it is frightening watching him do aials. And our daughter is just completing her undergrad thesis in astro-physics and planetary geology at Scripps/Pomona. She discovered rocks all on her own during her year abroad in New Zealand (the mandatory parental visit was way cool)." Meryl has enjoyed talking to her daughter (who interned with NASA) about lava tubes and the geology of Mars, writing, "It may have taken a while for my comps (lava tubes) to prove relevant (again) in my life, but it sure makes those 30 years since writing that darned thing disappear!" Meryl says she is looking forward to spending this summer with her kids when they come home to visit. **Steve Ingebritsen** is looking forward to having Carleton student **Noah Randolph-Flagg '11** as an intern at the USGS in Menlo Park this summer, as well as hosting new postdoctoral associates from Oxford and UCLA in October. **Glenn Lee's** band, Scandium, is performing Nordic music locally around Northfield these days. "Don't let the transition metal name fool you," he says. "It's all folk music." **Dorothy Davis Morrow** is still enjoying her work at Bellevue University where she has been raising funds for 14 years. "My other job is raising my 2 fine boys, now 11 and 8, and managing my husband too," she writes. "Same old, same old, but relishing every moment." **Laura Nadelhoffer** writes, "We are sending our daughter to college – somewhere – next year, and so have spent a lot of energy and had some fun with college visits this past year. By May 1st, she will have decided between Carleton and "School X"! Meanwhile, we are teaching Claire's younger brother, Alex, how to drive. Other than that excitement, Vlad and I are both still working, and planning a family camping trip (with plenty of roadcut stops to analyze the sedimentary section) to Arizona Canyon Country this summer." **Alison Krafft Rempel** is "busy converting to edible and native landscaping. With three chickens providing regular eggs, and the bounty from the garden, I can be a locavore for entire meals. I'm also thrilled to have my daughter, Sarah, starting at Carleton as a freshman in

the fall.” **Doug Robbins** reports, “We moved to Anchorage last July, found a house with a view and enjoy the climate here. Our son Peter (2nd of 3) graduated from Carleton last June.” **Zachary Wilson** is going “Anasazi ruins hunting” in the Canyonlands and is hoping to get in some hiking and fly-fishing before it gets too hot.



Zach Wilson '78 sent in this great photo of himself with his daughter Libby and his dog Buffy. He said, "We had the portrait done when I found out my dog, Buffy, had bone cancer. She had to be put down last year. It was one of the hardest things I've had to do - she was the best dang dog I ever had. She was with me for 14 years."

1979. Chris Brick still loves working for her local river conservation group. “From Superfund to stream restoration to dam removal to ranching to water standards, it’s never boring,” she writes. “And I get to work with great people – including **Dan Spencer**, whose students help with projects on the ranch.” Chris adds that they will soon be joined by another Carl, **Will McDowell '79**, who will be the new Stream Restoration Director. Chris and her husband Steve continue to enjoy recreational hiking, biking and skiing. For his part, **Dan Spencer** wrote, “I’m teaching my Ethical Issues in Ecological Restoration class this fall with 2 other Carls from '79 who work at the Clark Fork Coalition: fellow Geo major **Chris Brick**, the CFC staff scientist, and fellow Farmie **Will McDowell**, the CFC Stream Restoration manager. Together we three Carls are taking on restoration in western Montana!” **Karen Campbell** writes, “Being part of an NSF center makes every year go by quickly!” Some of her Carleton related highlights this year included hosting Mary Savina’s 20 hydrology students at the lab in her NSF center, taking Tim Vick and **Glenn Lee '78** on a tour of the outdoor flume, seeing fellow alums

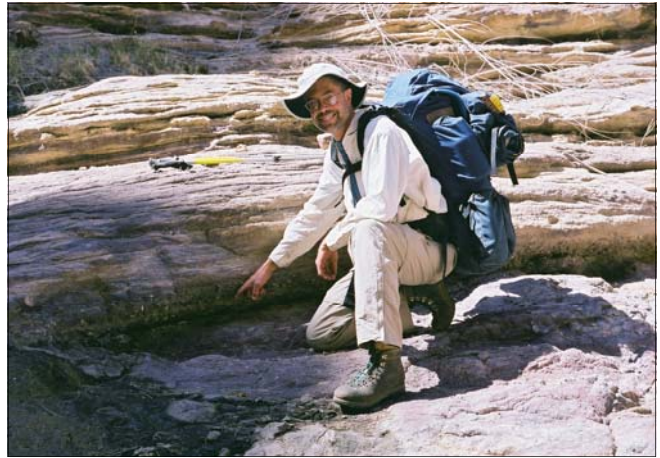
at GSA and AGU, and getting reconnected through Facebook. She also travelled to Portland, OR to see the first screening of “Break it Down: Dam”, a documentary about the removal of Marmot Dam on Oregon’s Sandy River, a project for which Karen had designed physical models. After 16 years of groundwater monitoring at the US Department of Energy Hanford Site, **Evan Dresel** is now at the Pacific Northwest National Laboratory, looking at fission isotopes as indicators of water sources and working on a ¼ scale test of the pretreatment for high-level waste vitrification – “big toys are fun!” Evan writes, “Home life is rather dynamic, too. [His wife] Eileen just took a job in Australia doing agricultural research. I spent a nice three weeks visiting over Easter and am planning Christmas on the beach. Down to a Dalmatian and a cat, with the Norwegian Fjord Horse being looked after by a friend.” Evan is spending as much time as he can in his sea kayak. He’s teaching kayaking a little, and loves “seeing the look on someone’s face the first time they roll back upright.” Petroleum exploration and enhanced production projects have taken **Woody Hitzman** to Belize, Mexico, England, France, China, U.A.E., Pakistan, South Africa and Egypt in the last six months. He says, “Always an adventure.” **Dave Swanson** has moved back to Alaska. “I’m now working for the Inventory and Monitoring program of the National Park Service. My area of responsibility is vegetation, soils, permafrost, and landscape change in the arctic network of parks, which includes the five National Park Service units in northern and northwestern Alaska. My wife Shelli and daughters (ages 7 and 14) are doing well.” **Marie Del Toro** says, “We are doing great! Last summer our family took a fabulous trip to Lake Powell where we enjoyed sunshine and water fun. Although the drive was a little long, 25 hours, Hollynd (14 years old) and Wilder (12 years old) seemed to enjoy the experience. Hope to see many of you at our 30th reunion.”

1980. Teri Bauhs and her husband **Tom Bauhs '78** write that their son Scott just recently graduated from Cal State Chico and is pursuing a career in long distance running. They look forward to his July wedding in Yosemite. **Melinda Bell** writes that she and her husband Darrell are “still enjoying Flagstaff and living only 75 miles from the Grand Canyon. Lindsay will be a senior next year and wonders why her parents are hovering over her with SAT study guides. Darrell is always looking for top graduate students for his paleoclimate research in Alaska (hint, hint) and I still thrive on teaching high school science to both enthusiastic and recalcitrant students. I’m hoping to be

at Carleton this summer for the AP Teacher Institute. Come visit if you aren't getting enough stratigraphy in your own neighborhood!" **Janet Cathey** writes, "My new geologic connection is my recent marriage in September of 2008 to University of Vermont geology professor, Stephen Wright." Congratulations Janet! **Bill Hughes** says he is "still providing support to the Air Force for environmental cleanup at closed bases working for ASE, Inc. We're now empty nesters living in Lafayette CA, with adult offspring in CA, OR, AR, and Glasgow U.K. In the last few years we have traveled to visit relatives in the U.K., Turkey, Italy as well as visits to New England, Maryland, and Kauai. This year I had my first SCUBA experience since the pool at Carleton, but I still find rocks generally easier to examine above water." **Kim Jones** was temporarily trapped in an administrative job (Interim Associate Dean) at the College of Humanities at the University of Arizona, but as of July she will be spending a year in Japan as the director of a study abroad program in Kobe. "Ever since my Carleton days on the AKP program in Kyoto I've wanted to direct a study abroad program and watch students discover Japan for the first time," Kim writes. Her husband David and their three kids are looking forward to the trip as well. "If anyone finds themselves in Japan next year, do get in touch!" **Julie Dynes King** reports she is "entering the busy season of landscaping once again. It keeps me fit and very aware of proper lifting techniques. Our three kids are almost all legal adults and on their own. Heading down to graduation of the middle child at Tulane this May." **Alison Rautman** writes that she was selected by the Board of



Elizabeth Huntley Weide '80 traveled to Iceland in 2007 with her husband, George, and visited one of Iceland's many glorious waterfalls.



Ed Secor '80 had just gotten back from a seven day backpacking trip in the Grand Canyon when he sent this picture. "As well as being a great vacation, the hike got me all excited about rocks again," he said. He is shown here at the Great Unconformity in Hermit Creek.

the Society for American Archaeology to be the editor of the national journal *American Antiquity*. She is only the fourth woman to hold this position. Additionally, while cleaning out some of her files from her grad school days in geology at the University of Michigan, Alison found a photocopy that is supposedly of a real letter from Bowen, of Bowen's reaction series. "Suitable for framing," she says. Very cool Alison! **Elizabeth (Huntley) Hughes Weide** says, "Things are great. My son, Will Hughes (23) is graduating from Cal Poly in Civil Engineering in June 2009, and my daughter Kat Hughes (25) is in Scotland working on a Ph.D. in Film and Television. I am working in San Francisco as an environmental manager with an engineering firm and am enjoying exploring the Bay area with my husband, George." **Ed Secor** writes that he has had "the good fortune during the last three years to be part of a team restoring the 1921 high school in Ault, Colorado to its original glory. The project was given the 2009 Governor's Award for Historic Preservation by the Colorado Historical Society. Quite satisfying to be involved in restoring the beauty of an old building like that, and returning it to use as a school building. I also continue to play music whenever I can—always more instruments I'd like to learn. Son Daniel is now in high school (!) and way into bicycling. Life is good.

1981. Melisse Willette, who runs a shop selling antique Minnesota maps and prints, is completing her certificate in Personal Property Appraisal through New York University, with a specialty in Silver and another in Antique Maps.



Melisse Willette '81 visited the Taj Mahal in 2006: "One of the great spaces of the World – could be on everyone's bucket list!"

1982. Dave Becker writes, "I made a marimba as a recent Christmas present for my daughter Madeline, who will join her brother Dylan in high school next fall. We've started the college visitation rounds with Dylan, and might get him to visit Carleton this summer." Dan adds that his sugaring business, Catacel, is doing well, as is his wife Kendra's family's canoe business. Dave – we're glad to hear from you! **Lisanne Percy** reports, "After living with CFS (Chronic Fatigue Syndrome) for over 15 years, I've finally regained my health enough to try venturing back into the professional world part-time. I'm applying to teach 'Geology of NW Volcanoes, Mountains and Glaciers' at a local community college this summer. The last class I taught was Mineralogy at Carleton as a sabbatical replacement for Shelby in winter of 1992! I am excavating boxes of old notes and dusting off my geology books. Wish me luck!" **David Ratner** and his wife moved to Israel 15 years ago. Armed with a M.Ed. from the University of Minnesota, David began teaching at an American school, where he says his personality is "well-suited to working with squirrely middle school students." David writes, "There were many adjustments to the culture here but we're very happy. I have three kids, Ariel (17), Raveed (14), and Yarden (11). Even with the ongoing conflict, it's a good place to raise kids." **Lisa Wehmeyer Ryan** says, "Life is busy as usual with two teenagers, one heading off to college next year (sorry, no Carl, she wanted to be an Aggie!). I'm enjoying springtime in Houston,

though I did NOT enjoy Hurricane Ike last fall and the accompanying power outage: thirteen days, six hours, and 22 minutes. Many people had it worse; some are still rebuilding." **Tim Schoonmaker** and family have just finished their third winter in Salt Lake City, which means a lot of powder skiing. Besides work, Tim is coaching his son's premier soccer team and attending his daughter's horse jumping competitions. He was back at Carleton for the first time in many years for the 30th anniversary of the conference championship soccer team – Tim writes, "It was great to see many old friends for the first time in a long time." **Heidi Wells** is enjoying travelling with her husband, and writes (from London!) that business is good and the kids are even better. "Dylan is 15 and driving – be very afraid! He also thinks he might want to go to Carleton. The geekage lineage continues (I was NEVER a geek, really!). Evan is 10 and thinks he is going to be Hemingway (maybe he will!) or Eminem (God forbid)." She got to see **Ed Secor '80** and **Chris Bierman '83** recently, and appreciates having other Carls in the area. **Peter Wiegand** is "settling into the Fort Collins, CO life. We bought a house last summer and got a new dog, Tucker." **Peter Whiting** writes, "Not a great deal is new, but [things are] mainly good. My kids are still busy which means I drive them to lots of places lots of the time. I am spending more time administrating than teaching or researching. I need to change that. I spent a long weekend in March making ascents of three 4000ft + Adirondack peaks. I need to do that (more often). Really, all is good." **1983. Sharon Anderson** is still teaching and running her department, which doesn't leave much time for water quality research. She writes that she is "still grateful for all the experiences and great people at Carleton," and that one of her children already wants to be a Carl, class of 2018. **Marcia Bjornerud** reports, "I got a Fulbright to spend 4 months of a much-needed sabbatical at Otago University in Dunedin, New Zealand, studying pseudotachylytes (seismogenic frictional melts) in the Haast Schists. The oldest rocks in 'Enn Zed' are about the same age as the youngest rocks in Wisconsin -- and the rates of all geological processes here (uplift, erosion, incision, glacial flow) are about an order of magnitude faster than seems reasonable!" **Danny Packer** and his wife Ruth's kids are now 14, 12 and 12, and keeping their parents busy with soccer, music, rock climbing and other activities. Danny is enjoying playing Klezmer music with his band, and writes that the family would welcome visitors to the sunny Southwest. **Jeff Pipes** writes that his winery and vineyard, now in the 13th leaf, are doing well. Jeff writes that his wife, Florence, and their



Jeff Pipes '83 and his wife Florence Wong '84 harvesting grapes at Pipestone Vineyards in Paso Robles, California. Jeff writes, "I think the vines are now at the end of their youthfulness and are really producing some balanced fruit."

daughters, Grace and Gwen, "are currently on a 3 ½ week trip to China – seeing the sights, learning about their heritage, and visiting the crazy relatives!" Also, last fall Jeff found a shallow core sample just outside his front gate – turns out, it was created by Carleton geology professor Sarah Titus doing a paleomagnetic study of the Monterey Formation – "small world!" Jeff also writes that **Rob Alexander** and family visited, reporting, "we had a great time . . . we'd love to see more of you out here in beautiful Paso Robles along California's Central Coast. The wine ain't bad, either!" **David Purkey** is still managing the U.S. Water Group for a Swedish research organization. "One highlight this year was the development of a glacier object for some work in the Peruvian Andies," says David. "On the home front, my oldest daughter is off to college in the fall, not Carleton I'm afraid, leaving my younger daughter home alone with the annoying parents. Overall, all is well." **Stephen T. Sutton** and his family are in their second year in Hanover, Germany. "We are

well settled in now, and enjoy travelling around Germany and Europe," he writes. "I'm also trying to brush up my German - my last German course was fall term freshman year at Carleton, so I've forgotten a lot during the intervening years." **Cecilia Warner** says she is "busy with two teenage daughters. One of them is starting to look at colleges – she wants to do music, so Carleton is not on her radar, but St. Olaf is...Sigh." **1984. Elliot Bruhl** has changed his medical practice somewhat from an emergency room focus to more of a clinical focus. He has taken on responsibilities for providing care in a more remote village and travels by float plane to conduct clinics there, which he finds both fun and challenging. He also added that he is helping to coach the high school football team. **John "Jack" Dunn** says he plans to be at his 25th reunion this June, and looks forward to catching up with all his old buddies. He and his family have lived in Houston for five years and are enjoying it. "I have been with Chevron for 22 years now and have lived in California, Calgary, Bolivia, and Houston," say John. "Always looking for good Carleton grads to join Chevron! I have been trying to get my 17 year old daughter interested in Carleton but she is afraid of the cold..." **Mark Gordon** writes, "last year, I took a job with Mark Hempton's group at Shell Research. I am back to doing structural geology after spending 11 years in seismic processing. Although I still mostly work with seismic data on a computer screen, I also have done some traveling and even fieldwork. I am enjoying the change." **Jay Jackson** and **Barb Waugh '85** returned to Houston in August last year after living in Abu Dhabi for the previous two years. "I had an assignment there as Exploration Manager for ExxonMobil," writes Jay. "Eleanor (11) and Sean (9) attended the American Community School where Barb served on the Board of Trustees. We took the opportunity to travel around the region and saw some pretty spectacular geology including ophiolites in Oman, incredible pillow basalts in Cyprus and rifts in Jordan, Egypt, Turkey, and Tanzania in addition to other collisional tectonics structures in Bhutan and Italy. Oh, and some good culture, food, animals and other stuff...We arrived back in Houston just in time for Hurricane Ike, but managed to escape without damage. Houston has been our home base for the last 17 years and we're now pretty well settled back in. We like to spend time with Jack Dunn ('84) and his family when we get the chance. Our family will be at reunion this summer -- hope to see some of you there!" **Christine Smith Siddoway** reports, "I'm now serving as Department Chair of Geology at Colorado College with all the 'on the job training' that comes with it. I taught a field class in

Oaxaca in December that culminated with a few days on the Chacalapa Fault with **Gustavo Tolson '82**. Gustavo is the director of the Geology Research Institute at the Universidad Nacional Autonoma de Mexico (UNAM)!"



Jay Jackson '84 and Barb Waugh '85 sent a picture taken on a family excursion to Bhutan in April, 2008. Jay remarked, "Pretty lucky to be able to travel to Bhutan for spring break! We can still look like a couple of geologists when we want to, huh?!" Their family includes children Sean, 8, on the left and Eleanor, 10, on the right.

1985. Glen Carleton writes that he and his wife are "hoping to do our part to stimulate the economy by building a garage . . . Big plans, but mostly just still a big pile of boards." He also has thoughts of the upcoming reunion, and "would welcome news that others might be there." **Jerry Carlson** writes, "All's well with the Carlson clan in Virginia. I'm still married to the same great gal. Terri and I will celebrate nineteen years this month. Our two kids are growing up. Jerry, our son, is a senior in high school and in the middle of deciding where he wants to go to college. As a dutiful alum, I made it a point to run him down to Northfield and show him Carleton during a recent trip to Minneapolis, but sorry to say there didn't seem to be much interest. He's completely focused on engineering schools. Go figure. Our daughter, Jenny, is a sophomore in high school and fills her days with field hockey, show choir, school plays and friends. I continue to beaver away at Afton Chemical. Been there over twenty-one years now! It's a good company that

treats its employees well and the work remains interesting. I've never had any reason to look for a change. If any friends find themselves in the capital of the Confederacy, please look us up." **Mike O'Connell** writes that for the last five years, he has been working for a billionaire philanthropist, starting a community-based non-profit land conservation organization – specifically, "an enterprise model for managing large protected area landscapes with multiple landowners and diverse funding sources." Wow! Mike writes that on the home front, his daughter starts college next year in Virginia and his son will be a high school freshman. His wife Mary Anne continues to thrive as an ophthalmological surgery nurse. He adds, "We share our house with four snakes, a cat, a pug, a lovebird and a bearded dragon. All visitors to Southern California are welcome to drop by!" **Jon Parshall** writes that his company, Code Weavers, is weathering the recession nicely so far – "Small businesses kick butt!" He reports that his family is doing well, and that he is working on his second book – a history of the year 1942. **Maria Peterson** is still working for JSR Micro and finding new business opportunities for materials used in making of semiconductor, solar and medical applications. She travels for work and recently counted her passport stamps and found that she has now traveled to Japan 40 times. "Good thing I like Japanese culture," she comments. "I'm studying a little Japanese language, and have been practicing kyudo, Japanese archery, for over 15 years now." **Barbara Waugh** and husband **Jay Jackson '84** enjoy seeing **Carolyn White**



Mike O'Connell '85 and his wife Mary Anne recently attended a fundraiser in Laguna Beach, California, and paused for this picture with Jane Goodall (center).

'84 now and again in Houston. "Life is good," she says, "and we're looking forward to the reunion." **Peter Cole** writes that he has been "busy at work helping the unemployed, and busy at home with a high-schooler and a middle-schooler. Stop by anytime." He also said he saw **Amy Zacheis '83** run by in a marathon in November. "Run Amy run! Who's next? **Norm Brown '84**?"



Christine Massey '86 and her girls Marika, 9, and Quincy, 6, visited Iceland's columnar basalts last summer. It was windy and cold despite being July.

1986. After visiting the U.S. in January for the Presidential inauguration, **Emily Adams** and her husband Paulus are searching for "an old house with lots of rooms to make into a B&B and gathering space" near their current home in the Netherlands. Emily currently works at a health food store and maintains a blog at emilyfinnadams.blogspot.com. Check it out! **Christine Massey** was in Vienna in April for the European Geosciences Union meeting, and writes, "See you all at GSA '09 in Portland, OR." **Sean McKenna** and his family are winding down nearly two years of living in Singapore and will be moving back to New Mexico this summer. "It has been a great experience," says Sean, "and our feelings are mixed on leaving SE Asia. I have been working on water issues here and will continue that back home. Our two teenagers are

keeping us hopping." **John Sorlie** continues to work as a business attorney in Bend, Oregon. He spent a sabbatical last year travelling around Colorado and Utah, showing his kids the different sites he visited on Carleton Summer Geology field trips with **Eiler Henrickson '43** in 1984.



Walker, Jack, Abby, Nancy and John Sorlie '86 at Independence Pass, Colorado.

1987. **Chris Carlson** reports, "I continue to work on groundwater policy and management issues for the U.S. Forest Service at their Washington headquarters. I have been working to get a draft of the agency's first national groundwater management policy published in the Federal Register for public comment for several years. When final, this will be the first comprehensive policy for managing groundwater on the 193 million acres of national forests and grasslands...With any luck, the draft policy will be published for comment sometime this year."

1988. **Sean Weekes** writes that his 2-year-old loves rocks! "He loves throwing them, hitting them with sticks, and discovering which ones make the dog jump farthest. I've tried to explain agates, fossils, etc., but he just looks at me for a second, and then throws the rock just as fast and far as he can. Alas . . . perhaps the one-year-old will be more attentive." Talk about geology getting them early!

1989. "Well, we keep finding new and uglier dinosaurs," writes **Jeff Bartlett**. "We published one last December named Peloroplites. Soon we will be growing the paleo program here at our little community college into a full-blown degree program. We are loving the area and living in the midst of literally hundreds of paleo and arch sites. Oh yeah, and the geology [in Utah] ain't so bad around here either!" **Ben**

Edwards is slowly getting used to the rigors of a full teaching load, after two years in England and half a year sabbatical. He is enjoying his first chance to teach an upper level physical volcanology class. He writes, "Kim and the girls continue to stay busy. Teagan and Kaelan are both still playing soccer, and Kaelan is trying softball this spring as well. Kim is about 3/4 done with certification in Pennsylvania to teach high school math. She may be back in the world of full-time employment in the not-too-distant future! I'm looking forward to the fall, when I'll be back to teaching mineralogy and petrology. Possibly heading to Iceland and BC this summer, and looking forward to receiving any visitors that happen to be heading east. We have great rocks and better fishing in south-central PA, and are only an eight-hour drive from the majority of the US population (supposedly). We probably won't get back for the reunion this summer, but hopefully will see some of you over the next year. Not much time for research this spring, but I will be at the joint GAC-Spring AGU meeting in Toronto; if anyone else will be heading to Ontario for the meeting, please send an email!" **Kim Hannula** writes, "I'm finally admitting that I have a geology blog, which recently got added to the group of blogs run by Seed magazine: <http://scienceblogs.com/stressrelated/>." She adds, "I'm finally tenured – I actually got tenure while on maternity leave five years ago, but it was so anticlimactic that I didn't bother making a big deal of it." A little over a year ago **Suzanne Savanick Hansen** joined Macalester College as their Sustainability Manager. **Kari Sabee-Paulson** reports, "Peter and I moved our crew (which now includes 3 boys and a dog) from Marquette, MI to Corvallis, OR (my hometown) this fall. In addition to getting reacquainted with elevation and salt water, we are establishing a Pacific NW office for our environmental consulting business. Please look me up if you're in the area." **Joseph Walser** and his wife Radha welcomed son Rohan on October 30 of last year, and recently celebrated daughter Tara's third birthday. Joseph writes, "I am finally stepping down as chair of the Tufts University Religion Department at the end of this semester and have the equivalent of "senior-itus." It has been eight years and I am tired of writing reports and going to meetings." He is looking forward to using the time to work on his next book. Also, Joseph was at Carleton last February – "it was a nice visit, though much too short. Next time, Tim, turn up the heat before I get there!"

1990. Rebecca Arenson writes, "Well, I am continuing my pattern of bouncing between the west and east coasts, this time between Washington State, DC and



Andy Garrett '90 sent along this nice picture of his wife Jennifer Sun with their daughter Amelia, born last July.

Maryland. I thought I was settled in Seattle for a long time, but after about four years here my group at NOAA was dissolved due to budget cuts so I have been reassigned to a new position. I've been working on habitat restoration and natural resource damage assessment, but will be picking up some new skills (still waiting for the final assignment). I'm already mourning Puget Sound, the mountains, and a great gardening season, but it'll be nice to be able to kayak without turning into a popsicle if the boat flips. Plus I'll be able to see more of my niece and nephew - which will be fun - I'm delighted that my two year old niece likes jumping in puddles (a good sign of a cool kid)." **Andy Garrett** reports, "Jennifer and I have a fabulous new daughter - our first child- Amelia Liyen Garrett born on 7/12/08. I continue to work mostly in public health and policy, looking at ways to improve our nation's ability to prepare the public for disaster and trying to improve the systems that are in place (or need to be) to better care for people affected by disaster. I still live in the Boston area and commute to NYC for work, and spend a lot of time in DC as well. On the side, I am still a disaster response doctor with the feds and still do a fair amount of EMS in my region, working with both a fire department and a police tactical team." **Sharon (Stern) Kahn** changed jobs in November. She writes that her new job "is not geology, but it's closer than I've ever managed to be since I finished grad school! I'm managing the grad program in Geography and having a really good time with it." She and her husband Brad are also patiently

waiting for a child through domestic adoption. Good luck Sharon! **Mark Newcomb** is researching costs of carbon sequestration in un-minable coal seams, and has just one semester left before obtaining a dual masters in econ and finance – congratulations, Mark!

1991. Jean Morrill writes, “after many years of hydrology & climatology research & outreach/education at the University of Arizona, I went to law school in 2005. Graduated last spring. I have enough degrees now. Really. I am currently clerking for a judge on the civil bench while searching for a long-term job in natural resources law and/or water law. I don't want the three grueling years of law school to be wasted, nor all my years as a scientist. My husband is a hard-core amateur nature/wildlife photographer, so most of our trips revolve around the potential photographic opportunities.”

1992. Nick Dewey reports that he is now “teaching high school, including earth science. This year I'm at a new school, Pomona High School in Arvada, Colorado. I just found out that I'm teaching earth science in the same classroom that **George Witman '78** taught in for 8 1/2 years (and I met George in the process of finding this out, he was visiting the building helping another teacher with real estate). Always nice to meet a Carleton geology alum out of the blue!” **Sean Kempke** says, “Ivy and I welcomed our new 7lb., 11oz. tax-write-off, Wren, into our family in November, 2008. Her older sister, Zoë, is adjusting well also! Life has been good as a family practice doctor. I'm still enjoying delivering babies, working with hospice, and everything in between. And Duluth, MN is a great place to live!” **Christina Vosen Ostendorf** and her husband Mark also just welcomed a new addition to the family, Carson Patrick. Christina writes, “The birth was a little too exciting for me – emergency C-section, my first surgery ever. I'm staying at home these days to keep track of the three kids and help on the ranch with Mark's aging parents, one of whom is suffering from Alzheimers. I am enjoying reconnecting via Facebook with geology friends. We live south of Miles City if you are in the area and want to stop by!” **Patty Weston** says, “I've been student teaching at a nearby high school for Physics, as well as AP Environmental Science, which is the single most popular class in the school...Things do change! I'll graduate in June with a Master's in Teaching, so I can teach in public schools this time around.”

1993. Beth Pratt-Sitaula and her husband also just welcomed their second child, a girl – Jyoti Sitaula. Beth writes, “Jyoti was born on January 25th of this year so I'm not teaching regular classes again until

September. We will be back in Nepal for August – come visit if you like monsoon rain.” **Ben Surpless** writes that he, his wife Kathy, and their three-year-old daughter Kayla are “adjusting to life with a new member of the family, Daria Lynn, who was born March 2nd and is doing very well. Life is good.”

1994. Work life has been good to **Julia Daly** this year, with a trip to New Zealand this winter and an upcoming field course in Ireland and Scotland. “I have some fun local projects that keep me hiking in the western Maine Mountains,” Julia says. “Life at home continues to be fun and exciting in the company of our four-year-old twins! Cross-country skiing was a big hit with them this winter, and they tell me that they're powered up for hiking this summer. Stop by if you think you can keep up!” **Brett Dooley**'s adjunct work at her local community college has grown to near full time levels, but without the salary and benefits that should go along with it. Brett, that's not fair! Brett continues to home-school Tim, now in 7th grade.

Butch is still with the Virginia Museum Of Natural History, and is hosting a regional vertebrate paleontology conference in May. Brett adds, “His collecting has led him to diversify into Miocene land mammals but his heart is still with the whales, I believe.”

1995. Roy Luck reports, “I have been living in Houston, TX for 18 months, after six years overseas in Holland and Nigeria. Our family (including wife Celestina and sons Gabriel (3) and Alex (1)) just celebrated our second Thanksgiving in Houston. We welcome all Carleton visitors!” **Kate Jesdale** is engaged to be married this summer – congratulations, Kate! **Bryn Perkins** writes that he is still in Prague and working too much, but happy otherwise. “Project this year: launching a news magazine to complement our daily news website,” Bryn says. “Please refer the Czech-interested, it's a tough time in the news biz! And to all attending Geo conferences in Europe: Prague is a short-hop flight from everywhere else, come visit!”

Frankie Ridolfi moved to California, joined the founders of a new start-up company, and started business school for sustainable management. He is, in his own words, “happily riding my motorcycle around the Bay Area. No wives, babies or houses to report.”

Ian Wallace is still in medical school finishing up his clinical year, and is hoping to find a residency program.

1996. Karissa Baker and her husband welcomed a daughter to their family, Margaret Baker Bonin, on December 29, 2008. “I'm staying at home with her and her 3-year-old big brother, Theo, until the start of the next school year. Life with two little ones is wonderful and completely exhausting all at the same time!” she



From left, Nina Molumby Stuyt with Karsten Stuyt, Sara Gran Mitchell with Anna Mitchell, Dave Mitchell, and Evan Stoner with Elspeth Stoner. All the big kids are class of '96. Sara wrote, "We recently got back from a trip to Seattle, where we saw fellow Geo alums Nina Molumby Stuyt, Evan Stoner, Ben Sheets '97, and Bre MacInnes '04." She added that her daughter Anna is showing great geological promise: "She already likes playing in the sand, and has slept through several spectacular hikes." Sara is going into her fourth (!) year teaching geology at Holy Cross in Worcester, MA, and Dave continues working as a geologist for an environmental consulting firm.

writes. **Justin Clarke** writes, "We just bought a house completing my family's return to the DC area after roughly eight months in Athens, Georgia. In concert with the move, I have made a career switch from demographic analysis to transportation modeling and analysis. It is an overdue jolt to my career path and is going well. Our son, Ian, is now 14 months old and is lots of fun." **Andrea Stein Figueroa** had several new challenges this year. "In May, my second son Erik Buenaventura was born. He is very happy and easy going, but still a lot of trouble. I also took on the challenge of teaching my first Advanced Placement (AP) course. I have enjoyed the rigor and issues related to teaching AP Environmental Science and I hope my students can say the same." **Shannon Ginn** says her son Diego is in kindergarten and she is engaged to Carleton Alum, **Joe Robinson '96**. **Stephanie Phippen** and her husband **Dan Feiveson '97** welcomed another little one (Levi) in September. "Julian is getting a kick out of being a big brother," Stephanie writes. "He's

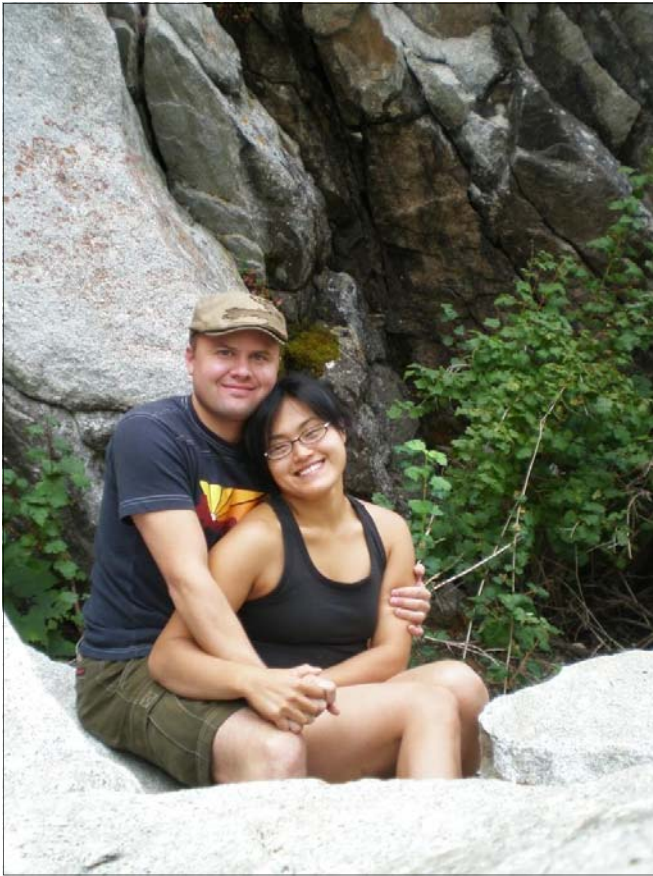
fully immersed in the dinosaur years. I can't tell who is enjoying those dino books more -- Julian or his geo major parents? I fear we're preparing him for geo-nerd-dom. What other almost-3-year-old says his favorite dinosaur is 'Allosaurus from the Jurassic Period, not T. Rex from the Cretaceous?' Dan is still running DataJoe (<http://www.datajoe.com/>). His business is tied to print media, but he's in a position to facilitate moving data online, so it's 'interesting times' for sure. I'm still working in environmental consulting at Tetra Tech." **Nina Molumby Stuyt** and her family are enjoying Seattle and are expecting another baby boy in July!



Geoff Ruth '97 helps his daughter Kyle take a big step toward geology: "She's practicing bouldering (notice the developing heel hook) on a chunk of radiolarian chert near our house in San Francisco."

1997. Fawna Korhonen says, "Hello Geo Folks! I've been a post-doc at the University of Maryland for the last three years working on high-temperature metamorphism and crustal anatexis in West Antarctica (in collaboration with **Christine Siddoway '84**). I just recently accepted a research position at Curtin University in Perth, Australia that starts in September. I'm pretty excited to take up surfing (and the geology too). So if anyone finds themselves on the west coast of Oz... please visit!"

1998. Peter Erickson started a new job with the Stockholm Environment Institute working on national and international climate policy, a field, he says, that brings him in contact with many other Carleton alums, both geology majors and others. **Eli Levitt** married Molly Mathias, a Colorado College graduate, last July (2008) in Olympic National Park. "I'm now working on climate change policy for the state government in



Aaron McDaniel '98 his wife Jessica in Big Cottonwood Canyon near Salt Lake City, UT. "Jessica's company is based there and I got my Masters at the University of Utah, so we visit pretty often to ski, hike and climb."

Olympia, WA after finishing a masters in public administration at the Univ. of Washington last June," says Eli. "Probably the 'biggest' news I have is that I got married in March of 2008," writes **Aaron McDaniel**. "My wife, Jessica, and I are living in the DC area and we've been able to take advantage of work trips to places like Panama to get out and about. Other than that, I've been up to the same work/trouble as usual. Every now and then I pull out my dusty geologist hat at work when we're dealing with commercial opportunities in mining/oil exploration & recovery, but mostly I've shifted into the GIS/RS side of things with DoD/Intel customers. The industry has been booming and there are some very cool things happening in the world of GIS/RS, so I'm staying busy and really enjoying myself." **Kristin Ulstad** reports, "Last year I finished my master's in nursing at the University of Washington in Seattle. I spent some time enjoying the Northwest while I was there. **Peter Erickson** and I hauled in 100+ morel mushrooms one

day from the Cascades. Last fall **Scott Propson '96**, **Timothy Manold '96** and his wife Kim and I hiked the Wonderland Trail around Mt. Rainier. We just moved back to Minnesota to enjoy the four seasons again. Scott and I have always got an open door for our fellow Carls passing through the Twin Cities!" **Frances Watson** is getting married in June! Got a note from **Allison Payne** last fall saying, "I'm wrapping up my Masters degree here in Fairbanks. Geothermometry on Aleutian rhyolites. Yeehaw!"

1999. Alison Anders writes, "We're expecting a baby boy this June! And, therefore, sad to be missing the 10 year reunion! (I'll miss you geo majors of '99! If you ever happen to find yourselves in Shampoo-Banana, look me up!). Otherwise, I'm enjoying life in the Midwest, and the excitement of professing. Some big highlights of the last year are adopting a little black cat named Peat, fieldwork along the west coast of India, and a nostalgic return to some glacial geomorphology of the Pacific NW." [With apologies for the obtuse redundancy, Alison lives in Champaign-Urbana - Ed.] **Chuck McCallum** moved to Philadelphia in January for a programming job with the libraries at the University of Pennsylvania. Outside of work, he enjoys looking at the outcrops along the Schuylkill and singing shape-note tunes with friends. **Leigh A. Stearns** reports, "Just started a faculty job in the Geology Department at the University of Kansas."

2000. Nina Berglund writes, "In the last year, I quit my job as an environmental planner and accepted an attorney position with a small office in Minneapolis. I practice general civil litigation, primarily on the defense side. Gus and I are both living and working downtown now, making our commute about ten blocks, which I love!" **Annie Winkler** reports, "I've been living and working in Monteverde, Costa Rica for this school year. It's been an awesome monkey-filled adventure, and I'm looking forward to returning to Western Massachusetts and starting EMT and hopefully firefighter training as well. I'm officially done with teaching in a classroom setting full-time after June 9th. If you're ever wanting to get away for a couple of years, I highly recommend teaching at either of the private bilingual schools in Monteverde. The community is AWESOME and there's a weekly pickup ultimate game."

2001. Philip Anderson is in the second year of his post-doc at the University of Bristol, working on the biomechanics and early evolution of tooth shape and has just received further funding. Philip says, "**Anne Leone '00** and I will be spending at least another couple years here in the United Kingdom." **Ani Kame'enui** is working on river and refuges issues for



Anna Nelson '00 and Jean-Baptiste Laloe married last fall and are now living in Massachusetts since JB has started a job at MIT. Among the celebrants at their wedding were (from left) Eleanor Jensen '01, Catilin Daum '00, Jean-Baptiste and Anna Laloe, Tomas Jensen '99 and Kate Kenny. Anna said, "We were married on Cape Cod on the beach near my parents house and had fantastically dramatic weather with the tail end of Hurricane Hanna! We had a brilliant four-day wedding weekend, including a softball game (which was hilarious because none of the Europeans knew the rules!) and a huge Cape Cod clambake with 60 lobsters that my dad cooked up in the firepit in the backyard! There were 12 countries represented (JB is French and I've been living in the UK for 8 years), so it made for some pretty fun times."

the fabulous and controversial Klamath Basin. "We are growing food in our backyard and looking forward to summer hikes in Oregon's new wilderness areas. I'm also working on music with my partner and seeing Carleton friends wed!" **Elizabeth Lowham** writes that she is now in her second year as an assistant professor at Cal Poly, teaching mostly in the graduate program, which she directs. Beth says, "All in all, life is great here on the Central Coast!" **Peter McAuliffe** and **Jenny (Houghton) '01** are having their first baby. Peter writes, "The little rascal is due in late May... Amazing!!" **Anne Sawyer** reports that she is returning "home sweet home to Northfield! We are in the process of buying an old run-down farmhouse south of town on 7.5 acres. While working on the house, we're going to raise lots of garden veggies - no critters (yet)! Give a shout if you're in town, especially if you've got a hankering for pulling weeds, painting, plastering or playing music around bonfires!" **Carl Tape** defended his thesis, "Seismic tomography of southern California using adjoint methods," at Caltech in Pasadena on April 1, 2009. "I look forward to starting a post-doc at

Harvard in May, applying my Ph.D. research to the north into California's Great Valley and Sierra Nevada. The AGU 2008 Carleton dinner was a blast!"

Elizabeth Hyslop (Valaas) is, in her own words, "living the suburban life sans minivan- a biodiesel Jetta, a husband, a house, and an eight month old son, George. I work at an environmental lab and spend weekends with my boys and two cats."

2002. Elizabeth Clark says she is "back in Seattle, learning that it's good to be flexible in life. Currently, going through volumes and volumes of journals looking for Robert E Horton articles from the early 1900s. There's a certain familiarity missing in science today." **Eric Nemitz** started learning how to telemark this past winter. "Yee haw!" he writes. "Looking forward to a mellow summer of hiking, biking, climbing and extreme gardening. I'm also in the process of recording a CD, which I hope to be finished with mid-summer."

2003. Nicole Davies writes from Germany, "currently, I am holding onto my four jobs (math teacher, English teacher for adults, organizing the math program for gifted children in Bavaria and running my own business for graphics and design) and I am also applying for a research fellowship at the University of Munich (medical statistics). The application is quite urgent now, but I have the support of the Director of the Institute of the IBE, which is very good. Please keep your fingers crossed! I'm also working on some really interesting graphics jobs: This week I had to do a pencil portrait of the Duchess of Pappenheim, and I need to design a huge congress advertising banner by next week. I have several problematic children at school, and am churning away at getting a comic finished by June with a local cartoonist. I recently managed to sell five oil paintings. Work never seems to stop, but that's good. My four banana trees have now taken over the living room, and I am still planning on getting a small dog with attitude - at some point - whom I'm going to call Wittgenstein." **Tiffany Larsen** finished her master's at the end of 2008. She writes, "I attempted to winter at home in northern Iowa, but must have lost my cold weather tolerance (it was SO cold!). So I skipped off to California to explore a few organic farms for the month of February." On her way back she visited **Buddy Tangelos '03**, **Kevin Uno '01**, and **Scott Hynek '01** in Salt Lake City, UT before heading back to her home in Iowa where she is starting her own small-scale organic farm. "Much peace and happiness," she writes, and "I would love some visitors!!! Come eat veggies!" **Buddy Tangelos** has finished his masters at UW-Madison. "Now," he says, "I am in Salt Lake City working as an environmental

consultant for CH2M Hill, specializing in contaminant hydrogeology with a microbiological twist. I encourage undergrads to contact me; never know when a good summer internship may turn up.”

2004. Sean and Sarah (Leibson) Bryan report, “our most exciting news is that we’ve welcomed a new Carleton geology major (Class of 2030) into the world. Our son Sam was born December 12, 2008. He’s looking forward to meeting everyone at reunion this summer. Sarah is teaching 1st grade in Denver and Sean is working on a Ph.D. in paleoclimate/paleoceanography at Colorado.” **Bess Koffman** is pursuing her Ph.D. in ice core geochemistry at the University of Maine. “I study dust and iron biogeochemistry in the West Antarctic Ice Sheet Divide ice core,” writes Bess, “I live in Maine with my boyfriend of nearly five years, Farlin. I enjoy playing traditional fiddle music, cooking, gardening, and long walks along the Penobscot River, dodging black flies and jumping over mud puddles.” **Breanyn MacInnes** writes, “One more year of grad school to go!” **Leah Morgan** is finishing up at Berkeley this spring and moving to Amsterdam this summer for a post-doc. “Come visit!” **Gabriel Nelson** is ten months into his three years with Geoscience Australia in the petroleum prospectivity and promotions group. “I’ve been developing my aussie speak,” writes Gabriel, “and I now use phrases like; g’day mate, paddock full of skippies, give’r a go, I reck’n, and take a squiz.”

2005. William Gallin writes, “**Pam Moeller ’05** and I are looking forward to our wedding in Nebraska in May 2009. We live in Salt Lake City, UT with **Keith Christianson ’07**. I am currently finishing a master’s at the University of Utah with my excellent advisor, **Cari Johnson ’96**. I study Cretaceous fluvial stratigraphy in Grand Staircase – Escalante National Monument. Pam is a geotechnical consultant at CH2M Hill in Salt Lake City.” **Sarah Greene** was recently offered a position as an exploration geologist with ExxonMobil. She writes, “Now I’m scrambling to finish up my master’s degree while attempting to buy a house in Houston, hopefully all in time to start in June. Exciting, but exhausting!” **Cristina Robins** just started working on her Ph.D. at Kent State. “I’m studying Jurassic squat lobsters from Europe,” she writes; “great locales for field work!”



Bess Koffman '04 (in the stern) and Ella Mae Walker charging through Six Mile Falls during the Kenduskeag Stream Canoe Race near Bangor, Maine, in early April, going on to win the women's division. Ella and Bess met at the Chewonki Foundation, where Ella was a participant on a 5-week canoeing expedition in remote waters of central Quebec led by Bess and her partner Farlin Black. After hiking the Appalachian Trail, Ella plans to study at Carleton. (photo by Mariusz Potocki)



Sean and Sarah Leibson Bryan '04 proudly present Sam, potentially Carleton class of '30, born last December. Sam seems to have his own opinion though, or maybe he's just not convinced yet.



Will Gallin '05 and Pam Moeller '06 in a photo taken last year in Seattle. A recent note from Bess Koffman '04 said she attended Will and Pam's wedding in May. "They got married in Nebraska City, NE, on a big nut and fruit farm. We had somewhere around 34 Carls in attendance, including Lyndsey Kleppin, Kate Stalker, Andy Lorenz, Emily Schwing, and many other Gallins."

2006. Hilary Christensen reports, "I am in my third year of my Ph.D. program in the geophysical sciences department at the University of Chicago studying the mammalian transition to herbivory in the early Cenozoic."

2007. Sarah Bergman writes that she's "starting grad school this fall, studying tectonic geomorphology at the University of Washington." **Keith Christianson** is "finishing my Masters at the U. of Utah in May and am preparing to move to Houston where I'll start working for Chevron in September." **Mark Dyson** has put off grad school another year to stay in Boulder, "saving the world through energy efficiency, rock climbing, skiing, etc. Nice place to live as someone who enjoys the mountains on so many levels." **Kendra Murray** is still trotting the globe and is finishing up her first year as a Ph.D. student at the University of Arizona. Kendra, congratulations on winning an NSF graduate fellowship!! **Cliff Swanson** has moved from Raleigh, NC to Minneapolis to pursue a career in education. Last we heard, Cliff was in the Cities, living with **Jon Kracum**.

2008. Karen Aydinian reports, "This year has been full of great things and big decisions! Following graduation in June, I headed off to Montana for a second summer with the Indiana University field camp (this time as a teaching assistant). In September, I

presented a poster of my comps project in the AAPG Rocky Mountain Rendezvous at the University of Wyoming. I won an honorable mention, and landed an internship with Noble Energy back home in Houston. I go back to field camp as a TA again this summer, then on to the Bighorn Mountains to begin research for my master's. I am very excited to be attending the University of Wyoming this fall! I plan on studying structural geology, and will be completing a master's project under the guidance of Eric Erslev and Art Snoke." As of April 18th, **Matt Dettinger** was still studying in the High Arctic, land of the midnight sun. This summer he'll be working in Coronado National Memorial Park in southern Arizona as a GeoCorps intern, mapping and assessing the condition of caves in the park and two other small parks in the area. In response to "What's up with you?" **Ethan Hyland** writes simply, "The west coast." **John Nowinski** writes, "I'm finishing up my first year studying hydrogeology as a Master's student at Texas. I'm also getting married in June." **Libby Ritz** reports that she is having a great first year at Stanford. "The Bay Area is fantastic and the people are Minnesota-nice!" **Gloria Jimenez** has been a Peace Corps volunteer in Ecuador for the past several months, and as of this writing she's still in the training phase of her assignment. Helpfully, she's been blogging by email, and the most recent mailing she's sent out to her fan base begins, "Well, it's been about two weeks since I got to Cuenca. Since then, I have gone to a four-day ecua-workshop on biodiversity monitoring in Parque Sangay and extracted important conclusions on the scientific world in Ecuador, attended and attempted to participate in various meetings with my foundation, met and drunk fairly bad beer with the other volunteers in my 'cluster,' and discovered important things like the usefulness of the prefix 'ecua' [it basically means Ecuadorian], how to tell which direction a Cuenca bus is going in, where the supermarket that sells magical things like hard cheese, laundry hampers, and coconut flakes is, and the locations of standbys like good ice cream parlors and a cheap vegetarian restaurant. How's that for an abstract? :) Here goes the (much) longer version..." If you would like to join her list of email recipients, she can be contacted at jimenez.gloria@gmail.com.



Gloria Jimenez '08: "Yeah, that's right. I got to hug a baby alpaca. It was soft and ridiculously cute, and now I want one of my very own."