Greetings to all of the alumni and friends of the department. The last two-year period between Newsletters 58 and 59 has passed rapidly. We are aiming to publish this report every other fall-winter, with solicitations for alumni news early that preceding summer. As usual, the organization consists of my description of departmental activities and accomplishments primarily through the end of 2000-2001 academic year, of which there is much news(!), followed by the main bulk of the newsletter, the alumni news notes (what I truly believe is the most interesting part for many of you), a necrology and finally the directory of geology alumni, faculty and friends. Thanks especially for your contributions to this issue.

Faculty

The department personnel have seemingly been involved in a nonstop whirlwind of activity since we last reported. Two pieces of significant news are that Rick Hazlett has retired from the chairmanship after a decade of noble service in that heavily burdened office (thanks, Rick!) and that Eric Grosfils (who coincidentally assumes the chair) was promoted to Associate Professor with indefinite tenure this past spring. Congratulations, Eric. We're also pleased to announce that Eric has been chosen as this year's recipient of the "Biggs Award for Excellence in Earth Science Teaching." The Biggs Award is given annually to a faculty member less than ten years into his/her teaching career by the Geological Society of America, as most of you know, one of the largest professional geology societies in the world.

Rick Hazlett is on a well-deserved and overdue sabbatical leave for 2001-2002. He is spending the fall semester in Hawaii working in part on a textbook on volcanology with Jack Lockwood. He plans to be at Louisiana State University in the spring learning some analytical X-ray techniques (and some clay mineralogy) from Ray Farrell. Rick continues to do a superb job in his teaching. In addition to his excellent classroom efforts, he is simply selfless in the time he spends beyond formal class hours with his students. Such a performance more than justifies his second Wig Distinguished Professorship awarded at commencement this past May. It is needless to say that Rick has been terribly important in attracting geology majors and minors. Generally, he
has continued to handle Mineralogy, Igneous and metamorphic Petrology, Research Seminar (fall, 1999; course presented by a different faculty member each year), and Environmental Analysis (formerly Environmental Studies and shared with teachers in other departments). In connection with the latter, no one has been more instrumental than Rick in developing this newly created program, especially in handling much of the work in the basic course for several years. In fact, Rick deservedly has been offered and has accepted the recently endowed Stephen M. Pauley, M.D. '62 Professorship in Environmental Analysis; he will continue to teach Mineralogy and Petrology. As you are well aware, Rick offers many field trips, some in his formal classes and others of a more informal sort. For several years, in the second half of May immediately following commencement, Rick (with the assistance of other instructors) has offered a one and one-half week “field mapping training exercise” operating out of the White Mountain Research Station. Rick more than holds up his end of advising senior theses and also other independent projects on geological and/or environmental themes; please see below under “students” for more details on student research. In addition, Rick has been acting as academic advisor for about 30 students a year! Given his exhaustive duties as teacher, advisor, Chair and as the major faculty impetus for initiating the Environmental Analysis Program, little time was left for research but Rick managed to wedge in some professional work all the same. He has revised for the second edition publication (with Hyndman) of “Roadside Geology of Hawaii” (Mountain Press) and for the third edition publication the widely acclaimed “Geological Field Guide to Kilauea Volcano” (Hawaii Natural History), assisted by Donald Swanson and Jim Kahuahikaua '73, of the USGS Hawaiian Volcano Observatory. With 5 others, Rick published an abstract “Preliminary investigation of the eruptive cycles of Okmok Volcano, Alaska” presented at the fall, 1999 meeting of the American Geophysical Union. He also co-authored (with Jessica Larsen) an abstract on explosive volcanism of Okmok volcano (Aleutians) at the second Northwest Pacific Geodynamics Workshop in Sapporo, Japan. In preparation are two manuscripts: (with D.D. Trent), “Geology of Joshua Tree National Park” submitted to the Office of the Chief Interpreter, Joshua Tree National Park and “Geology of Jackson’s Bay Great Cave System and related tectonic uplift, Portland Ridge, Jamaica” to be submitted to the Journal of Cave and Karst. He hopes to complete an article on landsliding and volcanic history of the Klamath River Gorge area, along the California-Oregon border, based on research began in 1995, as well as another on volcanic geology of the central Cady Mountains in the Mojave Desert, which he has been investigating since 1994. He has also reviewed a book on the history of ideas on volcanic eruptions and has reviewed a proposal to NSF for support for seismic monitoring of Erebus volcano, Antarctica. Rick has been very prominent in the public eye. He has tirelessly presented his case and concern for future problems in the environmental arena. As an example of one of these presentations, and attesting to his general versatility, he was interviewed on channel 52 (in Spanish!) on the spring, 2001 eruptions of Popacatepeli. He also
had two other television interviews on volcanoes – the Travel channel and the Discovery channel.

Siân Davies-Vollum has been a “whirling dervish” since her arrival here in 1999. In her first year, Siân taught a new course, Geomorphology, and Environmental Geology in the fall of 1999 and Sedimentology and Earth History in the spring of 2000. In an attempt to pick up some new ideas, especially in siliciclastic sedimentology, I informally audited Siân’s sedimentology class and appreciated her fresh, hands on approach. These same courses, but with internal revision, were offered again in 2000-2001. I might add that she received a Wig Curriculum Development Grant ($2,036.00) to purchase a stream table to be used in the Geomorphology and Sedimentology courses. This past spring she supervised an independent project in invertebrate paleontology involving two seniors. Siân served as thesis advisor for three seniors (Ben Mirus, Yael Proskurowski, and Andrea Stanley) and as co-advisor of another (Beth John) in 2000-2001; titles of senior theses are presented below under “students”. Incidentally, this fall she is handling the course “Introduction to Environmental Analysis” (44 student), in a sense filling in for Rick. She started thesis advising of Jeff Parker who will graduate in December. Siân acted as academic advisor for 11 undergraduates. She was selected to participate in a NSF-sponsored National Association of Geoscience Teachers workshop for early career faculty at William and Mary College this past June. She was our departmental representative at a two-day workshop held at UC Northridge at the spring, 2000 meeting of the Far Western Section of N.A.G.T. As busy as she has been with her teaching and related activities, she has accomplished an impressive amount of research. She is actively engaged in field (and associated laboratory) research in the Bighorn Basin of Wyoming, the San Juan Basin of New Mexico and the Wasatch Plateau of Utah. Her work in Wyoming with a Smithsonian research group includes sedimentology and plant taphonomy of channel fills, and the recognition of avulsions (abrupt changes in the course of streams) and autcyclic processes in Tertiary floodplain sediments (with M.J. Kraus, U. of Colorado). She has applied to the American Chemical Society to support her investigation of avulsions and organic-rich sediments. The San Juan Basin studies include the paleoecology, taphonomy, and environments of Late Cretaceous flowering plants (with L.D. Boucher, University of Nebraska and R. Cushman, Loma Linda University). In connection with this latter work, she and Dr. Boucher have submitted a collaborative grant proposal to the National Science Foundation. She has held a Hirsch Research Award (2000-2002) to partially support her studies on plant-sediment interaction in fluvial paleoenvironments. She also received a Pomona College Faculty Research grant for the spring of 2000 to fund field work in New Mexico and Wyoming. Siân’s work has been well broadcast via both presentations at conferences and publications. She offered papers at: the International Geological Congress in Rio de Janeiro, Brazil; the Reno GSA 2000 meeting (with student Y. Proskurowski); the British Sedimentological Research
Group meeting in Loughborough, U.K.; the research group symposium “Climate and Biota of the Early Paleocene, Powell, Wyoming; and, the “International Conference on Fluvial Sedimentology”, Lincoln, Nebraska. Papers appearing in press or in preparation since the last Newsletter are: “The Formation of beds underlying carbonaceous shales as aquatic paleosols: examples from the Bighorn Basin of Wyoming”, International Journal of Coal Geology, 1999; the relationship between alluvial backswamps and avulsion cycles: an example from the Willwood Formation of the Bighorn Basin”, Sedimentary Geology, 2001 (with M.J. Kraus); “Not just red beds: the occurrence and formation of drab sections in the Willwood Formation of the Bighorn Basin” in a symposium volume of the University of Michigan Papers on Paleontology, 2001; “Late Cretaceous vegetation and paleoenvironments in the San Juan Basin, New Mexico” (with L.D. Boucher and S. I. Wing), in preparation for submission to Palaios. Siân has authored or co-authored seven abstracts (related to her presentations itemized above), with one co-author being a student who did summer field research with Siân. She has also reviewed manuscripts submitted to the journal Palaeogeography, Palaeoclimatology, Palaeoecology, and NSF grant proposals; she attended the Paleontological Society Workshop “Phanerozic Terrestrial Ecosystems” at the Reno GSA meeting. One time-demanding responsibility of Siân’s was to coordinate the spring 2001 meeting of the N.A.G.T., Far Western Section, hosted by Pomona, (more details below). She has been deeply involved in college, department and public sectors and space precludes enumerating all of these although mention will be made of some of the more significant activities. She has been a member of several college committees including: Study Abroad; Teaching and Learning; and Marshall/Rhodes Scholarship Selection. As a certified fitness instructor, Siân voluntarily taught PE 5 classes in aerobics both semesters of both years. She was a faculty leader for the frosh orientation adventure August, 1999, and for the department she served as head of the search for a department technician; shared the responsibility of inviting seminar lecturers; coordinated the matter of overhauling our old XRD system; and prepared to assume the busy role of Keck department representative. She was invited to give expert comment on sedimentology for future watch on-air/online Science News Program for distribution to Public Television, NPR and Armed Forces Radio Network (fall 2000). She taught several charity auction classes in cardio-kick boxing, aerobics, etc. (spring 2000).

Linda Reinen, having received tenure as well as promotion to Associate Professor just prior to the publication of our last newsletter, shares one F.T.E. with Eric Grosfils. Looking at their accomplishments, it would seem that they both are extremely busy and work as though they each have full-time positions! Linda taught Structural Geology both fall semesters, Introduction to Hydrogeology (spring 2000), Introduction to Geology: Geohazards spring 2000), and two independent study courses: Hydrogeology of the Santa Ana Watershed (spring 2000) and Preparation and Analysis of Petrographic Sections (spring 2000).
Linda supervised three senior theses in 1999-2000 (Jessica Jager; Susan Nielson; and Amy Vithayathil (HMC)) – see below under “students” for more detail. In 2000-2001 she advised three seniors (Beth John; John Singleton; and Laura Bauleke). Demonstrating the blurry boundary between teaching and research, Linda involved three students in scholarly research: Susan Nielson (Hughes Grant), Amy Vithayathil (NSF-funded project (both saw their work evolve into senior theses) and Jeremy Wertheimer (under a Hughes Grant); again, see “students” below. Linda served as academic advisor of 12 students in 1999-2000 and of 7 in 2000-2001. Her primary research focus in the past has been an incorporation of field studies, laboratory analysis, and numerical modeling related to dehydration embrittlement of serpentine under high pressures and their implications for intermediate and deep focus earthquakes (with particular emphasis on the San Andreas fault zone). In this work, Linda is Principal Investigator of a NSF Grant in collaboration with Dr. Harry Green, U.C. Riverside, and has been considered a visiting Research Geophysicist there. She has involved three students (Nielsen, Vithayathil, and Wertheimer) in this work – see above and below under “students” for titles. Recently she has begun the process of shifting her research to more field-and curricular-based projects. Linda is a co-investigator of a “pre-proposal” (that hopefully will be selected for the go-ahead for a full-blown proposal) to develop web-based educational materials for a comprehensive undergraduate curriculum in computational science (requested ~$700,000). She is also co-investigator (PI is Dr. A Mayer, Michigan Tech University) for a grant proposal submitted (while this Newsletter was being prepared) to the National Science Foundation on determination of the origin and variability of permeability reductions associated with the San Andreas fault zone (requested ~$230,000). Linda has published two papers in peer-reviewed journals since our last report: “Seismic and aseismic indicators in serpentinite gouge “ in Geology (2000) and “Slip styles in a spring-slider model with a constitutive law for serpentinite “ in Geophysical Research Letters (2000). She presented two papers, with abstracts published as follows: “Translating the benefits of a focused summer internship experience into a semester-compatible undergraduate research course” in Transactions of the American Geophysical Union (with E. Grosfils, 1999) and “The Keck Geology Consortium: 13 years of student-faculty collaborative research” in Seismological Research Letters (with C. Manduca, 2000). Linda led a workshop on the same subject as the Trans. Amer. Geophys. Union abstract mentioned just above and was co-leader for another workshop at the College of Wooster, summer of 2000, entitled “Funding Opportunities in the Geosciences, Committee for Undergraduate Research (CUR) national meeting. Other scientific professional activities also included: election to the steering committee for the Physical Properties of Earth Materials of the American Geophysical Union (35,000 member international organization)—she is the only committee member from a liberal arts college and she is editor of their bi-annual newsletter; in 1999 she served on the NSF panel to review proposals submitted to the Course, Curriculum and Laboratory Improvement Program and
she reviewed manuscripts submitted to the Journal of Geophysical Research. Academic professional activities (i.e., student-involved research) include: Councilor for the Geology Division of CUR and geology representative on that organization’s nomination committee (2000-2001). Linda was deeply involved in department affairs. Some of her contributions have been:

1. Instructional role in upgrading our X-ray diffraction (XRD) system
2. Oversaw and re-organized the senior theses exercise (see also below)
3. Organized and directed the Geology Lecture Series
4. Co-supervised (with E. Grosfils) the upgrading and maintenance of the departmental computer facilities including the selection and acquisition of a digital projection system.
5. Re-designed the new minor in geology.
6. Represented the department in the lengthy science-complex renovation discussions.

Linda provided service to the department and college well in excess of that expected from a 0.5 FTE person: member of the very busy Curriculum Committee, including work on the CC subcommittee on intensive speaking courses; participant in on-going discussions with Pomona College Trustee George “Buddy” Moss about his donation of a full-scale aquifer model (pumping well) to Pomona College; participant in the development of a program in environmental studies – more recently she participated in creating the new interdisciplinary program in what is known as Environmental Analysis.

Literally, as we are about to go to press, Linda has returned from a 4-day meeting in Sendai, Japan, where she presented an invited paper on her favorite research area “the role of serpentinite in slow precursory slip to large earthquakes” at the “International Symposium on Slip and Flow Processes in and below (near) the Seismogenic region”. She was the only woman presenting.

Eric Grosfils assumed the role of Chair July 1. Over the past two years he has, as mentioned above (and, as with Linda), contributed well beyond the effort that would be reasonable for a 0.5 FTE. I would like to quote a note of April 2000 from President Peter Stanley to Eric: “Eric—It is hard for junior faculty to be all the things we expect them to be: good teachers, productive and high quality scholars, and generous participants in campus Life. Congratulations on showing how it can be done.” Eric has taught a number of courses, many new to the department, since he has been at Pomona, which has required a fantastic amount of preparation time. In 1999-2000 he taught a writing-intensive course “Geophysics of the Solid Earth” (fall) and a new introductory level course, Planetary Geology”. In the fall of 2000, he taught “Remote Sensing of the Earth’s Environment” and a new intermediate level course “Introduction to Geomathematics” This past spring, he taught, for a second time, “Research Methods”. In 1999-2000 Eric acted as thesis advisor for three seniors (Beth Bradley; Drew Hite and Miriam Krause—see also “students” below)—and this past year served as a second reader of four theses. He supervised an independent study on the topography of Mars using latest data from the Mars
Global Surveyor Spacecraft. Under his direction, five students (all juniors at the time) were enabled to present results of summer research at the 31st or 32nd Lunar and Planetary Science Conference in Houston. In 2000-2001 he was academic advisor of two geology majors and four students interested in pursuing majors in math or other sciences. Eric’s research is primarily in planetary geology through an application of remote sensing. Specifically, he is using finite element numerical modeling of magma reservoir failure to assess how different physical factors contribute to whether subsurface intrusion or eruption at the surface will apply. Eric (with R. Shultz and G. Kroeger) has been conducting shallow seismic refraction experiments and structural analyses in Canyonlands, Utah, and is contributing to ongoing attempts to evaluate graben formation the results of which could improve our understanding of graben formation on several planets. Eric applies Magellan radar data to study the volcanic and tectonic evolution of an area of Venus roughly equivalent in area to the United States in order to address questions about the region’s formation and subsequent evolution. He has been assisting in the mapping of tectonic deformation of other areas of Venus to compliment a similar effort underway for major mafic dike swarms on earth (with R. Ernst and J. Head). Eric is principal author (with four others) of a book chapter “Volcanism on Earth’s sea floor and Venus” in “Environmental Effects of Volcanic Eruptions from Deep Oceans to Deep Space” Plenum Publishing, 2000. He is co-author of an invited paper, “Giant dike swarms on Earth, Venus and Mars in the very prestigious publication Annual Review of Earth and Planetary Sciences. And, there are many papers in the offing – Following are the titles of these five manuscripts in various stages of preparation or revision: “Placing new geophysical constraints on normal fault displacement in Devil Lane’s graben: implications for length-displacement models and Martian tectonics” (with two co-authors, for submission to Journal of Structural Geology); “Global geometric properties of impact: the view from mars Orbiter Laser Altimetry” (with 7 co-authors; for Journal of Geophysical Research); “The Canyonlands model for simple planetary grabens: revised physical basis and limitations” (with 6 co-authors; for Journal of Geophysical Research); “Basalt thickness in Mare Imbrium (with three co-authors; for Journal of Geophysical Research); “Identification of radiating, linear and circumferential graben systems in Guinevere Planita, Venus” (with 3 co-authors; for Journal of Geophysical Research or Icarus); “Topographic expression of Martian crater morphology types” (with 8 co-authors; for Meteorites and Planetary Science); and “Translating the benefits of a focused summer internship experience into a semester-compatible undergraduate research course” (with L. Reinen; for Journal of Geological Education). Of special note is Eric’s amazing output of abstracts (almost all representing presentations at meetings) conclusively demonstrating his early prominence in the planetary geology field – for the period covered by this Newsletter, he has been principal author or co-author of three at AGU, three at GSA, six at the 31st Lunar and Planetary Science Conference (2000), 10 at the 32nd LPSC, and three in other miscellaneous outlets. This is an outstanding record for
anyone, let alone a half-time teacher-researcher at a small college! Particularly
newsworthy at the two LPSC sessions is the great number of students involved:
14 undergraduates were co-authors of 9 abstracts. This accomplishment,
especially when one is aware that many of these student abstracts, particularly
those from Eric's Keck Geology Consortium research project "Mars 2000" held at
Goddard Space Flight Center, were of exceptional quality as judged against
junior and senior level graduate students! In fact, Eric's important contacts at
Goddard, NASA, the Lunar and Planetary Science Institute and the Air and
Space Museum of the Smithsonian has been extremely invaluable to the
department (and consequently the College) and its students. From 1996 until
this past summer, Eric has helped some 47(!) undergraduates obtain summer
funding. As mentioned above, Eric (with S. Sakimoto and C. Mendelson)
proposed and directed the research project on "Mars 2000" funded by the Keck
Geology Consortium (to use images and altimetry data to consider the geology
of a proposed landing site for the planned Mars surveyor 2003 mission). He is PI
(also with support from S. Sakimoto) for a proposal funded by NASA's Mars
Data Analysis Program (to use Mars Global Surveying spacecraft images and
altimetry to investigate the magma plumbing systems beneath Martian
volcanoes. Eric is also the PI for a new proposal funded by NASA's Planetary
Geology and Geophysics Program (to use radar data from Magellan spacecraft to
study a large (U.S. - sized) region on Venus investigating four different volcanic
and tectonic research problems. He is part of a large team of interdisciplinary
scientists submitting a proposal to the Keck Foundation focusing on the design of
pedagogically sound computational science course materials. As mentioned,
many abstracts published by him and his colleagues and/or students represent
oral or poster presentations at conferences such as AGU, GSA and LPSC. He
presented invited colloquia on his research at Johns Hopkins University and to
the Geological Survey of Canada in Ottawa, Canada. He spoke to the faculty of
the Geomechanics Section at UNR on how to build a strong successful
"community of research" in an undergraduate program. Eric was elected
secretary/treasurer of the Planetary Division of the GSA and he is currently
campus representative for that organization. He served as a member of the
NASA Mars Global Surveyor Data Analysis Program review panel. He has
formally reviewed papers submitted to the Journal of Geological Education and
Nor was Eric short in other contributions to the college community and
department. Eric gave invited lectures on planetary science topics in two of our
introductory courses, Introduction to Environmental Sciences and Planetary
Astronomy. It is clear how both the college and department benefit from such
collaboration. Eric has served on the college Committee Against Sexual
Harassment. He is also on the advisory search committee for the new director of
the Information Technology Service department. Eric served as the department
representative for the current college capital campaign. His contributions to the
department were immense. Again, Eric took over the reins of the department on
July 1. In this role he will be in a good position to continue to guide the modernization of our curriculum. Highlights of his many contributions are as follows: redesigned and implemented our new department web pages; continued to supervise our department’s library budget; co-supervised (with L. Reinen) the upgrading and maintenance of department computer facilities and helped secure hardware to augment our digital projection system; performed ongoing instruction of faculty, staff and students in the use of department computer facilities; continued to serve as the Pomona College representative to the Keck Geology Consortium, a most time-consuming responsibility; continued to represent Pomona in Project Kaleidoscope’s faculty for the 21st century, focusing on curricular reform; continued to take a leadership role in the developing Environmental Analysis Program; organized (with L. Reinen) a workshop on undergraduate research at the Far Western Section of NAGT meeting hosted by Pomona College this past April. And, if all this is not enough, Eric may be the best squash player in the Claremont Colleges!

Tim Ross – currently (fall term) filling in for Rick by teaching the Mineralogy class. Tim had taught for 8 years at Cal State San Bernardino. He is currently an Engineering Geologist with the California Department of Water Resources. His Ph.D. dissertation (L.S.U.) and much of his subsequent research has centered on Neogene extension and rotation of the Central Mojave. Thanks for helping us out, Tim!

Don Zenger - All in all, my colleagues are doing a superb job in taking us into the 21st Century. They are knowledgeable, tireless and enthusiastic and have instituted the philosophy of a merger of teaching and researching in their courses about which more will be said under programs and curriculum below. I am honored to have a spacious office in the department. Ann, my wife, seems to feel there is little difference in the pre-and post-retirement daily hours spent at Seaver South! I continue to edit the newsletter with lots of help from Lori Keala and the various technicians and, with Siân, organize the Woodford-Eckis Lectureship. I have met with several seniors with regard to their theses and hopefully have had some helpful input. I have lectured on dolomitization in Siân’s sedimentology class and have advised her on field trips and a number of sedimentology labs. I am progressing slowly on two Wyoming projects involving dolomitization – the uppermost Gallatin Limestone (Upper Cambrian) and the Madison Limestone (Mississippian); I gave a report on the former at a conference at the University of Wyoming in Laramie on “Geology of Wyoming” in October 1999. On a year-by-year basis, I continue to teach at the University of Missouri’s Geology Field Camp (27 consecutive summers!) near Lander, Wyoming. In late July, I gave a lecture on “Geology and Paleontology of Sinks Canyon” at the Visitor Center of Sinks Canyon State Park. In late June, I spent a couple of field days on phytosaur-bearing beds of upper Triassic age in the company of geologists and paleontologists from the Universities of New Mexico
and Tennessee. I continue as Associate Editor of the journal Carbonates and Evaporites and am called on a few times a year to review grant proposals and manuscripts (mostly submitted to soft-rock journals). I have continued to be a part-time assistant coach for the Pomona-Pitzer Women’s Varsity Softball Team.

Staff

We often say so jokingly but it is to a large sense the case that the secretary and technician keep the department operating! This is furthermore true because of the outstanding skills and diligent performances by these folks.

Lori Keala, our secretary of the past five and one half years, combines the skills of a secretary, bookkeeper, administrator and receptionist. All the students (she also serves as councilor(!)), faculty and staff adore her and she is so “pro-department”! Lori was an honorable mention “Staff Person of the Year at Pomona” but it’s difficult for us to imagine anyone topping her. At the commencement reception for our seniors and their commencement parties hosted by Linda and Eric, with a big hand from Lori, the students all pitched in and presented her with a gift certificate at a spa!

Our technicians have been superb. Over the past four years they have each been with us for a year following which they have begun graduate work or taught. The legion of tasks that they can pick up and master within such a short time speaks to their abilities; their work ranges from curator to mechanic to instrumentalist to laboratory assistant to computer “consultant”, etc. Most of them have been former students of our own or students at other Keck institutions (see later). Our two technicians since publication of the last Newsletter have been former Pomonans Nate Gilbert ’99, (now teaching in Ecuador) and Matt Campbell ’00 (former outstanding Sagehen footballer) now beginning graduate studies in geology at the University of Texas, Austin. Just coming on board this past September is Aurelia Walton, graduate of Beloit College; she is terrific on all counts and very well liked by everyone. We’re hoping she’ll stay beyond the normal one year tint!

Students

The number of majors have noticeably increased the past several years and, in addition, with the new geology minor these are more upperclass students than ever around the second floor of Seaver South; 13 majors graduated in 2000, 10 in 2001, and projections indicate that 11 will graduate next May. Following are the “00 and “01 graduates, their senior theses titles, advisers, and college, if not Pomona:

2000 Beth Bradley: “A New Mapping Perspective: Using Mars Orbiter Laser Altimeter (MOLA) to Remap Unit Boundaries and Stratigraphy of the Medusae Fossae Formation South of the Elysium Basin” (Grosfils; Science Undergraduate Research Project (SURP), Goddard Space Flight Center).
Matt Campbell: “The Geology of a Subduction Zone Volcano: Okmok Caldera, Umnak Island, Alaska” (Hazlett; Faculty Research Grant)
Drew Hite: “Width to Height Ratios for Barchan Dunes on Mars” (Grosfils)
Jessica Jager: “Using Anisotropy of Magnetic Susceptibility to Determine the Source of the Lower Bonanza Tuff” (Reinen; Keck Project)
Miriam Krause: “Geology of the Hellas Basin Rim Geologic Units Using MOLA Data Mars” (Grosfils, SURP Project, Jet Propulsion Laboratory)
Susan Nielsen: “The Water of the Pomona Valley Protective Association: A Multivariable Study” (Reinen; Schulz Environmental Award)
Matt Paxson: “Coastal Erosional Land Use Problems on Galveston Island” (Hazlett)
Jason Perry (CMC): “Origin and Development of Lava Tubes” (Hazlett; Faculty Research Grant).
Joel Pliskin: “Fuel Cell Automotive Technology and Potential Impacts” (Hazlett)
Phil Skemer: “Tectonometamorphic Evaluation of Ophiolitic Knockers and Ultramafic Matrix in a Cycladic Melange Unit, Syros, Greece” (Hazlett; Keck Project)
Claire Todd (CMC): “An Examination of the Impacts of the Corporate Mining Industry” (Hazlett; CMC Grant).
Amy Vithayathil (HMC): “Antigorite Dehydration and its Implications for Intermediate Depth Earthquakes” (Reinen; NSF grant to Reinen)

2001
Laura Bauleke (Scripps): “The Development of Deformation Bands in the San Mateo Sandstone in Relation to the Christianitos Fault” (Reinen).
Matt Bullock: Geology and Geomorphology of Tulik Creek, Umnak Island, Alaska” (Hazlett; Faculty Research Grant).
Garrett Miller: “The Popcorn of Spider Cave: Past and Present” (Hazlett; Faculty Research Grant).
Ben Mirus: “Sediment Load in Proglacial Meltwater Systems of the Mendenhall, Herbert and Eagle Glaciers, Southeastern Alaska (Davies-Vellum; Keck Project)
Alex Plank: “Air Circulation Mechanisms in Carlsbad Caverns National Park, Carlsbad, New Mexico” (Hazlett; Faculty Research Grant)
Yael Proskurowski: “A Paleontological Analysis of in situ Fossil Tree Trunks from the Lower Cretaceous Kirtland Formation, San Juan Basin, New Mexico” (Davies-Vellum; SURP Project).
John Singleton: “Kinematics and Structural History of Brittle Deformation along the Coast Shear Zone near Prince Rupert, British Columbia” (Reinen; Keck Project).

Andrea Stanley (Scripps): “A Detailed Sedimentological Analysis of the Middle Part of the Grinnell Formation near Going-to-the-Sun Mountain, Glacier National Park Montana” (Davies-Vollum).

Sean Williams: “Characterization of the 2050 Year Old Ignimbrite, Okmok Caldera, Alaska” (Hazlett; Faculty Research Grant)

Several of these theses (as well as other research projects) have resulted in presentations and published abstracts with faculty/student co-authors (see also section on professional activities of faculty above), including: Beth Bradley (Grosfils, 31' LPSC); Jessica Jager and Garrett Miller (Grosfils, 31' LPSC), and Miriam Krause (Grosfils, 31' LPSC); Yael Proskurowski (Davies-Vollum, Pacific Section CSA); and Sven Moller; '02 (who participated in a Keck Sophomore project) “Morphology of the Marte Valles Channel System, Mars” (Grosfils; 32' LPSC).

In the spring, four of our students were selected to participate in summer 2001 Keck projects as follows: Adam Myers - “Geomorphology and Watershed Studies of the Cannon River and its Tributaries, Minnesota (sophomore project)”; Noah Westgate and Andrew Gordon - “Igneous Geology of Vinalhaven Island, a Silurian (?) Magmatic Province, Maine” (junior project); and Zach Miller - Precambrian Tectonics and Crustal Evolution of the Southwestern United States: Insights from Precambrian Metamorphic Rocks of Southern Colorado” (junior project).

For several fall semesters now, the Science Division has sponsored a student poster conference based on summer research. In September, 2000, eight geology projects were involved and we were second to only biology in number of presentations!) Many of these represented thesis work referred to above, but also included a couple of non-thesis research projects: Katherine Frank on MTBE pollution in the Colorado River (Hazlett advisor) and Jeremy Wertheimer on serpentine dehydration and intermediate depth earthquakes (Reinen advisor).

Considering the number of separate research papers within our “regular” courses, not to speak of those in our innovative “Research Methods” course, I hope one appreciates the extent to which the department has incorporated research into our curriculum.

We have three major student awards that are presented on Class Day, (Saturday before commencement). And were presented as follows:

**Richard E. Strehle Memorial Award in Geology**
1999-2000 - Jessica Jager, Miriam Krause
2000-2001 – Ben Mirus, Andrea Stanley
Donald B. McIntyre – H. Stanton Hill Geology Award
1999-2000 – Beth Bradley
2000-2001 – Beth John, Garrett Miller

Mason L. Hill Geology Award
1999-2000 – Drew Hite
2000-2001 – John Singleton

In addition, usually given at the Woodford-Eckis Lectureship dinner are these two prizes:

Isabel F. Smith Award
1999-2000 – Claire Todd (CMC)
2000-2001 – Andrea Stanley (Scripps)

Donald H. Zenger Award
1999-2000 – Garrett Miller
2000-2001 – John Singleton

PROGRAMS AND CURRICULUM
In the fall of 1999, with the addition of Siân Davies-Vollum, the department conducted a self-study initiated by a week-end retreat to consider the departmental future. For the past half dozen years the department, with considerable credit to Linda and Eric, focused on improving two aspects of the curriculum:

1) the integration of faculty/student research by way of relevant geologic problems within and without the classroom (this emphasis on student and faculty research was also mentioned in the description of faculty activities), such as research within established courses (including the previously described “research methods”), independent projects, and, of course, senior theses, and

2) an increase in honing the mathematical skills of our students via the inclusion of more math content in our standard courses and the introduction of a new course by Eric (see above), geomathematics.

It was unanimously decided to continue this approach while at the same time not neglecting the basics. In fact, in addition to continuing Rick’s field class in the “Poleta Folds” area each May, a new course entitled “Field Methods” is slated for inclusion in our curriculum in 2003-2004 when the faculty will be back at full strength following a series of sabbaticals. It was furthermore agreed to place greater stress on environmental issues. A review of the department by an outside team (Drs. Randall Richardson, U. of Arizona and Mary Savina, Carleton College) was conducted in April, 2000). They found the departmental personnel to be a most positive aspect of their review; faculty members were found to be hard-working and
strong through their uniqueness and diversity. They were commended for their collaboration with other professionals both in and outside the college. With a few exceptions (see below), the reviewers felt very positive about our curriculum and research opportunities for students. The department was deemed to be in good shape resource-wise and financially. Drs. Richardson and Savina did offer advice and a number of challenges such as: assuming the number of majors and course enrollments continue to increase, the number of full time equivalents (FTE's) should be also increased as should the staff (i.e., secretary and technician) hours during the summer; offering courses in paleontology and tectonics or including such material in other courses; with regard to building renovation (see below), consideration should be given to future computer and microscope needs and expenses (i.e., maintenance and replacement); developing a practice of mentoring each other on a regular basis to gain a greater degree of self respect. Partially as a consequence of the review, the department submitted an excellent "position paper" to justify the recommended increase from 3.0 to 4.0 FTE's. The administration, acknowledging the eloquence of the proposal based on the need for an additional FTE in order to adequately cover the spectrum of geoscience, concluded that they could not now or in the foreseeable future provide the necessary funding for an additional full-time person.

The newly established five tracks, several being offered in cooperation with other departments, were presented in the last newsletter but are repeated here: (1) geology (the standard major with several new courses such as hydrology, remote sensing, research seminar, geomorphology, planetary geology and geomathematics); (2) Environmental Earth Science; (3) Earth, Planetary and Space Science (with astronomy); (4) Public Policy Major in Geology; (5) Geochemistry. A list of courses follows showing our new scheme of categorization and numbering.

**Introductory Level Courses**

20A. Introduction to Geology: Geohazards (Reinen)
20B. Introduction to Geology: Planetary Geology (Grosfils)
20C. Introduction to Geology: Environmental Geology (Davies-Vollum)

**Intermediate Level Courses**

105. Geomorphology (Davies-Vollum)
110. Remote Sensing of the Earth’s Environment (Grosfils)
115. Hydrology (Reinen)
120. Paleocology and Paleoclimatology (Davies-Vollum)
125. Earth History (Davies-Vollum)
127. Mineralogy (Hazlett)
135. Introduction to Geomathematics (Grosfils)

**Upper Level Courses**

150. Research Methods (Staff)
181. Igneous and Metamorphic Petrology (Hazlett)
183. Sedimentology (Davies-Vollum)
185. Structural Geology (Reinen)
192. Senior Project (Staff)
199. Selected Topics in Geology (Staff)

As mentioned above, a new course, “Field Methods” will be introduced in 2003-2004 and will not replace Rick’s 10 day summer mapping project each May (note that either Rick’s field course or an approved summer camp field experience is required of each geologic tract major).

Thus there is a large range of “specialties” provided. Again, many of these courses beyond those geared directly toward research, attempt to integrate standard classroom presentations and research.

The newly designed geology minor requirements consist of: one introductory course, earth history, mineralogy and three other electives numbered over 100 but excluding 192 and 199.

We have participated in the Keck Consortium of small college geology departments since its inception in 1986. Although the Keck Foundation has been phasing out its support, the consortium has obtained some other financial backing (e.g., National Science Foundation) and there are ongoing efforts to procure more funding. Some 60 of our students have conducted research through this program. A very rough estimate would suggest that Pomona’s Geology Department has realized more than $400,000 from Keck and NSF for our share in the consortium; we are, of course very appreciative for such generous financial support.

In an attempt to introduce greater equality into our system of scheduling the steps of developing senior theses, largely through the initial efforts of Rick and followed up by Linda, we now have a rather intricate but hopefully equitable system in operation. These are firmly adhered to deadlines for the various stages of preparation. Following turn-in of the projects (which is the single most important factor in determination of the overall grade), review and critique by the theses advisors, and final submission, we hold a symposium at which the seniors give oral and/or poster presentations in G.S.A. format. Generally these
presentations are very good and some worthy of inclusion at a professional meeting, I feel.

Beginning more than two decades ago, we have strived to expose our students to professionals beyond our own faculty. The most significant activity in this regard is our annual Woodford-Eckis Lectureship, held usually early in the spring semester. (Most of you are aware of this lectureship and in our recent solicitation for news we included an invitation to you, if interested, to submit your name if you wished to be on a list from which we could select some invitees to the lecture and dinner; this list can be emended from year to year to give others an opportunity to attend). In 2000 we were blessed by having Dr. Jan Tullis, Brown University, one of the premier rock mechanic specialists, as our Woodford-Eckis lecturer. She was a delight for all, Jan’s main presentation was “How Rocks Flow and How we Know” to an audience of about 100. The following day, she presented a seminar (see list of seminars below) on her research on microstructural aspects of deformed crustal rocks. This past February we departed from our normal routine and featured a married couple, who so many of you know, Calvin Miller ’69 and Molly Miller. They both taught here as sabbatical replacements in 1976 – 1977 as they were completing their doctorates at UCLA. Under the arrangement this year, Molly gave the evening lecture, “Antarctica: Tales from the Earth’s Past, Clues to its Future” and the following day Cal presented “Granite as Builder and Historian of the Crust”. They were a big hit and their visit was especially appropriate as their son Zachary is currently a junior major!

Our seminar series (outside speakers) again was popular and from winter 2000 through May 2001 consisted of:

Dr. Jan Tullis (Brown University)
“Interpreting the Microstructural Record in Deformed Crustal Rocks”

Drs. Philip J. Sakimoto ’76 (NASA) and
Susan E.H. Sakimoto (University of Maryland and Goddard Space Flight Center)
“NASA, the Universe and You: A Sagehen Summer on Mars”

Dr. Joyce Lundberg (Carleton University, Ontario, Canada)
“Isotope Stage II Superglaciation: A Speleothem Record from North Norway”

Dr. Eric Riggs (San Diego State University)
“Opportunities in Geoscience Education Research”

Dr. Roy Shlemon (Roy J. Shlemon and Associates, Inc.)
“Ground Fissures in the Southwestern United States: An Increasing Challenge to the Geomorphologist and Engineering Geologist?”

Dr. Tim Parker (Jet Propulsion Laboratory)

“Ancient Oceans on Mars”

Dr. David Sparks (Texas A & M University)

“Deformation of Granular Materials and Modeling of Faults and Landslides”

Dr. Robert Cushman (Loma Linda University)

“Keys to the Past: Plant Microfossils Tell the Story”

The weekly “Quake” is an intradepartmental newsletter distributed to faculty, staff and particularly students announcing events such as outside speakers, curricular matters, etc. Late Thursday afternoons, in the Woodford Reading Room is held our weekly “Liquidus”, primarily a social gathering with refreshments and commonly informal student or faculty presentations. These “liquidi” are organized primarily by our liaisons who have been doing great jobs. By the way, the liaisons over the past two years have included Beth Bradley and Susan Nielsen (both ’00) and Garrett Miller and Ben Mirus (both ’01).

This past April, our department, with contributions from outside speakers and field trip leaders, hosted the N.A.G.T., Far Western Section, with about 50 in attendance. The main organizational effort was provided by Sián with great support from Matt and especially Lori. On Friday night Dr. Ann Blythe (U.S.C.) delivered a talk on her favorite subject “The Structural and Topographic Evolution of the San Gabriel and San Bernardino Mountains” followed the next day by field trips: Cajon Pass, led by Rick Hazlett; Upper San Antonio Canyon (with snow!) led by Dee Trent (Emeritus, Citrus College and Jon Nourse (Cal Poly, Pomona); and Front Range of the San Gabriels led by Larry Herber (Emeritus, Cal Poly, Pomona). The Saturday night banquet was held in the Buena Vista Banquet Room of the Claremont Inn and featured Dr. Rob Bloom’s address “Routes in the Southern Arabian Peninsula – Using Remote Sensing in Geoarchaeology”. On Sunday, snow again thwarted the field schedule but half­day excursions included Icehouse Canyon (metamorphic petrology; Recent processes) led by Hazlett and Trent and a visit to the fantastic Ray Alf Museum at Webb School, with which many of you former earth history students are familiar. If I may inject a personal note, it was very nice for me to have a chance to visit with two former Sagehens who have been very active in this section (FWS) of the NAGT, Gene Pearson ’67 (College of the Pacific) and Garry Hayes’ (Modesto Community College); Gene is currently president of the FWS and will be followed in office by Garry. Good luck to you both!
In the last two newsletters I reported on the future renovation and upgrading of the science buildings. The Andrew Building (attached to the east end of Millikan Laboratory) containing classrooms for mathematics and physics, was completed in time for the spring semester of 1999-2000. Seaver North (Chemistry Department) was renovated over the 2000-2001 and was in operation for the current academic year. Things are still uncertain regarding the Geology Department. In the last newsletter I thought it safe to say we would be in the same quarters. It appears that I now can say with certainty that we will not be in Seaver South!! At the moment, Seaver South renovation is tentatively scheduled for 2004. Whether we will at that time move directly into a new building, possibly on the site of Baxter Medical Building, or whether we will need temporary quarters is unknown at this time. Other departments are involved so there are a number of factors to be considered, not the least of which is financing! We should know more by the time of the next newsletter 2 years from now!

Our X-ray diffraction (XRD) data collection was upgraded in a joint venture with chemistry and physics (for years now the physicists and chemists have used our rather antiquated system although it has been primarily under our jurisdiction). The department computer facilities have been expanded. We acquired a digital projection system. Other new equipment includes two Dell Plentium III desktop computers to accompany six other desktops (four Mcintosh and two Gateway Plentium II computers) with software, a high resolution printer, a laser graphics Personal LFR plus digital film recorder (slide maker) and two Sun Ultrasparc workstations, acquired just prior to the last newsletter going to press, and a Beckman-Coulter laser based particle size analyzer for Siân’s sedimentology lab.

Before closing this introduction I would like to thank those who have responded to our solicitation for alumni news; the number of responses was quite good.

On behalf of the department, I would like to express our sympathy to the friends and relatives of those alumni who have passed away over the past two years (see the necrology just after the “Alumni News Notes”). Sadly, we report the recent death of a good friend of the department, Dr. Dorothy (“Dottie”) LaLonde Stout. Dottie was a true educator and had a most distinguished teaching career at Cypress College. She was well-known in geologic education circles, primarily owing to her offices in the NAGT and also to her organization of widely acclaimed summer field trips to various parts of the world.

There may be more in this section than you want or need (!) but it you would like additional information, please turn to our website (well organized and illustrated by Eric) at http://www.geology.Pomona.edu.
ACKNOWLEDGMENTS

The bulk of this newsletter has been put together by Lori and Aurelia and to them go my gratitude and the main credit for this report.

Don Zenger
Rosalie Davis Matlovsky '36 says, "living a long time is hard work." Nevertheless she is still busy teaching American Social Dancing in South Pasadena and at Pasadena City College in the extended learning program along with her husband. They attend many dinner dances, three dance clubs, and entertain at retirement homes. Her eyesight is failing and she is now legally blind which she remarks is "very inconvenient, but life goes on." She and her husband attended her 65th class reunion at Alumni Weekend last spring and really enjoyed it.

Jack Schoellhamer '42 is still at the same place doing the same old thing. Arthritis has slowed him down a bit, but he says he can't complain at 81 years. He sends his regards to all.

Jack Vedder '48 after more than 50 years both as a Research Geologist and Scientist Emeritus with the USGS feels the time has come to break away. He says the experience was exceptionally challenging and rewarding. He still frequently corresponds with Thane McCulloh '49 regarding biostratigraphic correlations in Southern California. They are both concerned with the present-day neglect of such paleontology based studies. He and Diana continue to enjoy their "refuge from the rat race" in Magdalena, New Mexico. They recently received a visit from Pat and Art Krause '48. He says that the surrounding area is ideal for geological and archeological excursions that are far removed from the ordinary tourist destinations.

Thane H. McCulloh '49 continues to work with the USGS as a volunteer and will be publishing a major report entitled "Mountain Meadows Dacite: Oligocene intrusive complex that welds together the Los Angeles Basin, northwestern Peninsular Ranges, and Central Transverse Ranges, California" late this year as a USGS Professional Paper. The coauthors are L.A. Beyer (USGS) and R.W. Morin, paleontological consultant. "This report brings to a new level of work begun in the early 1940's by A.O. Woodford and John S. Shelton, helping close an important circle."

Dudley Gray '53 has moved with his wife to Vero Beach, Florida in October 1998 after living in Colorado for 8 years. "We are healthy and happy and really like our new location on Florida's east coast. The activities we most enjoy: tennis, clay target shooting, and fishing, all readily available with the occasional hurricane as about the only downer."

Warren D. Pederson '53 is still part time consulting, mainly "interpreting monitored, and surveillance data collected by owners of a number of dams and
reservoirs in Southern California. Occasionally, I am retained to evaluate geologic and foundation conditions of dam sites during pre- and early design stages.”

Richard Duenckel '54 and his wife are proud to announce the birth of their first grandchild, Richard Geoffrey Duenckel born April 30th, 2001 to their daughter. She is married to Tim Melnarik who will be eligible to receive his PhD in English at Claremont Graduate School by the end of this year. Richard’s wife, Shirley organized a 70th birthday party for him. “Some thirty family and friends attended, it turned out to be a blast. Good food, lots of memories and just plain old getting together.”

Walter Gulick '60 wrote: “Life has increasingly taken on an international cast for me. In 1999 I taught a course in comparative ethics in the Netherlands. In 2000 I taught “Castles and Cathedrals” on site in Hungary, Slovakia, Czech Republic and Austria. Later in the summer, my wife and I traveled around Scotland. Sure enough for Pomonans all roads lead to Perth. Barbara and I spent some delightful time with Donald and Ann McIntyre. Spring semester 2001 I served as a Fulbright Scholar teaching Business Ethics, English, and American History in Moldova – truly a fabulous time for us.”

Douglas W. Sprague '62 is currently working on a stream restoration project, on Fish Creek a tributary to the San Gabriel River. The project will return a reach of the creek to its premining configuration, with the creation of riffle-pool and boulder-bar complexes and re-establishment of alder/willow woodland habitat. At the same Southern California mine site, he is also designing a grading and revegetation program to naturalize a highly visible quarry face. This includes re-establishing natural drainages, tributaries and micro-catchments for plantings. “Anyone want to run a D-9 Cat. or a hydroseeder? His bug eyed Sprite may be seen cruzing PCH on weekends.”

Bob Dickey '64 left AGRA Earth & Environmental early 2000 to form Constant & Dickey, Geoscience, a geotechnical consulting firm in Anaheim. He is currently working on hillside grading in John Shelton’s Glendora volcanics, on a RR lowering in Santa Ana Canyon for Placentia, on an underground garage for Cerritos and lots of hillside residential defects litigation. His wife Marianne, is a nurse/analyst for Adventist Health statewide working from home in Orange. Both boys John '90 and Matt '93 are working in San Francisco.

Robert C. Michael '66 wrote: “Whatever your political orientation, you can’t deny that Bush/Cheney and the so-called ‘energy crisis’ (redux) has been a ‘shot in the arm’ for the Rocky Mountain oil patch – which is exactly my business (specifically, oil and gas leasing on Federal and State lands in Wyoming). I’ve been enjoying some things I could never quite afford before, like an Inside
Passage Alaskan cruise in July (what an incongruity, a floating luxury city next to some of the most hostile terrain on the planet)! In June 2000, I had major surgery to re-construct a knee, which finally gave out after three serious injuries over my lifetime (rock-climbing, volleyball, falling on ice). I found out what it was like NOT to be able to do all the fun physical stuff I’ve taken for granted all my life. My first real serious ‘reality check’ that this ‘mortal coil’ doesn’t last forever. After a year of recovery, I’m back climbing peaks and playing volleyball, thanks to the miracles of modern medical science.”

Gene Pearson ’67 enjoyed visiting the campus and spending time with Don Zenger when the Department hosted the Spring 2001 NAGT-FWS meeting. “Sian and Rick were fantastic hosts.” He has been working at the University of the Pacific for thirty years and is enjoying this year as much as the first. He has his students to thank for helping him “forget” his aging process. Their department recently moved into a refurbished permanent home with wide hallways (for displays) and natural lighting (skylights). They even installed excellent equipment and furnishing thanks to grants from Keck and Parsons Foundations. He visited Alaska and Glacier Bay this past summer and had a wonderful time.

Tom Doe ’71 is still in Seattle and diversifying his fracture research interests from nuclear waste work in Sweden, Japan, and Nevada into petroleum areas with projects in the Middle East and offshore Vietnam (granite-hosted reservoirs?). Visit his group’s website at http://fracman.golder.com.

James A. Secord ’75 has had a busy eighteen months starting with a wonderful trip to Australia. He continues to teach and research in the Department of History and Philosophy of Science at Cambridge, where many of his students are from geology. Highlights include winning the Sue Tyler Friedman Medal for 2000 from the Geological Society, and promotion to the rank of Reader. The most important event was the publication of his long in-progress book: *Victorian Sensation: the Extraordinary Publication, Reception, and Secret Authorship of Vestiges of the Natural History of Creation* (Chicago: University of Chicago Press).

Allen Glazner ’76 “This summer marks my 20th year on the faculty at the University of North Carolina at Chapel Hill. Yikes! Mary (’78) continues her work as a surgical pathologist at the local hospital. Chris is now 16 and thinking about college. This summer he visited Nicaragua as part of a Witness for Peace delegation. Jenny is 13 and entering high school. I continue to do all my fieldwork in California and manage to get out several times a year. My work has shifted from the Mojave Desert to the Sierra Nevada, and I have projects in both Yosemite and Kings Canyon National Parks. This has been a welcome change! Much of the most recent Mojave work will be coming out early in 2002 as a GSA
Memoir that I co-edited. I’m in the middle of my 4-year term as co-editor of the Geological Society of American Bulletin. Mary and I made it out for my 25th reunion in April; alas, none of the other geology majors of ’76 were there, but we had fun anyway. The campus has certainly been spiffed up in recent years. I continue to run, do triathlons, and fly whenever possible.” Check out his web page at: www.geosci.unc.edu/faculty/glazner/glazner.html

Ed Reyes ’76 has been working for Aerial Information Systems (AIS), a small company in Redlands, for 22 years now doing Geographic Information System projects as diverse as utility and parcel data conversions, 3rd party quality assurance, and photointerpretation of land use and vegetation. “As you can tell from my longevity, AIS is a fun and rewarding place to work.” These past few years he has worked on land use field surveys for Southern California and the State of New Jersey, and field reconnaissance and photointerpretation of vegetation types for National Parks such as Scotts Bluff, Fort Laramie, Agate Fossil Beds, Yosemite, and Sequoia-Kings canyon. He and his wife, Janet have two boys, Matthew who is 10 and Stephen who is 7. Janet is now working part-time at AIS. “As the kids get older we are gradually increasing our level of the boys’ extracurricular activities (which of course always involve the parents too).”

Scott Borg ’77 and his wife Terry, are still in the Northern Virginia town of Vienna. Terry finished her Masters Degree in Education a couple of years ago and is now working in the computer and technology field in the Fairfax Country Public School system. Their son Lane is now a senior in high school and has started to review college options – he has a strong interest in mechanical engineering. Their daughter Karis is in middle school with a fast growing interest in languages. They took a major family trip to Europe last summer, which introduced their kids to Germany and Italy. Scott is still working at the National Science Foundation with the US Antarctic Program. His work remains interesting because of the breadth of the program. “The current political controversy surrounding the US position on the Kyoto Protocol and global warming may well shape efforts in climate and paleoclimate research, including our effort in Antarctica, for a few years to come. If any friends find themselves in the DC region, we’d love to have a visit.”

Garry Hays ’80 is still teaching geology at Modesto Junior College (12 years now), and is continuing to serve as a vice-president for the National Association of Geoscience Teachers, Far Western Section. “I had a great time visiting Pomona College last spring during the NAGT Conference held there. Lori, Sian, Rick, and all the others did a great job. I was proud to show off Pomona to several of my students. I recently organized our first international field trip, with Scotland as our destination. We had a delightful time, with uncharacteristically good weather, little rain, and few midges. Our local tour guide (an economy major) was rather amused at our tendency to run towards rock outcrops and
more or less ignore castles. I was privileged to be able to have dinner with Donald McIntyre in Inverness. He was looking great, and regaled my students with stories of geology in the UK and US over the last 50 years.”

Scott Stevens 81’ is “continuing to consult on a variety of topics, mainly coal bed methane (CBM) exploration and emerging R&D area of geologic sequestration of carbon dioxide, I find that my ‘generalist’ Pomona geo training is serving me well.” Some of his favorite projects include Indonesia and China CBM (7 trips there last year, including the AAPG-Bali conference, where he gave two talks and snorkeled off the remote and beautiful Lombok Island), a study he just began on natural CO₂ deposits (linked with the European geologic surveys, “who really know how to arrange boondoggles…er, I mean field trips – Source Perrier as a research site?!”) and an evaluation of the Magallanes coal basin on the “picturesque but chilly Straits of Magellan. But all that sounds far too glamorous. A more accurate assessment might be: ‘spread too thin, taking on water,’ much the way I always felt at Pomona! Welcome to all geo grads while visiting the Washington, D.C. area.”

Lorraine Schnabel ’81 wrote: “last year I worked on my biggest construction project to date. Alex Schnabel Cavallo and Philip Schnabel Cavallo (Babies ‘A’ and ‘B’ respectively!) were born on August 3, 2000. I have no memory of the first three months of their lives at all, but somehow we must have gotten through it, because they are both nearly walking! They are good-tempered little boys, which is a good thing because their sister, Julia, who turned 4 in May give them a run for their money. We are still living in Trenton, New Jersey. Greg Cavallo, my dear (geologist) husband, is still working for the Delaware River Basin Commission doing modeling and monitoring of groundwater resources. He seems to enjoy the combination of politics and science. I returned to work in January of 2001, and have been involved with a variety of interesting projects. An extensive study of the marble of the Barnard sculptures of the Pennsylvania State Capital has occupied much of 2001, and included testing a variety of consolidation treatments. I also did an exterior study of the Arkansas State Capitol (Batesville “marble”), and developed cleaning methods and a marble maintenance manual for the interior. One project currently under construction—a 25 story brick and terra cotta office tower in downtown Philadelphia being converted to a Marriott. The spring was busy with meetings, including a symposium on the conservation of ‘brownstone’ (ah, don’t you love the technical geological terminology?!), a colloquium on mortar analysis, and the annual American Institute for Conservation meeting where I made a presentation on the history of stone conservation in the 19th and 20th century. Life is reasonably happy and we are healthy. Hope the same is true for all of you!”

Carol Buchanan Shestag 82’ is still enjoying life in Ventura and is in the midst of home improvements such as a new kitchen, new french doors, new driveway,
sprinklers, etc. Her husband, Steve (CSU San Diego ‘82; Geology) is the Environmental Manager for Chemical Remediation at Boeing. Carol continues to work as an environmental consultant doing lots of hydrogeologic characterizations and installation of remediation systems at aerospace and petroleum refineries. She is able to bike to work during the summer because her work is only 4 miles away.

Daniel Perry ’87 wrote: “I sit writing at my desk in the morning shadow of Castle Rock in Boise, Idaho. With a population of 150,000, the City of Trees is the Gem State’s capital and cultural center. My partner, Shauna Smith, her two children, Kellen, 11, and Verlee, 13, and I have lived here for the last 3 years and finally moved into our new home in January of this year after nearly 2 years of remodeling. We both are violinists who teach and perform so have integrated 2 private studios into our home and continue work with the Boise Philharmonic and other regional orchestras. Last winter we were on the faculty of the Sun Valley Music Conservatory but decided the weekly commute was killing us both physically and psychologically so will decline the invitation to teach there this fall and will instead spend more time closer to home. This year we plan on enjoying a more active performing career with our own chamber group, skiing Bogus Basin and then soaking in our hot tub. This June we took the kids on a car camping tour of the local National Parks. Within 2 weeks we experienced the lunar landscape of Craters of the Moon National Monument, explored the lava tube caves, were nearly knocked out of our tents by the tremendous thunder storms of Grand Teton National Park, visited Old Faithful in Yellowstone where we also were lucky enough to see a grizzly (a reminder of my Alaska days), and topped the trip off with the mountain goats of Glacier National Park. The next Yellowstone trip will probably involve winter camping and a nordic ski tour of the hot springs. Although I have not seen much of Alaska these past few years, Shauna and I did get up to Sitka this spring for 10 days of blissful rain forest camping, hiking, and sea kayaking. We also attended several world-class performances by the renowned Sitka Music Festival musicians, which included Jack Sanders on guitar, the concert partner of my old violin teacher from Pomona College, Clayton Haslop. We now have plenty of room for visitors so please feel free to drop us a line and stop by to say hello and enjoy some reminiscing and local entertainment, be it in the nearby mountains, rivers, or in town (or back yard). Stay in touch and keep those wild spaces near you alive.”

Cara Davis ’88 is still at Exxon Mobil Upstream Research Co. in Houston and is now Team Lead for the Geochemical Field Studies group (reservoir geochemistry, oil quality, seep surveys). “Not as much travel as in my Peace Corps days, but at least I have gotten to go to Brazil and Mexico. My husband and I started playing with a bluegrass/country/rock band earlier this year so I’ve dusted off my violin (or should I say fiddle) and am learning mandolin. Last
year we bought some land on the Big Island of Hawaii and dream about moving out there someday to start some sort of guest ranch (it’s 65 undeveloped acres of ohia/guava/kukui nut forest on the slopes of Mauna Loa!) But for now it’s the concrete forest of Houston.”

LeAndra Archuleta ’93 moved from Los Angeles to San Francisco last February. She has been working with an environmental consulting firm (ICF Consulting) for the past three years. Now she is working with California utility companies to implement residential energy efficiency programs. By promoting energy efficient light bulbs and appliances, they hope to prevent black-outs in California. She is now the Chair of the Career Development Alumni Committee for Pomona. “It’s been great to get back on campus, work with alumni, and volunteer for the college.” She got engaged to Dylan MacDonald (Wesleyan ’88) on New Year’s Eve and they are planning a fall wedding in San Francisco. (Note: Don Zenger saw LeAndre at the recent Homecoming weekend and she is now indeed Mrs. MacDonald!)

Karen Franz (CMC) ’97 is now at home in the Netherlands, starting the masters program in Public International Law at the University of Leiden (she is most interested in sea and water-related law issues). She is also working as the IT officer for an international dispute resolution organization. “That’s the scoop, otherwise, causing as much trouble as I can in my free time — all alumni welcome to contact/visit if they meander over to this part of the planet.”

Evan Bilstrom ’96 has decided to ditch teaching and go to medical school. He has accepted an offer to Oregon Health Science University in Portland, so he will be in Portland for at least another four years. He can’t wait to get started!

Christian Schumann-Curtis ’96 wrote: “Greetings from Denver. There’s a pile of fun things going on here. First of all, I want to apologize for not delivering the DOQ of the Turtle Mountains as I promised. I haven’t forgotten. In fact I think we just added to our technological capabilities so that we can do it more cheaply than I’d originally planned. That’ll be good. We had snow in June. It was a rather mild winter as usual with later blizzards in the springtime than usual. I’ve been to 2 family reunions and then Whitewater rafting in June. On the rafting trip my wife fell overboard. That was on the exciting side. She’s fine. Last time I sent an update I was president of my own GIS consulting company, Front Range Ortho GIS Consultants, Inc. (FROGIS). Another company, Pixxures, Inc., bought us out for a comfortable sum last year so we signed on as their technical team. Pixxures supplies aerial and satellite imagery from a wide variety of sources including commercial satellites operated by Earthwatch and Space imaging, declassified Russian spy satellite imagery (Area 51 anybody?), and a wide variety of aerial photography sources soon covering massive swaths of the United States. I’m manager of R&D in charge of the software development team.
I've trained a couple dozen folk on software and procedures. I am the technical support chief for 5 Production centers in the US, Canada and Australia. I could use some more staff. The CEO of Pixxures happens to also be a Pomona alum (Brian Webster. I don't know what year. Not the Geology department). We're still waiting on the adoption. We've been on the waiting list for over a year now. It's a long wait. If anyone out there knows somebody who could be considering adoption I have brochures and pamphlets, extremely helpful and informative that could help them and/or help you talk to them. We're thinking we'll try foreign adoption next time 'round. My wife is graduating Summa cum Laude from Metropolitan State College of Denver with a Biology major and Chemistry minor. Far more science than I could possibly handle. We'll be heading off to her naturopathic medical school in Portland, OR next year. I've got to finish up my master's thesis here at the University of Denver, School of Civil Engineering, GIS concentration <cringe>. I hope this finds all of you happy and well. Have fun.”

Brian Lehnerz '97 wrote: "Most recently, Susie Bawn ('99) and I tied the knot on May 12th in Kauai, HI - on Poipu Beach to be exact. As you might recall, we met at Pomona during Susie's freshman year! Yet another Pomona love story - please, hold back the tears. Rick would have been proud - we spent a week on the Big Island where I dragged Susie out to the Kilauea lava flows. The hike was long (~4 miles) and hot, but we viewed some spectacular surface flows and skylights - simply amazing! As for the 3 yrs and 11 months prior, they were very busy. Susie is working for the University of Colorado Health Sciences Center (UCHSC) doing research for pharmaceutical companies. She thinks she's smarter than me, but I beg to differ! Unfortunately, I never stuck to the Geology career path. Although I still consider myself a Geologist at heart, my long-term career is in Information Technology. Specifically, I've been through 5 IT jobs in the past 4 years - everything from a COBOL programmer (yuck) to a Network Administrator (too much work), to my current role - Sales/Systems Engineer (AWESOME). I now work for a great company, Inflow, Inc. (www.inflow.com). We do colocation/hosting (look it up). Prior companies included Keane, Inc., AT&T Broadband, & Compaq Computer Corp. Needless to say, my Liberal Arts degree helped in many ways - I feel like I can do just about anything, and if I don't know it, I'll learn it. Liberal Arts taught me that life & work boil down to two words - COMMON SENSE. OK, and it taught me about the history of the Universe. As for the important stuff, Susie and I are living back in Denver, CO - close to family, friends and MOUNTAINS. I've reacquainted myself with the joys of backpacking, skiing (I've destroyed my knees), four wheeling (hee haw) and most importantly, enjoying life! We bought a house (prior to getting married, thus the delay) with a big yard and 2 Golden Retrievers - Sasha and Cody - to go along with it. (I lied; the dogs didn't come with the house). I'm definitely not going for the white picket fence though! - the dogs would eat the fence anyway. The only thing that's tough about owning a house and having a
degree in Geology, is that you want to landscape and decorate everything with rocks. Heck, I wanted a yard of solid dolomite, but Susie wouldn't let me. Yes, life can be difficult."

**Peter Leth ’97** is working in Cambodia on an AusAid project at the Ministry of Education to computerize the grade 12 national examinations. He is responsible for knowledge transfer and sustainability of this project, which means he works side by side with Ministry employees in database and network development, management and applications. Because most government employees do not speak English, he has been having fun communicating in the Khmer language! He will be working on this project until 2002, at which time he will join the State Department in Washington as a US Foreign Service Officer. He is also getting married to Ms. Veasna Chea in Phnom Penh in February. “She is a wonderful woman, of course, and is a human rights lawyer with the UN.” In terms of geology, he received his M.Sc. in geophysics from Brown University earlier this year.

**Caroline Harris’98** after some interesting experiences traveling in Asia, has begun the Master’s program at Northern Arizona University in Flagstaff. She is working on P-T-t paths related to a metamorphic core complex in southern Idaho/northern Utah. Her advisor is Tom Hoisch (’79), a former Pomona graduate.

**Nathaniel Gilbert ’99** was at Science Camp in the middle of nowhere and says: “Well, it’s all over now. We sent the delegates off at the airport today after doing all kinds of fun good-bye things. Yesterday we stopped at the Greenbrier Hotel and Resort where we first had a tour of the formerly top-secret fallout shelter for Congress that is built under the hotel. It’s huge! I guess it was exposed by a reporter in 1992 and then opened to the public in 1995. They have pretty much anything you can think you might want for a fallout shelter in there. Medical facilities, huge generators, and lots of freeze-dried Chicken a la King. Following this, we had an amazing luncheon at a banquet hall in the hotel, which is very posh by the way. Then we had a tour of the hotel and grounds. The Hotel has been in operation since the early 1800s and offers thing such as skeet shooting, off-road Land Rover driving, and 3 18-hole golf courses (yes, three). Following the gorge-fest of yummy food and decadent desserts we drove to Charleston and took up temporary residence at the local chapter of the Scottish Rite, some branch of the Masons. They served us another banquet and we had a slide show and reflection time for the delegates. The rest of the night (midnight till four) we spent on a riverboat. We churned up and down the river on the three-story boat. One floor had the dance-party action, and the other two had sleepin’ action and chillin’ action. So this camp gets two thumbs up from me. My job was pretty cool because I pretty much just took photos all the time. Well, half the time. The other have was spent in the dark room. This could be interesting at times but we
didn’t really have time to get really artistic so it was mostly just dark. Not bad, just dark, which can be bad at times when you want to be doing fun things outside. The overnight trips were great though and I photographed a climbing day trip once as well. We spent a whole day river kayaking a while ago...I love that...hadn’t done it before. Had a trip to D.C., saw the Holocaust museum, quite amazing. 95% of the delegates were outstanding, inspiring, intelligent kids who were so well behaved most of the time that it was almost scary. An overall good time!”

John Bershaw ’99 has been traveling around in Europe and Costa Rica and has now moved to Oregon, where he worked delivering pizzas. Then he continued his education as a counselor for “at risk” teens in an outdoor wilderness survival school. He then flew to Hong Kong last July “to follow the good scent wherever it felt like taking me.” He ended up traveling by foot, boat, train, bus, and donkey cart across China into Kashmir and then back eastward through India, Thailand, and Cambodia. It took 8 months and only cost $2500. In March 2001 he returned to central Oregon where he lives with Angel Lee (’01) in a secluded cabin surrounded by ponderosa pines. “I still work with naughty boys and girls outdoors.”

Jessica Jager ’00 is enjoying grad school working on a project doing geomorphology in the Owens Valley area. More specifically, she is looking at the ages of the surfaces of terraces in the Waucobi? Embayment, and is determining the amount of slip on young faults that show offset in the terraces. This last summer she T.Aed a 6-week summer field camp in the White Pine Range, Nevada. After that she traveled cross-country and visited Karen at Brown University and then ended the summer with more fieldwork in Owens Valley.

Miriam Krause ’00 wrote: Talofa lave, fellow alumni! Here I am in Independent Samoa (that’s northwest of American Samoa), teaching science to high school students as a Peace Corps Volunteer. I’m having lots of fun, and I’ll be here until December of 2002, so if any of you are in the Pacific between now and then just drop me an e-mail and come visit!

Mathew Bullock ’01 is now living in Prague, Czech Republic for the year working. He says is has been cold and rainy but that it is a pretty nice place.

Beth John ’01 is working for a ground water geology company in Pasadena and doing quite a bit of fieldwork.

Garrett Miller ’01 Wrote: “Summer 2001: “A Ruined Summer”: The summer craziness began with a whirlwind tour of London with my father. Then off to Greece where we explored the ruins of Athens. No trip to Greece is complete
without cruising around the islands, so of course that was next. Stayed on Santorini (really cool flooded caldera, complete with active fumaroles) and Mykonos. Back in the US, fellow alum and friend, Sean Williams, and I headed into the Sierra for a blissful trip to the Kaweahs. Two days after the Sierra, I found myself adventuring in Peru: the Amazon Jungle, Machu Picchu, Lake Titicaca, the Cordillera Blanca (wow!) The rest of the summer will be spent in the wonderful Northwest and will be occupied with climbing, sailing, and general adventuring. Fall 2001: I begin my doctoral program at Yale University in the Forestry and Environmental Studies Department. I will be studying hydrology there, looking at pollutant transport through different aquatic systems; and hopefully looking at the economic and social aspects and implication that surround this field. If anyone is ever in New Haven, feel free to look me up.”

Ben Mirus '01 wrote: “I'm now starting the eighth of my ten weeks here at Los Padres National Forest. Although somewhat lonely, especially at first, it has been a very good experience overall. Initially I was a little disappointed because it turned out to be more of an office job than I had expected, and I don't get to do any interpretive work with the general public. Allen King, my boss, is the geologist for the four Southern California forests (Los Padres, San Bernardino, Angeles and Cleveland), so he gets to do a lot of traveling, but he also has a lot of paper work and office work. He's a really great guy, very conscientious, and has tried really hard to expose me to a lot of different areas of his job. He is more of an engineering geologist, but his only post secondary education is a bachelors of science in geology and there are times where I feel like I know as much about general geology as he does. Typically, field days involve driving out to a site where man's work is interfering with nature (eg. landsliding onto roads, road berms eroding into drainages, abandoned mines, houses perched on the cut banks of major streams, etc.), observing/making notes, and then writing a report about it back at the office. It's kinda like a very basic engineering geology homework assignment. Here in the office I work on a number of projects including 1) writing text and getting photos for web page of geology on the LPNF, 2) putting together the legend and helping out with the digitized geologic map of the forest 3) office tasks such as photo copying, typing, and taking notes on readings. I've talked to a number of forest service employees, particularly geologists and hydrologists, and from what I've heard the forest service might actually be a pretty good institution to work for, as there are a lot of field work positions, especially when you're just starting, there's also a lot of room to change your position and what you're working on based on what you're good at and what you enjoy. One concern I have about geology and the forest service is the lack of science in everything we do, decisions and reports seem to be based upon expert opinions and not on the scientific method. If I were doing Allen's job, I think I would be bored and frustrated with how little geology I'd actually get to do. I have a couple unique opportunities, and I got to meet Tom Dibblee,
mapper extraordinaire. He still remembered working with "Woody" and John Shelton. We also met with a professor at UCSB, Tanya Atwater, who has done some really amazing work with animation of plate tectonics. Linda and Sian, you guys might be interested in checking them out for use in intro classes and/or structure and earth history. Her web address is: http://www.geol.ucsb.edu/~atwater/ although I'm not sure if the site has her most recent (and coolest) animations. I'm still not sure about what school and what program I'd like to go into next fall; if anything, this internship may have confused me even more. But I haven't had too much time to stress about it. Life in Santa Barbara is pretty good, although unreasonably expensive, I think. I managed to find a cheap room to share in a house close to UCSB with a bunch of students, but it has turned out to be a bit more of a party house than I had hoped. I live right across the street from the beach, the houses on the other side of the street will soon be sliding off into the ocean, perhaps one or two more El Ninos. I've been making the most of my weekends, since it's the only free time I've had. I went to Big Sur a week ago...wow. The coast and mountains down here are pretty cool, but Big Sur takes the cake."

**John Singleton '01** is the SCA intern at White Sands National Monument in Southern New Mexico. His main responsibility is to give guided tours to visitors. He is living in a trailer in the park, which he says is pretty much in the middle of nowhere, but he says the area is geologically spectacular. He will be there until December 15 and would love visitors. He is not sure about plans for spring but hopes to be in graduate school next year studying tectonics/structure/petrology.

**Philly Skemer '01** started grad school working with Mark Brandon at Yale, studying convergent tectonics and accretionary wedge exhumation. He is also involved in additional work being conducted by Jay Ague, a metamorphic petrologist, who recently got a grant to study fluid flow/loss in accretionary rocks on the island of Tinos, Greece.

**Sean Williams '01** wrote: "I spent the first month after graduation climbing in California, in the Owens Valley, at Taquitz in Idyllwild, and on the big domes in Sequoia and Kings Canyon National Parks, all with my friend Rainbow. Then I headed into the Sierra for some backpacking, some with Garrett and some solo. After that I did the big move north, and stayed with Alex and her folks near Portland for three weeks. We found a great house to rent in Eugene, and had fun hanging out in Portland and Forest Grove. Then I headed farther north, to Bellingham, Washington, for a five week long mountaineering course with the American Alpine Institute. I learned a lot, though not quite as much as I had hoped to, and was a little bummed out the whole time because I would rather be in the mountains with friends rather than complete strangers. We summated Mt. Baker, Liberty Bell, South Early Winter Spire, Mt. Shuksan, Snow Creek Wall, Mt.
Sahale, and Forbidden Peak, all in the North Cascades. I learned the basics of ice climbing and glacier travel, and learned a lot more about alpine rock climbing and general travel in the mountains. The last two weeks we spent in the Coast Range of British Columbia, trying to climb Mt. Waddington, at 13,000 some odd feet the highest mountain in BC. 13,000 feet up there is pretty different from 13,000 feet in California - there are enormous valley glaciers, hanging glaciers in every possible cirque, possible snowstorms even in August, and no way to get there except a week long bushwhack hike or a helicopter. We used a helicopter. We bailed off Mt. Waddington because of bad avalanche danger (it was really hot), then made our way to a little hut on top of a high ridge, where we would stay in comfort and climb some smaller peaks. We didn't do much more climbing though, because we were slammed by an 8 day long storm. We were stuck in the hut the whole time, with nothing to do but read old books, play cribbage, and figure out how to ration our remaining food, as well as try to keep warm because it never rose above freezing. Two days after our planned pick-up date, running very low on food, we decided to hike back down to the valley glacier, where the helicopter was able to squeeze under a 200-foot cloud cover and pick us up. Alex and I have moved into our house in Eugene, and our orientation at the U of O starts on Sept. 17th. Anyone is welcome to stay with us if you are passing through. Eugene is a GREAT town (much better than Claremont) and our house is really nice."

Pranoti Asher is still in the deep south teaching at Georgia Southern University. It will be her fifth year teaching there. She and her husband Mike Kelley just bought a 1400 sq. foot house on a 0.7-acre lot in Statesboro. They have already planted a vegetable garden and a hummingbird garden and plan to plant some fruit and shade trees in the fall. She hopes to visit with everyone at the Boston GSA in November. "If you happen to be visiting Savannah or Charleston, please get in touch with me. I would love to catch up with my old friends from Pomona."

Jill Schneiderman wrote: "Hello friends--All is well in Poughkeepsie, New York. Since the last newsletter I guess my most exciting professional news is that my book, The Earth Around Us: Maintaining a Livable Planet, came out in April 2000 and it has been well received. I feel it is a collective accomplishment since so many outstanding geologists contributed essays to it concerning the importance of earth science to environmental issues. Since then I've gotten into some more writing for the public about science. I had a piece in the March 2001 issue of Esquire (of all places!) on answers to questions your kids might ask about the natural world. The Esquire art staff gathered some great kids drawings to accompany the piece and it really turned out nicely. I've not been doing too much teaching here at Vassar lately since I've just finished my second year of a three-year term in the Dean of Studies office. I miss the geology but enjoy helping students who are having some academic difficulties find their way"
towards graduations! I'll return to full time teaching in geology beginning fall 2002 when the graduating class I'm responsible for graduates. The small bit of teaching I have done this past academic year was an experimental class that used The Earth Around Us in order to get students inclined to learn about environmental issues but not so inclined to learn about geology to learn some of our science. I tried to engage the students as readers by having them read the essays and then gave lectures about the geology behind the environmental issue. It went well and I enjoyed it very much. On the research front, some people in Hyde Park, the town just north of Poughkeepsie, were having their pond deepened and an excavator found a mastodon in the muck! Since a pal of mine from grad school was in charge of the excavation for the Paleontological Institute in Ithaca, NY, Vassar got in on it. With some Vassar students and colleagues we have been working on a sediment core that was extracted adjacent to the beast. It has been very exciting. The most exciting personal news has to be the birth of our second child! Meg and I welcomed Tillie Devra Isabel Stewart Schneiderman into our family on October 14, 2000. Big brother Caleb seems to adore her and they have become fast pals. We took a driving trip to Memphis, Tennessee in late May so that I could take a short course on GIS and the urban environment and we all went. At first we thought it would be folly to try to drive so far with a 7 month old and a three year old, but we saw lots of playgrounds between here and there and had a great time. I've enjoyed hearing from and seeing Pomona alums. In May 2000, Matt Fouch (now a professor at ASU!) got together for dinner and had a great time. Please all stay in touch!"
SUMMER GEOLOGY FIELD CAMP*
Near Eureka, Nevada
1949, 1950

Collecting graptolites, July 1949. Left to Right: Jess Parsons; Bob Yerkes; John Forman

Mt. Hope Mine, July 1949. Left to Right: Charles Kundert; John Forman; Bob Yerkes; Jess Parsons

Campsite, Newark Summit
June 1950

Plane table and alidade crew, June 1950. Left to Right: Phil Jackson; Warren Addicott; Don (?) Ragan

* Original color prints courtesy John S. Shelton '35; reproduced by scanning.
IN MEMORIUM

1927 Philip L. Small, Roseburg, Oregon (7/15/00), at age 95; Technical Services Planner, Firestone Tire and Rubber Company, Los Angeles; lived for more than 50 years in Pico Rivera; married Jeanette Jacobus of same class in 1929.

1932 Constance B. Nightingale, Nipoma, California (5/10/01) at age 90; music librarian for KFI-KELA; senior cartographer, head of mapmaking for Los Angeles Fire Department; author of "Songs of Russia" under the name of C.A. Solorieva.

1936 John C. Kinnear, Jr., Santa Barbara, California (12/20/00) at age 86; president of ASPC; B.S. in metallurgy at M.I.T.; lifetime career as mining engineer with Kennecott Copper Corp. in New Mexico, Nevada and Utah, rising from General Manager of Western Mining Division to Vice President for Operations; President of Mining and Metallurgical Engineers; awarded their Saunders Gold Medal for lifetime accomplishments in mining (1984); inducted into Pomona's Athletic Hall of Fame (1972; football and basketball).

1938 Robert W. Reed, Piedmont, California (1/17/01), at age 84; MA in Geology, Yale University; petroleum explorationist in Pacific for Philippine government; wartime service in Washington D.C., as military terrain expert; inveterate traveler with wife Ruth Elliott ’38; both in real estate business in later years before retirement.

1940 C. Melvin Swinney, Ventura, California (2/15/00), at age 81; Ph.D. in Geology, Stanford; geologist with U.S. Geological Survey and Richfield Oil Co.; Manager of Energy Resources Research, Southern California Edison; consultant and registered geologist; married Gwendolyn McCluskey ’41 in 1942.

Wallace W. Wilson, Stokie, Illinois (12/23/99), at age 81; graduate work in petroleum engineering at U.C. Berkeley; certified by Southwest Graduate School of Banking; following a stint as a petroleum engineer he moved into banking as lending officer and Vice President of the Oil and Public Utilities Division and then as energy consultant, Continental Illinois National Bank and Trust Co.; after retirement opened consultant practice in energy resource financing and management; received the Legion of Honor Membership in the Society of Petroleum Engineers in 1999.

1949 John Forman, Goleta, California (2/11/00), at age 72; M.A. in Geology, Claremont Graduate School, his 1951 thesis being "Geology of the Southern Sulphur Spring Mountains"; 35 years as worldwide exploration geologist with Mobil Oil Co.; after retirement in 1986 continued as consultant in
Texas and California; loved flying (licensed pilot) and sailing; son George a Pomona graduate and daughter Jennifer studied geology at U.C. Santa Cruz and received a M.A. degree in Education from U.T. Austin. He was a relatively frequent visitor of the department, especially in the Woodford years.

1952 John M. Barnes, Sherman Oaks, California (6/15/98), at age 68; social service consultant and social worker for California State Department of Social Welfare; program analyst, California State Department of Benefit Payments; analyst for California State Department of Social Services Quality Control Branch.