The Pomona College Geology Department is doing very well. Indeed the pressure of 'doing things' has prevented our getting out our Newsletter for some time, but we hope this year's edition will mark its revitalization. Thanks go to all those who responded to our request for news. Some of those who didn't (too busy, right?) will find we took the liberty of including what news we could (we have ways of finding out you know!). As for the remainder, we hope to hear from you in one way or another before the next printing.

As many of you can attest, the Woodford-Eckis Lectureship has become a great success, increasing in attendance (doubled since 1982) with each year. We would like to thank Mr. and Mrs. Rollin Eckis, whose generosity has made the Lectureship possible.

This year department friends and alumni came from as far away as Virginia (Doug Morton), Texas (John Forman), and San Francisco (USGS bunch) to pay tribute on Woody's 94th birthday. Dr. Warren O. Addicott '51 was the guest lecturer. His afternoon topic was the Circum-Pacific Map Project, which he directs for the U. S. Geological Survey. Following dinner at the Alumni House he spoke on the history of paleontological research in California. The subject was particularly appropriate both because of Dr. Woodford's long interest in it and because of Dr. Addicott's own distinguished work and his recent election and service as President of the Paleontological Society.

Dr. Mason L. Hill '26, distinguished alumnus of Pomona and retired Chief Geologist of Richfield Oil and Manager of Exploration for ARCO, gave the Third Annual Woodford-Eckis Lecture. His topic was "A Skeptic Looks at Earthquake Prediction in Southern California". The Lecture was given close to the date of Dr. Woodford's 93rd birthday, and those present were proud to honor him on that occasion.

The Second Annual Lecture was given by Dr. Roger Revelle, distinguished alumnus of Pomona, and Past-President of the American Association for the Advancement of Science. Dr. Revelle is well known not only for his work in Geophysics and Oceanography, but for his
study of problems connected with global population. It was therefore particularly appropriate that his lecture was made part of the Conference on Sustainability of Agriculture. In addition to giving this major public address, Dr. Revelle spoke in the Seaver Laboratory on the problem of the increase in carbon dioxide in the Earth's atmosphere and the effect of this on world climate. He also addressed a dinner meeting of the Geology Department on his view of the Future of Geology.

Don Zenger has continually organized (except this spring when on sabbatical leave) a successful lecture series, which draws visitors as well as our own students and faculty. The speakers were:

**1981-1982**

Dr. Ivan Colburn '51, California State University, Los Angeles: "Southern California Cretaceous Paleogeography".


Dr. Peter Busek, Arizona State University: "Minerals Magnified Millions of Times: High-resolution Electron Microscopy".

Dr. Dallas Rhodes, Whittier College: "Inverted and Exhumed Landforms on Mars".

Dr. J.D. Cooper, California State University, Fullerton: "Late Cambrian Depositional Environments and Paleogeography, S.W. Great Basin".

Dr. C.A. Nelson, University of California, Los Angeles: "Tale of Five Plutons".

Dr. Perry Ehlig, California State University, Los Angeles: "Evolution of the California Continental Borderland near San Onofre".

**1982-1983**

Dr. Peter M. Sadler, University of California, Riverside: "Nature and Timing of Orogenesis in the San Bernardino Mountains".

Dr. David J. Bottjer, University of Southern California: "Tiering in Suspension-feeding Communities on Soft Substrata"
throughout the Phanerzoic".

Mr. Grant Meyer, Webb School of California: "Biostratigraphy of the Pakistan Siwaliks: Differentiation of Apes and Man".

Dr. Allen Stork, Pomona College: "Volcanism and the Development of Backarc Basins in Fiji, Southwest Pacific".

Dr. John B. Dunham, Union Oil Research Company: "Stromatolites and Associated Carbonate Sediments, Shark Bay, Western Australia".

Dr. D.D. Trent, Citrus College: "Schlieren in Granitic Rocks of the Sierra Nevada".

Dr. Michael O. Woodburne, University of California, Riverside: "Fossil Marsupials in Antarctica and Continental Drift".

1983-1984

Dr. Lewis H. Cohen, University of California, Riverside: "Geologic Aspects of Radioactive Waste Disposal".

Dr. Roswitha B. Grannell, California State University, Long Beach: "Repeated Gravity Measurements at the Cerro Prieto Geothermal Field, Baja California".

Dr. Alex K. Baird, Pomona College: "Infrared Analysis of Rocks".

Dr. Eugene Fritsche, California State University, Northridge: "Miocene Paleogeography of the Central Transverse Ranges".

Ms. LiLi Mezger '82, California Institute of Technology: "Field Studies of a Surging Glacier, St. Elias Range, Alaska".

Some other visitors to the the department included Dr. Wolfgang Jacoby, University of Frankfurt, Germany, "Rifting in Iceland"; Dr. John Dennis, Cal State University at Long Beach; Dr. Art Sylvester, University of California, Santa Barbara; Dr. Steve Norwick, Cal State University, Sonoma; and Dr. C.A. Beevers, Professor of Crystallography, University of Edinburgh.

Donald McIntyre's growing involvement with computing (especially APL) has brought a number of distinguished computer scientists to the campus over the past few years. These include Professor Keith Smillie of the University of Alberta (author of the original STATPAK programs for statistical analysis); Dr. Jim Brown (creator of IBM's APL2), Dr.
Arnold Allen, Dr. William Bergquist, and Rick Wiener (IBM's Manager of Area Communications for the western U.S.), all of IBM; Dr. K.E. Iverson (originator of the APL language and recipient of ACM's Turing Award) and Eugene McDonnell (responsible for the complex numbers and circular functions in APL), both of I. P. Sharp Associates; Mr. Roy Sykes, Vice-President of STSC, Inc (who was the Banquet Speaker at APL 81); and Professor Robert Spence, of Imperial College of Science and Technology in London.

During January of 1983 the Geology departmental library was moved to its new quarters in the Mudd Library, located across the street. Although we greatly miss the easy access to which we were accustomed, the collection is more adequately housed and serviced. This is particularly important for the remarkable collection of rare books, many of which have individual values in the thousands of dollars. These books are now carefully protected in a room specially airconditioned and secured, which is named in honor of Woody. Many of these valuable books have been donated through the continued and remarkable generosity of H. Stanton Hill '33. As an assiduous and very knowledgeable collector, Mr. Hill has helped build a collection that is a wonderful asset and source of pride to all students of geology. The Zamorano Club of Los Angeles visited the collection in late June.

The rooms formerly occupied by the Geology Library were recently subdivided into small offices, a senior project room, a reading room, and a drafting room. Construction is now complete and the rooms eagerly await students this fall.

Among the new items of equipment recently purchased by the department were a portable infrared radiometer, in support of the research begun by Dr. Baird at the Jet Propulsion Laboratory, and an IBM XT computer (on which this newsletter was composed) to replace the IBM 5100, now obsolete, that served the department for many years. Don Zenger has been active in maintaining and using the scanning electron microscope (SEM), which has now been taken over by the Geology Department.

Faculty and Staff

Woody, as expected, continues to be an important member of the geology department. Students and faculty alike look forward to his weekly Tuesday visits for lunch in Frary Dining Hall. These meetings are greatly enriched by Woody's conversations on topics as diverse as his extraordinary past. Perhaps most entertaining are Woody's stories pertaining to former students and their not so spotless study habits.
We are grateful to Woody for his continued inspiration and leadership.

Donald McIntyre has stepped down as Chairman of the Geology Department after providing thirty years of invaluable leadership and guidance. We all are thankful for the achievements he has so unselfishly dedicated not only to the geology department, but to the whole of Pomona College. Among undergraduate institutions, Donald has maintained Pomona College's Geology Department as one of the finest in the country. Additionally we are indebted to his timeless efforts which were largely responsible for creating such outstanding computer facilities here at Pomona College.

In 1983 Donald was the invited speaker at the celebration of the University of Edinburgh's Quatercentenary, when he was delighted to find President and Mrs E. Wilson Lyon and Pomona Trustee Robert Sutro and Mrs Sutro in the audience.

Donald has recently been appointed one of two Distinguished Fellows at Edinburgh University in connection with the Project on the Scottish Enlightenment organized for 1986 by the Institute for Advanced Studies in the Humanities. The other Distinguished Fellow is Henry Guerlac, Emeritus Professor in the History of Science at Cornell University. This distinction comes as no surprise considering that Donald's annual summer visits to Edinburgh University Library and the National Library of Scotland invariably uncover timeless 'lost' drawings and manuscripts concerning the Scottish Enlightenment and history of geology.

Donald regularly visits Scotland particularly to study papers belonging to Sir John Clerk of Penicuik. Two earlier John Clerks accompanied James Hutton on his famous geologic field trips, and used their artistic talents to make drawings for Hutton's "Theory of the Earth". Donald's discovery of some of their notebooks and drawings has been called 'miraculous' by a former President of the Geological Society of London.

Last summer he met with Dr. Doris L. Reynolds, the distinguished geologist and widow of Professor Arthur Holmes, in connection with the history of theories of Continental Drift. He also revisited the University of Neuchatel in Switzerland. Amongst the geological memorabilia that he brought back were photographs of Emile Argand, the great Alpine tectonician, and the geologic hammers of J.J. Sederholm, the pioneer of Precambrian geology. These had been left to Donald by the late Professor Wegmann, who had worked closely with both these eminent geologists. The type specimen of migmatite (a term coined by Sederholm) is now at Pomona College.
Apart from foreign endeavors, Donald has continued his interest in the groundwater problems of the City of Claremont. He has succeeded in running the Claremont Groundwater Model on an IBM PC, thus demonstrating that a city, such as Claremont, that lacks a computer of its own, could use the model at modest cost. He is continuing to work with Robert Bean and Thomas Buckley, groundwater geologists, in improving this model, and in particular introducing a simulation of the two-aquifer system that probably obtains here.

On the academic side of things, Donald is teaching large beginning classes in geology and in computing, as well as smaller courses in Crystallography and in Geophysics. He also teaches workshops in computing for faculty, administrators, and industry. He has been guest speaker at numerous national and international meetings on geology and computers, and consulted by numerous groups both on and off campus. He was reappointed for a further three years service on the GEOREF Advisory Committee of the AGI, having previously served for six years. Donald has also continued to work with Dr. Allen Glazner '76, University of North Carolina, on matrix methods in Crystallography.

Don Zenger has assumed the duties of department chairman. He becomes only the third chairman in the history of the geology department. Don continues to teach a large Introductory Geology class and smaller classes in Paleontology, Sedimentary Petrology, and Earth History. He has now completed ten summers teaching field geology at the University of Missouri Geology Field Camp near Lander, Wyoming. He was on sabbatical leave for the spring semester 1984 at Union Oil Research in Brea, California working with the carbonate group continuing his research on the origin of dolomites. He has published numerous papers on dolomites and dolomitization, specifically on the Lost Burro Formation (dolomite), Nopah Range, California; the Little Falls Dolomite, east-central New York; and most recently, the Bighorn Dolomite, southeastern Wind River Range, Wyoming. His photomicrograph of twinned dolomite crystals appeared on the cover of the January, 1982, AAPG Bulletin. More recently Don co-edited a book, "Dolomites in the Monterey Formation and Other Organic-Rich Units" (SEPM Pacific Section, Volume 41). He assumed duties as Associate Editor, Journal of Sedimentary Petrology (August 1982 through December 1985), and was elected Vice-President, Society of Economic Paleontologists and Mineralogists, 1984-1985.

Alex Baird returned from three semesters leave this past spring. He spent the fall of 1982 in residence conducting research on basaltic rocks from Hawaii. A preliminary manuscript entitled "Basaltic Stalactites, Kilauea, Hawaii" was prepared, but further research is necessary to complete this work. Alex spent Spring and Fall 1983 on
leave as senior Resident Research Associate, National Research Council (don't let the title intimidate too much), at the Jet Propulsion Laboratory, Pasadena, California. Principal research concerned the application of near-infrared to the chemical analysis of granitic rocks of the southern California batholith. Work was performed on laboratory instruments utilizing extensive collections from earlier National Science Foundation-supported research on the batholith, on aircraft sensor data flown especially for the research by NASA, and on Space Shuttle Columbia data taken over the Eastern Desert of Egypt and Baja California, Mexico. The following publications resulted:


Alex returned to teach his regular class load, Geochemistry and Structural and Field Geology, for the spring semester of 1984. Replacing Alex for those three semesters was more difficult than anticipated (no offense intended Alex). Fortunately we were able to enlist the help of Mr. Tom Hoisch '79, now working for his Ph.D at the University of Southern California. We are very grateful to him for his thorough handling of Igneous and Metamorphic Petrology.

During the spring of 1983, Mason Hill '26 taught Structural Geology. He was assisted in the field work by Allen Stork '76, (received Ph.D from the University of California at Santa Cruz this spring), who also taught the class in Geochemistry. We were fortunate in having Allen stay with us to teach Alex Baird's "Igneous and Metamorphic Petrology" in the fall, as well as to teach Don Zenger's "Historical Geology" and to guide students working on projects involving Igneous Petrology this past spring. Allen has been an integral part of the department during the past three semesters and we would like to express appreciation for the contributions he has made to our program. He has been appointed to the Faculty of the Geology Department at the University of Massachusetts in Amherst. Best of luck Allen; we hate to see you go!

Jean Mackay has completed 11 years service as Department Secretary. In addition to performing the normal duties of this position, she has been a kind counsellor to students, faculty, alumni, and friends alike. We are fortunate in having her support in building and maintaining a warm spirit of cooperation and goodwill in the
department. More than anyone else, she is the stitch that holds us all together!

Brian Ebersole, our department librarian, was of course relocated in the new Science Library with the rest of the departmental library. He still continues to maintain the Geology Department 'library' as one of the finest in the area. Brian recently purchased his first home. Nice guys that they are, friends Alex Baird and Doug Yule agreed to help Brian move (for a small fee - payable in six packs - of course!). After the day was over, both Alex and Doug learned a new meaning of the word 'packrat'. It is their opinion that Brian keeps one of the most disgusting, albeit organized (goes with the trade), collection of pure junk this side of the Pecos!

Garry Hayes '80, Cris Robinson '82, and Doug Yule '83 have held the job as Department Technician over the past three years. This job has allowed a graduating student a chance to work for a period of time before entering graduate school. Garry entered the University of Nevada at Reno in the fall of 1982 where he is close to receiving his Master of Science degree. Cris entered Vanderbilt University in the fall of 1983, and Doug is planning to attend graduate school in the fall of 1985.

Alumni News

Andy Anderson '24 and his wife continue to enjoy living in Mt. San Antonio Gardens. Their most memorable events have been attending "Woody's 90th and 94th birthday celebrations and the Woodford-Eckis lectures".

Mase Hill '26 has continued to do a little consulting; taught Alex Baird's Structure class (fall 1983), with Allen Stork's good help in the field; finalized a short paper, "Anomolus trends of the San Andreas fault", for S. Coast Geol. Soc. Transverse Ranges volume; and has submitted one to Geology (accepted June 18, 1984) suggesting flexural-slip as the cause of some of the Coalinga earthquakes ("upsetting to some who require faults", says Mase). He and wife Marie have taken several trips in the last few years: China; Galapagos with GSA group; Australia and Indonesia with People to People Oil group; and Origins of Geology field trip in Britain. He also tries to keep up on some geology and some geologists by attending lots of local meetings. Additionally, Mase makes it out to Pomona regularly for Tuesday lunches and an occasional birthday cake (a true bargain hunter can't turn down a free lunch!).
Jack Cowan '27 retired in 1978. He and his wife have since sold their home in Washington state and moved to Nogales, Arizona, 10 miles north of the Mexico border, where they are "enjoying the two cultures and pleasant weather".

Rollin Eckis '27 is currently working on problems posed by the Elsinore fault near its southern extent. He attributes the apparent disappearance of the fault in one area to a large landslide. We at the department look forward to Rollin's occasional visits and are greatly appreciative of his efforts that have made the annual Woodford-Eckis Lectureships so successful.

Frank Rentchler '27 donated part of his fluorescent mineral collection to the department last fall. We enjoy seeing Frank whenever he makes it to the Tuesday lectures.

Dana Russell '27 has really been retired from geology since moving back to California in 1977. But he and his wife continue to travel, and for each of the last three years have particularly enjoyed brief cruises on the small ships of Exploration Cruise Lines: Alaska's Inside Passage in July of 1982, the Columbia and Snake Rivers in June, 1983 (following their 50th wedding anniversary), and circumnavigating Baja California in March, 1984. The highlight of the last trip was petting a gray whale mother and calf, which inspired the following:

San Ignacio Lagoon, off the big Bay of Whales,
Is where gray whales are born, and first flip their tails.
In March, mothers teach their new babies to swim,
For the trip to the Arctic -- they must get in trim.
If you're lucky, and be there when babies are learning,
You'll find that they're curious, and have a yearning
To see what you're like; and they like to be petted
(Or perhaps it is just that they want to be 'vetted'
Of the 'whale lice' and barnacles eating their skin,
An annoyance they can't reach with fluke or with fin).
They'll come up to your boat and put up their head
So you can take pictures, or pat them, instead.
Both mothers and babies, whatever the reason,
Are real friendly to Man -- but just at this season!

Dana Russell, 3/13/84

Roger Revelle '29 is the 1984 co-winner of the $150,000 Tyler Prize (shared with Edward O. Wilson of Harvard Univ.) given for achievements in the fields of ecology and energy conservation. A symposium on
population, education, pollution, etc. problems of the world was held for 150 plus friends celebrating Roger's 75th birthday. Two days of talks by world authorities on these subjects were given by Roger's associates (e.g. Glen Seaborg, J. Tuzo Wilson, and our own Rollin Eckis).

John 'Stan' Hagestad '31 and his wife just returned from a "very interesting" 65 day freighter trip through the countries of Asia. He feels great after having been retired from the oil well drilling business for 10 years now. He spends most of his time checking on his oil wells and playing golf.

Thomas Berry '32 retired in 1975 from his job of 42 years with Armstrong Cork Co. of Lancaster, PA. Since then he and his wife, Eunice '34, have done a fair amount of traveling abroad and visiting their three sons and grandchildren in Anchorage, Seattle, and southern California. Aside from spending "entirely too much time" maintaining residential properties in Whittier and Laguna Beach Tom manages to hack around the golf course a couple of times a week.

Stanton Hill '33 continues to donate very valuable and significant historic geology volumes to the Woodford Geology Library: for example there must be few other libraries where one can see both editions of J.B. Beringer's book on Figured Stones; for the author, realizing that he had been the victim of a hoax, attempted to buy and destroy all copies of the 1726 edition. We look forward to Stanton's visits for Tuesday lectures and lunches.

Dean Pollard '33 and Louise Tester, widow of Floyd Tester '34, were married on September 8, 1983. They are dividing their time between his home in St. Helena, California and her home in Yuma, Arizona.

Dick Merriam '34 retired from USC in 1979 and has kept moderately busy since then with consulting work, mostly in engineering. Now and then, however, he still spends a week or so doing field work in Sonora and Baja California.

George Bellemin '35 reports to be busier after retirement (1977) than when he was working. He and Julia travel a great deal both in the U.S. and abroad. He demoted geology to a hobby level so that it shares equal time with all his other interests, those being gardening, woodworking, and travel.

Richard Ten Eyck '35 dropped by the department in mid-May, and spent much of the time visiting with Woody.

Rosalie Davis Matlovsky '36 and her husband Lloyd continue to teach
and enjoy ballroom dancing. They planned to take their family, ten of them, to Hawaii in July for ten days. She and Lloyd visited Pomona College this year in June.

Jane Everest Gregory '38 and her husband Joseph report that retirement years have been busy. Joseph's group is ready to go to print on the latest volume of the Bibliography of Fossil Vertebrates. Jane has begun the task of breaking up their big doll collection (2200 items in Jan. 1984). A set of 122 dolls were given to the Lowie Museum of Anthropology, Univ. of California at Berkeley - these were African, and many children's playdolls.

Willard Stearns '38 died in March, 1984 of heart complications. His brother Chet Stearns informed us of Willard's death and included an extremely interesting term paper that he wrote concerning the 1938 flood.

Wally Wilson '40 is still self-employed as an energy resources consultant, with one principal retainer from a large New York bank, and enough other clients to keep him adequately busy. Assignments have been assorted and very interesting, including oil and gas financing problems, coal pricing for an electric utility's coal mining subsidiary, assisting with taxation suit, and indoctrination and training of energy bankers. He and Anne do some traveling, and expected to spend most of July in England and Ireland.

Frank Olmsted '42 is still working for the U.S.G.S. in Menlo Park in their geothermal research program and is trying to finish several papers on geothermal systems in northern and central Nevada. He and his wife, Jean, went on an interesting trip to Morocco in March. Frank also made it to Claremont this past February for Woody's 94th birthday and the Fourth Annual Woodford-Eckis Lectureship.

Jack Schoellhamer '42 and his family report to be happy, healthy, and busy as can be. Rose and Will Burnham '51 visited from Boise, Idaho at the end of March. Youngest son David received his Master's in Civil Engineering ("hydraulics and computers - see Donald, all Schoellhamers aren't hopeless!") and was hired by the U.S.G.S. Water Resources Division and is now working at their research lab at St. Louis, Missouri.

George Clark '46 has been working for the last several years at Honnold Library on the automation project and as administrator for the library's services to public, academic and private libraries in southern California. Last year George got intermittent leave from his job to spend time as a consultant to Colorado State University on a project coordinating the use of CSU's Cyber 205 'supercomputer' by
several oil companies located in the Dallas-Houston Area. Areas of interest were reservoir engineering and seismic data processing. He reports that his celestial navigation methods successfully brought his friend John Terpenning's boat to Cabo San Lucas on a second yearly expedition, this time conducted under stormy conditions which resulted in the run under sail from Redondo Beach to Cabo being concluded in five days and 11 hours. Too fast for comfort. In a more sedate manner George and Ivan Colburn are investigating the possibility that mariners in the local Channel Islands area may be able to find sufficient life sustaining nutritional material by putting Ivan over the side with his scuba gear near a rocky shore every day at five o'clock. The results so far are inconclusive. Other minor activities include grooming dogs, making bread, and serving as financial consultant on his son Marcus's project to rebuild a 1972 Dodge Power Wagon which was used in two Baja 500 races.

Jack Vedder '48, after successfully completing the first phase of a study on the offshore resource potential of the Solomon Islands that began two years ago, is about to re-embark as Chief Scientist on the U.S.G.S. Research Vessel S. P. Lee for additional work in the Solomon's as well as Papua New Guinea. Upon completion of the work, he hopes to supplement his shell collection by recreational scuba diving and dredging around Guadalcanal and New Georgia. Compilation continues on long-term mapping of Cretaceous and Paleogene rocks in the southern Coast Ranges west of the San Andreas fault (a seemingly interminable job, more than 207 1/2' quads).

Frank Goodban '49 and his wife Aurice have enjoyed golfing, traveling and just doing what they want to do since Frank retired on July 1, 1983. Their only complaint is not having enough time in a day to do these things.

Homer Simmons '49 is now living in the woods on the Lower Pennsylvanian Sewanee conglomerate atop the Cumberland Plateau five miles from the one-man Geology Department at University of the South. There he has been enjoying the four seasons after years of long tropical Gulf Coast summers.

Evelyn Stark '50 stays busy with her investments and job as summer manager of Garden of the Gods Club tennis shop in Colorado Springs, Colorado. Of her two children, one is gainfully employed after graduating from Colorado Univ. in Boulder in 1982; the other is giving it a go after spending two years at the Univ. of Wyoming.

Jim Whitney '50 "actively" retired in May, 1982 from designing infrared guided missile optics at General Dynamics Corporation in Pomona, and promptly embarked in his camper on a trip to Inuvik in
Canada's Northwest Territories to photograph the Midnight Sun above the Arctic Circle. Jim has since moved to Lake Tahoe (Nevada side) and is currently building a mine-car railroad from the front driveway to the upper porch to haul winter firewood to his wood heating stove. Jim enjoys cross-country skiing in the winter, but tries to get away for a few weeks to the sunnier and warmer climes of Lake Mead, southern California, and the deserts of California and Arizona. These are exploratory trips to old ghost towns and abandoned mines, where he looks for rocks and mineral samples to add to his collection.

Ivan Colburn '51 along with colleagues Martin Link (Cities Service Research, Tulsa, Oklahoma) and Richard Squires (California State University, Northridge) has a publication in the July, 1984 issue of AAPG Bulletin: "Slope and deep-sea fan facies and Paleogeography of Upper Cretaceous Chatsworth Formation, Simi Hills, California".

John Barnes '52 is a lead analyst for the California State Department of Social Services, specializing in Quality Control for the Supplemental Security Income Program. Although far from what Woody trained him to do, John finds the occupation peculiarly satisfying nevertheless.

Clarence Chittenden occasionally pays visits to the Geology Department. We certainly enjoy seeing him and hearing his latest news.

Cortez Hoskins '53 is currently Manager of Geological Research for the Science and Technology Division of Union Oil Company. He was instrumental in arranging Don Zenger's sabbatical stay at Union this past spring semester.

Warren Pedersen '53, after about 25 years of full time employment, has ventured into private consulting specializing in engineering geologic evaluations of dams and reservoirs. At first most of his work was with the U.S. Bureau of Reclamation studying a number of dams in Montana and Oregon. Now he is participating with Lindrall, Richter and Associates in the analysis of Mulholland Dam in Los Angeles.

Dick Duenckel '54 will be completing 28 years with Lockheed Corporation. Status of children: Laura is married and will be completing her requirements for her MBA at USC; Darcy is married and working for an advertising agency in Hollywood; Kelly graduated from North Hollywood High in June, 1984 where Marla completed the 10th grade this spring.

Neville Carter '56 has stepped aside as Head of Geophysics at Texas A&M this year and escaped what he calls "bean-counting" in order to
pursue new research programs. He gave a keynote address on "Creep of Rocksalt" at the Swiss Geological Society Meeting in October and was awarded a Faculty Distinguished Research Award including $5,000, a watch, and a plaque ("they do everything big in Texas, even for small-time professors!"). He claims luck (shock) in receiving the award, but admits to be "truly excited" about science once again. Neville is reportedly getting used to Texas but still returns to southern California as frequently as the need arises.

Stanley Madsen '57 has been working for the Earth Technology Corporation (formerly Fugro and Ertec) for 13 1/2 years and is now Executive Vice-President. ETC is a geotechnical consulting firm with nearly 190 people in their Long Beach office (corporate headquarters). Their two major programs are high level nuclear waste studies and siting studies for advanced ICBM programs. Smaller projects include hazardous waste studies, geotechnical projects in the Arctic, and seismic investigations for buildings and earth structures. Stan's youngest daughter Karen is a nationally ranked synchronized swimmer. The two of them will be volunteers at the Olympics in this event.

Grant Meyer '57 was recently an invited participant at the American Museum's symposium "Ancestors: Four Million Years of Humanity". Among the forty skulls displayed is his Aegyptopithecus zeuxis which is on loan from the National Museum of Egypt. His work on "The Geology and Paleontology of the Bugti Beds, Baluchistan" has been published as a Bulletin of the Geological Survey of Pakistan and a joint paper on "The Stratigraphy and Vertebrate Paleontology of the Sind, Pakistan" has been accepted for publication by the Journal of Vertebrate Paleontology. Grant enjoyed spending last summer on the Galapagos Islands and in the Ecuadorian Amazon and looks forward to spending this summer in Kenya and Canada as well as taking a short fossil collecting trip to Wyoming.

Pete Newman '57 is still working for ARCO and presently in the process of moving from Denver to Dallas, where he will be doing staff work related to ARCO's Alaska Operations. Moves in the last few years have been Los Angeles-Dallas-Denver-Dallas. He most enjoyed Denver where his commute from his home at 7800' in the high pines west of town was only 30 minutes ("let's see California equal that!"). Both sons graduated this year - Dave from Pomona (not in geology), and Mike from high school. Mike is headed for Annapolis and Dave for UCLA. Pete and wife Mary recently celebrated their 25th anniversary; says Pete "I'm fortunate that she likes all the moving around". She is close to having her master's in Museum Management and will soon be putting it to practical use. Last summer the family went to central Java to view a total solar eclipse complete with sunspots, solar flares, Bailey's Beads, and corona streamers ("conditions were perfect" for viewing and
photographing).

Bob Tilling '58 has "rotated" out of his administrative position as Chief of the USGS' Office of Geochemistry and Geophysics and back into research projects. These projects consisted of: four months in Java as Advisory Volcanologist to the Volcanological Survey of Indonesia during 1982-1983; cooperative research with various people at U.S. and Mexican institutions on the 1982 eruption of El Chichon Volcano, Chiapas, Mexico; and organization of two international workshops on volcanologic themes (UNESCO, November 1983, San Jose, Costa Rica; Circum-Pacific Council for Energy and Mineral Resources, June 1984, Hilo, Hawaii). Apart from all this, Bob hopes to continue the work he began ten years ago at the Hawaiian Volcano Observatory on the Mauna Ulu eruptions of Kilauea Volcano, Hawaii. Says Bob, "It's good to get out of administration!". His family is well: wife Susan is still in the real estate game; daughter Bobbi will enter Stanford, and daughter Karen will be a junior in high school.

Gerhard Oertel has been working on quantitative strain determinations in rocks from several continents, teaching a few courses, and hoping to go on doing the same until the University forces retirement at the "unconscionably young age of 70". Last February he journeyed to Australia and observed metamorphic rocks, some containing sillimanite, "in which graded and cross bedding looked as fresh as if they had been formed yesterday instead of 1800 m. y. ago".

Art Sylvester '59, as busy chairman of the Geology Department at UC Santa Barbara, has managed to maintain a research effort in the geodetic monitoring of active and potentially active faults in southern California; including crustal deformation possibly related to volcanic activity in the Mammoth Lakes area. For example, Art has found evidence, through the excavation of trenches, for recent movement along the Santa Ynez fault in Santa Barbara County. Most recently, he has been involved in a cooperative program of research with Gerhard Oertel concerning fractures in the Monterey Formation. Recent trips have taken him to China for an international symposium on earthquake prediction and continental seismicity, to Italy for a national congress on geological hazards, and all over the U.S. as one of AAPG's Distinguished Speakers in 1982-83. Although Art describes it modestly, he can be proud of doing something in 1982 that perhaps no other Pomona College geology alum has done: run from Hopkinton to Boston in the Boston Marathon.

Ed Welday (MA '60) continues to enjoy life in Paradise Park (aptly named) about 30 miles southwest of Hilo, Hawaii. He has had good views from his porch of the sequences of eruptions from Kilauea's East Rift zone. He and Bunny now have a travel trailer here on the
mainland and plan an extensive trip this Fall along the west coast, Arizona and Mexico.

Norman Hyne '61 authored and published a book GEOLOGY FOR PETROLEUM EXPLORATION, DRILLING AND PRODUCTION through McGraw-Hill and edited another book LIMESTONES OF THE MID-CONTINENT by the Tulsa Geological Society (Special Publication No. 2). For the past few years he has been traveling throughout the U.S., occasionally Canada, and Europe to present short courses on petroleum exploration which over ten thousand people have taken.

Rosi Grannell '62 gave an interesting talk here at Pomona College (10/11/83) on her gravimetry studies at the Cerro Prieto geothermal field in Baja California. Apart from her gravity work, she continues to teach a heavy course load at Cal State Long Beach.

Jim Hudnall '62 is still working with whales. He was the sole underwater cinematographer for the Emmy-Award-winning National Geographic Television Special, "The Great Whales", which first showed in early 1978. This led to further filming for such productions as "Dolphin" and "Whale for the Killing" as well as a job for Playboy Magazine (see the October, 1978 issue). A long term project for Jim has been to establish a National Whale Sanctuary for humpback whales in Hawaiian waters under the U.S. Sanctuaries Program. Despite spending a great deal of time applying pressure to the Federal Government, the final decision still hangs in the balance. Jim has completed another research project on gray whales wherein he discovered that grays suction feed, sometimes sucking large holes in the sea floor and vacuuming in mysids. Jim has moved from Hawaii to Santa Cruz where he lives with his wife of three years, Ann Nofziger Spurgeon.

Douglas Sprague '62 is busy melding geology, public policy, and politics in Sacramento, as Executive Officer to the State Mining and Geology Board. The Board administers laws which address the effects of geology on our society. These laws deal with surface mining and reclamation, zoning of active faults, and landslide hazards. A result of Doug's work shows that the cost - to the year 2000 - of Mother Nature's capriciousness and man's ignorance thereof will be nearly twice (barring a 1906 quake) the $10 billion estimated in the early 1970's. Says Doug, "Recent geologic activity, a resurgence of mining and change in administration -- exit 'Mr. Moon Beam' enter 'The Iron Duke' -- serve as a continuing challenge to finding the public good among special interests."

Jim Williams '64 became Physical Science and Engineering Department chairman this year at Citrus College where he teaches chemistry and
oceanography (his only link with the Earth Sciences). Jim enjoys being chairman, but admits the paperwork is boring. On the homefront he now has a relatively new son (one year old 6/25/84) to go with his 19 and 16 year old sons.

Steve Norwick '65 continues to teach geomorphology and environmental geology at Sonoma State University. He has developed the first mathematical theory which explains the convexity of hilltops and the concavity of soil covered valleys. In the spring of 1982 he worked under contract for the USGS and developed "The Quartz Crystallinity Index of grinding in fault gouge", using examples from the San Andreas system. He has finally learned APL and loves it. Attention skifflersl, Steve is looking for a wash board player to supplement his Skiffle Band which "skiffles often if not well!".

David Pollard '65 resigned his job of nine years at the USGS, Branch of Tectonophysics, Menlo Park and began work in August 1983 at Stanford University as an Associate Professor in the Department of Applied Earth Sciences. He is developing a program in Geomechanics with a focus on rock fracture. He and four graduate students are currently studying problems that include the growth of faults in granitic rock, propagation of joints as mixed-mode fractures, and the stability of igneous dikes. Applications of some of this work are directed at earthquake and eruption forecasting. $350,000 has been raised for a new Rock Fracture Facility at Stanford that will support field, laboratory, and theoretical investigations. Dave encourages any prospective graduate students interested in this sort of experience to contact him at Stanford.

Bill Wadsworth continues his research on the plutonic roots of the porphyry copper deposit at Ajo, Arizona. He has accumulated much data, but lacks "crucial data" on mineral compositions and trace elements. Bill would be pleased to hear from anyone with the interest and facilities to pursue these topics. Additionally he is eager to discuss this topic with any graduate student looking for a thesis. This summer he and Alex have been busy using the Geology Department's X-ray Diffraction and X-ray Fluorescence facilities in conjunction with research on Southern California Batholith rocks.

Carmen Fimiani '66 visited the department in early February. He is an executive for a mining company in New York (on the business side of things) and was on the west coast visiting the company's operations in Nevada.

Bob Michael '66 has enjoyed self-employment for the past three years. Until recently he made recommendations and analyses on parcels offered in the Bureau of Land Management's oil and gas lease 'lottery'.

Unfortunately for Bob, the lottery has been suspended for some months and he has been making do by acquiring and/or speculating in oil and gas leases and properties for various clients: a job that took him to Anchorage, Alaska at the end of April. Bob moved back to California, (in "overpriced but pleasant Santa Barbara"), from Colorado after being "thoroughly burnt out on winter". He'd also climbed all 54 'fourteeners' in Colorado, and now needs a fresh supply of peaks to start on. Consequently, he has been enjoying going out with the Desert Peaks and Hundred Peaks Sections of the Sierra Club. Bob has also found time to pass the exam and become a California Registered Professional Geologist (#3849).

Doug Morton completes his term as Chief, Office of Regional Geology, at the U.S. Geological Survey headquarters at Reston, Virginia. He plans to return this summer to live in Sunnymead (east of Riverside) and continue field research on problems of southern California geology.

Eric Sundquist '70 began as associate editor of Geology magazine in 1984.

Tom Doe '71 continues to work in radioactive waste disposal research at Lawrence Berkeley Laboratory in Berkeley, California. Areas of major interest have been hydraulic fracturing and low permeability well testing in fractured rock. He works closely with the Civil Engineering department at Berkeley where he has an adjunct lecturer position. Wife Paula '71 is putting her Japanese and business education to good use by writing for "Electronic Business" magazine on Japan-related developments. Since the last newsletter they've increased the family to include Emily (3 years old) and Julia (born May '84).

Ann Meloy-Jubinski '73 visited the department in April '84 while passing through with her husband. They are the proud new parents of a baby girl, Sarah Meloy Jubinski, born June 30, 1984. Congratulations!

Paul Delaney '73 (CMC) has been at the USGS in Flagstaff, Arizona, for the past four years and has been working on problems concerning the response of groundwater to igneous intrusion, as well as processes associated with dike emplacement and related brecciation of host rocks. Abundant intrusions, volcanic necks, throats, diatremes, breccia pipes, maars, and cone sheets scattered across the Colorado Plateau provide study localities. His free time is spent hiking, camping, bicycle riding, and white-water boating (four times through the Grand Canyon).

Ann Meloy-Jubinski '73 visited the department in April '84 while passing through with her husband. They are the proud new parents of a baby girl, Sarah Meloy Jubinski, born June 30, 1984. Congratulations!

Rod Stevens '73 at last word was at Chalmers University of Technology,
Goteborg, Sweden. He was working on a project dealing with Quarternary clay sequences along the southwest coast of Sweden and their susceptibility to landslides. He hopes this will form the basis for a dissertation ("time will tell").

Allan Treiman '74 received his Ph.D from the University of Michigan in 1982 for work on the Oka carbonatite complex, and is now in a Post-Doctoral position with Dr. M. Drake at the University of Arizona studying basaltic meteorites, specifically the 'SNC' meteorites, which have been proposed to be from Mars. If a faculty job remains unattainable by next year, Allan plans to change fields to something that offers a "modicum of advancement and reasonable salary" (perhaps selling stocks or hacking computers, he says). He married Diane Humes from the U. of Michigan (M.S. in biology) who is currently working at the U. of Arizona Hospital on immunology research. By now they've had - due June 29 - their first child (Allan likes Elizabeth Rose or David Alexander(!), as possible names). Allan has run into fellow classmates Sherman Suter '74, who through "an amazing series of incarnations and transmutations", is working on a Ph.D in evolutionary biology; and Andy Schedl '74, who is still at the U. of Michigan finishing his dissertation. He and Allan co-authored a paper on fluid mechanics in carbonatites which appears in the July 1983 issue of Jour. of Geology, pp. 437-447.


Peter Evans '76 just recently became a father (he put off responding for the newsletter to tell us first hand) of a baby girl, Lee, born June 5, 1984. At the time he wrote the letter, the mother (Ginger) and baby were due home at any minute and Peter claimed he "could hardly be more excited". So excited in fact, that he forgot postage for the letter as evidenced by the 'RETURN FOR POSTAGE' stamped across the envelope. We forgive you Peter. Apart from fatherly matters, Peter has just completed his second year of law school at the University of Denver and is working this summer part-time with the legal/environmental subsidiary of AMAX, Inc. and part-time with a
small law firm on the five-year old lawsuit against Dow Chemical over the contamination/pollution issues which surround the Rocky Flats facility west of Denver.

Craig Gander '76 joined Gulf Oil in June 1981 after his former employer dropped the contract geological research product line in favor of the more profitable military electronics area. He and Gloria are living in Oklahoma City where Craig is team leader for Gulf's development geology group responsible for operations in the Texas and Oklahoma Panhandles and western Kansas. Gloria serves as team leader for the four Gander children ages 9, 4, 3, and 2. Craig enjoyed Don Zenger's "excellent Bighorn Dolomite talk" at AAPG-San Antonio.

Allen Glazner '76 received his Ph.D from UCLA in 1981. His dissertation was on Tertiary volcanic rocks of the Mojave Desert and grew out of his senior project at Pomona College. In June of 1981, Allen married college sweetheart Mary Olney '78 who attended UCLA medical school ("a convenient 200 yards from the UCLA geology dept.", says Allen). The following August, Allen began teaching ("easier and more enjoyable each year") at University of North Carolina at Chapel Hill where research has been along two lines: 1) continuing his thesis research, specifically in the Oligocene-Miocene tectonic evolution of the southwestern U.S.; and 2) studying the thermodynamics of silicate melts. Mary has since landed a residency at UNC in Pathology (that worked out well, too). Allen stops by the department in conjunction with his semi-annual trips to the Mojave Desert for field work. During his last visit he expressed fear of being blacklisted by Alex Baird for recently publishing a paper on sedimentation in southern California (heaven forbid!).

Edward Reyes '76 is happy to report that on May 5, 1984 he married Janet L. Bilton in Brewster, Cape Cod, Massachusetts. They met at Aerial Information Systems, Inc., in Crestline, California where they are currently both employed. AIS is a small company that provides services in the compilation of geographic information system (GIS) data bases for automation and use in regional planning by private companies, and international, federal, state, and local governments. For 4 1/2 years Ed has been primarily involved in project management and photo interpretation for data bases in the Mojave Desert and Clark County, Nevada.

Allen Stork '76 received his Ph.D from the University of California at Santa Cruz this June. His dissertation dealt with continental crustal evolution (not necessarily accretion) in the Fiji Island region. Fortunately for us, he spent the past year and a half teaching here in the Geology Department. He filled in for Alex Baird (sabbatical) in the spring and fall of 1983, and for Don Zenger (sabbatical) in the
spring of 1984. Beginning this September, again as a sabbatical replacement, Allen will teach Igneous and Metamorphic Petrology for one, maybe two years at the University of Massachusetts-Amherst. The spring of 1984 has been a good one for Allen. Besides receiving his Ph.D and a new job, Allen purchased a new truck (yes, the ol' '73 Pinto was traded in) and married his long time girlfriend Judy Junkman (June 30, 1984). The happy couple left Claremont in mid-July for the trip across country. They plan to take a month seeing the sights and visiting family before finally arriving at Amherst in mid-August. We wish them the best of luck!

Scott Borg '77 and his wife Terry had their first child, a son (Lane Thomas), born February 18, 1984. Scott is currently preparing to defend his dissertation early this fall with no definite plans for next year ("things still hang in the balance"). Scott is hopeful of continuing his research in Antarctica and should know soon the fate of a pending NSF proposal. If funded, he will be in a post-doctorate position at UCLA ("so much for staying away from smog").

Lynn Roberts '77, after graduating, spent four years as a consultant in Los Angeles which convinced her she is an academic at heart. Consequently, she has spent the last two years "in her element" at the University of Waterloo in Canada, finishing work on a MSc in contaminant hydrogeology. Lynn hopes to finish this summer in order to begin Ph.D work this fall at either Stanford or MIT (congratulations Lynn). She strongly recommends the people and program at U. of Waterloo, and is happy to discuss the school and/or employment opportunities with any interested student. Lynn married David ...?... last year and, "after never having learned to do things the easy way", started living in different cities. They're hoping that, after Lynn finishes this summer, they can both be together in either Boston or San Francisco. One final note, Lynn wishes to express her gratitude to those who still have the patience to write her letters, and promises to be better at writing back.

Magell Candelaria '78 is "doing well" and enjoying Denver and his job with ARCO Exploration Company. After graduating, he worked two years (filling the shoes of the infamous Gene Hartman) as technician for the geology department. He received his MSc from University of Wisconsin-Madison in December of 1982, and was subsequently hired by ARCO. In April of 1983 Magell made a presentation based on his Master's study at the AAPG Annual Meeting in Dallas, and was promoted in April of 1984 to Area Geologist - Utah Hingeline. This August he has been in Los Angeles assisting with the functions of the LAOOC and the Olympics as an Atlantic Richfield volunteer.

John Estrem '78 is nearing the end of his fifth year with the USGS.
Currently he is involved with the Survey’s main efforts to monitor short term ground deformation within the Long Valley Caldera by use of high precision geodetic surveying. The job and life in the high Sierras suit John fine, though recently things have been a little rough. For instance, John has had to survive a carbon monoxide poisoning last Thanksgiving, a car accident followed by a bout with pneumonia last January, and two sprained ankles while dancing at his own housewarming party last April (let’s hope you weren’t sober for that one, John). John hopes the preceding sentence will activate some correspondence from long lost friends, "before it’s too late...."(the ol’ sympathy approach always works). Apart from geology and small disasters, kayaking, cross country skiing, playing guitar, and bird watching are some of his more sane hobbies. Recently John has taken to collecting gemstones (six month residency at the Gemological Institute of America), and now corresponds with such places as Sri Lanka, Brazil, Thailand, Japan, New Zealand, and Canada. John extends a hearty welcome mat to anyone passing through Mammoth Lakes ("P.S. Darren give a call!").

Annabelle Lee ‘78 is with Exxon at Thousand Oaks. She attended SEPM’s midyear meeting at San Jose, where she had a chance to visit with Don Zenger.

Sorena Sorenson ’78 married Jeff Grossman, whom she met at UCLA, last October. She received her Ph.D this spring from UCLA after finishing her dissertation titled "Petrology of basement rocks of the California Continental Borderland and the Los Angeles Basin". A recent paper titled "Petrology and Geochemistry of Jurassic, Island Arc-like Basement Rocks from the Transverse Ranges and California Continental Borderland" was submitted to GSA Bulletin this June. Another paper titled "Comparative Petrology and Geochemistry of Blueschist and Greenschist Facies Rocks from the Catalina Schist Terrane, Southern California" was submitted this July to the GSA Special Paper on Blueschist and related eclogites. This past spring she led an interesting field trip through Catalina Schist terrane for NAGT members. The guide book, "the Geology of Catalina Island and Nearby Basins" (Sorensen and Stephen Towland, U.N.L.V.) contains a synthesis of all work on the island from 1983 to 1984. Sorena has landed a job as curator of the metamorphic mineral collection at the Smithsonian Institution in Washington D.C., and husband Jeff will work for the USGS at nearby Reston, Virginia. They will begin working this fall.

Vince Cronin ’79 received his MSc from Dartmouth College in December of 1982. Since that time he has tried harder than most, without luck, to land a job with the oil industry. Discouraged yet not defeated, Vince again looked to graduate school and has recently been accepted into a Ph.D program at Texas A&M University. During the past year and
a half, he has kept busy working for a geological engineering firm on the Big Rock Mesa Slide problem in Malibu. In late July Vince led an interesting field trip into the area with Mase Hill '26, Brian Ebersole, Doug Yule '83, and Mike Hall '86. Vince has regularly ventured to Claremont on Tuesdays to visit Woody and bring him to 'Tuesday lunches'. We at the geology department have greatly appreciated Vince's friendship with Woody and know it will be missed next fall. Good luck in Texas!

Polly McCormack '79 finished a year of medical internship in June. "Despite long hours", she managed to canoe in Canada, ski in Switzerland, and sail in the Caribbean (too much, Polly!). After a six month break, she will begin a three-year training program in ophthalmology at the University of Minnesota, and anticipates practicing eye surgery in 1988. During those six months, she plans to (amazing as it may seem) visit Maine to study 'eyes', Colorado to climb the last 3 of 54 'fourteeners' (ditto Bob Michael '66), Africa to study geology and anthropology, Indonesia to be a 'ship's doctor', and Washington, D.C. to see a young British doctor (a.k.a. 'boyfriend'). Bon Voyage!!

Viki McFadden '79 is currently working for Kenneth G. Osborne and Associates in Irvine, a soils engineering firm. Her job is to perform the initial soils investigation at a proposed development site by taking soil samples and classifying material. Besides the field work, she writes and drafts some of the reports. The scope of her work has recently changed, however, due to the fact that she and husband Ed are expecting their first child in September (those that know Ed, 6'11", and Viki, 6'2", are all wondering the same thing: what basketball team will this kid be the star center for?). Consequently, Viki has stopped doing field work and will stop working completely after the baby is born.

Chandler Wilhelm '79 is now with Pecten International, a division of Shell. He received his MSc degree, under Ted Walker, from Colorado University. Don Zenger reports that Chan had an excellent poster presentation on albitionization of detrital feldspars at the SEPM midyear meeting at San Jose in August. Chan is married (Laura) and both were at San Jose.

Garry Hayes '80 worked as the Geology Department's technician through the summer of 1982 and then enrolled in the University of Nevada-Reno where he is pursuing his Master's degree in geology. He is hoping to finish his thesis, on batholithic rocks in the Sierras near Topaz Lake, CA, this summer and then look for a teaching job. Garry, his wife Susan, and daughter Sarah (age 3) dropped by the department in early July for a short visit.
Don Tsusaki '80 is still working at ROLM Corporation, which makes computerized PBX's, as the so-called Product Manager in charge of fiber optics. Don says he also serves as the defacto IBM PC expert.

"Marketing manager: 'Don, my PC don't work.'; Don: 'Have you tried plugging it in?'

Darren Elsby '81, we have learned through knowledgeable sources (Bill Gentry), was recently married (May 1983) to a secretary in the geology department at the University of British Columbia where he continues to work towards a graduate degree. Darren, please do fill us all in on the details!

Pam Hale '81 will begin law school at Colorado University this fall in Boulder, Colorado. She hopes to work with energy/environmental law related topics.

Lorraine Schnabel '81 is currently working for the USGS, Branch of Central Mineral Resources in Denver, as manager of what she loosely calls the "X-ray diffraction lab" where she is in charge of the computer automated X-ray diffraction system. Most of her work is doing clay analysis. She says graduate school is still pending. Aside from geology, Lorraine has enjoyed Denver summers hiking and camping, and not enjoyed Denver winters. She has also taken up weightlifting "semi-seriously", and has returned to her music - voice lessons again! (interesting combination Lorraine).

Scott Stevens '81 was (Sept. '83) on a year's leave from Scripps Institute of Oceanography in San Diego with the option to return anytime before the fall of 1984. However Scott was unsure he would finish at Scripps (pending funding of a project to be conducted off Sri Lanka). Otherwise he hoped to work in the Bay Area for several years and then finish his Ph.D.

Laurel Vedder '81 recently received her MSc degree from the University of Arizona after "spending a final year among the coatimundis and javelinas of southeastern Arizona". Her thesis explored the stratigraphic relationship between a couple of mid-Mesozoic conglomerates in the Canelo Hills and Huachuca Mountains. Along with "rearranging the Mesozoic stratigraphic column", her work placed better constraints on the timing of a marine transgression into southern Arizona: "the result of tectonic activity in the Gulf of Mexico region in the Late Jurassic". After receiving her degree, Laurel landed a job (yes, it can still be done) with ARCO Exploration Company and is temporarily located in Plano, Texas.

Cindy Braun (Indiana Univ., at PC '80 and '81) is living in
Albuquerque, New Mexico. She has worked for various consulting (engineering and geology) firms as a draftsperson and hopes to pursue an MBA in the spring of next year at the University of New Mexico. She hasn't given up the geology, but would like to "incorporate it with new managerial skills". At last word she was working for Cordex Exploration Company near Glenwood, NM. Cindy "really loves" Albuquerque and hopes to stay there for a while.

Cris Robinson '82 spent a year as the geology department's technician where she tackled the monumental job of reorganizing the rock and mineral collection. She will perhaps be most remembered, however, for the thousands of combination rock sample/thin section boxes she ordered that may last the department well into the 22nd century! (that's OK Cris, Alex signed the order). As technician, Cris prepared interesting exhibits, including a special exhibit honoring Dr. Woodford in the new library. Cris recently finished her first year of graduate school at the Vanderbilt University. She will return to Pomona next fall on leave from Vanderbilt to work on her thesis: study of a pluton in the northern Old Woman-Piute Mountains. Cris welcomes all who are in need of a place to stay while in Claremont next fall or Nashville next spring.

Eleanor Snow '82, the 1981 Richard E. Strehle Award recipient, received her MSc from Brown University after giving her first paper at the Eastern AGU Meeting May 16th (Allen Glazner was there) which "went quite well and was very well received". Look for this paper on the Bishop Tuff, (where she determined two flows to have been extruded 1.5-2.5 years apart!), in upcoming issues of Geology and/or Geophysical Research Letters (she has yet to decide to whom to send the manuscript). Next fall she will continue at Brown working towards her Ph.D. Her research will combine mineralogy, structural geology, and metamorphic petrology in an investigation of the interaction between deformation and metamorphism. Apart from geology, Eleanor has found a local womens soccer team that plays three times a week - year round ("no geologists or students on the team, a perfect escape!").

ATTENTION SPENCER HARRIS - PLEASE WRITE ELEANOR!

Steve Clemens '83 and Dave Mohrig '83, for those who didn't know, spent the greater part of the past year walking across the southern U.S. (see p. 14, Pomona Today, October, 1983). They left the Pacific Coast at Dana Point in early September, 1984 and Steve (Dave was unable to make the last bit) "fell" into the Atlantic Ocean at Neptune Beach, Florida. Both admitted feelings of great accomplishment and growth along with physical, mental, and emotional anguish (no pain, no gain guys); and although the trip was a great success, they of course were glad to be finished and on their way to leading normal lives again.
Steve worked as a laborer (construction that is; glutton for punishment eh Steve?) through July, "in order to be able to subsist next year at Brown University", in Boulder Colorado. To fill out his summer, he hopes to do some "serious socializing and psuedo-serious backpacking" in and around the Pacific Northwest.

Dave has ended up in Seattle, Washington where he is enrolled in the geology graduate program at the University of Washington provided he gets "around to paying the $50 entrance deposit". This fall Dave and Chiu-Mi Lai '83 will be married. Now you know why Dave decided to forego the last leg of his journey!

Phil Ihinger '83 spent his first year away from Pomona College living in Claremont and commuting to Caltech ("that traffic sure is fun!", says Phil). There he works for Professors Stolper and Wyllie as a lab technician and enters Caltech's graduate program in the fall (the eight year plan, ouch!).

Moira 'Mo' Smith '83 is one year into graduate school at Western Washington University where she's "taking classes, 'T.A.ing', and skiing". Mo received grant money from GSA for her thesis work; mapping of metasediments in the north Cascades (love those outcrops eh Mo?). Ned Brown, who thinks Don Zenger was one of his T.A.'s at Dartmouth, is Mo's advisor.

Ann Sturdivant '83 is working as a technician for Chevron Oil Company in La Habra while doing graduate work at the University of California, Riverside.

Doug Yule '83 was the 1982 recipient of the Richard E. Strehle award. He spent the summer following graduation working at the USGS in Menlo Park for William (Porter) Irwin. The work involved reconnaissance mapping of 'exotic terranes' in the southwest Klamath Mountains, California (Dubakella Mtn. 15' quad. to be published as MF map by USGS). Doug returned to Claremont last September to become the department technician (convenient until girlfriend Becky McGrew '85 graduates) and is currently enjoying composing this very newsletter ("had to find something to do this summer!"). After Becky graduates, Doug hopes to enroll in graduate school in native Colorado (leave the smog and 'hippy culture' behind!).

Jeff Jones '84 plans to spend about a year or so learning how to read maps so that he won't make a fool of himself in graduate school. If he does a master's thesis, he says he will "have to do his field work in a clearly marked, well populated area". (Jeff is of course referring to his rescue by National Guardsmen in Oregon last winter
after getting lost on the logging roads while doing fieldwork for his senior project.) Until then, he is "looking for a job!"

Joe Stagg '84 was the 1983 recipient of the Richard E. Strehle Award. His prowess as a field geologist landed him a job this summer with the USGS in Menlo Park working for Ed Clifton. In late July he is scheduled on a cruise from the Marshall Islands to Hawaii aboard the research vessel S. P. Lee.

Current Students

Dave Bloom '85, Brad Cornell '85, Dave McLean '85, and Steve Swope '85 (CMC) were enrolled this summer in the University of Missouri-Columbia's field course in Lander, Wyoming. Don Zenger reports they all received A's (over the past nine years, 15 of 18 Pomona students attending this field camp have received A's. A Pomona student has attained the highest average each of the last three summers). Christian Mastor '85 was enrolled this summer in Albion College's field camp in Wyoming and South Dakota.

Dave McLean is the 1984 recipient of the Richard E. Strehle Award. Dave plans to use the award to purchase field instruments and help defray the cost of summer field camp.

Dave Bloom spent the summer of 1983 as the 'technical assistant's assistant' helping Cris Robinson '82 sort through the rock and mineral collection. Having had enough Dave spent the following fall in Greece.

Mike Hall '86 is this summer's 'technical assistant's assistant' and has picked up where Dave and Cris left off last summer. Thanks for your help this summer, Mike!

In May we graduated three geologists; Joe Stagg received a summer field camp scholarship from the National Association of Geology Teachers. Next year we will have 15 majors (only one woman); nine seniors, four juniors, and two sophomores.