On behalf of the Geology Department, I send greetings to all in our alumni "family". I have just returned from two months in the beautiful Wind River Mountains of west central Wyoming where for 21 consecutive years I have taught at the University of Missouri Geology Field Camp. Ann and I purchased a forest-lease cabin last Fall and moved in over the July 4th weekend. It is in a lovely place, with forks of the Popo Agie River on two sides, and we love it. The cabin is only a mile from field camp. I spent two and one-half weeks there after camp closed and it was not easy to come back to the heat and smog of the Los Angeles basin.

I should first express our gratitude to those of you who submitted information on your activities over the past two years since the publication of the last Newsletter. I have said repeatedly that it is your activities that are of most interest to your classmates so we hope you will keep up the good response in the future.

The two preceding academic years have been terribly busy ones, primarily for reasons given below. Jill Schneiderman took a leave in 1993-1994 to conduct research in the Sedimentology Laboratory of Daniel Stanley at the Smithsonian. Her main work was to attempt to determine the provenance of primarily metamorphic minerals in cores of the Nile Delta in a paleoclimatologic study. While there she applied to G.S.A for a Congressional Science Fellow and won the prestigious position where she has been in 1994-1995. In the Spring of 1994 Jill decided to make a substantial career change and accepted a tenured position at Vassar College where she will emphasize environmental geology, sedimentology, and women's studies. She is a most accomplished and talented young woman who has been, and will continue to be, a professional success (see also Jill’s activities in the News Notes section).

Jill’s replacement, Pranoti Asher, a Ph.D. candidate at the University of Connecticut (specializing in basaltic rocks from rift tectonic settings) was first hired as a one-year replacement but when Jill accepted the Congressional Science Fellowship, we were very happy to have Pranoti with us a second year. Pranoti was a fantastic colleague. To my knowledge, no temporary hire while I’ve been here has been more faithful to the department. In the words of Rick Hazlett in his Annual Report as chairman, Pranoti "proved to be an immensely dedicated, enthusiastic colleague who brought much appreciated energy and life to the department. Her good nature and easy approachability made her instantly attractive to our students ...". Pranoti was indispensable to me as convener for our Eighth Symposium of the Keck Consortium in April. Her great organization and drive was probably the main factor in making the symposium the success it apparently was, based on our feedback. Pranoti has accepted a position at Grand Rapids Community College in Michigan. She began her duties in late August.
When Jill informed us of her plans to leave Pomona, we had to do some serious soul searching. There had been some overlap in the area of petrology between Jill and Rick, continued by Pranoti's replacement of Jill. Given no encouragement for a fourth faculty position (which we feel is essentially a necessity in order to cover the field appropriately) from the administration, we came to the difficult decision (because of Pranoti's great ability and collegiality and our natural desire to keep her), but one that we thought was in the best long-range interest in the department, of changing the orientation of Jill's and Pranoti's position toward the more quantitative subjects of hydrology and geophysics. In the late Summer and Fall of 1994 we initiated a search for such a person and, to make a long story short, in a highly competitive search, finally decided on a newly-wedded husband and wife team of Linda Reinen and Eric Grosfils, both their Ph.D.s coming from Brown University. Linda was employed in 1993-1994 by ARCO and in 1994-1995 she taught at Cal State Bakersfield; Eric has just successfully defended his Ph.D. Dissertation on radar images of giant dike swarms on Venus. Linda, whose dissertation dealt with the experimental frictional behavior of serpentinite which could well relate to the behavior of a portion of the San Andreas fault and oceanic transform faults, will teach the structural geology course as well as other offerings in numerical modeling and hydrology. Eric, who concentrated in physics as an undergraduate at William and Mary, will teach geophysics, planetary geology, and remote sensing. Their breadth augurs well for the department and we look forward to a long and collegial relationship.

Two other matters of personnel are extremely significant. First, Jean MacKay, our tremendous secretary and friend of nearly 23 years will retire at the end of the year. Many of you were students since Jean joined the department and you know her well; many other alumni know Jean also. What a loss we face. Jean has been more than an excellent secretary; she has been always a most congenial colleague and at one time or another, a counselor for many of us. We can never find a perfect replacement but we'll try to come as close as possible. Jean and her husband plan to purchase a mobile home and although traveling a good deal, will reside in the immediate area.

Our technician of six and one-half years, Connie Baranowski, who many of you know, has decided to resign. Connie is a most talented, organized person and it may be extremely difficult to find a replacement who can match those qualities; our search for a new technician will begin in the early Fall.

Rick Hazlett, in addition to his unenviable (I write from experience!) task as chairman, has kept hopping, to say the least. He has been tireless in contributing to curricular matters within the department, primarily in developing an excellent introductory semi-quantitative course in environmental geology and in designing a very much needed geophysics offering that will now be taken over by Eric. Over the past two years Rick has supervised seven senior theses including: David Gianni ('94) and Alan Kaufmannn ('94) on the geomorphic development of an Hawaiian gorge; Veronica (Diaz) McKelvey ('95) on progressive...
methods in geoscience education; Ann (Johnson) Laudermilk ('94) on a gravity survey across the Blue Ridge, Virginia; Brannon Ketcham ('94) on a magnetics survey across the Blue Ridge, Virginia; David Saltzer ('95) on the volcanology of the eastern volcanic belt in Kamchatka; Rusty Gebhardt ('95) on a petrographic, stratigraphic, and structural analysis of the lavas in the area of the upper Klamath River; Bobby Christman ('95) on giant avalanches of the upper Klamath River gorge near the California-Oregon border; and Amishi Joshi ('95) on assisting in preparation of a field trip guidebook to the eastern San Gabriel Mountains and Cajon Pass area. Of the above, those theses of Johnson and Ketcham were done as "Keck" projects. Rick put most of his non-teaching, "professional" energy into what he does better than anyone I know - preparing guidebooks. He revised into its 4th edition, "Geologic Field Guide, Kilauea Volcano" (Hawaii National History Association), co-prepared (with Bob Varga) a guidebook for a W. M. Keck field seminar on extensional tectonics in eastern California, co-authored (with Donald Hyndman) a book (in press) "Roadside Geology of Hawaii" to be part of the famous "roadside" series, wrote "Field Guide to the Geology of the Eastern San Gabriel Mountains and San Andreas Fault in the Cajon Pass area, Southern California" for the field trip held in connection with the Eighth W. M. Keck Symposium held here at Pomona College in April. I maintain this guide, replete with "original Hazlett illustrations" will be a classic of its kind. Rick is also in the process of co-authoring a textbook on "Volcanoes" with Jack Lockwood (U.S.G.S.) to be published by Prentiss-Hall. In 1993 he published the second edition of his "Haleakala Discovery," (Hawaii Natural History Association) for the lay reader. In August, 1994, Rick co-led a field trip on Kamchatka volcanics with Russian volcanologists. He won a Parsons Grant from the College to enable himself and three students to study avalanches in the Klamath River Gorge. Rick was called on to review manuscripts submitted for publication to the G.S.A. Bulletin and Bulletin of Volcanology. Finally, he presented the following lectures: "Joshua Tree Geology" for the ranger naturalist training program; "Volcanoes of the Kamchatka Peninsula" at Pasadena City College; "Claremont and Earthquake Hazard" to the Claremont Kiwanis Club; "Teaching about Volcanoes and Earthquakes" to the Inland Area Science Teachers Association; and "Geology of the San Gabriel Mountains" at the Rancho Santa Ana Botanic Garden.

Pranoti brought considerable diversity to our academic program. In addition to teaching introductory geology, optical mineralogy, and igneous and metamorphic petrology, she also offered introductory courses in oceanography, and the geology of our national parks. She helped Rick in designing an amalgamation of crystallography and optical mineralogy, taught in the Fall of 1994. For a temporary teacher, she did more than her share of thesis supervision including: co-advisor (with Rick) of LeAndra Archuleta ('93) on the petrology and geothermobarometry of an enclave and host rocks of a unit in the Tobacco Root Mountains, southwestern Montana (Keck project); Rachel Sours-Page ('95) on the petrology and geochemistry of Miocene-Holocene volcanics in the Cascades of southern Oregon (Keck project; Jennifer Hango ('95) on magma mixing in the Cortland complex in New York; and co-advisor (with Zenger) of Arwen Harris ('95) on the petrography of a Precambrian metabasalt in the Laramie Range, southwestern Wyoming. Pranoti has published on a good
deal of her dissertation on the petrology of the Higganum diabase dike in Connecticut in the
form of: "Magmatic flow direction indicators in a giant diabase feeder dike, Connecticut",
(Geology, 1994, with Philpotts); "Wall rock melting and reaction effects along the Higganum
diabase dike in Connecticut: contamination of a continental flood basalt feeder" (Jour.
Petrology, 1993, with Philpotts); "Pyroxene geothermometry of the first magma in
Connecticut associated with the Mesozoic rifting of eastern North America (Geol. Soc. India
Spec. Volume, in press, with Philpotts). With others, she presented a paper "An
undergraduate course in 'computers and Geology' at the G.S.A. meeting in Boston, 1993,
and, with Rachel Sours-Page, papers on computer-based teaching of igneous petrology at the
Seattle national G.S.A. and the Hartford northeastern G.S.A. meetings in 1994 and 1995,
respectively. In her first year here she presented a talk on her dissertation work (see later
list of seminars). As referred to elsewhere, Pranoti contributed most significantly to our
successfully hosting the Keck Symposium in April.

I've been teaching my usual array of courses that most of you are familiar with. I did some
revision of the introductory course in line with the new general education requirements (see
below) and have it labeled Geology 8, "Nature of the Earth"; I'm shooting for more student
participation compared to Geology 1. I've advised, or co-advised senior projects as follows:
co-advised Geoff Siemering ('94) on factors affecting cadmium binding to dissolved organic
matter; co-advised (with Pranoti) Arwen Harris ('95) on her thesis on a Precambrian
metabasalt in southeastern Wyoming; Mark Hespenheide ('95) on development of tors on
the Beartooth Plateau, Wyoming (Keck project); and Sheetal Singh ('95) on the
determination of hydraulic conductivity based on geophysical borehole analysis. I have
continued teaching at the University of Missouri Geology Field Camp in the Wind River
Mountains, this summer having been my 21st. With Bruce Purser (Paris) and Maurice
Tucker (Durham), I co-edited "Dolomites: A Volume in Honour of Dolomieu" (Spec. Publ.
21 of the International Association of Sedimentologists) emanating from the 1991
conference in Ortisei in the Dolomite Mountains of Italy. In the volume are included two
papers, "Problems, progress, and future research concerning dolomites and dolomitization",
with Purser and Tucker and "Dolomieu and the first description of dolomites", with
Bourrouilh-Le Jan and Carozzi. I presented my paper with Dave LeMone (UTEP)
"Widespread 'Bighorn Facies', Upper Ordovician, North America" at the Seventh
International Symposium on the Ordovician System in Las Vegas and the paper was
published in a proceedings volume. Dave and I also presented a paper "Dolomitization
patterns in the Upham Dolomite (Upper Ordovician: New Mexico, Texas), southernmost
extent of the widespread 'Bighorn Facies'" at the Rocky Mountain Section, G.S.A., at
Durango, Colorado, 1994. My ongoing research, mostly on dolomites (what else?) in
Wyoming, includes: comparison of dolomitization patterns in the widespread "Bighorn
Facies" of the western craton; petrology and dolomitization of the Mississippian Madison
Limestone, Sinks Canyon, Wind River Range, WY; and stratigraphy, petrology, and
dolomitization of the uppermost Gallatin Limestone (Upper Cambrian), west-central
Wyoming. I continue as associate editor of "Carbonates and Evaporites" and as a member of
the committee "N.A.G.T.-U.S.G.S. Cooperative Summer Field Training Program". I served
as reviewer of manuscripts submitted to Carbonates and Evaporites and the Geological Society of America and of grant proposals to the American Chemical Society. Probably my biggest chore in 1994-1995 was (with great help from Pranoti) organizing the Eighth Symposium of the Keck Consortium of Small College Geology Departments. Outside lectures include: "Geology of Sinks Canyon" at the Sinks Canyon Visitors Center; "Mesogenetic Dolomitization: Neomorphism vs. Replacement in the Burial Environment" to the Los Angeles Basin Geological Society; and "Glacial Geology" to Pomona College alumni and other guests, Bobbie Burns Lodge, British Columbia. The latter was part of a program for Pomona College alumni focusing on the Canadian Rockies, August 1994. It involved three days of fabulous "heli-hiking". I will, finally, mention my being assistant coach for the Pomona-Pitzer women's varsity softball team. Although we were only 9-19, we were competitive in many of those losses.

Renovation and upgrading of the science facilities (pretty much in the same sites) are in the offing and, of course, await funding hopefully to result from an upcoming college financial campaign. It is early in the planning stages, and while we do not require any significant increase in space, we hope to improve on our room arrangement, etc. There should be much more concrete to report on in the next Newsletter. Rick Hazlett, as chairman, is in close touch with the Facility Planning Committee.

Curriculum-wise, we have deleted from our program the environmental track that had been in place for about five years. Our philosophy, based on discussions with those in the field, is that most sizable contributions to the field of environmental geology are made by those who get a solid undergraduate education and then at graduate school specialize in such areas as hydrology, soil science, etc. In fact, those who completed our basic undergraduate major seemed to be in a better position to contribute to the field at the A.B. level than those following the less exacting environmental track. Also, the new geology track within Pomona's Public Policy Program does offer opportunities in environmental studies. We think environmental geology is important but we have simply rethought the approach.

For three years now, immediately following the end of the second semester, Rick has led a nearly two-week field course, for credit, emphasizing mapping deformed uppermost Precambrian and lower Paleozoic sedimentary rocks in the "Poleta folds" area, southern White Mountains. It is done as a reading course and permits much more field time than would be allowed by the time-restricted "Structure and Field Geology".

The College has instituted a wholesale modification of the former varieties of the general education requirements that you were familiar with; the present program is based on students gaining at least some proficiency in certain "skill" areas, those most relative to science being: use and understand the scientific method; use mathematical reasoning and analysis; and analyze numerical data critically. Classes no larger than 30 are requested which will tend to limit the large introductory courses. With the exception of Rick Hazlett's environmental geology, which is quantitative and can satisfy the mathematical skills
mentioned above, Geology 1 and 8 (my "Nature of the Earth") mentioned earlier have been accepted as satisfying the "scientific method" skill. In addition to the requirement of three writing intensive courses (one of which is the required freshmen seminar), there is now the requirement of one speaking-intensive course. The "Sedimentology" course (Geology 109) is now designed to satisfy this; I have gradually been increasing the amount of time devoted to student presentations anyway, so this way the requirement can be handled within the concentration.

Since the 1993 Newsletter, we have had two outstanding Woodford-Eckis Lecturers. Many of you were on hand for one or both programs. In March of 1994 we hosted Dr. Robert H. Dott, well-known clastic sedimentologist at the University of Wisconsin and Twenhofel Medalist of the SEPM. Following an excellent dinner at the Faculty House, Bob spoke to us on "What a Fickle Datum is Sea Level: A History of Ideas about Relative Sea and Land Levels". The next day his superb talk on quartz sandstones constituted part of our seminar series (see below). Last February (1995), our W.-E. Lecturer was Dr. John Shelton ('35), and former faculty member in our department. His evening presentation was entitled "A Feel for How the Earth Works" and was, as expected, very polished and well thought out. Then, again as part of our seminar series, his eagerly awaited talk "The Aerial Perspective" lived up to expectations and was vintage Shelton. Here John shared with us his world-renowned aerial photography.

Our Seminar Series, some twenty years old, was established, as most of you know, primarily to give our undergraduates a look at geology and geologists beyond the confines of their basic curriculum. A list of the seminars presented in 1993-1995 are as follows:

"Geology of the Devonian Reef Complex, Canning Basin, Western Australia"
Dr. Vicki Pedone, Department of Geological Sciences
California State University Northridge

"Reworking of Dinosaurs at the K-T Boundary, Montana"
Dr. Donald Lofgren, Director, Alf Museum
Webb School of California

"Graptolites -- A Biologically Intriguing and Biostratigraphically Important Group of Fossils"
Dr. Stanley C. Finney, Chairman
Department of Geological Sciences
California State University, Long Beach

"Igneous Activity Associated with the Mesozoic Rifting of Eastern North America"
Ms. Pranoti Asher, Department of Geology
Pomona College
Our number of concentrators has increased significantly but the time-scale is so short that this cannot be taken definitely as marking a trend. In 1994 we graduated six seniors and in 1995, ten majors received their degree. There are nine seniors this coming year but, unfortunately, it appears that the junior class will probably be back in the "normal" range.

As can be gleaned from the list of theses over the past two years, several of our students (5) participated in the W. M. Keck program, which has been a boon to our program, as well as to those of the other 11 participating institutions. This summer five of our majors are involved in research projects as given: Jillian Hirst ('96) will study structural and metamorphic history of Archaean Rocks, Tobacco Root Mountains, Montana; Darren Gravley ('96) (with Rick as one of the faculty members in the program) will study Cascade volcanism in southern Oregon and northern California; Stephanie Fisk ('95) and Christian Curtis ('96) were in the Apennines of northern Italy investigating the tectonic and stratigraphic evolution of that mountain chain; and, Alexis Beard ('97) was involved in structural geomorphology in Massachusetts.
As referred to earlier, our hosting the Keck Symposium in April seemed to be a huge success. Some 100 students and faculty of the consortial schools were here. We mixed sessions in which reports were given on the research done the summer before (1994) with an all-day field trip emphasizing the San Andreas fault in the Cajon Pass area. And, perhaps surprisingly to you, over and over I heard comments that strongly implied that Pomona College dining room food beat that of the other institutions!! Incidentally, we have received word that both the W. M. Keck Foundation and the NSF have funded Grant V, to cover the next two years.

Special mention should be made of our 16 seniors of the past two years. They were showered with honors by way of our and awards, now all presented at Class Day just before Commencement. Following are the winners:

**RICHARD E. STREHLE MEMORIAL AWARD IN GEOLOGY**
1994  David Gianni, Alan Kaufmann
1995  Mark Hespenheide

**DONALD B. MCINTYRE-H. STANTON HILL GEOLOGY AWARD**
1994  Ann Johnson, Amishi Joshi
1995  Arwen Harris, Jillian Hirst, Ailco Wolf

**MASON L. HILL GEOLOGY AWARD**
1994  Mark Hespenheide
1995  Jenny Hango, Rachel Sours-Page

Four of these seniors have gone, or will go, to graduate school; some others will no doubt go later. From 1994, Brannon Ketcham is doing environmental science at Duke University. From this year’s class Amishi Joshi will attend the University of Pennsylvania, Rachel Sours-Page plans to attend Oregon State University, and Jenny Hango will go to M.I.T. These latter two young women were technically graduates of our neighbor Harvey Mudd College, but they devised their concentrations in geology at Pomona. Interestingly, of our nine seniors at present, two are students at Claremont McKenna College!

A couple of other incidentals, Rick and Connie spent a good deal of time preparing a user’s manual, primarily for students, that is an extremely useful guide to the nature and functioning of the department.

In addition to the field trips run in connection with classes or given for groups, such as Keck, Rick led two optional field trips to the Coast Ranges in the Fall of 1993 and a caving trip to New Mexico last January.

Well, you’ve been patient, reading over this material with your real interest no doubt being in finding out what your former classmates have been up to, which you can do in the next section.

-8-
Again, thank those of you who have contributed information. Special thanks to those who have made financial contributions. We are proud of our alumni group; our recognition comes largely from the achievements of our graduates. Keep it up and keep in touch! Hope you enjoy Newsletter 57!

Don Zenger

*IN MEMORIAM*

William C. Hill '29  May 19, 1993
George Rodecker '28  December 19, 1993
Lincoln D. Hall '27  January 30, 1994
Lorne Kemp '27  November 13, 1994
William Hawkinson '28  February 23, 1995
IN MEMORIAM

William C. Hill, Jr. May 16, 1909
Gracie Hallock, July 21, 1909
Inez M. Hall, July 27, 1909
Leroy Kemp, November 12, 1909
William Hepkenson, November 25, 1905

Final answer: The text is a memorial to William C. Hill, Jr., Gracie Hallock, Inez M. Hall, and Leroy Kemp, with dates of birth and death.
ALUMNI NEWS NOTES

H. Stanton Hill '33 thought it was time to send something in for the Newsletter and we are happy to share it with everyone. "I have been retired for twenty-three years from my position as Professor of Geology and Mineralogy at Pasadena City College. I spent nine years as curator of the mineral collections at Caltech, retiring again in 1981. While there, I added my 5000-specimen reference mineral collection to that of the Institute. Much of my large library of geology is now in the Pomona College Geology Library. With many of our goals accomplished, Mary and I have slowed down considerably. We both have some loss of vision and do not drive any distance. In spite of advancing age, we hope to be able to live at home, close to Mary's garden and my classical and opera recordings, and what is left of my books. I have a computer and recently got on America Online and have been exchanging messages with Donald McIntyre in Scotland." Occasionally Stanton has someone drive him out to Claremont and we thoroughly enjoy his visits with us.

e-mail: hstanhill@aol.com.

Louis J. Simon '35, "one of Woody's old students", has been kind enough to send us some news after a long silence. He reports: "For many long years we have been spending our summers and winters at our home in Incline Village, Nevada, at Lake Tahoe. In winters I have been lucky to ski several days a week and I summer as a member of Incline Golf Club. I play golf a couple of times a week. From September until early January we have stayed at our home in Santa Rosa (7163 Overlook Drive, Santa Rosa, CA 95409). Fortunately the retirement area "Oakmont" where we have our home has about 100 oil company retirees. Only two other Texaco ex's - Glenn Schrader from the Los Angeles office and John Curran from the comptroller's office in New York. In spring and fall we have an "Oilers" golf match - cocktails and dinner. I am the only geologist in this group. Unfortunately for me, after 11 years in remission, my prostate cancer came back. Since February we have been staying with our daughter in Kentfield. I am taking a series of treatments in chemotherapy at Mt. Zion, U. California Cancer Clinic in San Francisco. Thus my staying in Kentfield is much closer to San Francisco and the hospital where I get my treatments. Unfortunately, due to morphine pills, which comes with chemotherapy, I cannot drive an auto! I am on my 4th series of treatments and the cancer is some better. I do see and write to Bill White and Bob McGlasson who were in "Bug Lab" with me at Texaco and we hear fairly regularly from Dr. Hans Traudel Ashauer. He was Chief Geologist at Texaco." We thank Louis for bringing us up to date.

Rosalie Davis Matlovsky '36 faithfully writes for our Newsletter and has done so once again. She writes, "Most of my geology friends from Pomona are gone but it's good to hear that activities continue." Rosalie had two years of interesting geology classes with Dr. Woodford and Eddie Ogier, and although she never used her knowledge of the subject professionally, she and her husband found it to be an asset in their many travels. The
Matlovskys have attended the Alumni College a number of years and go to Elderhostels, take tours and cruises, and teach American Social Dance (formerly ballroom dancing) for Community Services at Pasadena City College. In March of this year Rosalie had a life-threatening auto accident from which she is still recovering (June '95). Apparently an elderly woman backed into her car and destroyed it and "almost did me in."

Melvin Swinney '40, and his wife Gwen, acquired a time-share villa at the Arroyo Roble Resort in Sedona, Arizona, a few years ago. It is located on Oak Creek where that stream exits the Mogollon escarpment. From there they have a grand view of the red rocks, which in the Sedona area are correlative with the upper Carboniferous and Permian section of the Grand Canyon but with a few local members of the Coconino formation. When Mel and Gwen have friends over to visit, he occasionally gets carried away and "lays a little geology on them", telling them that the region was once the equivalent of the Sahara Desert. His friends smile and nod, but Mel is never sure they completely believe him.

Mel and Gwen celebrated their 50th wedding anniversary in March of 1992. They gathered the entire family (3 sons, their wives and kids - 16 in all), set the camera on self-portrait, and got a group picture to help remind them of the wonderful occasion. Following that, Mel and Gwen headed for Ft. Lauderdale, boarded the Neurdam, and sailed back to California, via the Panama Canal. Mel had crossed the Isthmus in late 1944 on a troop train, but found it more luxurious on a cruise ship.

Another enjoyable trip for the Swinneys took place a year or so ago. They, along with another couple, rented a narrow boat and took a canal trip from Bunbury to Llangollen and back. The boat was 60 feet long with a 7 foot beam. The highlight of the trip was crossing the River Dee (just east of Llangollen) on an aqueduct that is 1007 feet long and 126 feet above the river. A very interesting trip. By the way, says Mel, Llangollen is in Wales!

Jack Schoellhamer '42 says there is not much new to report from Watsonville. Last winter they had 41 inches of rain but since he is up on a hill, it didn't pose much of a problem for Jack, but it was hard on both the avocado and apple trees.

During last Christmas vacation, Jack spent a month camping and exploring parts of Baja California. For him the highlight of the trip was a visit to the famous ammonite locality in Santa Catarina Canyon. Only a few fragments were left - it has really been cleaned out by collectors of various sorts. He camped at this site for several days and it rained most of the time, but the lobsters that the locals gave him were excellent, so all was not lost.

Art Krause '48 and his wife, Patricia, are part-time Utah and Arizona residents. In response to the 'good life' they have stayed active in SCORE, Pioneer Theater Guild, Assistance League (SLC) and The Raechel P. Lunt Foundation and Sedona Oasis (Sedona). Art participated in the Rocky Mountain Association of Geologists' Summer 1992 raft trip through the Grand Canyon. Good for you, Art!
Jack Vedder '48 is working as a volunteer (Scientist Emeritus) with the U.S. Geological Survey and continuing to compile some of their 1:24,000 geologic mapping in the Sierra Madre and San Rafael Mountains of northern Santa Barbara County. The Survey's ability to survive the current political axe-wielding will determine how completely successful this endeavor will be. Jack and Diane are still mixing visits to their refuge in Magdalena, New Mexico with travel abroad. Recent trips have included coastal Peru and Chile, together with an excursion through the Lake District of Chile and Argentina in the Andes. Another tour took them up the Orinoco River and its tributaries with side trips to Canaima, Angel Falls, and a remote cattle ranch on the Llanos (Venezuela's "out back"). They found them fascinating places to see, both culturally and geologically.

Evelyn Van Lopik Stark '50, along with her husband, has now retired. They travel extensively and are both always busy. Evie has cut down on her volunteerism but still keeps her finger in a lot of pies. She is still an avid rock hound - her backyard is one big display! The Starks have just had their first grandchild, even though Evie feels they are old enough to be great grandparents - late bloomers!

Jim Parsons '56 writes that this has been a year of major change for him. "After almost forty years working for several agencies of the State of California, I have retired. My career covered 13 years of geotechnical work at Oroville Dam, the San Joaquin Valley portions of the California Aqueduct, and the failure of the Van Norman Dam during the Sylmar earthquake. Next came five years of ground water studies including work on a mathematical model of the Santa Clara River basin in Ventura County. The final 21 years, I was working with ground water pollution control, mainly with regard to landfills. Throughout, I needed to apply my geology training to help engineers, planners, and occasionally, politicians, to understand better the subsurface environment and what they were doing to it. It's been a challenging, yet fun, career.

"Last April, I spent almost a month visiting five of the Hawaiian Islands. I had hoped to see Tom Wright at Kilauea, but he had been transferred back to the mainland. Then, last October, I attended the annual meeting of the Association of Engineering Geologists (AEG) in Williamsburg, Virginia. Following, I played tourist at the Blue Ridge, the Finger Lakes and Adirondacks in New York, and into New England. It was great seeing all the continental glaciation features.

"Most of my time now is putting together the next annual meeting of AEG which will be in Sacramento, CA in early October. I hope to see lots of Pomona College grads there. Anybody wanting information on this convention, please contact me."

E-mail: 71121.2154@compuserve.com

Pat Mummer '58 is still working (at the moment) for the U.S. Geological Survey at the Western Region Center in Menlo Park, CA. "For over 30 years at the USGS I've been focused on the nature and distribution of geothermal resources, with various interruptions for managerial stints in both geothermal energy and volcano hazards. In recent years, my research has focused on the Cascade Range, in particular the Lassen
region. A 1:50,000 map of Lassen Volcanic National Park and vicinity and a 1:1,000,000 map of the Lake Almanor 1°X30’ sheet are in the final stages of preparation in ARC/INFO format, as well as a comprehensive geothermal resource assessment of the Cascade Range. This year, I presented three papers at the World Geothermal Congress in Florence, Italy, and got the chance to visit geothermal areas in Poland, Slovakia, Hungary, and Romania, plus a spectacular visit to glacially exhumed central volcanoes in southeast Iceland. These experiences only in part make up for the trauma associated with the present forcible downsizing of Geologic Division in the USGS. It appears that I shall survive the Reduction in Force (RIF), but many colleagues and friends are being let go in a byzantine, bureaucratic, and demoralizing process. The USGS as an organization of colleagues bound together by mutual trust is gone forever."

e-mail: pmuffer@mojave.wr.usgs.gov. FAX: (415) 329-5203

Robert I Tilling ‘58 has an excellent suggestion. To those alumni who have FAX numbers and e-mail addresses, please let the department know so that we may provide them in the Alumni Directory. Bob’s updated news is as follows: "Despite the difficult period that the USGS is undergoing – possible abolishment, severe budget cuts, and demoralizing identity crisis – I’ve decided to continue working, rather than retiring. At least for another year or so. My work still involves the study of active volcanoes and volcano-hazards mitigation; my current field area is Mount Hood, Oregon. In 1995, the Second Edition (1994) of This Dynamic Planet: World map of volcanoes, earthquakes, impact craters, and plate tectonics (I am a co Compiler) was published, as part of my continuing efforts in volcanologic ‘outreach’.

"On the personal side, daughter #1 (Bobbi) was married in July 1994, and daughter #2 (Karen) has completed her MBA at UCLA. My workaholic wife Susan (nee Greenfield, Pomona ’59) is still very much involved in the Bay Area real estate scene, working for Coldwell Banker Real Estate (Menlo Park office) and the California Association of Realtors."

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Norman Hyne ’61 has just published his 7th book, "A Nontechnical Guide to Petroleum Geology, Exploration, Drilling and Production" by PennWell Books and is editing his 8th book "Sequence Stratigraphy of the Midcontinent" that will be published in October of this year. Norm finds teaching petroleum exploration short courses takes up most of his time; however, he was able to trek the Inca trail in Peru up to Machu Picchu and hopes to climb Mt. Kilimanjaro in Africa this year.

Douglas W. Sprague ’62 continues to work for CalMat Company (a sand and gravel producer) permitting new mines (a political process) and reclaiming depleted ones (a biologic process). "A reclamation project in Cajon Creek, San Bernardino, California exemplifies the native habitat restoration projects being undertaken. Here a functioning Alluvial Fan Sage Scrub (AFSS) plant community was re-established, following mining.
which mimics natural succession following flood scour. The AFSS community is adapted to active flooding. Plant material used, seeds and cuttings, were obtained on site to preserve local genetics. Weeds were removed, saved top soil was spread over recontoured side slopes and the site seeded and hand planted. Eighty acres have been reclaimed to date out of the 400 acre site which has been mined since the 1920s.

Jim Kelley '63 continues as Dean of the College of Science and Engineering at San Francisco State University. He has been dean for 20 years now and continues to learn from the very diverse student body about life and about the world. He continues to travel in his research and lecture schedule and this year has been in the Sargasso Sea, the Sea of Cortez, Indonesia, China, Japan, Singapore, and the high Arctic north Atlantic in Spitzbergen, Jan Mayan, and Greenland. Jim has taught a course on John Steinbech and Ed Ricketts (“this interdisciplinary interest is a gift from Donald McIntyre”) for 18 years and this year was invited to give the keynote address at the Cannery Row Symposium which celebrated the 50th anniversary of the publication of the novel. Jim continues to do research on several alpine lakes in the Sierra. His son, Jason, graduated in Geology from SFSU this year. His daughter, Megan, the only non-scientist in the family, is an accountant at Coopers and Lybrand in the City, and Susan (Biology, '64) teaches math at Cunha Middle School in Half Moon Bay.

Jim Williams '64 writes that the last two years have not been uneventful. "The most obvious change for me personally has been my leaving the faculty to become an administrator here at Citrus Community College. After 25+ years in the classroom, I'm now Dean of Faculty, with all the flack from my colleagues that goes with leaving the 'ranks'." Jim still teaches a course entitled Chemistry for Allied Health Students (primarily nursing), but most of his time is spent with meetings, schedule, budget and the always unhappy individual who has just been "done in" by the institution. In spite of this, he is finding his new assignment to be challenging and rewarding and hopes he will feel the same way several years from now. "A disturbing point, that most might find interesting, is the reduction in the number of students taking Geology here at Citrus. In the years I've been here, the number of students taking Geology is down 50%. Majors are almost nonexistent, not that they were ever that high." All this is in spite of the emphasis placed on Earth Science, in the training of K-12 teachers in the California public school system. It is obviously an item of concern to the Physical Science Department. Jim regularly attends our Woodford-Eckis Lecture and dinner and it is always a pleasure to see him.

David D. Pollard '65 has been serving as Chair of the Department of Geological and Environmental Sciences at Stanford University since the department was formed two years ago by merging the former departments of Geology and Applied Earth Sciences. With about 20 faculty, 100 graduate students, and 35 undergraduate majors, they account for about half of the activities in the School of Earth Sciences.
"The new department integrates the traditional academic geological subjects with areas of research and teaching that represent applied subjects including hydrogeology, environmental geochemistry, petroleum geology, land resource planning, geostatistics, and active tectonics. Apparently we have put together an attractive package for students as the number of undergraduate majors has nearly doubled and the number of applicants to our graduate program has gone up by more than 50%.

"Virginia and spent a very enjoyable week at the National Cello Institute held every year at Pomona College at the end of June. She played the cello and I hid out in the science library with my computer getting some research done that is impossible to do with my hectic schedule and many interruptions at Stanford. It was fun to stay in the dormitory and pretend we were once again Pomona students!"

FAX: (415) 725-2199

Bob Michael '66 is still running an oil and gas lease and environmental (underground fuel tanks, etc.) business out of his home in Santa Barbara. For the past two years, Bob has had a "lucky streak" with contests. Here it is in his own words. "In December 1992 (airdate October 1993), I won the grand prize in the PBS NOVA 10th Anniversary Science Quiz -- an "Earthwatch" expedition for two anywhere Earthwatch goes. Naturally, I picked a geology project -- and, in a place that's pretty hard to get to, Kamchatka, Russia. The Earthwatch crew assisted a team of Russian volcanologists from the Institute of Volcanology in Petropavlovsk (and one American, Michael Sheridan of SUNY Buffalo) in mapping and sampling ejecta from the 1907 eruption of Tsudach Caldera in southern Kamchatka, a phreatic lateral blast somewhat analogous to Mt. St. Helens but bigger. The older Quaternary rocks that make up the caldera structure were also studied. The Russians are interested in the chronology of eruptions on Kamchatka as the one big city, Petropavlovsk (a truly dismal expanse of gray Stalinist concrete) sits right at the foot of two Quaternary stratovolcanoes. It was a real privilege to be one of a handful of Americans ever to have experienced the primeval volcanic landscape of a place that only a few years ago was unthinkably off limits. And, the warmth of our Russian hosts was unforgettable.

"In November 1994 (airdate March '95), I was on 'Jeopardy'! I was doing well after the second round, in second place but closing hard, when I crashed and burned on 'Final Jeopardy' (Category - groan! - 'Colleges and Universities') (No, the correct question wasn't 'What is Pitzer?', but, 'What is Columbia?', for which I was utterly clueless.) After that wipeout, I ended up in third place, for which I won a lady's diamond-studded gold watch.

"And, in May 1993, I won a new Ford Ranger pick-up given away by the (aptly-named) Lucky Supermarket chain, on the strength of one hastily-scribbled entry tossed into a box at my local Lucky's."
Bob has acquired a new physical outlet at his "advanced age" - two-man (or co-ed) beach volleyball. He finds it a great all-around conditioner and stress reliever. After all, where else is it socially condoned to hit a ball as hard as you can in your opponent's face?

**Calvin Miller '69** and Molly continue to teach at Vanderbilt. Calvin has been Department Chair for several years. He is presently working on the interpretation of chemical zonation patterns (including U, Th-Pb) in accessory minerals as a clue to crustal history; on extension-related magmatism in southern Nevada; and on the igneous and metamorphic history of the Blue Ridge of North Carolina. Molly is heading back to Antarctica this fall to study Permo-Triassic sedimentation. She was just named Chair of Distinguished Teaching at Vanderbilt - a sort of teaching role model position for the University. Their children, Zach (15) and Spring (17) are fast approaching adulthood. Spring, who will be a Senior in the Fall, is very actively involved in searching for colleges, and Pomona is very high on her list.

**Tom Doe '71**, International Consulting Geologist, visited with us in November of 1994 and led a discussion on "Life After Pomona". The subject was the field of geological consulting, its demands, prospects, opportunities, and examples of outstanding case projects.

**Rodney Stevens '73** finds that, after 18 years in Sweden, it's a bit odd to be feeling less Swedish and more American. This is mainly relative, since the children (Sara 9 and Marie 12) have a definite advantage, not to mention Marianne, his main reason for being there. Rod's department has recently moved to a new Earth Sciences Centre in Goteborg (Geology, Marine Geology, Oceanography and Physical Geography), and he can often see that his approach to re-organization is often in contrast with the typical Swedish laissez faire. "At least the new building has an American touch in the form of a large ficus tree that grew up in Florida.

**Sherman Suter '74** has been at the Smithsonian Institution for the year 1994-1995.

**Craig Gander '76** retired from Chevron Oil Company in 1992 and is now Senior Geochemist with the Smith Environmental Technologies Corporation in Englewood, CO (Denver area). Craig's daughter, Mindi (who was born in November of 1974), is now a Senior at Colorado State University (Business major). The other three children are in high school and middle school.

**Ed Reyes '76** wrote on June 30, 1995 that adoption is pending for their second son, Stephen Adam, 19 months old, who has been with them for one year (on the day the letter was written). Ed feels very much a fixture now at Aerial Information Systems in Redlands, having been there for almost 16 years. He is currently Project Coordinator, doing photo-interpretation, mapping, and automation for Geographic Information System (GIS) databases. They are presently involved in photo-interpretation of vegetation for the
National Park Service, a very challenging endeavor. Ed enjoys this type of work very much, "as you can tell, since I'm still there".

FAX: (909) 798-4430

Lynn Roberts '77 has just finished her second year as an Assistant Professor in the Department of Geography and Environmental Engineering at the Johns Hopkins University in Baltimore after having spent the last 9 years in Boston (7 as a graduate student, 2 as a lecturer/postdoc). She is mostly engaged in research in the area of environmental chemistry, with an emphasis on fate and transport of contaminants in aquatic systems and development of innovative groundwater remediation techniques. Lynn's husband, David Schneider '79, keeps busy as a computer systems analyst developing financial software for a local company, and their son William (age 3-1/2) devours whatever information he can find about dinosaurs and often pretends to be a Tyrannosaurus rex.

Lynn continues to write: "So far I'm enjoying life in academia, despite the fact that the funding scenario is fraught with so much uncertainty at the moment. I've been lucky enough to get a Young(!) Investigator Award from the National Science Foundation (Pomona College Today must have misinterpreted the press release Hopkins sent; it wasn't one of two such awards in the whole country, only one of two in environmental engineering), which is allowing me to purchase some fancy new equipment and take on additional PhD students, one of whom just graduated this past year from Pomona as a Chemistry major. Ask me again in eight years if I'm enjoying academia when I'm up for tenure!"

e-mail: lroberts@jhuvms.hcf.jhu.edu. FAX: (410) 516-8996

Mike Jorgenson '78 has been working for several years down in San Diego with a consulting firm (Woodward-Clyde Consultants) as a geologist. He feels lucky to be able to work in the field (literally and figuratively)! Lately, Mike has been busy with engineering geology and some environmental geology. He gets to play in the dirt and water (just like his 3 year-old son!). It looks like Mike will be transferring down to the firm's Melbourne office in Australia, so things could get hectic for him very soon.

e-mail: mrjorgeo@ccmail.wcc.com.

Vince Cronin '79 sent a Christmas Newsletter in 1993 and we'd like to share it with all of you. "Since last Christmas (1992), we have continued to alternately demolish and reconstruct our little house, all the while mumbling 'This house is just too small.' Of course, our house has gotten much smaller now that Kelly is bouncing around it like some high-energy atomic particle. Kelly is now 2 years old - those of you with children know what that means, and there is nothing that I can do to explain it to the rest of you. Anyway, we are starting to look for a bigger house to demolish."
"Sometime last winter, we decided to remodel our only bathroom. Using our favorite remodeling implement (the sledge hammer), we cleared the way for new walls, ceiling, sink, tub, etc., and so on. Last week, I finished re-doing the bathroom’s sash window to bring the project to completion.

"Why did it take so long? Well, first we had to deal with a lead-poisoning scare — Kelly was discovered to have an unacceptably high level of lead in her blood, which of course can result in all sorts of bad things. The most likely source for the lead was the flaking paint on our 6 large radiators, we we took a break from our bathroom project to clean, prime, and cover the radiators with several coats of special lead-blocking paint. Kelly was re-tested last week, and now has a negligible amount of lead in her blood stream.

"Around the time the radiators were safely embedded in new paint, the glaciers receded from Milwaukee and Kelly discovered how much fun it is to play in our back yard for the first time. She also discovered our various neighbors’ back yards, so it was time for us to take another break from the bathroom project to build a white picket fence around the yard. (Painting a picket fence white is a task that is just about as diverse and fascinating as putting multiple coats of paint on radiators, for your information in case you have never had the pleasure of doing either.)

"Cindy successfully lobbied for a new Nissan Quest (made in Ohio by Ford, in case you care about such things), which should be delivered early in 1994. Our two 2-door cars just weren’t working out with a growing, wiggly Kelly and her bulky car seat to contend with. Besides, it was rather presumptuous of us to call ourselves a family without owning a mini-van. The color of Cindy’s new Quest? Aggie maroon, of course!

"Vince spent his usually unusual amount of time working on his teaching and research this year. Various university committees went through the process of evaluating him for tenure during the last few months, and the outcome was very positive. The significance of Vince’s successful bid for tenure is that we will be able to stay here until we decide it’s time to move on. A measure of job security is a decidedly good thing these days."

Tom Hoisch ’79 has some very important and exciting news for us - on July 11, 1995 he married Judy Grosswiler, a violinist and ballet dancer from Denver. Tom, we wish you much happiness in the years to come.

The last two years have been very interesting and eventful for Tom. He spent most of it at the USGS in Denver, first on sabbatical from Northern Arizona University, then through a grant which released him from his obligations at NAU. "I worked on a project to help determine whether Yucca Mountain in Nevada is a suitable place for the long-term storage of nuclear waste. I studied the tectonics of the area 10 to 20 kilometers west of Yucca Mountain in an effort to determine if the detachment fault exposed there projects beneath the mountain and if it is a potential seismic hazard. It was interesting for the science as well as for the politics, since the Yucca Mountain Project is controversial and has received coverage on McNeal-Lehrer and in major newspapers."
Tom returned to Flagstaff in July, 1995 to resume university life. He has also been pursuing research in the western U.S. from the Canadian border to southeastern California, through grants from the National Science Foundation, and last year graduated his fourth M.S. student.

Polly McCormack '79 is another very busy alum. "After Pomona I studied medicine in Rochester, NY and ophthalmology in Minneapolis where I now live, right on the Mississippi. In 1984, I had a 6-month break before residency; I met Keith at a 10-week course in Maine, finished climbing the 54 14,000' peaks in Colorado, and worked on a cruise ship. Before entering private practice, I traveled Europe, Israel, Egypt, Argentina, Brazil, New Zealand, Australia, China, Korea and Japan. After 8 years I saw Keith again when we took ophthalmology boards. When, for a first date, he asked if I'd like to go to Papua, New Guinea, I sensed the relationship would be extraordinary. We married in 1992. Together we've trekked in Bhutan, gone scuba diving in Oman and Thailand, kayaked in Alaska, explored the Galapagos, and sailed the Turkish coast. Weekends at our cabin with Andrew (2) and his cousins are more sedate, but just as much fun. Our second child is due next January!"

Pam (Hale) Anderson '81 says the only major event this past two years is the birth of their daughter, Jessica Beth Anderson, on March 8, 1995. Her older brother, Robert Hale Anderson ("the Bobster"), born December 16, 1992, is now half way through his terrible two's! They keep Pam plenty busy. Greetings from Pam to LiLi and Ray Weldon.

Laurel (Vedder) Kirkpatrick '81, and her husband Craig, are living in an older (circa 1910) home in the town of McKinney, Texas - about 25 miles north of Dallas. "Two girls, Ann (3) and Erin (8 mos.) are keeping our lives full of sunshine and mischief. Windsurfing and Kayaking hobbies have given way to swimming lessons and trips to the zoo. I am still employed as an exploration geologist by ARCO (with lay-offs occurring every 6 months, on average, this is a minor miracle!). My area of responsibility includes both Ecuador and Peru, but as of yet I have not had the opportunity to travel to either country. Lately, we have been contemplating a move to Portland, Oregon, where Craig's employer, Hewlett-Packard, has a booming sales office. If all goes as planned, my days as a petroleum geologist may be numbered. Warmest regards to fellow alumni and faculty."

Cris (Robinson) Norin '82 referred back to our newsletter of 1990 where we encouraged graduates to write about their activities. Well, she finally took it to heart and brought us up to date on her busy life. In June of 1990, Cris married John Norin (HMC) in a lovely church in Glendora. She continued to work for a while at Levine-Fricke as an environmental geologist. "By mid-1991 our first charming boy (Mark) arrived and we moved to Redondo Beach. John started working at Hughes Aircraft - Space and Communications Group. I was one of those lucky few who hung up the steel-toed boots
for a diaper bag and stroller. It has been wonderful to be home with Mark. I see things differently and yet the same. Then came 1994 - reality check - we bought a house, so we are not leaving southern California any time too soon; we also had a second baby boy (James). We saw "real" lava consuming vegetation and a road on the Island of Hawaii and Dr. Jim Anderson led us to many an outcrop while there. In 1995 John traveled to Asia multiple times and I completed the docent training for Nursery Nature Walks (NNW). It is a nonprofit organization which leads nature walks through Los Angeles and Ventura Counties. The wonderful training program covered many topics including geology, animals, plants, Native Americans, and walk "tricks". I will lead my first walk in October to an area fairly close to Portuguese Bend on the Palos Verdes Peninsula. Please feel free to call me if you need information about NNW. We hope to spend Labor Day Weekend in a geologist's heaven - Yosemite!

Ann Sturdivant '83 keeps in touch with the department by attending Woodford-Eckis lectures and dinners every year. She manages to keep us up to date with her geology-related endeavors, even though she spends much of her time chasing three boys around the "house/yard/universe..." Believe it or not, she actually has some other interesting things going on, in addition to the joys of parenting. She writes as follows:

"I am happy to report that, since the last newsletter, I have contributed to two publications. The most recent article, of which I am second author under Ann Sturz of Scripps Institution of Oceanography, will be in the Journal of Sedimentary Petrology. The article pertains to our studies of sea floor sediments from the Guaymas Basin, Gulf of California.

"I continue to work (and work and work and work!!) as an Associate Engineering Geologist in the Land Disposal Section of the Santa Ana Regional Water Quality Control Board. It is quite a challenge to work for a regulatory agency in today's political climate. California's annual 'state budget gymnastics' have become more of a concern each year. So far, the governor has (grudgingly) conceded that environmental protection laws are necessary. As a reality check, I always return to the basic and essential fact that no economic interest can outweigh the urgency and the common sense simplicity of protecting the quality of our water. Well, as it turns out, I like my job!

"Our family stays very busy, too. Barrett and I are home-schooling our twin boys (age 7). This is an exciting, rewarding, and exhausting task, when combined with two full-time jobs and the care of our little two-year-old boy! Ah, what a life. Think of the 'war stories' we'll have to tell some day."

Ann is one of many of you who appreciate the newsletter. She finds it fun to read, and full of interesting and surprising information. Thank you, Ann.
Joe Stagg ’84 visited the department this past Spring and introduced us to his wife, Rachel. We always enjoy Joe’s frequent stops in Claremont. He started a new job in October of 1994 in the Biology undergraduate teaching labs at UC San Diego. Joe is the staff support for the biochemistry courses, which means he prepares the solutions, maintains the equipment, and generally facilitates the operation of 3 labs with over 200 "rather uptight pre-med students". Never a dull moment for him.

Rachel and Joe still live in Pacific Beach, where he continues to pursue degrees in kung fu san soo. They will celebrate their second anniversary in August. He is “wired to the ‘Net at work” and would welcome all news from any of the old gang.
e-mail: jstagg@jeeves.ucsd.edu.

Brad Cornell ’85 is a teacher at Harvard-Westlake Middle School. After two years as an attorney, he realized that his true love was teaching.

Tom Cyr ’85 has, since 1990, been a specialist in micro-drilling in hydroxyapatite ...

Dentistry! He opened his very own practice in December 1993 in Snohomish, Washington. Tom and Suzy live in Woodinville, WA with their two daughters, Christina (4) and Katie (2) and are trying for one more child - hopefully a boy.

Tom enjoyed seeing Doug Yule, Joe Stagg, Colin Driscoll, Brad Cornell, Christian Mastor, and Don Zenger in April, during his 10th reunion. While attending a Spike Mafford (Mike Spafford Jr.) art opening recently, Tom saw Steve Swope and Mark Frankel. He would still like to hear from Dave McLean.

A neighbor of the Cyrs is a hydrologist and Tom and Suzy are considering placing a claim on an abandoned copper mine in which they have found platinum, so he is still keeping up in geology.

(Home phone - 206-487-2908)

David Bloom ’85 came across a copy of the 1993 Alumni Newsletter and realized that much has happened in two years. "About the only thing that is the same is that I’m still working as a geologist at the environmental consulting firm of Ninyo & Moore in San Diego. For example, I got married to Stella, former name Stella Thompson, Pomona College class of ’90, and through her and her friends I have gotten to know "the next generation" of Pomona College alumni. We live in our own home in the Clairemont (note spelling) section of San Diego. Our back yard opens up to Tecolote Canyon, preserved as a natural park, and is great for hiking and mountain biking. Now that we’ve been living here a while, this house is now beginning to feel like home. I passed the State of California exam for the registration of geologists. On technical reports I now add ‘RG 6192’ to the end of my name. In environmental consulting, the 'RG' is highly desired, and it is considered valuable in the profession. It is also considered a challenging exam for its many esoteric questions. I enjoyed corresponding with Donald McIntyre with regard to the registered geologist exam, and other topics.
"I was glad to get to the Woodford-Eckis Lecture this year, although I didn't recognize any alumni from my years. I'm sorry I missed my 10th reunion (and Stella's 5th), and I'm told some of my geo-mates were there. As the reunion committee says in the retrospective of alumni weekend, my '15th is just around the corner!". Dave has begun to correspond using e-mail. He can be reached at work through his company's internet account: nmoore@cts.com, or his public access BBS account: dbloom@fatcity.com.

David McLean '85 is presently employed as a geological engineer for Shell Offshore, Inc., New Orleans. He is designing and drilling successful horizontal wells in 300' water depth, southeastern Louisiana. Time away from the office and rigs has been well spent doing field work in the canyons of Utah and the mountains of west Texas and New Mexico. Mardi Gras, Jazz Fest, and countless other festivals make living in the Big Easy an absolute pleasure. Home Phone: (504) 899-3715.

By the way, Dave, did you see the message from Tom Cyr above?

Sharon Wechsler '86 is still working at Kerr-McGee Corporation in Oklahoma City. She has been promoted to the position of Senior Hydrologist. Conducting and coordinating environmental site assessments at a variety of industrial sites in Oklahoma, Texas, and New Mexico are some of the projects that keep her busy. Sharon is another of those alumni who look forward to hearing about others in the Newsletter.

Dan Perry '87 is "once again back in Alaska hiking, bicycling, kayaking, minstreling, teaching, and generally cavorting about. A year ago I returned from Seattle where I had studied violin with the brilliant virtuoso Canadian violinist, Steven Staryk. Having earned a performance degree from the University of Washington and gained much musical insight and facility, I decided to return to my homeland to teach privately, play with the symphony and opera, and form a string quartet. I live within easy walking distance of the performing arts center in downtown Anchorage and have a tree-shrouded home with good neighbors. Plenty of time here to head out in my four wheel drive Subaru starship dubbed the 'Tsunami Mobile' and commune with the mountains and wildlife. Sometimes I think life should be more stressful and angst-ridden but for now, what could be better? I do plan on taking some major orchestra auditions this next winter but have difficulty visualizing myself back in a big city. This July I will be in New York City visiting relatives and taking in the dense cultural delights; so, I may sate that ambitious appetite before even Fall arrives up north. If any of you make plans for an arctic adventure please call or write for advice and a place to crash while in town.

"A recent trip to the island of Hawaii and Volcanoes National Park allowed me to reflect on my Pomona education with the geology gang and realize that the future may once again produce for me opportunities to expand. I realized that I still am fascinated by the earth's processes, and that I am driven to understand more about what is happening around and below us in seen and unseen spaces and to try and relate this new-found knowledge to others."
Peter Ora '89 is attending the University of Tennessee. He had been working in Boulder, Colorado for a while.

Melissa (Wilson) Schuetz '89, Steve and their daughters, have moved to a bigger house (same neighborhood, same phone number), as her growing family needs more room. Melissa and Steve both received promotions recently, Steve to Project Assistant I and Melissa to Project Hydrogeologist. "Beneath the crushing pressures of daily life, Melissa continues to juggle the rather incompatible roles of career woman and mom with a groan. In an attempt to curb the extreme jealousy she feels for stay-at-home moms, Melissa reads self-help books and attends child development seminars."

Lora Stevens '89 wishes she could have told us that she had finished her Ph.D., but "alas, I am still wrestling with the intricacies of paleoclimate and stable isotopes. Nevertheless, I am on schedule to finish by June 1996. I have been most fortunate to have received fellowships for the last three years, which has kept outside distractions to a minimum. And since I have moved to the shores of Crystal Lake, I receive great inspiration simply by gazing outside my bedroom window. Wildlife include turtles, wood ducks, geese, cardinals, and the raccoon who periodically taunts the cat from the other side of the screen. If anyone should happen through this neck of the woods, please drop me a line (e-mail is best). There is always room at my home and really big fish in the lakes." e-mail: stev0024@gold.tc.umn.edu.

Steve McKnight '90, in his first submission to the Newsletter, has taken the time to let us know what he has been doing since he left Pomona. "The very day after graduation I started on my post-Pomona career by accepting a summer job as a field assistant for Dr. Pradeep Talwani at the University of South Carolina. I drove across country to spend the summer in the heat and humidity of the South Carolina low country, collecting gravity data and electrical resistivity data around the Charleston area, looking for a hint of the fault that caused the 1886 Charleston earthquake. By the end of the summer I had an appreciation for several types of geophysical field methods, southern culture, and Indian food. Fortunately, I also had landed a job at the USGS in Menlo Park. Following in the footsteps of Lora Stevens '89, I worked for Charlie Bacon and Lew Calk as an electron microprobe and lab technician in IGP. The wonderful climate of the Bay area and the Survey, before the budget axe was looming, was really enjoyable and stimulating. Rubbing shoulders with the top volcano research scientists (fellow Pomona folk Pat Muffler '58 and Bob Tilling '58 among them) made a strong impression, since I left there to go do my own active volcano research with Dr. Stanley Williams at Arizona State University. I had gotten a taste for the beauty of Arizona while doing field work with Don Peterson in the Superstition Mts., and had decided that studying active volcanoes was what really interested me since it had a practical application to society and was not as much number-crunching as seismology and earthquake research. After looking around I realized ASU is one of the few schools in the U.S. with a focus in
Volcanology that involves active volcanoes. The hazards involved in this line of work were made glaringly clear to me by the tragedy of Galeras and the near-death of my advisor at the beginning of my second semester. Stan has made an amazing recovery and we have all taken this experience as both a warning and a challenge. There is more work to do and we have to be more careful while we are doing it. In my own case, my Master's research on the geology and petrology of Cerro Negro volcano in Nicaragua has been enhanced by the samples that I collected from the crater, but I didn't go get those samples until I had made three months worth of personal observation and the volcano had had two years of complete seismic quiescence after the eruption in 1992. I hope my Master's thesis and the papers and hazard map that come out of it will help the Nicaragua scientists understand Cerro Negro and will be used as tools to persuade the city government in Leon to prepare and improve the roads in the area that are likely to be evacuated in the event of an eruption and help the local farmers switch to crops that can thrive in coarse volcanic ash.

"The Master's degree stage of my life is quickly coming to a close and after I graduate in August, 1995, I will be moving on to a project that will pose challenges greater than any I have faced before: teaching earth science to a room full of seventh graders in the heart of New York City. I enjoyed the teaching I did at ASU and want to develop those skills before going on to other things. The school, Friends Seminary, is a private Quaker school in the lower east side of Manhattan and I will be responsible for 7th grade as well as a high school earth science class. One of my brothers has worked there and has good things to say about the kids and the faculty, so I think that this will actually be a lot easier than it sounds. One of the biggest adjustments is going to be living on the east coast, NYC specifically. After leaving the east coast for Pomona, I have only been back for two summers out of the past ten years, one in South Carolina and one in NYC. It will be a challenge to adjust to the fast-paced life in Manhattan and the structured work schedule of secondary school, but as my grandmother said, 'A new set of problems is almost as good as a vacation'. I hope she is right. I'll let you know in the next alumni newsletter."

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FAX: (602) 965-8102

Veronica Diaz '94 and Dennis McKelvey were married in August of 1994, and are living in Pomona.

Brannon Ketcham '94 is doing a Master's project in environmental management at Duke University. While Brannon was visiting in Claremont in early August, Josh Ishimatsu '93, Ann Johnson '94, Amishi Joshi '95, Don Zenger, Pranoti Asher, and Jean MacKay had lunch with him at the Coop.

Ann (Johnson) Laudermilk '94 stops by the office quite often as her job with Geoscience is in Upland. Ann and James were married in July of 1994 and Brannon Ketcham '94, Rusty Gebhardt '95, and Connie and Tom Baranowski were the Pomona geology guests. The Laudermilks are living in Moreno Valley, and Ann commutes to Upland every day.
Donald B. McIntyre is still in demand, giving lectures and workshops, leading field trips, and serving on various committees. These activities have taken him all over Britain, the Continent, and the United States. Donald's own words will tell you how busy and happy he is.

"This is July 4th and my thoughts are naturally with our many Claremont friends, past and present. We are staying close to Urquhart Castle, by Loch Ness, on the Great Glen fault - the structure that encouraged Mason Hill to recognize the San Andreas as another strike-slip fault. This is just one of the many ways in which I am reminded about Pomona!

"Because I can't consult my diaries or the last Newsletter, I don't know whether the last issue reported that I was privileged to receive an Honorary Degree. Our return to Claremont gave Ann and me the opportunity to greet many old friends in both the College and the community. It was a magical occasion!

"I have been re-appointed an Honorary Fellow at both the Universities of St Andrews and Edinburgh and give short courses on subjects such as the Geology of North America and the Structure of the Alps. This year I gave a public lecture celebrating the bicentennial of the publication of Hutton's 'Theory of the Earth'.

"I enjoy leading field trips - especially to the famous Huttonian localities of Siccar Point (unconformity) and Glentilt (granite veins) - and giving lectures locally on geology, astronomy, history, and other topics. Last year I had the privilege of toasting the Immortal Memory of Robert Burns in the Perth City Hall.

"It is hard to escape administrative work! I have served on several Committees of the Royal Society of Edinburgh - the Alembic Club (Convenor), Research Fellowships, and now the Program Committee for the celebration in 1997 of the Bicentennial of Hutton's death and Lyell's birth. I am on the Committee of the Perth Burns Club and have undertaken an important new job as Chairman of the Perth Civic Trust. I don't get as much time as I would like to play the bagpipes, but I am a member of the Piobaireachd Society and enjoy my contacts with the piping world.

"I continue to work on J, Ken Iverson's new computer language, the successor to APL. Last year I gave a lecture to the Computer Science Department in Edinburgh. At the International APL Conference in Antwerp in 1994 I was astonished and honored to receive the Award for Distinguished Contribution to the Development and Use of APL. At this year's Conference (in San Antonio, Texas) I gave a six-hour workshop, as well as a paper on the Composition of Functions. The British Computer Society's journal, VECfOR, has published seven of my papers on J, and distributed a disk with my collected papers.
"As the first Honorary Archivist of the Scottish Mountaineering Club (which is the same age as Pomona College) I am arranging to transfer the Club papers to the National Library of Scotland.

"My historical studies led to the discovery of the enormous sword of a French knight (buried at Kinfauns) who helped King Robert the Bruce capture Perth from an English garrison in 1314. This investigation has introduced us to a wonderful new circle of friends."

"We have been to Switzerland to see old geological colleagues, and to Paris to visit Catalin Mitescu (Physics) and his family and also Virginia Crosby (Romance Languages).

"Ann plays a leading role in the Perth Council for the Disabled and teaches yoga (which she learned at Pomona) at prison. Ewen is happy as a resident at the center where he was formerly a day-attender. We greatly enjoy visits from many good Claremont friends, including recently Jean and George MacKay, Sandy and Judy Grabiner, Nancy Smith, Nancy and Bill Arce, and Ted Gibbens.

"We also enjoy keeping in touch with colleagues and friends by e-mail. how fortunate we are to live such rich lives!"

e-mail: donald.mcintyre@almac.co.uk.

Jill Schneiderman has had a very busy two years, some of which she reports in the following letter: "I left Pomona in July 1993 for a one year leave of absence. During that one year I was a postdoctoral fellow at the Smithsonian's National Museum of Natural History. I worked jointly in the Department of Mineral Sciences and Paleobiology on a provenance study of sediments flowing into the Nile river system. My work was funded by a Smithsonian postdoc fellowship and by an NSF grant. The project utilized my skills as a mineralogist/petrologist in order to move into a field of research new to me...sedimentology. The idea of the project was to use detrital mineral compositions to assess input into the Nile delta from different source areas over the last 14,000 years. The implications of the results are for climate history in Saharan Africa. The results of this study will be published in the October issue of the Journal of Sedimentary Research.

"I loved doing the lab work for this clastic sedimentology project and really enjoyed doing geology that seems especially relevant to human lives on this planet. Because of this I ended up taking a position at Vassar College as Associate Professor of Geology. Vassar offered me the opportunity to move into this new field of research by putting together a clastic sedimentology laboratory and to be involved in a developing and well-endowed environmental studies program. It was a very difficult decision for me to leave
Pomona; I loved my colleagues and students in the department and at the college as a whole. At Pomona long enough to earn tenure, I feel a part of the history of the department, have a deep allegiance to it, and an investment in its success. I will continue to be in touch with my friends, colleagues and former students and hope you will still consider me an honorary sagehen.

"Since I was in Washington and was liking it so much, I took my first year on the faculty at Vassar as a leave of absence so that I could be the Geological Society of America’s Congressional Science Fellow. This has been a very interesting experience and has really brought me up to speed on current environmental policy issues. As a result of my work here, it is clear to me that we as geologists have so much knowledge to offer those who make the decisions about how we live on this planet. Those with bachelors and masters degrees in geology can think about careers as policy makers working for groups such as Environmental Defense Fund, World Wildlife Fund, and Natural Resources Defense Council. I come to this through my work as science fellow to Senator Tom Daschle (D-SD). During the year I've written speeches for the Senator, accompanied him to South Dakota to see to flooding problems along the Missouri River, and helped write legislation that hasn't gone too far too fast. Though Senator Daschle is the Senate Minority Leader, being in the minority makes it very difficult to set the agenda. We pretty much work on what the Republicans send to the floor. All in all it's been a great experience and I can't wait to get back to academia!

"My colleagues I know will stay in touch. Please, former students, still consider me a resource for advice, letters of recommendation, and friendship! You can reach me at Vassar College, Department of Geology and Geography, Poughkeepsie, NY 12601. Phone No. (914) 437-5540. I will be on email but don't have an address yet."

PLEASE REMEMBER BOB TILLING'S SUGGESTION - send FAX numbers and e-mail addresses to the department