In 1977 the alumni and friends of the Geology Department joined with faculty and students to honor Professor A. O. Woodford, whose intellectual leadership and infectious personal enthusiasm for geology have meant so much to us over the years. In February 1980 we met again, this time to celebrate Woody's 90th birthday with the Second A. O. Woodford Geology Seminar, whose topic was "Aspects of the Tectonic History of Southern California". A full day of excellent lectures on Saturday was followed on Sunday by a field trip (organized by Cortez Hoskins '53), whose highlight was Woody's exposition of the significance of the San Onofre Breccia at Dana Point. R. Dana Russell '27 and Roger Revelle '29 contributed greatly by their talks at the luncheon and banquet.

This year we are proud to announce the First Woodford-Eckis Lecture, and pleased to invite you to join us in this fine way of paying tribute to Woody. The lectureship has been endowed by Rollin and Caroline Eckis, and it will permit us from time to time to bring to the department a distinguished geologist who will meet with students and faculty, and who will, if his topic is appropriate, give a public lecture.

Rollin Eckis, '27, was one of Woody's earliest students and has been one of the most successful. He rose to the positions of Executive Vice President and Vice-Chairman of the Board of Atlantic Richfield. On retirement he took up once again his studies of faulting in southern California, and his research report on the Elsinore fault, which made an appropriate opening to the Woodford Seminar in 1980, will be remembered by all who heard it.

We are particularly pleased that Barry Raleigh '57 will be the first Woodford Lecturer. His distinguished work on earthquake prediction and prevention has received international attention, and he is a noted public speaker. His public lecture will be given on Monday April 6 at 8 p.m. in Bridges Hall of Music: his topic is "Predicting the next great earthquake in southern California".

A News Release on the Woodford-Eckis Lectureship is attached.

Stanton Hill '33 has paid a beautiful tribute to Woody, who as he says "taught me the value of knowing about the history of geology and to love the rare, old volumes with which he surrounded himself, most of them the legacies of pioneer investigators of the earth". In December 1980 he presented to the Woodford Library a magnificent copy of Louis Agassiz's "Etudes sur les glaciers" (with text and atlas), published in Switzerland in 1840. It is the first work listed in Horblitt's "One hundred books famous in science", who reproduces both title pages. In his letter of transmittal, Stan Hill wrote: "I wish to present this to the Woodford Geology Library in honor of Professor Woodford, whom I first met fifty years ago next month as a prospective applicant to Pomona."

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Although time does not permit us to include a full report on departmental news, the following highlights will prove interesting to many:

Don Zenger's work organizing the Dolomite Symposium in Houston in 1979 has culminated in the impressive publication of SEPM Volume 28 on "Concepts and Models of Dolomitization". Don's translation (with Albert Carozzi of the University of Illinois) of Dolomieu's 1791 paper appeared in the Journal of Geological Education, January 1981. Don makes an important contribution by organizing a lecture series which enriches the curriculum of our small department. Recent speakers include:

Larry Herber, Chairman, Department of Geology, California State Polytechnic Institute: "Engineering Geology of Landslides and Faults".

Mason Hill: "The Story of the San Andreas: A History".

Gary Ernst, Chairman, Department of Earth and Space Sciences, U.C.L.A.: "Blueschist Facies Metamorphism, and Plate Tectonic Interpretations".

William J. Morris, Chairman, Department of Geology, Occidental College: "Dinosaurs of Baja California".

Rick Hazlett, Geology Department, Occidental College: "Volcano watching in Central America".

J. A. Fagerstrom, Department of Geology, University of Nebraska, Lincoln: "Paleoecology of Devonian Patch Reefs and Biostromes in the Michigan Basin".

J. William Schopf, Department of Earth and Space Sciences, U.C.L.A.: "Recent Studies on the Origin and Evolution of Life".

Gregory A. Davis, Chairman, Department of Geological Sciences, U.S.C.: "Regional Crustal Detachment Faulting of Miocene Age, Southeastern California-Western Arizona: Landsliding on a Previously Unrecognized Scale?".

Vicki Todd, USGS: "Batholithic Rocks in Southern San Diego County: Intrusive and Structural Relations".

David H. Krinsley, Chairman, Department of Geology, Arizona State University, Tempe: "Surface Textures of Sand Grains and Eolian Action on Mars".

William B. Wadsworth, Chairman, Department of Geology, Whittier College: "Petrology of the Source Region for Copper, Ajo, Arizona".

Donn S. Gorsline, Department of Geological Sciences, U.C.L.A.: "Sedimentation Model for the California Borderland".

Michael A. Murphy, Department of Geology, U.C. Riverside: "Conodont Zonal Stratigraphy, Central Nevada, and Tectonic Implications".

Warren Thomas '73, Department of Earth and Space Sciences, UCLA: "Stability of the Amphibole Hastingsite and Implications for the Crystallization of Granites".

Kerry E. Sieh, Division of Geological and Planetary Sciences, Cal Tech: "Prehistoric, Historic, and Future (?) Behavior of San Andreas Fault".

Alex Baird organized a field trip to Hawaii for geology students and others. The help of Ed and Bunny Welday, who now live at Keaau, on the big island of Hawaii, was invaluable. Alex is also responsible for a popular evening seminar on environmental geology with guest speakers from industry and the USGS; for example, Bob Bean introduced the topic of groundwater geology, and Mel Swinney '40 spoke on geothermal energy. As the funding for the Viking Project comes towards the end, Alex's research is turning from
Mars back to the granites of southern California. He will lecture at California State University, Fullerton on May 13 on the subject: "Nature of Source Magmas, Southern California Batholith".

Alex gave a paper on Martian geology at the International Geological Congress. At the GSA National Meeting in Atlanta Alex gave a paper jointly with Al Miesch of the USGS on "Chemical Variation in Source Materials for Batholithic Rocks in Southern California". Kathy Baird '62 gave a paper at Atlanta on "Quantitative Determination of Rock-Soil Mineralogy in Middle Infrared Color Composite Imagery".

Donald McIntyre is teaching large beginning classes in geology and in computing. As chairman of the executive committee of Pomona's Seaver Computer Center he played a role in the college's acquisition of the second of IBM's new 4300 computers to be installed at any customer site. He also teaches overflowing computing classes drawn from the entire student body as well as special classes for faculty, administrators, and for advanced students. He has been guest speaker at several international meetings on geology and computers, and is consulted by numerous groups both on and off campus. He continues to serve on AGI's GeoRef Advisory Committee, and gave an invited paper at the GSA National Meeting in Atlanta. He has contributed several guest editorials to "Computers and Geosciences".

Donald has been named to the Roberts Distinguished Lectureship at Colorado College. He will also give the Keynote address at the GSA Penrose Conference on the Significance and Petrogenesis of Mylonites. He speaks regularly on the background of James Hutton and his contemporaries; among other occasions have been Symposia at Cal Tech and at the Institute for Humane Studies, Menlo Park.

We are sad to report the death of Florence Dierker Pollard '38, wife of Dean Pollard '33. She and Dean attended the Woodford Seminar in 1980 and were proud to hear their son David give an outstanding lecture on Grove Karl Gilbert and his work.

Although we cannot include all the news we would like to give, we congratulate Doug Morton on his promotion to Chief, Office of Environmental Geology, USGS. Doug's geologic Maps of the San Jacinto and San Gorgonio Wilderness areas have just been published by the USGS as MF 1159-A and 1161-A.

Roger Revelle '29, now Professor of Science and Public Policy at the University of California, San Diego, is Chairman of a Committee studying a problem that affects us all: "Environmental and Societal Consequences of a CO2-induced Climate Change". The Committee's report, now available from NTIS, U.S. Department of Commerce, is the product of a two-year collaboration between the Carbon Dioxide Effects Research and Assessment Program, of the Department of Energy, and the AAAS Climate Project. Roger, former President of AAAS, is widely respected as the Master of interdisciplinary studies of problems with global consequences, and it is no surprise that he has been chosen to direct this vitally important analysis.

Scott Borg '77 and Terry Sprague were married on the campus in the Seaver House on March 7. Scott is doing geological research in Antarctica and at Arizona State University. We were delighted to learn from John Levorsen '53 of his marriage last summer. He has been a regular visitor to the campus and we hope to see him again soon. Jim Secord '75 married Ann Sant in August. Jim is working for a PhD in the history of science at Princeton. His topic is the Murchison-Sedgwick controversy, and we have heard glowing reports of a lecture he gave on his researches. Ann is working on James Hutton's philosophy for a degree at Imperial College.
Ray Weldon '77, who is a graduate student at Cal Tech, has been doing outstanding geological work on the San Andreas fault in Cajon Pass. One of the highlights of Barry Raleigh's visit in April will be a field trip to the Day Canyon fault scarp (described by Rollin Eckis and subsequently investigated by Doug Morton) and to Cajon Pass under Ray's leadership.

We are pleased to report that after a summer of working with Eli Silver at Santa Cruz, and a semester at Oxford University, Scott Stevens '81, has been offered admissions to UCLA, UC Santa Cruz, Cornell, and Princeton. Scott is an indefatigable user of the Woodford Library. Although his tastes in geology are wide in scope, he is particularly conversant with the geology of Indonesia.

We are especially proud that Mason Hill '26 has been named to receive the Sidney Powers Memorial Award, AAPG's highest honor, which is given "in recognition of distinguished and outstanding contributions to, or achievements in petroleum geology". To us Mase stands at the top in both categories. Mase is the most loyal of alumni; he is completing his fourth year on the Alumni Council, and is organizing the 55th reunion of his class. Hardly a week passes without Mase visiting the department. With tact, skill, and good judgment he gives invaluable advice on all subjects to faculty, staff, and students. Mase is a tower of strength and encouragement to everyone who knows him. Although the work for which he is best recognized richly deserves the acclaim that it receives, perhaps some of his most valuable and influential work is done quietly with individuals and will never be widely known. His Alma Mater gave Mase an Honorary Degree on the same day that Woody received his. In our opinion this is the highest tribute that Pomona could pay!
The Woodford-Eckis Lectureship in Geology

The Woodford-Eckis Lectureship in Geology has been established at Pomona College in honor of Professor Emeritus Alfred O. Woodford for his both outstanding contributions to geology and as a teacher. This lectureship is made possible by the generosity of Rollin P. Eckis (Pomona College, 1927) and his wife Caroline (Scripps College, 1931). Its purpose is to bring successful professional earth scientists to the Pomona campus to talk with geology students about their work, and to discuss student projects. Some of these scientists will also present lectures for the Claremont community.

A. O. Woodford graduated from Pomona College in 1913. His family had been represented on the founding board of the College, and he continued the tradition by founding the geology department, which he headed until his retirement in 1955. Always considered one of Pomona’s outstanding teachers, his influence was carried far beyond the campus by numerous professional papers and especially by his textbook, "Principles of Geology" (written jointly with James Gilluly and Aaron C. Waters). This book, by setting new intellectual standards, was enormously influential in the education of geologists throughout the world.

For many years Dr. Woodford combined his teaching position at Pomona with research for the Fuels Branch of the U.S. Geological Survey, whose Claremont office he directed. The maps and reports he prepared, often jointly with his students, are still used as the best sources for information on the geology of southern California. His Professional Paper, written jointly with Jack Schoellhamer, on the Santa Ana Mountains is scheduled for publication by the USGS in 1981.

Dr. Woodford's research is marked by its extraordinary diversity. He ranges with ease from the description and classification of fossils to the unravelling of the conditions under which metamorphic rocks form at high pressure and temperature. His work on submarine canyons, on the mineralogy of the Crestmore limestones, on the rocks of Catalina Island and San Onofre, and on the basement of the Los Angeles basin are particularly noteworthy.

He is learned in the history of science, and the outstanding geology library he built for Pomona College is named in his honor. As a teacher he had a remarkable ability to share his enthusiasm with his students, many of whom have gone on to distinguished careers in geology. He is especially effective in developing critical and enquiring attitudes and skills, with an appreciation for the historical record of the rocks.

Dr. Woodford has never known a generation gap, and he is currently working on a major paper on the structure of southern California jointly with Mason Hill of the class of 1926, Sorena Sorensen, 1978, and Vincent Cronin, 1979.

He has received numerous honors and awards, notably from the American Association of Petroleum Geologists and from the National Association of Geology Teachers. The establishment of the Woodford-Eckis Lectureship will help Pomona College to perpetuate his tradition of combining the highest standard of research with inspiring teaching of undergraduates.
Rollin Eckis, one of Professor Woodford's most successful students, began his professional career with the California Division of Water Resources. With the aid of a few other geologists, a four-year study of ground-water conditions in the San Gabriel Valley and vicinity culminated in his still useful and classic Water Resources Bulletin 45, 1934. Thereafter he became a petroleum geologist, working approximately 40 years with the Richfield and Atlantic Richfield companies. Beginning as a field geologist, he advanced to District Geologist, Chief Geologist, Manager of Exploration, Vice President and President (1962-1966) of Richfield; Executive Vice President, and Vice Chairman of the Board of Atlantic Richfield.

Mr. Eckis' achievements include important roles in oil discoveries in the San Joaquin and Cuyama valleys, California, and the Cook Inlet and North Slope areas, Alaska. His success as a petroleum industry leader has been confirmed by his positions with the Richfield and Atlantic Richfield organizations; his service on other company boards; his participation in petroleum industry organizations; and his service to Pomona College as an active Trustee for many years.

Thus, the Woodford-Eckis Lectureship in Geology serves Pomona College and honors Professor Emeritus A. O. Woodford and his former student, Rollin Eckis, whose generosity provides this Lectureship.

The first holder of the Woodford-Eckis Lectureship is C. Barry Raleigh (Pomona '57), Program Manager, Earthquake Prediction Program, U.S. Geological Survey. Dr. Raleigh, whose pioneer work on the control of earthquakes is well known, will be on campus the week of April 6, 1981. He will meet with a number of geology classes, and give a public lecture on Monday April 6 on the subject "Predicting the next great earthquake in southern California".