From our cabin along the Middle Fork of the Popo Agie River in the Wind River Mountains of Wyoming, geology is everywhere in view. Being a “soft-rock” geologist, it seems a bit ironic that we sit below the Precambrian “Granite Knob” (!) but the Paleozoic comes in just downstream! It is from this beautiful setting that I draft this introduction to our 58th Newsletter sending, on behalf of all faculty members and staff, warmest greetings. As usual, we salute you who by your achievements provide our department with its recognition. This alumni publication, as usual, consists of three parts: (1) my introduction; (2) the alumni news notes (the real “heart” of the Newsletter) edited by Chris Oze; and (3) the alumni directory compiled by Lori Keala.

First, I want to thank all of you who submitted information on your activities over the past 2 years since the last (1995) Newsletter. The return was significantly better this year and I encourage you to keep up the good showing! As intimated above, the alumni are most interested in being informed about their former classmates and colleagues.

Much has happened in our department over these past two years. As mentioned in the 1995 number, Jill Schneiderman’s position while she was on sabbatical was most capably covered by a temporary appointee, Pranoti Asher, who proved to be an outstanding colleague (incidentally, Pranoti was married to Michael Kelly on August 2nd – see the news notes!). The permanent position was redefined in the “geophysics-structural geology” direction and was filled by a married couple, Linda Reinen and Eric Grosfils, both of whom earned their doctorates at Brown University. Linda’s specialty is rock mechanics and her Ph.D. dissertation treated the experimental frictional behavior of serpentinite which could well relate to the activity along the San Andreas Fault. Linda has also become enthusiastically involved in teaching and conducting research in hydrology. Eric was a physics and geology major at Williams College and did his Ph.D. research on Magellan radar images of giant dike swarms on Venus; consequently, his upper division teaching includes geophysics, remote sensing, and in the near future, planetary geology. Linda and Eric bring us the quantitative and computer skills in which we have been deficient since the retirement of Donald McIntyre in 1989. Although they equally share one position, they each certainly appear to be going full time! Much more later about these two great additions to our department faculty.
Our staff has undergone a change. After 23 years of dedicated and committed service, Jean MacKay, who most of you know directly or indirectly, retired. Two months after retirement (December 1995), Jean returned to help us out temporarily while Lori Keala, our new secretary (more below) was on maternity leave. Jean and George plan to keep busy with church activities and travel. Our “string” of two former great secretaries (Shirley Bolton and Jean MacKay) has been extended to three with the addition of Lori. A most talented secretary, with a particularly strong background in bookkeeping, Lori is a delightful person, and it is a pleasure to go into the department each day given her upbeat presence. In addition she supplies us with goodies continuously and this is most satisfying for my sweet tooth! Mark Hespenheide, ’95, who assumed the technician position at the time of distribution of the 1995 Newsletter, has resigned in order to begin graduate work at the University of Wyoming and our best wishes go with him; it will probably be a nice change for him as we kept him hopping! Mark stopped by our Wyoming cabin in early August prior to picking up with his work in Laramie. He has been succeeded by a 1997 graduate of Whitman College, Chris Oze who is a most versatile young man certainly capable of filling Mark’s shoes. Chris participated in a summer, 1996, Keck project in Hawaii in which Rick was an instructor and was very impressed with Chris and his work.

Rick continues as Chair of the department, which has become more onerous and complicated with each passing academic year. In addition, he was appointed Chair of the very active Executive Committee that, without further details, had an unusually busy schedule in 1996-1997. Fortunately he will be relieved of this responsibility this academic year. From my perspective, there were three momentous “happenings” in Rick’s professional life over the past two years (I am sure he would agree with two of these!): (1) His selection as a Wig Distinguished Teacher in 1995-1996; this was a much-deserved award; of all the teachers I have known, Rick is the most selfless with his time; (2) The publication of his guide, with Donald Hyndman, “Roadside Geology of Hawaii” by Mountain Press; this is a gem of its kind and will be used by innumerable geologists visiting the islands; and (3) His role as scientific consultant to the producers of the 1996 Twentieth Century Fox film “Volcano” starring Tommy Lee Jones; Rick had mixed emotions about the film. There were frustrations in attempting to keep the producers on track scientifically as much as possible but on the other hand, Rick appreciated the excitement and entertainment value of the production. I was excited about the part Rick played! With others he published an abstract “A petrologic study of the 1924 ejecta from Halemaumau Crater Kilauea Caldera, Kilauea Volcano” in the Proceedings of the Northeastern Section, Geological Society of America. With M.A. Knoll and J.S. Miller, Rick is in revision (Jour. Geology) with “volcano-flow-hosted sandstone dikes as paleoflow direction indicators: an example from the Miocene of southeastern California.” Hindered particularly by his administrative duties in both the
department and on the Executive Committee, Rick’s mapping of part of the Cady Mountains SE of Barstow under U.S.G.S. support was brought to essentially a standstill; his activity on this project should pick up with the cessation of some of his committee responsibilities. Another research project in progress is his study of the giant Klamath gorge landslide complex, Oregon. During the past year, Rick acted as reviewer of two manuscripts, one on Kauaiian Volcanism and one on Vesuvian eruptive cycles in Geology Magazine and Journal of Geophysical Research, respectively. Somehow he found time to organize and chair a Keck Consortium Workshop last fall on the teaching of earth system science in cooperation with the heavily involved U.C. Irvine department of that title. He was a panelist at the American Geophysical Union conference on earth-system science teaching. With Bruce Loeffler, Rick co-directed a Keck project in Hawaii last summer and wrote the Proceedings Volume report “Active and recently active volcanic geology on the island of Hawaii” and made the oral presentation at the Spring Symposium held at The College of Wooster last April. This past summer he again joined Stan Mertzman (Franklin and Marshall) in probably the final Keck Cascades Project in Oregon. Rick was certainly busy academically. He has reformed the Mineralogy (Geology 103) Laboratory and has completed a Laboratory Manual for the course. He is continuing to reorganize the igneous and metamorphic petrology collection for Geology 153. He has invested and continues to invest much energy in his new course, Geology 50 (Environmental Geology). He generously devotes ten days each May to a field mapping exercise in the White Mountains in an effort to expose our students to field geology, particularly those who do not go on to a formal field geology course. In the spring of 1996 Rick led a week long trip to the Guadeloupe Mountains of West Texas, with a heavy emphasis on spelunking, a developing interest of his. In fact, that same year, he assisted the survey team completing a map and mineral inventory of Bat Cave in Grand Canyon National Park. Finally, Rick has supervised, or co-supervised more than half of our senior thesis the past two years.

Linda Reinen has been nothing short of a whirlwind of activity since “hitting the ground running” in September of 1995. It is no wonder that she was awarded her first contract renewal last fall. As mentioned above, her specialties are rock mechanics and hydrology and in the former area she has emphasized particularly the seismicity of serpentinized faults. Admirably, she has been tireless in involving student participation in her research endeavors. Perhaps most noteworthy in this regard is the success she has had in capturing grants to support her work. With Newton, Manduca, and Grosfils, she co-authored an accepted proposal to the W.M. Keck Geology Consortium for the summer of 1996 on geochemistry and hydrology of the Payette Lake Watershed, Idaho, primarily to examine the impact of fires on sediment loading and water quality; four faculty and 12 sophomore students participated. Their expanded abstract “Environmental geochemistry and hydrology of the Payette Lake Watershed in Idaho” was published in the
Proceedings of the 10th Keck Foundation Geology Consortium Conference last April at The College of Wooster. Linda collaborated in another successful proposal (with Grosfils, Gilmore, and Kozak) to the Keck Consortium on the “Volcanism and Tectonics on Earth, Venus and Mars: A Planetological Approach”; 15 sophomore students participated in the project this past summer. She was sole author of another accepted proposal, again to the Keck Consortium supporting a project to fly in 1998, “Slip Stability of Serpentinized Shear Zones” in which students will evaluate the seismic history of ancient serpentinitized faults in southern California via field and laboratory (including our XRD unit) techniques. Linda received a grant from the Mellon Project of the Claremont Colleges for a study “Using Interactive Computer Models to Teach Groundwater Flow”. Under this grant she has been developing a hydrology course in which the majority of learning occurs through student-driven computer simulations. In collaboration with Harry Green (seismologist, U.C. Riverside) she has submitted a proposal to NSF to investigate the importance of dewatering of hydrous mineral phases on the initiation of deep focus earthquakes. As yet another example of Linda’s emphasis on student involvement on research is her independent study (Geology 199) “Field Methods in Hydrogeology” given to six students investigating water circulation in chemistry in nearby Evey Canyon. The results of this pilot course was an abstract of a paper “Field-based watershed study as a method of teaching introductory undergraduate hydrology” presented at the meeting of the American Geophysical Union in May. At the Fall, 1995, meeting of the American Geophysical Union she and Tullis presented a talk “Microstructural evidence of strain localization and distributed strain in serpentinite friction experiments”. She also co-authored an abstract (with Kilsdonk and Dula) “Predicting sub-salt faults from shallow grabens in the overburden: Geomechanical analysis and application” for a paper presented at the A.A.P.G. meeting last spring; this research stemmed from her previous work with ARCO. As a testimony of the regard with which her professional work on rock behavior and seismicity is viewed, Linda has reviewed two manuscripts submitted to the Journal of Geophysical Research: “Dilatancy, compaction, and slip instability of a fluid infiltrated fault” and “Non-dilatant brittle deformation of serpentinites: implications for Mohr-Coulomb theory and the strength of faults”. In 1996 she presented a talk in the Hewett Lecture Series, U.C. Riverside, “Weak and creeping faults – implications for the strength and sliding stability of serpentinitized faults from laboratory friction experiments”. Linda attended several workshops regarding teaching; foremost among these was “Teaching Groundwater Hydrology” a 2-day workshop sponsored by the Keck Geology Consortium. In addition to the independent research mentioned above, she developed and taught a new course, “Earthquakes and Other Geohazards” and is redesigning the Structural Geology class so as to focus on the mechanics of rock deformation and resulting structures. In her two years she has been advisor or co-advisor for four senior theses.
Likewise, Eric Grosfils was off to a fast start in all aspects of his work. As with Linda, Eric managed to obtain funding to support his largely student-involved research, a considerable part of which represents collaboration with Linda. He was the main author and project director of a successful proposal to the Keck Consortium involving comparative planetary geology of Earth, Mars and Venus through NASA data which was held at Washington and Lee this past July with Reinen, Kozak (sadly deceased), and Gilmore. He was also co-author of a successful proposal to the Keck Consortium for the geophysical, geochemical and hydrothermal project (with Manduca, Newton, and Reinen) near Payette, Idaho referred to earlier; the overview of the project was presented as an expanded abstract published in connection with the 10th Keck Research Symposium in Geology in Wooster, Ohio, last April. Eric served as sponsor for a successful Summer Undergraduate Research Project (summer '96) on the seismology of Devil's Lane graben in Canyonlands National Park (Utah) with two of our undergraduates, Nathaniel Bush, '96, and Caroline Harris, '97; these three co-authored an abstract of a paper presented at the American Geophysical Union in the late Fall, 1996, and published in EOS Trans, v. 77. Eric also co-authored (with 7 others, including Nathaniel and Caroline) an abstract for a paper on small planetary grabens in Canyonlands presented at the Lunar and Planetary Science Conference this past spring. In addition to the student-involved abstracts, Eric produced (as senior author or co-author) a number of other papers dealing for the most part with his research on dike swarms on Venus: (with Ernst, Head, Parfitt, and Wilson), "Giant radiating dyke swarms on Earth and Venus", Earth Science Reviews: v. 39, 1-58, 1995; (with Head), "Radiating dyke swarms on Venus: evidence for emplacements at zones of neutral buoyancy", Planetary and Space Science, v. 43, p. 1555-1560, 1995; (with Head), "The timing of giant radiating dike swarm emplacement on Venus: implications for resurfacing of the planet and its subsequent evolution", Journal of Geophysical Research, v. 101, p. 4645-4656, 1996; (with 6 others), "Volcanoes" in The Face of Venus, Roth, L.E., and Wall, S.D., (eds.), NASA - SP520, 1995. Eric, as senior author, with Head, published two abstracts of papers presented at the 1995 and 1996 Lunar and Planetary Science Conferences: "Giant radiating dike swarms: constraining the formation and evolution of the surface of Venus", 1996, and "Magma reservoir failure: implications for volcano growth on Venus and Mars", 1997. Eric was honored by being a recipient of the Dwornik Prize (Honorable Mention) from the Geological Society of America for the most effective poster presentation given at the Lunar and Planetary Science Conference, 1996. Eric's ongoing research interests include: finite element modeling of magma reservoir failure due to overpressurization to test whether such failure promotes lateral dike emplacement (as implied by field studies) and to assess how different physical factors contribute to whether subsurface intrusion or eruption will occur; shallow seismic refraction experiments and structural analyses in Canyonlands National Park in an ongoing attempt to evaluate graben formation in the area; evolution of magma flow direction within a giant mafic dike swarm in southern Ontario (with R. Ernst) to help constrain
its formation and evolution. Eric reviewed papers submitted to the Journal of Geophysical Research --Planets, Journal of Geophysical Research - Solid Earth, Journal of Geological Education and Journal of Volcanological and Geothermal Research. It seems as though Eric has given nothing but new courses which, of course, represents a major time commitment. In 1995-1996 he taught "Applied Geophysics" in the Fall; in this course he revised the existing geophysics course and included techniques such as seismic, ground penetrating radar, gravity, magnetic, DC resistivity, thermal and electromagnetic. That spring he taught our course in Structural Geology. Last Fall (1996) he offered both a freshman seminar on "Volcanic Hazards" and directed an upperclass independent study "seminar" on dike emplacement. This past Spring he presented "Remote Sensing of the Earth's Environment" into which (particularly the lab), he put a monumental amount of effort. To enhance his teaching, Eric has participated in several workshops: "The Making of a Planetary Project", a NASA Summer School for Planetary Science at J.P.L., 1995; "The Teaching of Geophysics to Undergraduates", a Keck 4-day workshop at the University of Arizona; "Teaching Earth System Science", a 2 day Keck workshop held at Pomona; "GIS and Remote Sensing", a 4 day Keck workshop at Trinity University; and, "Innovative Teaching in the Geosciences", a workshop co-sponsored by NAGT and NSF. He also received funding from the Mellon Foundation for course improvement through two grants promoting the effective use of technology: "Interactive research modules: A dynamic approach to remote sensing instruction" and in collaboration with astronomers at Pomona and Harvey Mudd, "The astronomical and planetary image library". Eric was advisor or co-advisor of three senior theses over the past two years. A major departmental contribution has been his comprehensive overhaul of the library budget including the collection and analysis of several years of financial data, and in conjunction with department faculty and library staff, he is supervising the organization of subsequent journal and book purchases. Primarily with Rick, Eric has designed our new "Environmental Science" curriculum. He presently serves as our representative to the Keck Consortium.

Both Linda and Eric have been instrumental in bringing our computer and work stations up to grade. They attended to the purchase and installation of two SUN Ultrasparc work stations for faculty research and teaching. They also arranged for the purchases of a lasergraphics Personal LFR Plus digital film recorder (i.e., slide maker). In addition to maintaining and upgrading all of the department computer facilities, Linda and Eric continue to instruct the rest of us (faculty, staff and students) in the use of the computer facilities.

I have managed to keep sufficiently busy so as to stay out of trouble! In relation to my opening statement in this Newsletter, I have spent my 22nd and 23rd summers as a teacher at the University of Missouri Geology Field Camp based in the Wind River Mountains only one mile from our cabin! I do love this country and much of my recent professional work on carbonates,
particularly dolomites and dolomitization has been accomplished in the area. Some thirty of you Pomona Alums have been there since I started teaching at "Camp Branson" and I think most of you have enjoyed the setting (and, I hope, the geology curriculum). This year we had 47 (note that number!) students, including one from Pomona (more on this later). My work on the Bighorn Dolomite (Upper Ordovician) has largely been completed. I have tied in this area of the Bighorn with those units of similar stratigraphy and petrology to the northeast (Williston basin; actually as far as Greenland!) and to the El Paso area to the south in what I call the "Bighorn Facies". In relation to this situation I have had two papers published in December, 1996: "Dolomitization patterns in widespread "Bighorn Facies" (Upper Ordovician), western craton, U.S.A." in Carbonates and Evaporites, v. 11, p. 219-225, and "Dolomitization of the "C" zone, Red River Formation (Upper Ordovician) in a deep core, Williston basin, Richland County, eastern Montana" in Contributions to Geology, v. 31, p. 57-75. Presently my two ongoing projects deal with dolomitization of an unnamed uppermost Cambrian, hematitic and glauconitic dolomite unit in west-central Wyoming, and the petrology and dolomitization of the well-known Madison Limestone (Mississippian) here near Lander, Wyoming. So far the only thing I have in print on these two studies is an abstract of a paper presented at the Rocky Mountain Section of the Geological Society of America -- "Dolomitization of flat-pebble tempestites, uppermost Gallatin Limestone (Upper Cambrian), west-central Wyoming in Abstracts with Programs: Geological Society of America, Rocky Mountain Section, v. 28, no. 4, p. 43. My official affiliation with Unocal Research was a boon to my research on these units but Unocals carbonate research facilities have recently moved to Sugar Land near Houston. Fortunately I did receive an internal Sontag Award from a recently endowed research fund aimed at supporting full professors and/or endowed chairs (it turns out I qualify for both!) to help me move these studies toward completion. In addition, I received small grants from Pomona's Research Fund to support some stable isotope analyses on the Cambrian unit. I have continued as Associate Editor of the journal "Carbonates and Evaporites". Over the past two years I have served as a reviewer of research grant proposals to NSF and to PRF and have reviewed five manuscripts submitted for publication to such journals as Carbonates and Evaporites and Journal for Sedimentary Research. I have continued to serve on two professional committees; National Association of Geoscience Teachers (N.A.G.T.) - U.S. Geological Survey Cooperative Field Training Program and Far Western Section, N.A.G.T. field scholarship program. In May I attended a Chautauqua short Course "Creation or Evolution, or Both? A Multiple Model Approach" out of interest and in the possible event I might in the possible event I might include such information in a subsequent freshman seminar. In terms of my teaching, I have redesigned Geology 159 (Sedimentology) to be designated a speaking intensive course. I have acted as supervisor or co-supervisor of three senior theses over the past two years. I continue to be our departmental representative on the Public Policy Analysis Program (which provides for a
geology track) faculty. In 1995-1996 I acted as our Keck Consortium representative (now taken over by Eric). I am the ongoing organizer of the seminars (about three outside speakers/semester, and continue to plan and convene the annual Woodford-Eckis Lectureship. I serve as "editor" of the Alumni Newsletter (with help from others!). I coordinate the XRD Laboratory (also used by Physics and Chemistry) and the SEM facility. As an "extra", I act as part-time assistant coach of the Pomona-Pitzer Women's Varsity Softball team. I enjoy this activity although how much help I've been is debatable(!) We were 14-16 this year and are still shooting for our first .500 season.

Three conferences were held in Claremont that the four of us attended to varying degrees -- the NRC/NSF Science Education Conference, February 1996; a year long faculty self-education workshop "Environmental Studies"; and, the W.M. Keck-sponsored workshop on Earth Science System hosted by our Department and U.C. Irvine that was mentioned earlier.

In the 1995 Newsletter I mentioned that renovation and upgrading of the science facilities were in the offing and that awaited funding from the $150 million capitol campaign (that the College has now formally embarked on). I anticipated being able to report more concretely on this venture in the Newsletter but to my knowledge we have few newer details. Hopefully by the time of the next Newsletter there will have been significant developments to pass on to you.

There have been some curricular alterations. The new offerings have been itemized under the news of the various faculty members. About five years ago we instituted an environmental track as an alternative to our normal major. At the time of the last newsletter we reported that we had been less than excited about this approach. Furthermore, the advice given to us by some in the field was that the most significant contributions to the area of environmental geology are made by those who have been in a solid general undergraduate program and subsequently in graduate school specialize in some aspect of environmental geology (e.g., hydrology, soil science, climatology, etc.). We felt that our environmental track was less rigorous and decided to drop it a couple of years ago. After much discussion with our new faculty and administration we have looked afresh at our curricular design and have both revised our course offerings and reinstituted an environmental track, this time with a sharper and more appropriate scientific focus; this new track is called "Environmental Earth Sciences" and hopefully it will fit into any general environmental program the college may someday design. In addition, and as referred to above, the geology program in the Public Policy Analysis concentration also offers opportunities in the area of environmental studies, but with a stronger public policy focus and a lighter science course load.
For 10 years the W.M. Keck Foundation has generously contributed more than 4 million dollars to our Consortium for summer research for students. Roughly speaking, this has meant that Pomona has received on the average approximately $40,000 - $50,000 support annually. This is a very long period for such continuous support, especially since the Consortium was advised early on to consider seeking alternative or additional funding. This appears to be the coming situation. We have already received some support from NSF for the sophomore-minority aspect of the program. The Keck support has been a most appreciated source of funding that has made it possible for our undergraduates to experience relatively high levels of research.

It may be of interest to you to know that we have tightened up, and standardized, our schedule of dates for the turn in for phases of senior thesis and have quantified the grading system in an attempt to be more equitable in our evaluation.

The College’s skill-based general education program has gone through its third year of testing and will be reviewed probably prior to the 1999 Newsletter. Criticisms I hear rather often include the need for a wider offering of courses to choose from for each “skill”. Also, whereas some students feel that certain of the listed courses are inappropriate, they have experienced more relevant ones not offered as skills-based classes.

Our 1991 4-W. D. Chevy Suburban has been replaced after 6 years and some 80,000 miles of rough service by a new 1997 model so we hope to have fewer problems -- the old vehicle was “ill” much of the time and was “old” before its time; we are in hopes that the new snappy, green version will have a happy and productive life!

We have had two excellent Woodford-Eckis Lectureships since the 1995 newsletter. In 1996, Dave Pollard, ‘65, Chairman of the Department of Geology and Environmental Science, Stanford University, following the annual banquet, gave his main address “Science, Politics, and Adventure at Katmai Volcano: Who Benefits when the Goals of Scientists and Environmental Clash”, and the following day presented a talk on the application of seismic techniques and geomechanics models in the determination of slip distribution of faults (see also list of seminars below). This past spring we were pleased to host David Clague, Director of Research, Monterey Bay Aquarium Research Institute, who for his evening Lecture presented “Geologic Hazards and Risks: Living on an Active Volcano in Hawaii” and for his seminar talk the next day (see also our seminar list below) discussed “Submarine Geology of Hawaii: Landslides, Lava Flows, and Drowned Coral Reefs”. There were approximately 75 persons present at both evening lectures, a sizable proportion being alumni.
Our seminar series began in the 1970’s and continues as a means of exposing our undergraduates to outside professionals and their perspectives. The list of speakers and their subjects for the period Fall 1995 - Spring 1997 are as follows:

“The Cowhole Mountains: A Key Exposure of the Early Mesozoic Cordilleran Arc in Eastern Mojave Desert”
Dr. William Wadsworth
Department of Geology, Whittier College

“Air Sparging -- In situ Groundwater Treatment”
Dr. Paul Lundegard
UNOCAL Research Center, Brea

“Middle Cambrian Carbonates of the Southern Great Basin: Stratigraphic and Geochemical Indictors of Sea Level”
Dr. Isabel Montanez
Department of Earth Sciences
University of California, Riverside

“Using 3D Seismic Data and Geomechanical Models to Investigate Slip Distributions on Faults”
Dr. David D. Pollard, Chairman
Department of Geology and Environmental Science
Stanford University

“Sauk Sequence Boundaries in the Off-Craton Setting: Eastern California - Southern Nevada”
Dr. John D. Cooper
Department of Geological Sciences
California State University, Fullerton

“Graphic Correlation and Biostratigraphy: Method and Application”
Ms. Barbara Grubb
Raymond M. Alf Museum
Claremont, California

“Schlieren and Other Enclaves in Granitoid Rocks:
Dr. D.D. Trent, Retired
Department of Physical Sciences
Citrus College

“Submarine Geology of Hawaii: Landslides, Lava Flows, and Drowned Coral Reefs”
Dr. David A. Clague
Director of Research
Monterey Bay Aquarium Research Institute

"A Story about Deep Focus Earthquakes: An Application of Experimental Structural Geology to a Problem in Global Geophysics"
Dr. Gayle Gleason
Institute of Geophysics and Planetary Geophysics
University of California, Riverside

"Eolian Sedimentation: Recent and Past, Siliciclastic and Carbonate"
Dr. Mario Caputo
Department of Earth Sciences
Mount San Antonio Community College

Our numbers of geology majors (excluding those who have effectively "minored" with us) have been solid over the past two years. In 1995-1996 we graduated 8 concentrators and 5 in 1997. Although there will be only three graduating in 1997, we already have 8 juniors and 4 sophomores, both of which numbers could increase. Although these 13 graduating since the 1995 Newsletter are for the most part not known to you, they are now part of your geology alumni group. We list them below, by class and, for your interest, give the title of their theses.

Evan Bilstrom, '96;
"Landsliding in the Klamath River Gorge" (see also Cross and Kormeier)

Brian Cross, '96;
"Landsliding in the Klamath River Gorge" (see also Bilstrom and Kormeier)

Christian Curtis, '96 (Keck Project);
"Looking for a Cryptochron: High Resolution Magnetostratigraphy of 15R, 15N, and 16N in Calcareous Marls near Eocene - Oligocene boundary at Contessa and Massignano Quarries in Italy's Umbria - Marche Region"

Stephanie Fisk, '96 (Keck Project); (Claremont McKenna)
"Geochemical Characterization and grain size analysis of Late Eocene Volcaniclastic Horizons in the Northeastern Apennines"
Darren Gravley, ’96 (Keck Project); (Claremont McKenna)
“Geology and Petrology of the Topsy Grade - Granada Butte Corridor, Klamath River gorge, Southern Oregon”

Jillian Hirst, ’96 (Keck Project);
“Mineralogy, Petrology and Geothermobarometry of Aluminous Archean Rocks in the Spuhler Peak Metamorphic Suite of the Tobacco Root Mountains, Southwestern Montana”

Gus Kormeier, ’96;
“Landsliding in the Klamath River Gorge” (see also Bilstrom and Cross)

Mark Stal, ’96
“Geology of a Portion of the Central Cady Mountains, Mojave Desert, California”

Alexis Beard, ’97;
“Using the Geosciences as a Vehicle for Science Literacy”

Nathaniel Bush, ’97
“Geology of Iceland”

Veronica Francis, ’97
“The Effect of Faults and Fractures on Fluid Flow in the Applegate Group, Southwestern Oregon: As Shown by Well Yields and Linear Stream Segment Trends”

Karen Franz, ’97; (Claremont McKenna)
“The Effects of Human Use and Development on Land; Sheep Creek Placer No. 3: A Case Study”

Brian Lehnerz, ’97 (Keck Project)
“Origin of rollovers and monoclines in the Koae fault zone, Kilauea Volcano, Hawaii”
Several of our students were involved in various projects during the summer of 1996. Three students participated in Keck-sponsored activities: Caroline Harris on the geochemistry and hydrology of Payette Lake watershed, Idaho, specifically the effect of glacial sediment on water chemistry in a burned area; Brian Lehnerz on active and recently active volcanic geology, Hawaii, specifically examination of details of the Koae fault zone; and Karen Jager on geochemistry of New England pegmatites, specifically a study of compositional variation of metamorphic tourmalines with metamorphic grade. Caroline Harris and Nathaniel Bush collaborated with Eric in a seismic study of Devil's Lane graben, Utah. Peter Leth was at the Lunar and Planetary Institute in Houston where he collaborated with a former Pomona student, Allan Treiman ('74, Chemistry) in which they found evidence for ancient catastrophic flooding source in Pomona (!) Vallis.

This past summer junior Alexandra Krull participated in the Keck project on the Comparative Planetary Geology of Earth, Mars, and Venus, directed by Eric. Another, senior Caroline Harris worked on a Keck structural-petrological project in the Tobacco Roof Mountains. Caroline "accompanied" me to Camp Branson this summer and performed brilliantly gaining the second highest grade; it took a graduate student to top her record! Our other two seniors, Karen Jager and Brad Thomson (Harvey Mudd) both conducted exciting and significant research at the Lunar and Planetary Science Institute in Houston. Specifically, Karen worked on a project related to the recent Martian Pathfinder rover. She characterized JSC-Mars-1, a Martian soil simulant which will be used in testing astronaut suits, land rovers, and for teaching purposes. Brad used Clementine satellite data to study the spectral signature of impact crater ejecta on the Moon, a process which allowed him to constrain the thickness of underlying mare basalts. We are very proud of all these students, and hope that others will follow in their footsteps!

Our major student awards are now all presented at Class Day (the day prior to Commencement) and the summary for the last two years is as follows:

**Richard E. Strehle Memorial Award in Geology**
1996 - Evan Bilstrom, Brian Cross, "Gus" Kormeier
1997 - Peter Leth (math major but continuing with graduate work in geology)

**Donald B. McIntyre-H. Stanton Hill Geology Award**
1996 - Stephanie Fisk (CMC) and Jillian Hirst
1997 - Brian Lehnerz

**Mason L. Hill Geology Award**
1996 - Darren Gravley (CMC)
1997 - Prize not given
We congratulate those prize winners and are especially grateful to the generous benefactors who have made these possible: H. Stanton and Mary Hill; Marie Hill; and, the Strehl Family.

In signing off I would like to acknowledge the help of Chris Oze in handling the alumni news and Lori Keala for providing the directory. As I have repeated on numerous occasions, even including the mention earlier in this Introduction, we are proud of our fine group of geology alumni and their accomplishments. Thanks and have a great 1997-1999!

Don Zenger
IN MEMORIUM

Victor L. Armstrong '42,
Pasadena, CA (January 25, 1997)
at age 77; B.A., UCLA; teacher; in lapidary supply business; retail hardware sales.
(Pomona College Magazine, Summer 1997, Obituary)

Frank A. Morgan Jr. '43,
Malibu, CA (January 5, 1996)
at age 73; Kappa Delta; attended Colorado School of Mines; B.S., UC Berkeley; in Wyoming 20 years in oil business as consulting geologist
(Pomona College Magazine, Summer 1996, Obituary)

Louis J. Simon '35,
Incline Village, NV (October 4, 1996)
at age 83; graduate work at Stanford; in England during WWII, served in Army Air Corps, assigned to Allied Central Intelligence, and earned Bronze Star; retired as major; micropaleontologist with Texaco for over 30 years, rising to head of Paleontology Lab, as well as Palynology Lab and P & P Lab; president, Pacific Division of American Assoc. Of Petroleum Geologists and SEPM; after learning to ski at Pomona, skied into his 80's.
(Pomona College Magazine, Spring 1997, Obituary)
Philip Small '27 is living in Roseburg, Oregon. He enjoys the beautiful Oregon skies and he also enjoys working in his garden. He and Jeannette Jacobus Small (Class of '27) will celebrate their 70th wedding anniversary on September 3rd. They are both in good health and enjoy watching and identifying the many birds that frequent their garden area.

Rosalie Davis Matlovsky's '36 life has continued to be as much as before except that she has found that living a long time is hard work and certain parts wear out. "I have muscular degeneration and an eye condition which will not improve. I no longer drive or sing in our church choir. In March of 1995 I was about to step into my car at a Vons' parking lot when a woman backed into me and my car at 30 miles per hour. I survived a life-threatening event for which I'm thankful. I continue to attend a UCLA writing class for seniors, tutor Chinese people, and join my husband in teaching American Social Dancing at Pasadena City College, South Pasadena Senior Center, and Hollenbeck Home. We are active in three dance clubs. We cruise and attend elderhostels and the Pomona College Alumni College. In September we will celebrate our 55th wedding anniversary. Our young people are fine. We are truly blessed."

Jane E. Gregory '38 is enjoying her Rossmoor condo—a big change from their Lafayette home of 35 years.

L. Graham Campbell, Jr. '41 has been retired since 1986. "I continue to enjoy this time of life very much and am very thankful to God for the good health to enjoy it. My time is occupied with the usual demands of a house and a few volunteer activities. On the fun side, I became addicted to golf and also my amateur radio station. Through the radio I have made many new friends, some I have never seen in person and many I have met face to face (we call it eye-ball qso). My wife, Ruby, and I are active also in square dancing as well as being co-wagonmasters for the RV subset of our square dance club. The fellowship through square dancing along with that of RV trips has been one of our greatest joys."

Jack E. Schoellhamer '42 is still living in the same place, taking care of his apples and avocado trees, doing some tool collecting, and a little traveling. "Last Christmas I spent 6 weeks camping around Baja California with my daughter and her husband. One of the highlights of the trip was a visit to the Meling Ranch en route to the observatory near Picacho del Diablo (10,154 feet) in the San Pedro Marteri Sierra National Park. In the early 50's Jim Richmond, Bob Yerkes, and I tried to get to the onyx mine at El Marmol south of El Rosario. Due to a bad road, we only made it to Rosario where we stayed at the Meling Ranch. In the 50's the Meling
family was a large and friendly one. . . we sat on the porch, talked, and looked at pictures. On our recent visit, there was only one Meling left and she didn’t seem to remember the old days. It was good to see the place again although a recent flood had done considerable damage to the area including destroying a large pond filled with trout that was part of the original ranch.”

Art Krause ’48 is well into the ninth year of retired bliss on the far western slope of the Rockies splitting time between Utah and Arizona. He is active with the Utah Geological Association—field trips and seminars. He is still getting in a lot of skiing and golf during the appropriate seasons.

Jack Vedder ’48, between recreational trips to other countries, continues to work as Scientist Emeritus at the USGS in Menlo Park. “My final topical research paper was submitted for publication in April, but I am still compiling several geologic maps of parts of the San Rafael Mountains. Recent foreign travel took Diane and I to India (March 1996) and to Turkey (May 1997)—both of which are fascinating places to visit for scenery, culture, and geology.”

John A. Forman ’49, after living for years, near Dallas, Texas, moved back to California with Dorchen last fall. “I inherited my father’s old farm house in Goleta near Santa Barbara and my wife has been happily rebuilding it to modern standards for the last several years (new plumbing, walls, kitchen, sewers and other late 20th century conveniences) at enormous expense and inconvenience. It is a lovely place to live on a hilltop overlooking the sea and channel islands with views of the Santa Ynez mountains to the north. We invite any of you to stop and visit us whenever you are in the vicinity (we have 2 empty guest bedrooms). My geologic consulting in China dried up after the Tienamen Square debacle so now I’m back living and working on the geology of the Santa Barbara coast where I began 45 years ago for General Petroleum (later Mobil Oil). With the major oil companies leaving California and the U.S. as fast as they can there seems to be a lot of opportunities for smaller companies to take their place and thus a chance for old geologists like me to offer consulting services (we know where the bodies are buried). We’ll see if it pays.”

Donald R. Seely ’49 has recently purchased a condo in Gig Harbor, Washington, where he has escaped the hot, muggy Gulf Coast summers. “It has brought us a special pleasure because our traveling has been limited. My only brush with earth science has been a brief appraisal of earthquake risk at our condo, which I made for the owners’ association.”

Thane H. McCulloh ’49 says that the past two years have been busy but gratifying. “I continue involvement in oil exploration consulting—offshore Gulf of Mexico, onshore California and Rocky Mountains basins,
plus Turkmenistion—for various corporate interests. I also continue research on the L.A. Basin (in conjunction with the USGS and others) aimed toward publication. Beyond geology, I garden, enthuse about the stock market, and attempt to keep track of children and a grandson. Contacts with Pomona alumni are rare, but I am in touch with Forman, Stark, Steve Bushnell, Vedder, and Panchita Simon (Louis’ widow).

Evelyn Stark ‘50 is getting rid of her Presidency of the CS Symphony Guild, but she will be acquiring a 2nd grandchild any day now to occupy her spare time. "We like to travel—3 cruises in the last few years and many long car trips. We’ve turned over every rock in the U.S., Canada, and Mexico and we are now down to repeats."

Earl H. Pampeyan ‘51 is keeping busy in community volunteer activities (mostly Friends of the Library), hobbies, and travel. "Geologist Emeritus" status with the USGS in Menlo Park permits access to facilities and office space there "but I’m using it less and less as time passes."

John M. Barnes ‘52 had been employed as (Public Assistance) Analyst for the California State Department of Social Service until his formal retirement in December 1995. "Upon retirement I continued in the same occupation, but on a temporary part time basis until I was laid off on February 28, 1997. I am currently enjoying one hundred percent retirement until such time as I am called back to work. Because of the current uncertainty about the future of welfare, I may have quite a wait before working again."

Warren D. Pederson ‘53 describes his status as ranging from a semi-retiree to a part-time consulting engineering geologist—all depending upon the number of his billable hours during the month. "Most of my work involves surveillance and performance data review of a number of dams and reservoirs in LA and Orange Counties through Lindvall Richter and Associates (recently purchased by Harza Engineering of Chicago), a small geologic, earthquake, and civil-structural engineering consulting firm founded by the late professors Lindvall and Richter at Cal Tech. Robert Stull, neighbor and chairman of the geology department at CALSTATE LA, finally cajoled me into teaching a short course next year, probably being entitled something like geologic considerations in the siting, design, construction, and performance of concrete gravity dams. That will be something a lot different for me."

Jim ('55) & Helen Groom cruised both North Cape Norway and Cape Horn South America in the past year. At Puerto Arenas, Chile, the ship docked next to ours was the "Roger Revelle," presumably from the Scripps Institute.
James M. Parsons '56 retired from the State of California in early 1995 after:

- 13 years of geotechnical work on the California Water Project with the Department of Water Resources in Sacramento, CA,
- 7 years of ground water modeling work with the Department of Water Resources in Los Angeles, CA, and
- 19 years of ground water pollution control work with the State Water Resources Control Board in Sacramento, CA.

"During the last few years with the state and especially during the following year, I was kept very busy in an unpaid position as manager of the 1995 joint annual meetings of the Association of Engineering Geologists and the Groundwater Resources Association of California. Since then I have kicked back and have not been gainfully employed (except working as an election clerk on election days). I spend a lot of time with my computer exploring the internet. I am sending my resume out to local consulting firms looking for enough short-time work to cover the costs of my professional society activities. One recent, fun activity was a raft trip through the Grand Canyon, Arizona. I was the only geologist on the trip so I had to field all sorts of questions about the wonderful geology we were going through."

Robert I. Tilling '58 survived the massive downsizing and reorganization of the USGS. "Since early 1996, I have served as the Chief Scientist for the USGS Volcano Hazards Team, responsible for monitoring the active and potentially active volcanoes of the U.S., including the operation of volcano observatories in Hawaii, the Cascades (Vancouver, Washington), and Alaska (Anchorage and Fairbanks). While my current USGS position still allows me to continue in studies of volcanoes (at least vicariously), it involves mainly managerial and paper-pushing responsibilities. One very bright spot, however, is that I am working closely with Patrick Muffler, a fellow geology major at Pomona College (also class of '58). In April 1996, while attending a scientific meeting in England, I was able to visit Donald McIntyre in Scotland following the meeting. As luck would have it, Donald was leading a field excursion to Siccar Point, where Scottish geologist James Hutton first described an angular unconformity in the 18th century, and I was able to tag along and see this classic locality under his expert guidance. Last fall, Springer-Verlag (Heidelberg, Germany) published a volume (Monitoring and Mitigation of Volcano Hazards) that I co-edited with an Italian colleague, Dr. Roberto Scarpa. On the family front, my wife (Susan Greenfield Tilling, class of '59) still is very much in the real estate business with the Menlo Park office of Coldwell Banker Real Estate. Both daughters (Bobbi and Karen) and their significant others live in the San Francisco Bay Area. So, their proximity allows fairly frequent family get-togethers. The welcome mat is out for any of the Geology students and alumni of Pomona College who might be passing through the Bay Area!"
Dan Crotty ’59 is still blissfully married to Janet after 29 years, with son Bob in computer graphics design production and son Paul as 1st Lieutenant in the USMC. “I hope to establish a GPS control point on my property overlooking the Ventura and Oak Ridge faults. I have taken early retirement and we are active volunteers with the Campus Crusade for Christ.”

Norman J. Hyne ’61 is still teaching short courses on Petroleum Exploration, Drilling and Production. “I was the editor of a book Sequence Stratigraphy of the Mid-Continent that was published last year. Geology field trips during the last 2 years have taken me to Patagonia, China (both teaching and learning), Guadalupe Mountains, Venezuela, and the Grand Canyon (rafting).”

Mike Garner ’62 is now a retired TWA pilot and enjoys fishing in Florida. He is currently involved in a geological study... a stress test on an underwater limestone rock using the skeg of a 130 hp outboard motor at 30 knots... the limestone won.

Douglas W. Sprague’s ’62 son, Andrew, continues as an assistant manager for Armstrong Nurseries in Southern California. “Daughter Abbie is working for the National Gallery of Art in Washington D.C. following graduation from Bucknell University last spring. Wife Judy is helping to organize the U.S. Rowing Association’s Masters (’97) Regatta to be held in Long Beach in late summer. Me... after giving my back a year to heal (microdisectomy) I’m back sculling around Los Alamitos Bay. Restoration of the Austin-Healey “bug-eye” Sprite is progressing. With CalMat Co. I completed the establishment of a 1300 acre habitat conservation area in San Bernardino. This was the culmination of three years of negotiations with state and federal wildlife agencies as part of a mining and industrial development project.”

Jim Kelley, ’63: Jim is still Dean of the College of Science and Engineering at San Francisco State University. He spends his time administering the College, raising money, teaching, and doing research. He also continues to travel, and had a wonderful visit with Donald, Ann and Ewen McIntyre last June before meeting his ship in Edinburgh. Last winter he spent a month in Baja California and was back in the British Isles, Ireland, Norway, and Spitzbergen in June, visiting some of the classical geological sites first studied by Hutton, Murchison, Sedgwick, etc. and the oceans studied by Fritjof Nansen. He continues his interest in the science in the literature of John Steinbeck Country and a second on Steinbeck and the Environment. He’s still building wooden boats and backpacking in the Sierras. His son, Jason, graduated from SFSU in geology last year and his
daughter Megan is a CPA working in the City and getting married in August. Susan and Jim still live in Montara.

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David Pollard '65 states that "this has been a very good year for the Structural Geology, Active Tectonics and Geomechanics Program that I co-directed with Atilla Aydin at Stanford University. We have fourteen graduate students in residence along with two postdocs and 2 visiting scholars, so there is a lot of research activity and many new and exciting discoveries are being made. Our research group is quite international with students from South Africa, Nigeria, China, France, and Egypt along with a majority from the U.S. With support from the Department of Energy and 19 major oil and gas companies we are engaged primarily in research related to faulting and fracturing of sedimentary rocks and the flow of fluids through structurally heterogeneous reservoirs and aquifers. It is satisfying to learn how much the principles and methods of quantitative structural geology can contribute to the solution of practical problems with direct benefit to society."

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Robert C. Michael '66 is still running his oil lease acquisition and evaluation business out of his home. He works out and blows off steam on local volleyball courts, both indoors and on the beach. "I enjoy working for myself at home, but it can be somewhat isolating. I get a mid-day workout doing something I love, and the pony-tailed women in the class are sure a nice break from staring at the keyboard! In March, I finished the Desert Peaks List of the LA Sierra Club (97 of the best peaks in the California desert, plus a number in Arizona, Nevada, Utah, and four in Mexico) on Picacho Peak. I started the list when I was a junior at Pomona on a December 1964 climb of Big Maria Peak northwest of Blythe. A third of a century later—what a long strange trip it's been!"

Gene Pearson '67 is beginning his 27th year in the Department of Geology and Geography at the University of the Pacific this fall. "I just began a term as second Vice President/Newsletter Editor for the Far Western section of the National Association of Geoscience Teachers. I have enjoyed visiting with Don Zenger at G.S.A. conventions the past several years. Daughter Becky (25) is a co-owner of O'Reilly Signs in Seattle. Son Michael (19) just returned from a semester abroad at Westminster University in London."

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Tom Doe '71 has been promoted to Principal for Golder Associates since the last newsletter. "I continue to be active in fractured rock hydrogeology, with diversions into underground gas storage and hydroelectric power plants. I am also working on several research projects in Japan including studies of hydraulic compartmentalization and pore pressure responses to
earthquakes. I have been strongly involved in the start of the fledgling American Rock Mechanics Association and am currently serving as vice-president. In an attempt to relive the excitement of being a TA at Wisconsin, I bravely took 26 middle and high schoolers on a week long field trip on geologic disasters in Washington state (flood basalts, glacial floods, Mt. St. Helen, Hanford, landslides, coal mine collapses and earthquakes). Life in the Northwest continues to be interesting. Paula and I enjoy raising two daughters, Emily, 16, and Julia, 13.”

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Warren M. Thomas '73 has been the Chief Administrative Officer of the UCLA Department of Chemistry and Biochemistry since September, 1995. “It’s been a gradual transition from geology to geochemistry to chemistry.”

James A. Secord '75 has been teaching history of science at Cambridge for five years now, and he really enjoys it. “I even manage to fit in a fair amount of the history of geology. Next year I have a sabbatical to finish a big book on the reception of evolutionary theories before Darwin’s Origin—a project which has taken nearly a decade. In the meantime, Penguin Books is issuing a one volume abridgment of Charles Lyell’s Principles of Geology (1830-33)—a book I first read at Pomona.”

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Craig Gander '76 moved his environmental geochemistry/hydrogeology and project management practice from Canonie-Smith Environmental to Harding Lawson Associates last July. His work continues to involve characterizing, negotiating cleanup levels and remediating industrial and commercial sites affected by mining, manufacturing, minerals processing, refining or chemical distribution activities in Colorado, Nebraska, Kansas, and Wyoming. His daughter Mindi, (born at Pomona in '74), graduated from Colorado State University last December with a degree in Management (Human Resources specialty), and is working as an HR representative for a marketing firm in Denver. His daughter Emily’s under 17 team will represent Colorado at the Western U.S. Regionals this summer.

Allen Glazner '76 is about to start his 17th year at the University of North Carolina. “Little did I know when I left southern California at the tender age of 26 that I’d be here this long. I’m still doing the same old thing, teaching and doing research in the Mojave Desert, where I’d been working since my Pomona days, to the Sierra Nevada. I’m now working on several projects in the Sierras, including the Independence dike swarm, the young volcanic rocks that dot the range, and the mafic plutons that occur here and there. I also have a project in the Coso volcanic field. All this gives me plenty of excuses to come out and do field work, typically 4 or 5 times a year. On the home front, Chris is 12, Jenny is 10, and Mary is still working
2 or 3 days a week practicing surgical pathology at a hospital 30 minutes away. We now have a large white dog, also a California transplant. We all spent a wonderful week in Hawaii in May after the CSA meeting. I went on the active lava field trip and realized my lifelong ambition to stick a hammer in molten lava. Wow! I’ve picked up a few bad habits over the past several years; I’m now a serious runner and I got my pilot’s license a few years ago.”

**Allen Stork ’76** is currently teaching geology and just began a three year stint as Chair of the Department of Sciences at Western State College in Gunnison Colorado. “Western has started a GIS program and I have been coordinator for the past two years. I got stuck with this because I was the faculty member most willing to work with computers. Computer technology has advanced some since the first FORTRAN program Alan Glazner and I wrote together for the IBM360 at Pomona. I am doing some research, as part of our undergraduate research program, on the Oligocene volcanics and intrusives of the area and on the age of local river terraces. Judy, Peter and I spent twelve days over spring break on Hawaii leading a field trip with ten Western students. We had fun following Rick Hazlett’s field guides. They’re great!”

**Scott Borg ’77** and his family are settled nicely in northern Virginia and after 5 years in the same house, he is beginning to think that roots are forming. “We ventured to the southwest last summer for a rendezvous with relatives, including Lane and Mary Borg (both PC ’81) and their kids from Portland, Oregon, to explore Anasazi ruins and other attractions in southwestern Colorado and northeastern Arizona. Our kids are growing like weeds and our house is full of animals. Our son, Lane, is now 13, tall enough to look me right in the eye, big enough to push me around the basketball court, and already talking about driving, and our daughter, Kari, is almost 10, pursues hobbies from playing the keyboard to basketball, and has acquired a very distinctly independent way of thinking. Terry is running a computer lab at our local elementary school and has begun work toward a master’s degree. On the professional side, I’m still working with the U.S. Antarctic Program at the National Science Foundation and continue to find the job maddening and frustrating, but, in the end, very interesting and quite rewarding. The controversial announcement in August, 1996, by NASA researchers that a meteorite found in Antarctica in 1984 might contain evidence of life on ancient Mars has, in addition to stimulating quite a controversy, created quite a bit of work for me. The non-meteoritical world of Antarctic geology and geophysics is a bit less dramatic, but no less fascinating. Amongst the projects slated for field work this coming austral summer are two involving principal investigators who have Pomona connections. Richard Jarrard (’69) will be working with a multi-national stratigraphic drilling project aimed at recovering records of changing paleoenvironmental conditions in the
Antarctic continental margin from about 35-70 Ma. Molly Miller (lecturer in Geology at PC in 76-77 with Calvin Miller, '69) and colleagues will be following up on their discovery of the world’s oldest known crayfish fossil in the central Transantarctic Mountains.”

A. Lynn Roberts '77 is still pursuing life at the bottom of the academic food chain, finishing her fourth year as an assistant professor in the Department of Geography and Environmental Engineering at John Hopkins, where she teaches and conducts research in environmental chemistry. “One of my current PhD students is actually a recent Pomona graduate, although a Chemistry (and not a Geology) major. I do interact with some of the folks in Earth and Planetary Sciences at Hopkins, though, so I haven’t completely abandoned all my ties to Geology. The other week I was even on a qualifying exam for a PhD student in EPS (I asked her what the difference was between an ammonite and a Mennonite; she answered that they were both fossils! Obviously she had never taken Don’s 8 AM Invertebrate Paleo course, or lived in an area with a high Amish population). This last year has been pretty busy for us. Last May (2 days after my grades for the semester were turned in), we had a second child (Thomas Andrew Schneider), who joins William (now 5 and a half).”

Ray '77 and LiLi '82 Weldon are doing great. They have been in Eugene all year except for a five week Christmas visit to Thailand to visit Ray’s family. “Ray also did some teaching paleoseismology techniques to Thai geologists at Chulalongkorn University (Bangkok) and in the field (Mae Chan fault) near his father’s house in Northern Thailand. Ray continues to work (at Department of Geological Sciences at University of Oregon) like a dog in an underpaid, under appreciated environment. Higher education support is not a priority with our state of Oregon, and it faces more cuts into the future. LiLi did some work in Mexico last spring with the idea of starting a glacial geology project on Ixtachiuatl, but has decided to hold off on that and work closer to home to make it easier to manage the kids and Ray’s work. She is currently considering a Quaternary Stratigraphy study in eastern Oregon for the fall.” This summer the Weldon family is going to explore some areas in eastern Oregon. While Ray teaches field camp, LiLi will play with their boys and kayak.

Alex Bath '78, after finishing a M.Sc. in hydrology from the University of British Columbia in 1995, worked as an environmental project manager with O’Conner Associates Environmental Ltd. for 15 months. “OAEL is a consulting firm specializing in the evaluation and remediation of hydrocarbon contaminants. Since September 1996 I have worked with Golder Associates Ltd., an international consulting firm specializing in geotechnical, geological, and environmental engineering and applied science. I am currently living in Langley and working out of Abbotsford,
both suburbs of Vancouver. Children Lauren (10), Graham (8), and Colin (5) keep us on our toes. Spouse Karen (Queen’s 1983) just returned to work as a public health nurse after a 5 year break spent at home nurturing/advocating for Colin, who was born at 29 weeks gestation. We are all doing well in British Columbia.”

John Estrem ’78 after leaving Pomona spent 10 years with the U.S. Geological Survey in Menlo Park, CA conducting earthquake prediction research. “I managed one of the field deformation monitoring projects for the Parkfield Earthquake Prediction Program. In 1983 I took a break from earthquakes to pursue a degree in gemology, which I did at the Gemological Institute of America in Santa Monica. This was a fascinating 6 month residence program which turned out to be an amazing complement to my geological education. After moving and working in Mammoth Lakes, I returned to San Francisco in late 1984 to work on both the Mammoth Lakes and Parkfield areas from the USGS Menlo Park office. This move was good of course, because I met and married the love of my life, Jane Carlsen, and produced two beautiful children: Sam and Aninta. Tiring of earthquakes (but mainly of geophysicists), I transferred over to the EPA Air Division in San Francisco in 1989 (coincidentally, just weeks before the Loma Prieta Earthquake). In 1991 we moved to a small farm in the Portland, Oregon area. On 5 acres, we are currently raising dairy goats, sheep and poultry (in addition to the usual assortment of pets). Jane is well on her way to establishing a goat cheese business, and we have become a local supplier of lambs and eggs. I am currently working for an international consulting company called AGRA Earth & Environmental, Inc. I manage most of the environmental field operations relating to soil and groundwater remediation projects and I am very busy in the company’s business development program.”

Annabelle Lee ’78 is living in Houston but travels whenever the opportunities arise. Some of her favorite trips include two and half weeks in Tuscany and the Lake District in Italy, two and half weeks in Melbourne and the South Island of New Zealand, and two weeks in Burgundy with a side trip to Chamonix. “We combine our interests in wine and geology on these trips: there’s nothing better than sitting outdoors with a glass of pinot noir, looking across vineyards in the Yarra Valley, and discussing the geological setting of the region that produced that fine wine.”

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Paul Weimer ’78 has spent the past year on sabbatical, spending most the time in Boulder finishing old research projects and beginning some new ones. “I took some requisite consulting trips to maintain sanity for life in academe: Argentina, Canada, Singapore, Malaysia, Brunei, Hong Kong, Rio de Janeiro, Natal (Brazil), and local hot spots in the southern U.S. (Arkansas, Houston, New Orleans, Baton Rouge, College Station, Austin,
and Lincoln, NB). Last September, the AAPG/SEG jointly published an atlas that I co-edited on 3-D seismic—it was in its second printing by January. I also discovered a new stone this past year, one of the kidney variety. I now know what pain really is.”

Polly L. McCormack ’79 says that “as ophthalmologists, Keith and I have been able to take Mondays off together to enjoy our children Andrew (4) and Madaleine (18 months). Summer weekends are spent at our lake cabin with my parents, two sisters, and their families and friends. We visit my brother Don and his family annually in Colorado to ski and hike. Occasionally, Keith and I travel, most recently to cross-country ski in Yellowstone. I’m taking tennis lessons and reading fiction in my spare time. Our home is open to anyone passing through Minneapolis. We’d love to see you!!”

Eileen (McConnell) Fanelli ’80 is currently working for the East Bay Municipal Utility District (EBMUD) as an Environmental Compliance Specialist. “So what does a geologist do for a water utility? I clean-up hazardous waste on EBMUD property and support construction activities where there’s a significant amount of earthwork or construction dewatering. I move a lot of dirt around. My current project, however, is the environmental restoration of the Penn Mine Site in Calaveras County. The Penn Mine is an abandoned copper and zinc mine located along the banks of the Mokelumne River. I will manage the restoration of the site under the auspices of the USEPA. The restoration involves the removal of acid generating waste rock, construction of an on-site landfill to put the waste rock in, plugging up several mine shafts, regrading and revegetation of the site. We are currently in the planning and engineering design stages, with construction scheduled to begin in Spring 1998. Outside of work I am busy with my two boys, Gabriel and Dominic, ages 9 and 6, respectively. We are very happy here in San Francisco. I will never forget about a trip with Dr. Baird where, at 10 AM, the class was basically riding on the bumpers of the suburban, down some half washed out road in the Mojave, drinking the first beer of the day. I had the honor of sitting in the car with Dr. Baird, who I think believed me to be somewhat of a killjoy for not joining in. It wasn’t the beer in the morning that bothered me, more it was the likelihood of falling off the bumper! My memories are all very pleasant.”

Don Tsusaki ’80 is working in telecommunications for Siemens (once known as IBM, once known as ROLM), most recently in bringing a networked multimedia kiosk to market. “Debbie started her 2 month sabbatical after working 6 years at Aspect, a competing telecommunications company. Our 8 year old son, Alex (I had Dr. Baird in mind when we named him), is fully occupied with soccer, baseball, swimming, and roller hockey. His agenda drives our schedules. Nicky, the 4 year old, a.k.a. ‘Sticky Nicky’ for
all the candy he gets his hands on, spends most of his time terrorizing his older brother.”

Pamela J. (Hale) Anderson ’81 has a second baby, a girl, Beth, born March 8, 1995. She is now two and her big brother, Bob, is four. “My day is spent chasing the two of them. My husband, Roy, and I did, however, get away for two and a half weeks to France in April/May of this year.”

Cris Robison Norin ’82 and her whole family traveled to Cheyenne, Wyoming in late July for her cousin’s wedding on July 29. “John, the kids, and I have thought about driving or renting a car in Denver and then driving around. I also thought about going to the Tetons. I have never been there. I also think the kids would love seeing Yellowstone. I continue to be busy chasing our 2 sons—6 years of age and 3 years of age. They have helped me to get back to nature, because I wanted them to appreciate the outdoors. I became a Nursery Nature Walks Docent in 1995. Since then I have led at least 1 walk a month for children and their families in the South Bay area of Los Angeles (Palos Verdes, Torrance and vicinity). It is a challenge to teach respect for nature and some nature knowledge to children 1-8 years old. I was elected to the Board of Directors of Nursery Nature Walks in December of 1996 to serve for 1997. John worked for Hughes Space and Communication for five and a half years. He changed about 6 months ago and now works for News Corporation. He is still involved with satellites. Please feel free to contact me if you want more information about Nursery Nature Walks. It is a great organization in the LA area.”

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Joe Stagg ’84 has been a lab assistant in the UCSD Biology department for nearly 3 years and he has been in charge of the undergraduate “Biochemical Techniques” lab class. “I keep waiting for someone to blow the whistle on the fact that I am trained in geology, not biology, but so far I’ve managed to keep one step ahead of them. Naturally, as my office/lab is on Revelle campus, I remind anyone who will listen that Roger Revelle was a Pomona geology alumnus. . . At the first of the year, I became a master instructor in the hand-to-hand combat system of Universal Fighting. Rachel and I continue our coastal lifestyle, hoping that Jeff Jones (’84) and family will visit in the next decade or so. I’d enjoy hearing from any of the early 80’s crew—I’ll put you on my weekly humor list.”

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Brad Cornell ’85 has spent the last two years working as a science teacher and as the middle school science department chair at the Harvard-Westlake School. “Beginning next year I will take on a new position as 9th grade dean. My wife (Liz Armstrong-Cornell, ’86) taught third grade this year for Duarte Unified School District and will be moving over to Barnhart
School (a local private school) in the fall. Our two children are growing fast: Christopher (5) continues in pre-school and Michelle (7) is just completing kindergarten as I write.”

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Colin Driscoll '85, his wife, and two daughters moved to San Francisco. “I will be pursuing some further training in neuro-otologic and skull base surgery. After two years it is likely that I will return to the Mayo Clinic in Rochester, Minnesota. It was great seeing people at our 10th year reunion. How time flies!”

Dave McLean '85 is presently drilling oil wells off the Louisiana coast for Shell Offshore Inc. in New Orleans. He has become a horizontal well specialist, applying his geological and geophysical skills with new drilling technologies. He loves living in the Big Easy! Dave is hoping to hear from Steve Swope and Tom Cyr (1985).

Phil Nelson '85 in the following list gives a brief rundown of his activities since graduation:

Fall 85—Yale University, classes in graduate geology (though not enrolled in the program)
Spring 86—Marine studies at Farleigh Dickinson’s West Indies Lab in St. Croix, U.S. Virgin Islands (since destroyed in a hurricane)
86/87—Managed a sailing equipment store in New Haven, CT
87/88—Moved back to the LA area. Worked as a yacht broker in Marina Del Ray.
88/89—Managed a bookstore in Palos Verdes, and studied art and architecture at the UCLA extension program
89/92—Got my Master’s in Architecture at UCLA in an intense 3 year program.
92—Present—Moved once again back to New Haven, CT, to take a great job at Cesar Pelli & Associates, one of the top architectural firms in the world. Recent projects include Petronas Towers in Malaysia (now the world’s tallest); National Airport in Washington, D.C.; and numerous skyscrapers, concert halls, and other civic projects all over the world.

Steve Swope '85 is working at Pacific Groundwater Group in Seattle conducting water resource investigations and some environmental monitoring. “I got married last September and my wife, Karin and I are expecting a baby in December. I’ve been doing a fair amount of backcountry skiing and I managed to fit a one month trek in the Kanchanjunga region of Nepal last year. I see a fair amount of some other alumni including, but not limited to, the following: John Sharp, Bryan White, Mark Frankel, John Heller, Gina Rubin, and Peter Peterson. I ran into Chris Carpenter ('82) in Kathmandu.”

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Kevin ‘85 and Lisa (Brown) Lyons ‘87 have been happily married since the May of 1993. “We live in Houston, Texas, where, we are happy to report, Kevin has been gainfully employed as a geologist with Amoco since December 1994. Kevin completed his dissertation (“Sequence Stratigraphy and Facies Architecture of the Tithonian-Berriasian Great Valley Group, Northern Sacramento Valley, California”) and received a Ph.D. from the University of Texas at Austin. I was permitted to participate in the experience in the role of paste engineer, figure number editor, and courier. Kevin even let me share in the glory on the day he set the beast free. What a feeling! With graduate school behind him, Kevin has engaged in the more noble pursuits of fishing down along the coast south of Galveston, and watching the Denver Broncos. I have learned that I really love to teach. I work off and on for the Red Cross as a lifeguard, CPR, and swimming instructor. I also work for a small swim school. Eight and nine hour days in the water go by quickly because the children I teach are great. I would like to go back to practicing law if I can figure out how to make it as much fun as what I am doing. Please call if you are in Houston. (281) 293-9557.”

John-Mark Staude ‘87 believes that the last two years has brought on many changes. “In spring 1995 I completed my dissertation on volcanic-hosted gold deposits in Mexico and graduated with a Ph.D. in Economic Geology from the University of Arizona. We had been living here for the past four years hanging out with Pomona alums including Lisa Brown (’87) (now married to Kevin Lyons ’87) and Mark Brown (’88). Upon graduation I left my job at the U.S. Geological Survey and dove into the industry ranks as an exploration geologist for a large copper company (Magma Copper). My position in the company evolved into a manager role for copper exploration in Mexico. Then last year the company was bought by a larger multi-commodity mining company (BHP) which decided to expand into copper through acquiring Magma. I survived the infamous corporate merger and took on a new role as exploration geologist and manager for copper in Mexico. With the merger came world-wide travel opportunities and I spent part of the last summer in Argentina and I am off to Bolivia for six weeks later this month. My wife, Laura (’89), and I are expecting our first baby which is due in January. Having been married seven years we finally decided we better get with it. We’ve been having a ball. We both still run, even doing hashes here in Tucson. They aren’t as fun as Wash runs and the beer is not quite as cold, but there is plenty of it and we are definitely getting tamer.”

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Cara Davis ‘88 is busy writing her dissertation and plans to defend her Ph.D. in December. After that, she will be working for the Petroleum Geochemistry group at Exxon Production Research Co. in Houston. She married Nathan Way in Hawaii this past July. Nathan, a sedimentologist,
will also defend his Ph.D. in December and will then start work for Exxon Exploration Co. Cara and Nathan had a wonderful time visiting with other Pomona Geology alumni Lora (Stevens) Landon and husband Matt, Cris (Robinson) Norin and family, and Laura (Pavan) and John-Mark Staude this past August at Lora Stevens’ wedding to Matt Landon. Cara’s e-mail address is caldavis@indiana.edu.

Melissa (Wilson) Schuetz '89 is working as a Senior Project Geologist for “the same environmental consulting firm (8 years now!). However, as is the way of the 90s, we are now called Levin-Fricke-Reckon (formerly Levine-Fricke, Inc.) after being purchased by a French entrepreneur and merging with Recon Environmental. Needless to say this has caused some turmoil within the company but I have so far survived pretty much unscathed. For the past three years, I have been managing a large remedial investigation for an operating steel mill near Fontana, California. The work is actually quite interesting as it involves some science but still a lot of politics. Steve and I have purchased a house in Old Town Tustin where we have been renting for the last seven years. It is a nice neighborhood with old homes, huge lots, and many mature trees (we have an avocado, persimmon, two oranges, two nectarine, and two banana trees). Our daughters, Tyler and Kelsey, are growing up quickly and will be entering the first grade and kindergarten in the fall. Our lives are filled with school, work, soccer practices, and swimming lessons. I would love to hear from anyone and everyone!”

Libby Stern '89 completed her PhD. at Dartmouth in the beginning of 1996, using stable isotopes as indications of terrestrial paleoclimate. “Since then I have been a post-doc at U.C. Berkeley. I work occasionally with Mark Conrad, class of 1979, who directs the stable isotope laboratory at the Center for Isotope Geochemistry at Lawrence Berkeley National Laboratory, where I did some of my research. For the moment, I am still enjoying science, so I’ll continue with it until I get fed up with the constant battle for funding. I am enjoying the fine weather and zaniness of Berkeley.”

Matt Fouch '93 is starting his last year in the Ph.D. program in geophysics at Brown University and he plans to defend in the fall of 1998. “I received my Sc.M. from Brown in May 1996. Currently, I am working on projects in seismology and numerical geodynamics, but my focus has been primarily in seismology of the lithosphere and mantle. I’ve also been heavily involved in two field projects to deploy broadband seismometers in the eastern U.S., data from which will comprise the bulk of my thesis data. In our current deployment, we’ve set up one station near Vassar College with the help of Jill Schneiderman.”
LeAndra L. Archuleta '94 just finished a year long position with the U.S. Geological Survey in Woods Hole, Massachusetts. "Now I am working as a naturalist ranger at Yellowstone National Park. I love it here! I am thoroughly enjoying the geology and amazing wildlife!"

Alan Kaufmann '94 has done a lot of "stuff" since graduation. Here is a list of some of his activities:

- Summer '95—Integrated Pest Management Crew Leader
- Winter '96—Winter Camping Instructor
- Spring '96—Built sustainable solar houses in Taos, NM
- Summer '96—Ranger at the Philmont Scout Ranch in NM
- Fall '96—Hiked The Long Trail (300 miles) in VT
- Winter '96—Made snow at Mount Mansfield in Stowe, VT until he broke his pelvis
- Spring '97—10,000 mile graduate school road trip
- Summer '97—Backcountry Program Counselor in Clearlake, SD
- Fall '97—Attend N. Arizona University to pursue an M.S. in Forestry

Brannon Ketcham '94 graduated from the Nicholas School of the Environment in May of '96 with a Masters in Environmental Management. "During my 2 years there I concentrated particularly in the field of water resources. I was fortunate to land a job at the Point Reyes National Seashore, north of San Francisco. I began looking at sediment delivery to the watersheds from fire suppression activities and established a flow monitoring program within the park. My duties soon expanded and I have been working on various projects to develop a water resources program at the park. I have been writing grant proposals, and have been acting as the park hydrologist. . . I recently began a new position as the hydrologist on the Coho salmon and Steelhead habitat assessment and restoration project. It is a two year term working with fisheries' biologists to assess in-stream habitat and land use impacts, with the goal of mitigating some of the impacts to the water resources and fishery. I have really enjoyed living on the great San Andreas fault. The geology here is amazing!!!"

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Jennie Hango '95 believes that "contrary to what the MIT mailroom thinks, I really am still here, for another semester anyway. I'm finishing up my M.S. in Geotechnical Engineering this term, and I'll be looking for a job as a computer system administrator or consultant. My research involves geoscience and engineering educational software. One of my projects was to convert a Physical Geology Tutor software package to an HTML/CGI/Java format to make it available on the WWW. I have a demo page of the tutor up at http://cfd4.mit.edu/PGTdemo/. The other project that I am working on involves enhancing D subsurface soil modeling in a program called Nomad. I presented a paper at the Annual
GSA meeting in Denver last October entitled “The Physical Geology Tutor: teaching physical geology to engineers with the aid of the World Wide Web.” I saw Pranoti Asher at the meeting, too. I also did a poster presentation on Nomad at the Superfund Basic Research Program conference in Durham, NC last February. I took MIT’s Graduate Field Camp course, and spent two weeks in Death Valley N.P. last January. We investigated the faulting and neotectonics of the Wildrose Graben and the eastern side of Panamint Valley. Aside from geology and engineering, j’apprends francais, aussi. In my non-academic pursuits, I’m an avid English Country Dancer, and I’ve joined the board of Directors for the Boston Centre Country Dance Society. I’m also finishing a quilt that I started a year and a half ago.”

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Mark Hespenheide ’95 has completed two years of work for the department as the technician, enjoying the aspects of Pomona and Southern California that “no one has time for when they’re a student,” becoming more active with On The Loose, enjoying Oldenburg’s foreign film series, and ferreting out blues concerts in the L.A. area. He leaves the L.A. area in early July of 1997 to begin field work with Barbara John of the University of Wyoming, where he will pursue a Master’s in structural geology and igneous petrology. In his own words, “Thanks to Gus Kormeier ’96 and Stephanie Fisk ’96 and the beauty of the Sierras, I started mountaineering, and have now summited four fairly major peaks including Whitney by the mountaineer’s route. I started climbing with OTL and have gotten up to a 5.9 (top-roped) sport climbing, and have begun to understand why Brian, Evan, and Gus spent so much of their time on the vertical. I’ve taken up landscape photography and have been rewarded with a few good results for a lot of film shot in California’s mountains, deserts, and beaches. Curious people can check it out at http://departments2.pomona.edu/departments/geology/mark/intro.htm. The website also has text accounts from travels over the past two years. I feel fortunate to have gotten a teaching assistantship, so I’ll see whether a professorship is a feasible goal sometime in the future. And living at 7200’ in the Rockies can’t be all that bad . . .”

Arwen (Harris) Hogon ’95 moved to Pittsburgh after graduation to start graduate school in Classics (Latin & Greek) at the University of Pittsburgh. “On July 13, 1997, I married Christopher Hogon (Class of ’93) in Little Bridges. After a honeymoon through Canada, we returned to Pittsburgh. Chris is a graduate student at Carnegie Mellon University. After a year of teaching Latin and taking my own classes, I took my Master’s exams at the end of May 1997. I still haven’t heard how I did, but if I passed I will officially get an MA degree in December 1997. I just finished teaching a class called “Mythology in the Ancient World” during summer school. As
for geology, I managed to persuade the Classics department to let me take a class in Well Logging this spring which I enjoyed."

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Amishi Joshi '95 is currently attending graduate school at the University of Pennsylvania in the Department of Geology. September marks two completed years. "I am pursuing a Ph.D. in Biogeochemistry. I study nutrient cycling in temperate forest ecosystems and I thoroughly enjoy it! My field sites are in southern Chile and on Whiteface Mountain in the Adirondocks, NY."

Rachel Sours-Page '95 is beginning her 3rd year of a Ph.D. program in Marine Geology/Igneous Petrology. "I've been working on plagioclase-hosted melt inclusions in mid-ocean ridge basalts from various corners of the earth. I hope to complete my Ph.D. sometime late in 1999 or early 2000. I've just returned from a RIDGE (NSF) sponsored field trip to Iceland to promote collaboration between Icelandic and American scientists. We spent 5 days on field trips visiting different central volcanoes on the island. The rest of our trip was spent in school, learning about the similarities and differences between Iceland and submarine mid-ocean ridges. It's a beautiful island, and I would recommend a visit to every geologist!"

Evan Bilstrom '96 has been "screwing around a bit. I led backpacking trips in the North Cascades of Washington last summer and I found these great garnet schists all over the place. I also worked for Orientation Adventure in August then for an environmental education program through the North Cascades Institute. I then moved to Telluride, CO, to ski the light n' dry, steep and deep of the San Juans. My plans for the future include leading more backpacking trips this summer in the Olympics and N. Cascades and then winter in Bend, OR and ski a lot one last winter. I'm planning on going to school in the Fall of '98 to get my teaching certificate to teach in high school, earth science if possible."

Brian Cross '96 is moving back to California and marrying Jenny Molyneuy ('96) in September. They are going to live in the Bay Area and consider going back to school.

Gus Kormeier '96 and Stephanie Fisk '96 are living in Seattle with another Pomona alum, a Pitzerite, and two folks from Bryn Mawr. "I am working as a software engineer for a company that makes Administrative Software for small colleges. Stephanie is working for Pacific Trail, an outerwear clothing manufacturer. We have a wonderful dog, Butch, and we have really been enjoying the NW mountains. We spent last summer driving around Alaska. Stephanie's e-mail at work is: stephanief@londonfog.com. My home e-mail is vkormeier@juno.com and her home e-mail is
Later Gus writes, "This is a little note to let you all know that I proposed this weekend to the wonderful Ms. Stephanie Fisk and she accepted. The exact date and location are still yet to be decided upon. The auspicious occasion occurred at a scenic view in the North Cascades near Washington Pass. Butch was very polite to deliver the engagement for us. From the view, we hike to an alpine lake and enjoyed ourselves fly-fishing for Cuthroat trout. I hope to keep all of you informed as things progress."

Christian Schumann-Curtis '96 immediately after graduation went to Palm Springs to be a student assistant at the 16th annual ESRI conference. "I was able to conduct about a dozen job interviews, none of them immediately led to a job. This was partly due to the fact that I was married in June and subsequently left for a month in Europe. When we returned we went to Salt Lake City to visit family and so I could attend the URISA conference, another important GIS conference. When I didn’t get a job from that venture, we decided to move to Denver in hopes I’d find work there. Within a month of arriving in Denver I found a job updating the Census Bureau Tiger Files in preparation for the 2000 Census. The day that I started at the Census Bureau I received a call from someone I interviewed with at the ESRI conference. He offered me a job at his small company in Wheat Ridge, one of the Denver suburbs. The company scans aerial photography on high resolution scanners. Check it out at www.imagescans.com. Secure in the job, my wife is again pursuing a biology degree at Arapahoe Community College and Later Metro Community College. I’m investigating graduate programs in GIS at Denver University and at Colorado University. Meanwhile we’re enjoying the first place either of us have lived where there is real weather and four full-fledged seasons."

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Veronica Francis ‘97 has been doing very little since she last saw most of you. "I worked for the County of Riverside Industrial Hygiene Department and now I am trying to get a job running the computer lab in the new Hahn building. For those of you who haven’t been back since it was finally finished, it looks wonderfully modern, academic, and scary. I’m living in Redlands with my Mom, visiting Jillian from time to time, and I haven’t done anything remotely geologic for at least three months. I haven’t hocked my rock hammer yet, but mostly because it is good with nails. Still, life is good, and getting better. Hope that you can all say the same! If anyone is interested in reaching me, my phone number is (909) 335-9886, and my e-mail is vfrancis@pomona.edu."

Brian Lehnerz ‘97 moved to Virginia a few weeks ago and has started work at Project Performance Corporation. "Everything is going really well at the job, although I have been working long hours. At least I am getting paid
for my work now instead of paying all of you $30,000 a year to keep me busy. Right now I am working on 2 projects here at PPC: designing a remedial design training course for the EPA, and helping construct a Web site for a DOE document dealing with the history of the U.S. Nuclear Weapons Complex. Ask me any question about nuclear weapons, and I will know the answer! The best part about my job is reading through 1,000 page government documents and summarizing them in a few pages of text and graphs. Actually, as you probably know, reading government documents is about as fun as watching paint dry. The Nuclear Weapons work is interesting because it involves a lot of geology—ground water and soil contamination. One thing that Eric may be interested to know is that I may be performing a “probing” analysis in the near future to see how remote sensing can be used for long-term monitoring of nuclear waste facilities.”

Peter Leth ‘97 has been at ASU for about 3 and a half weeks and is still sorting out potential projects. “There is a good chance that I’ll become heavily active in Mars Global Surveyor data and/or Martian meteorites. I’m also considering pursuing projects in ore deposits, Galilean satellites and TEM mineral analysis.”

Pranoti Asher has joined the Geology and Geography Department at Georgia Southern University in Statesboro. “I will teaching Introductory Geology, Optical Mineralogy and Petrology in my first year. The department has NSF funds to redo the petrology and mineralogy lab and I am already going to meetings with the architects and engineers. On a personal note, Mike Kelley and I (finally) got married this past August in Winsted, CT. Guests from India, California, and Maine helped us celebrate this day. Mike is back in Troy, NY finishing up his Ph.D. at R.P.I. He will join me in Georgia next March. I hope that my former students and colleagues will keep in touch with me. I look forward to hearing what y’all been doin’. My e-mail address is pasher@gsaix2.cc.gasou.edu and my snail mail address can be found at the end of this newsletter.”

Donald Doehring decided to retire in 1996 “after nine years in various administrative posts (Department Head, Acting Dean, and University Mediation Officer) at Colorado State and saw little chance of going back to just faculty assignments. Since then, Barb and I have been traveling quite a bit, enjoying our granddaughter, playing golf, bird watching, fishing, hiking, etc. I am finishing up some research begun some years ago, starting some new work, serving on a few graduate committees, and continuing to serve on the Governor’s Council on Natural Hazards Mitigation.”
John Foster for the past two years has been the Chair of Geology at CSU Fullerton and has managed to produce three quadrangles of Quaternary Geology for the Cal Division of Mines and Geology. "I am presently working on a project to integrate GPS/GIS into field experience for our majors. My wife and I recently moved from our hilltop snake infested area to a nice large freeway close home in Irvine where rearing our two young boys Cameron (3) and Brian (1) has become a much easier task."

Donald B. McIntyre wrote to us the following:
For the past two years I have found great pleasure and interest as Chairman of Perth Civic Trust, an organization devoted to maintaining the historic character of the city of Perth and its surroundings. During this period several major issues were successfully appealed to the Secretary of State for Scotland. I was also able to re-organize the Trust's committee structure and adopt a new constitution. Other enjoyable activities include membership of the Committee of the Perth Burns Club, being Honorary President of the Perth Mountaineering Club, and Archivist of the Scottish Mountaineering Club. The Ladies Scottish Mountaineering Club invited us to a celebration that included recognition of climbs that I pioneered in 1947! At the APL95 meeting in San Antonio, Texas, I gave a paper on the role of composition in computer programming. I also contributed to Ken Iverson's J Phrase Book. As a member of the Piobaireachd Society (classical bagpipe music), I collaborated on a computer study of the acoustics of the bagpipe, which provided material for talks at the 1996 J Conference in Toronto and APL96 in Lancaster, England. The Kenneth E. Iverson Award is the computer industry's most prestigious award for APL achievement. I was honored to receive the Award in Antwerp in 1994, and I was further honored by being invited to prepare the tribute to Roger Hui, who received the Award in 1996. In that tribute I documented the evolution of APL into J. James Hutton, founder of modern geology, died on March 26, 1797. I was on the Committee of the Edinburgh Geological Society in 1947 when we celebrated Hutton's achievements on the 150th anniversary of his death. I was privileged to lay a wreath on his grave on March 26, 1997, and afterwards to address a large audience in the National Museum in Scotland. For nearly two years I have served on the Royal Society of Edinburgh's Organizing Committee preparing for the International Hutton Conference held in Edinburgh in August 1997. Sir Charles Lyell, who was born the year Hutton died, was honored in London immediately before the Hutton meeting, and the address by Jim Secord (Pomona '75) was the high point of the Lyell meeting. Prior to the Hutton meeting I took Professor Celal Sengor (Istanbul) on a field trip of 1,500 miles to the principal Huttonian localities in Scotland. I gave the opening address at the Hutton Conference, and on the last day led a field trip to see the granite veins in Glen Tilt. During the Conference my book on James Hutton was launched by Scottish Natural Heritage. It is addressed to a popular readership.
James Hutton: The Founder of Modern Geology
By Donald B. McIntyre and Alan McKirdy
The Stationary Office, Edinburgh, 1997

Dennis Dean has also dedicated to me his important new volume about James Hutton. The reference is as follows:

James Hutton in the Field and in the Study
Edited by Dennis R. Dean

In his introduction Dennis says that I am virtually his co-editor.

Old friends will be glad to know that Ewen now achieves a large measure of independence and joy as a resident at a center for adults with cerebral palsy. Ann, of course, continues to do good work, which includes both prison visiting and support for Jean Vanier’s L’Arche organization for people with mental handicaps. We keep up regular correspondence by e-mail, and enjoy a steady stream of Claremont friends who visit Scotland.”

Gerhard Oertel informs us that “little of note has happened to Irmgard (my wife) and me. Alumni of the classes of ’57 to ’61, however, may remember two of our kids who frequently accompanied us on field trips (and who didn’t dare, fresh in Claremont, to pass through the gates meant only for the thoughtful). Donata is at present chair of her Department of Neurophysiology at the University of Wisconsin, Madison, and Ulrich is chair of his Department of Mathematics at Rutgers University, Newark, N.J. The third kid, Martin, probably then too small to be remembered by many, clones pig cells at Magdeburg University, Germany. Ulrich is a bachelor, Donata has a son, and Martin has two and a daughter. As for myself, a book that I painfully and slowly wrote and made camera-ready on my computer, 1200 equations and all, has gone into print last year (Stress and Deformation: A Handbook on Tensors in Geology, Oxford University Press). For those daring enough to use or even buy it, I am sending a set of corrections to anyone who asks for it. Although these corrections all fit onto one small page, they straighten out some rather embarrassing mistakes, such as my showing a plus sign somewhere in the statement of a problem and then furnishing the solution for a problem that has a minus sign instead (with the minus-sign the solution comes out in round numbers, with the plus-sign it doesn’t). There is something I am working on, but I better not tell what it is because one never knows whether, in the end, it will be worth talking about.”
Jill Schneiderman writes:

It is so nice to be kept in the loop with regard to what’s going on at the Pomona College Geology Department. I keep in touch via communication with Rick and Don but of course it's not the same as being able to drop in every once in a while. I haven't been able to drop by the department of course. This is especially true because I stay very close to home these days because of my sweet Pilar! Yes, Pilar is still with me. She turned 16 on September 10. She still has her sweet demeanor, loves cookies, misses Aubrey, and looks longingly at squirrels. However, she is very shaky on her legs. I now have to carry her sometimes but she still comes to work with me. She is as big a hit here at Vassar as she was at Pomona. In fact, one of my students wrote an article about her for the student newspaper. He mentioned in the article the fact that Pilar loves salmon skin in hopes that students would drop by with edible treats but so far they come only with pats on the head for her. She likes these too. After two years in Washington DC (one as Smithsonian post-doc working on Nile delta sediments, and the other as a congressional science fellow working in the office of Senator Tom Daschle, Democratic leader of the U.S. Senate), I've settled into life in Poughkeepsie, New York and work at Vassar College. It's definitely harder in the winters here because of the snow and we can't go out for field trips all year long. Nonetheless my students and I still go out in the field as much as we can. My partner, Meg Stewart (also a geologist) and I bought a lovely, old Victorian close to campus. We've thrown out our boxes and are calling it home. My parents live not far from here as does my brother so we are happy to be able to see them without taking a long flight! Professionally, things are going well too. Meg and I went to China in August 1996 so that I could present my Nile delta research at the 30th International Geological Congress meeting. We spent a week in Beijing and then went to Shanghai for a week. I started a project on the Yangtze delta with Dr. Z. Chen, a colleague at East China Normal University. He will be visiting Vassar to continue this project in December of 1997. With regard to my teaching, I was thrilled to be awarded a two-year $80,000 grant from the NSF to develop a course entitled Earth System Science and Environmental Justice. It appeals to the activist in me and to the student activists here at Vassar. We are examining examples of environmental degradation in poor, urban communities and learning the geology that is relevant to finding solutions to those problems. The grant included funds to support 4 students this summer to help me develop the class and also to have them help me teach it this fall. We are doing that and find it very challenging and exciting. So, all in all, things are fine. I miss my Pomona friends and colleagues and hope that if any of you find yourself in the NY metropolitan area you will consider taking a beautiful train ride along the Hudson River to Poughkeepsie where we can have a visit at Vassar. I would love to hear from former students to find out what you are up to. If you would like to contact me you can reach me at schneiderman@vassar.edu or 914-437-5542.