

Newsletter



About this Generic Newsletter:

This year's offering is the first version of the E&SS Generic Newsletter. Although we haven't been able to include the legendary photographs and illustrations because of the moth-eaten departmental coin purse, we hope you will still find the news about the Department and fellow alumni satisfying. Your comments and suggestions are always welcomed.

We are sending the Newsletter out now to remind you that Alumni Day 1986 is coming October 10-12 (the announcement that you all should have received is reprinted here following the Chair's letter). We hope you will be able to join us for some or all of the festivities.

Some of the Newsletter stringers have strayed or been lost in other fields (Steve Lipshie, for example, wandered off to North Carolina State again, but will return to join Clem Nelson in running the Alumni Day 1986 Field Trip to "God's Country," the Eastern Sierra and White/Inyo Range).

The Newsletter's only official staff member, Vicki Doyle-Jones, owes thanks to Helen Day, Julie Guenther, Sue Luera, Takeo Susuki, Spring Verity, and the students in the E&SS front office who helped track down the bits of information offered here. Special commendation is due to staff member Ned Swift whose diligence in that very same front office located another 114 alumni for our list, bringing the total up from 1796 to 1910. Most of all, we owe thanks to all of you who care enough to read the very best and support it with your kind words and deeds.

— Vicki



DEPARTMENT OF EARTH AND SPACE SCIENCES
3806 GEOLOGY BUILDING
LOS ANGELES, CALIFORNIA 90024

September 15, 1986

Dear Alumnae, Alumni, and Friends:

This Newsletter brings greetings from the Department of Earth and Space Sciences and news of the past year. News and change seem largely synonymous; the planned changes have strengthened the Department or helped us function better, but we have also had to deal with unanticipated and undesired changes. In this letter I will describe briefly some of both sorts.

Let me start with changes in the faculty. Many of you may have already heard of the death of our well-loved colleague, Professor Kenneth Watson. Ken had retired, but had never terminated his professional activities. Indeed, he had agreed to return to active service to teach a course for us in the Spring Quarter of 1986; and both he and we were looking forward to that. We all mourn the loss of a wonderful colleague, teacher, scientist, and friend. After consultation with Ken's wife, Mary, we have established a scholarship fund in his memory (the Kenneth Watson Memorial Fund) that will be used to assist Geology students, especially those whose interests overlap Ken's.

Other changes in the faculty include both losses and gains. Professor Clem Nelson has decided to start on a "phased-retirement" beginning in January of 1987. We are pleased to recognize that this will allow Clem to continue teaching in the Department for a few years while giving him more time in his beloved field areas. Professor Fritz Busse has resigned to take up a post at Bayreuth University in Germany, but we are happy to say that he will continue to advise E&SS students as a Professor in Residence in the Institute of Geophysics and Planetary Physics. Our new appointees are Professor David Paige, a recent graduate of Cal Tech, whose field is planetary physics (specialty: Mars), and Professor Bruce Runnegar of the University of New England in Australia, a distinguished paleontologist, who expects to arrive no later than the Spring of 1987. We are delighted to welcome these new colleagues.

We are actively recruiting for two more faculty members: a senior-level paleontologist and an Assistant Professor of Geology. We hope to make these appointments by the end of this academic year.

There are also changes to report among the non-academic staff of the Department. The big news is that we have moved vigorously into the computer age, and you will find that there are computers of all sizes now regarded as essential to the functioning of offices and labs. Our computer instruction lab is up and running and will become increasingly important to our teaching program. To keep all of this new activity in shape, we have just added a resident computer expert to our staff. Tom Halderman, who is one of our own - having obtained an M.A. under the direction of Professor Paul Davis - is supervising the lab and serving as a general computer consultant.

After several years of negotiation, we have completed the donation and transfer of the bulk of the Paleontology Collections to the Los Angeles County Museum of Natural History, where they can be used by a larger community. LouElla Saul, who was central to the scholarly use of this important material here at UCLA, has moved to the Museum, where she is supervising the Collections and continuing her curatorial activities. We expect that the links to UCLA will, therefore, remain strong.

Much of the news above relates to paleontology, which is undergoing a renaissance in our Department under the enthusiastic leadership of Professor Bill Schopf. He has provided a focus for paleontology and related sciences through the recently established Center for the Study of Evolution and the Origin of Life (CSEOL) in the Institute of Geophysics and Planetary Physics. Through CSEOL, exciting research directions are being pursued, and the Department's appointments reflect our commitment to the undertaking. We are sure that our instructional program will benefit from these creative activities.

To turn to the students of the Department, I regret to note that our enrollments are down, especially at the undergraduate level. This seems to be a trend in earth science departments and undoubtedly reflects the weak job market in the field. (We hasten to add that we seem to have been hit less than most of the other earth science departments with which we have communicated.) Despite the problems in the employment world, students do come to us, and they are first rate. We try to provide them scholarships and financial support for field work at the level we have in the past. We are, therefore, most appreciative of your donations, especially because the above-noted general slump in the field has deprived us of some important sources of scholarship support.

Finally, let me say that it has been a challenge and a reward to serve as Chair of this Department during the past two years. I have relied heavily on the support of various people who have served as Vice Chairs, including Professors Clem Nelson, David Jackson, Wayne Dollase, and Ian Kaplan. In the next year, the Vice Chairs will be Professors Ron Shreve and Art Montana, which is the new name adopted by our colleague Art Boettcher (he intends to continue publishing under the name Boettcher). Other critical positions in the Department are to be held by Professor Wayne Dollase as Undergraduate Advisor and Professors Gerhard Oertel and John Christie alternately as Graduate Advisor.

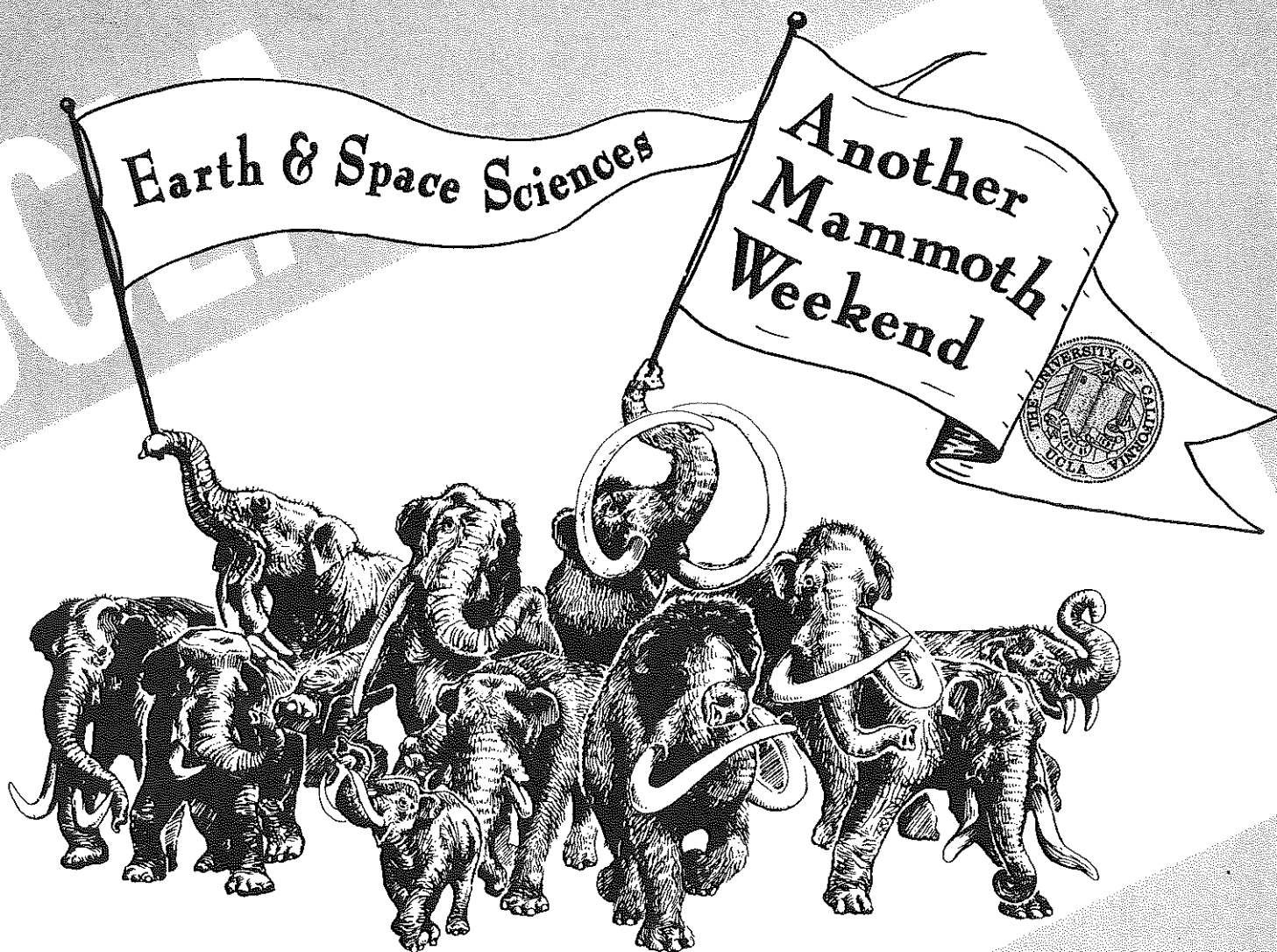
I would also like to remind you of the Alumni get-together planned for the weekend starting October 10. I hope that many of you plan to join us at that time.

Sincerely yours,

Margaret G. Kivelson

Margaret G. Kivelson, Chair

MGK:vbj



THIRD ANNUAL ALUMNI REUNION October 10-12, 1986

Date	Time	Description	Location	Persons	Cost	Amount
FRIDAY 10 October	1:30-4:30 p.m.	Registration	Rm. 3680, Geology			
	2:30-4:30	Open House	Geology Bldg.			
	4:30-dark	Happy Hour, Barbeque and Entertainment	Sunset Canyon Rec. Center (Upper Meadow)	_____	\$10.00	_____
	Dark-10:00	Post-prandial mixer	Sunset Canyon (Vista Room)			
SATURDAY 11 October		UCLA-Arizona Football Game	Rosebowl	_____*	\$12.00	_____
SATURDAY- SUNDAY 11-12 October		Field Trip led by Clem Nelson and Steve Lipshie - L.A. to White-Inyo Range, Mammoth Lakes, Long Valley Caldera		_____*	\$40.00	_____

Contribution to student dinner? _____

* SUBJECT TO AVAILABILITY

TOTAL _____

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See also the K. D. Watson Memorial Scholarship Fund

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The Center for the Study of the Evolution and the Origin of Life

On January 1, 1985, Bill Schopf's Center for the Study of Evolution and the Origin of Life sprang to life officially under the auspices of the Institute of Geophysics and Planetary Physics. The description given below is stolen verbatim from Bill's CSEOL brochure:

"CSEOL owes its origin to WEEG (the Wednesday Evening Evolution Group, a long-established weekly informal gathering of UCLA faculty and research scholars that has become the intellectual focal point of the Center). CSEOL itself is a vibrant, interactive, intellectually stimulating assembly of faculty, staff, students, visiting scholars, and other interested individuals committed to 'scholarly activities relating to evolution, broadly defined (of the solar system, of Earth, of the atmosphere and hydrosphere, of prebiotic organic compounds, of life, of *Homo sapiens*. . .), with particular emphasis on the multidisciplinary nature of such problem areas and the interdisciplinary approach required for their effective investigation.'

"Formation of CSEOL has led to numerous new programs, an influx of new resources, and construction of extensive new facilities. Yet the spirit, style, and goals of the previously established WEEG have remained unchanged.

"UCLA has long been known for its distinguished faculty and active research programs in the life and physical sciences. The major unifying theme of these sciences is evolution, broadly considered--of the solar system, of Earth, of the environment, of life--and the realization that the lithosphere, the biosphere, and the atmosphere and ocean

systems are intimately intermeshed, the evolution of one profoundly affecting the development of the others. Although most human institutions, UCLA included, are notably compartmentalized, nature is not. Each discrete academic discipline explores only a portion of the natural world and its particular evolutionary history. Yet all are intertwined. Knowledge of one can have important impact on understanding of the others. There is an obvious need to bridge these gaps. At UCLA, this need is met by CSEOL.

"The CSEOL complex is housed on the fifth floor of the Geology Building (Room 5687 and adjoining rooms) and includes the CSEOL office, a seminar room and library, office/laboratory complexes for CSEOL research staff and visiting Senior Fellows, and an excellent computer facility. Renovation and expansion of the complex is scheduled to be completed in fall, 1986. Upon completion, the remodeled facilities will include an impressive collection of Darwin memorabilia contributed by the author and editor, respectively, of *The Origin, a biographical novel of Charles Darwin*. . . Center facilities are available for use by CSEOL Members, Associate Members, Senior Fellows, and Fellows, as well as by UCLA paleobiology faculty and students. The CSEOL library contains an extensive collection of geologic, biologic, and evolution-related literature, including issues of more than three dozen current journals and periodicals.

"The founding Director of CSEOL is J. William Schopf, Professor of Paleobiology and specialist in studies of the earliest (Precambrian) history of life. CSEOL is administered by the Director and a faculty Executive Committee, the composition of which reflects the broad scope and multidisciplinary research interests of the CSEOL membership.

"There are four categories of membership. (1) CSEOL Members: permanent or temporary UCLA faculty and research scholars; (2) CSEOL Associate Members: non-UCLA scholars invited to participate in CSEOL; (3) CSEOL Senior Fellows: distinguished visiting research scholars; and (4) CSEOL Fellows: graduate student recipients of CSEOL fellowships. . . there are currently 60 Members and 16 Associate Members of CSEOL. Several Senior Fellows are currently in residence. . . the first CSEOL Fellow has been appointed for

the 1985-86 academic year; two additional fellowships are to be awarded for 1986-97...."

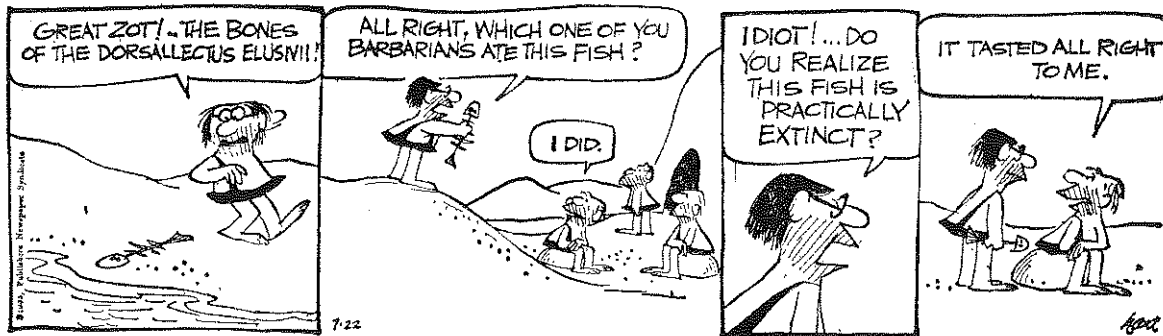
"In addition to its other programs and activities, CSEOL serves as the organizational center for the Precambrian Paleobiology Research Group, an international consortium of some fifty scientists involved in investigation of a broad spectrum of questions relating to biologic and environmental evolution during the earliest stages of Earth history. Supported by CSEOL and by national

funding agencies (the National Aeronautics and Space Administration, the National Science Foundation, and the National Geographic Society), the group will carry out a series of multidisciplinary research projects at UCLA in 1987-88.

"CSEOL hosts a number of annual social functions. . . Members have a long-standing tradition of coming together for impromptu seminars, special lectures, and informal gatherings. The spirit of CSEOL is one of congenial collegiality."

B.C.

BY JOHNNY HART



Gone the way of the Dinosaurs. . .

The University of California's collection of invertebrate fossils (except Protozoa) has been transferred to the Natural History Museum of Los Angeles County, Invertebrate Paleontology Section (LACMIP). A report by Edward C. Wilson and LouElla R. Saul (native daughter of and 30-year staff member for E&SS, who followed her beloved fossils to the L.A. County Museum) states:

"This collection was highly rated in the CONARIP Report (Glenister, B.F., Chairman, 1977. Fossil invertebrates - collections in North American repositories 1976. A report of the Paleontological Society Ad Hoc Committee on North American Resources in Invertebrate

Paleontology (CONARIP), University of Iowa, 67 p.). It contains approximately one million specimens, including name-bearing types for 307 species.

"Two other universities, the California Institute of Technology and the University of Southern California, also transferred important collections of invertebrate fossils to LACMIP in recent years. With these additions, LACMIP now has the major collection of invertebrate fossils in southern California, with an estimated holding of three million specimens, including name-bearing types for 836 species.

"Borrowers should return specimens to LACMIP upon completion of loans."

The teaching collections, a slice of life for invertebrates in all time periods, will remain in the E&SS Department and be curated by Dr. Takeo Susuki.

Kenneth DePencier Watson

1915-1986

Professor Kenneth D. Watson, one of the world's truly gentle men, passed away peacefully during his Sunday afternoon nap on February 23, 1986. Ken had come through several years of illnesses (including heart surgery and a bout with cancer), recovered robust good health and his perennial enthusiasm for life and people, and was looking forward to his active retirement, teaching and traveling. Gary Ernst's obituary for Ken is given below:



"Kenneth D. Watson, Professor Emeritus of Geology in the Department of Earth and Space Sciences at UCLA, specialist in ore deposits and in the petrology of ultramafic and alkaline rocks, passed away on February 23, 1986, at the age of 70. He had been ill for several years, but continued professional geologic investigations, chiefly in Canada, as a principal officer of Dome Mines, Ltd. He had been recalled from retirement to teach introductory petrology in the UCLA Earth and Space Sciences Department during the Spring Quarter 1986; Ken was eagerly looking forward to this assignment, as it was one of his favorite courses. He is survived by his wife, Mary; his three children, Douglas, Rita, and Marsha; and six grandchildren.

Chairman of the UCLA Department of Geology during the period 1960-63, Ken entered UCLA

service in 1950 after three years as Instructor in Geology at Princeton, three more as Mining Engineer in the British Columbia Department of Mines, and four as Associate Professor of Geology at the University of British Columbia. He obtained his Bachelor's degree from UBC in 1937, and the Ph.D. from Princeton in 1940.

Ken's professional work was characterized by careful attention to details, scientific rigor, and meticulous adherence to only those conclusions supported by the data. Associations with colleagues and students were cordial and warm. Ken possessed a relaxed nature and a wry humor. He treated one and all with honesty, tact, and consideration; in a word, he was a true gentleman.

His colleagues, former students, and family have decided to set up the Ken Watson Scholarship Fund (UCLA Foundation, Earth & Space Sciences) through which interest from donations will support the studies of future UCLA earth science students. This is an appropriate memorial, for Ken was a dedicated teacher."

Kenneth D. Watson Memorial Scholarship Fund

Mary and Ken Watson's three children (Douglas, Rita and Marsha) have asked that there be a Ken Watson Memorial Scholarship Fund. Interest from this fund would support the studies of E&SS students. Those wishing to donate to the fund may make checks payable to the UCLA Foundation, E&SS, with a memo on the check stating that it is for the Ken Watson Memorial Scholarship Fund.

Dome Mines

Dome Mines Ltd. in Toronto, Canada, and its subsidiaries, Campbell Red Lake Mines Ltd. and Sigma Mines (Quebec) Ltd., donated \$25,000 to the Department of Earth and Space Sciences in the memory of Kenneth D. Watson. Letters from Dome Mines Chairman and CEO, Fraser M. Fell, and Vice President G. S. W. Bruce emphasized the Prof. Watson contributed significantly to the growth and development of Dome Mines Ltd. and its subsidiaries

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E&SS FACULTY

Orson L. Anderson, Ph.D., University of Utah, Professor of Geophysics. Mineral physics; elastic properties and phase transitions in rocks and rock-forming minerals; equations of state, and energy resources; physical and thermal properties of planet interiors; energetics and structure of the earth's core.

Mark D. Barton, Ph.D., University of Chicago, Assistant Professor of Geology. Field, theoretical and isotopic studies of ore deposits related to felsic magmatism. Experimental studies of the phase relations and thermodynamics of silicates, sulphides, and melts. Mesozoic metamorphic and magmatic evolution of the western U.S.

Peter Bird, Ph.D., Massachusetts Institute of Technology. Professor of Geophysics and Geology. Modeling of deformation of the lithosphere with finite elements; rock mechanics and the mechanism of earthquakes. Tertiary orogenies in the western United States; subduction.

Donald Carlisle, Ph.D., University of Wisconsin, Professor of Geology and Mineral Resources. Mineral deposits and mineral exploration; theory of mineral economics; biogeochemical exploration; environments of uranium deposition; structural-petrological geochemical studies.

John M. Christie, Ph.D., University of Edinburgh, Professor of Geology. Geology and structural analysis of metamorphic rocks in southern California and other areas; studies of the deformation of quartz and other minerals; transmission electron microscopy of minerals; interpretation of microscopic structures, textures, and preferred orientations of minerals.

Paul J. Coleman, Jr., Ph.D., University of California, Los Angeles, Professor of Geophysics and Space Physics. Plasmas in space; planetary and stellar magnetic fields; and planetary magnetospheres.

Paul M. Davis, Ph.D., University of Queensland, Associate Professor of Geophysics. Physical volcanology, tectonomagnetism, seismology, earth tides, tectonic deformation and dislocation theory.

Michael J. DeNiro, Ph.D., California Institute of Technology, Associate Professor of Geochemistry and Archaeological Sciences. Stable isotope of biogenic materials applied to archaeology, paleontology, climatology, and organic geochemistry.

Donald J. DePaolo, Ph.D., California Institute of Technology, Professor of Geochemistry and Geology. Isotope geochemistry, Nd, Sr, and Pb isotopes as radiogenic tracers of crustal and mantle evolution; lunar chronology and differentiation; thermodynamics of magmas.

Wayne A. Dollase, Ph.D., Massachusetts Institute of Technology, Professor of Geology. Mineralogy, crystal chemistry, crystal structure analysis; relation of structure to properties; phase transformation; Mossbauer spectroscopy.

W. Gary Ernst, Ph.D., Johns Hopkins University, Professor of Geology and Geophysics. Mineral phase equilibria; crystal chemistry of silicates; electron microprobe analysis; metamorphism and plate tectonics; circum-Pacific and Alpine metamorphism; regional geology of California.

Clarence A. Hall, Jr., Ph.D., Stanford University, Professor of Geology and Paleobiology. Cenozoic paleoecologic and paleoclimatologic studies; plate tectonics; structural geology of the California Coast Ranges and White Mountains, eastern California. Also, Dean of the College of Letters and Science, UCLA; and Director, White Mountain Research Station, University of California.

Raymond V. Ingersoll, Ph.D., Stanford University, Professor of Geology. Sedimentation and tectonics; basin analysis; stratigraphy; sandstone petrology; Great Valley forearc; Rio Grande rift; Montana foreland; California Cenozoic and Mesozoic reconstructions.

David D. Jackson, Ph.D., Massachusetts Institute of Technology, Associate Professor of Geophysics and Geology. Seismology; inverse problems and interpretation theory in geophysics; crustal deformation and secular strain; earthquake prediction.

Isaac R. Kaplan, Ph.D., University of Southern California, Professor of Geology and Geochemistry. Biogeochemistry of Recent sediments; California offshore and deep-sea sediments; origin of petroleum; cycling of elements in the ocean; isotope geochemistry of terrestrial rocks and meteorites; environmental geochemistry.

William M. Kaula, M.S., Ohio State University, Professor of Geophysics. Planetary and orbital dynamics, with application to solar system origin and evolution; planetary evolution; mantle convection; statistical problems in geophysics.

Margaret G. Kivelson, Ph.D., Harvard University, Professor of Space Physics. Physics of particles and fields in the magnetospheres of Earth and Jupiter; convection, wave-particle interactions, and models of geomagnetic activity. Chair of the Department.

Helen N. Tappan Loeblich, Ph.D., University of Chicago, Emeritus Professor of Paleontology and Geology. Micropaleontology, paleoecology, evolution, morphology, microstructure, and systematics of modern and fossil foraminifera.

Robert L. McPherron, Ph.D., University of California, Berkeley. Professor of Space Physics

and Geophysics. Physics of the magnetosphere emphasizing magnetic phenomena in auroral regions and ultra low frequency waves. Exploration geophysics and monitoring for earthquake precursors. Instrumentation and data analysis techniques in magnetic field measurements.

Arthur L. Montana, Ph.D., Pennsylvania State University, Professor of Geochemistry. High-pressure and high-temperature geochemistry and petrology; volatiles in planetary interiors; evolution of planetary atmosphere; Cenozoic volcanic history of the Mojave Desert and worldwide.

Clemens A. Nelson, Ph.D., University of Minnesota, Professor of Geology. Stratigraphy and paleontology; Cambrian and Precambrian stratigraphy; the Precambrian-Cambrian transition; Cambrian trilobite paleontology; geology of eastern California and the Great Basin area.

William I. Newman, Ph.D., Cornell University, Associate Professor of Planetary Physics. Planetary physics; geophysical fluid dynamics and the earthquake mechanism; generalized inverse theory; radiation processes and the solar-terrestrial relationship.

Gerhard Oertel, Dr. rer. nat., University of Bonn, Professor of Geology. Structural geology; kinematics of faulting and folding; mechanics of slaty cleavage; mesoscopic and X-ray fabrics; structures of plutonic rocks; model experiments.

David A. Paige, Ph.D., California Institute of Technology, Assistant Professor of Planetary Science. The terrestrial planets; the surface, atmosphere, polar caps, and climate of Mars; remote sensing and spacecraft exploration.

Walter E. Reed, Ph.D., University of California, Berkeley, Associate Professor of Geology. Sedimentology; sedimentary petrology; geochemistry of sediments; origin and distribution of petroleum.

John L. Rosenfeld, Ph.D., Harvard University, Professor of Geology. Backfolding as a late-stage process during continental collisions; theory of schistosity; determination of pressure-temperature conditions of crystallization from elastic effects around minerals included in other minerals;

geology of southeast Vermont, eastern Connecticut, and central Alps; use of microstructures and phase assemblages in understanding tectonics and mechanisms of metamorphic recrystallization; disequilibrium features in metamorphic rocks.

Bruce N. Runnegar, D.Sc., University of Queensland, Professor of Paleontology. Paleontology, paleobiology; paleobotany; micropaleontology; biological evolution; molecular paleontology.

Christopher T. Russell, Ph.D., University of California, Los Angeles, Professor of Geophysics and Space Physics. Planetary magnetism, space plasma physics; solar wind interaction with planets; planetary magnetospheres.

J. William Schopf, Ph.D., Harvard University, Professor of Paleobiology. Paleobiology evolution of primitive Precambrian organisms; organic geochemistry of ancient sediments; evolutionary biology; atmospheric evolution; paleobotany.

Gerald Schubert, Ph.D., University of California, Berkeley, Professor of Geophysics and Planetary Physics. Geophysical fluid dynamics; structure of planetary interiors; mantle convection; planetary atmospheres and surfaces.

Ronald L. Shreve, Ph.D., California Institute of Technology, Professor of Geology and Geophysics. Geomorphology, Quaternary geology, glaciology, and geological physics; theoretical fluvial geomorphology; glacier physics and its application to glacial geology; physics of grain flows and sediment transport; mechanics of sediment subduction and melange formation.

John T. Wasson, Ph.D., Massachusetts Institute of Technology, Professor of Geochemistry and Chemistry. Cosmochemistry; origin and composition of meteorites; neutron activation; noble metals as tracers of major impacts on the earth; origin and evolution of the moon.

Emeritus and Associated Faculty

Lawrence C. Bonham, Ph.D., Washington University, Visiting Lecturer of Petroleum Geology; Adjunct Professor, University of Southern California, Retired from Chevron Oil Field Research Company, 1985. Chemistry, hydrodynamics, and computer geology.

Robert E. Holzer, Ph.D., University of California, Berkeley, Emeritus Professor of Geophysics. Analysis of magnetospheric energy supply processes.

Leon Knopoff, Ph.D., California Institute of Technology, Professor of Space Physics and Geophysics. Theoretical and observational seismology; structure of the deep interior of the Earth; nature of the earthquake source; seismicity.

Alfred R. Loeblich, Jr., Ph.D., University of Chicago, Adjunct Professor of Paleontology and Geology, Retired. Micropaleontology; studies of foraminifera, systematics, evolution, paleoecology, and stratigraphic application.

Paul M. Merifield, Ph.D., University of Colorado, Visiting Lecturer of Engineering and Environmental Geology (also Architecture and Urban Planning). Recent history of movement on fault zones in southern California; hydrological and geochemical monitoring of well water for earthquake prediction; discrimination of desert soils for engineering environmental geology.

Floyd F. Sabins, Ph.D., Yale University, Visiting Lecturer of Remote Sensing for Earth Sciences; Chevron Oil Field Research Company. Remote sensing; mineral resource prospecting, geography, analysis and interpretation from earth-orbiting satellites.

Graduates 1984-85

September 1984

Bachelor of Science

Stana Magali Bucholz (Geology)
 Brian Michael Dodd (Geology)
 Pamela Joan Engler (Geophysics)
 Roy Richard Menges (Geology)

Master of Science

Claire Lustig (Geology)

Master of Science

Claudia Joan Alexander (Geophysics
&Space Physics)
 Mohammed Reza Arghavani (G&SP)
 Leslie Marie Ekas (Geology)
 Sergio Alejandro Cordero (G&SP)
 David John McComas (G&SP)
 Patricia Anne Mutch (G&SP)
 Zhengkang Shen (G&SP)
 Harlan Ernest Spence (G&SP)
 Xue-min Yang (G&SP)
 Ke-Ke Zhang (G&SP)
 Xiao-Ming Zhu (G&SP)

December 1984

Bachelor of Science

Steven Ralph Chambers (Paleobiology)
 Todd Allen King (Applied Geophysics)
 Neal Lee Lester (Geology)
 Timothy James Thompson (Geology)

Master of Science

Lee Frost Bargatzte (Geophysics and Space
Physics)
 Veronique Robigou (Geology)

Doctor of Philosophy

Brian David Marshall (Geochemistry)

June and September 1985

Bachelor of Science

Jonathan Louis Andrews (Applied
Geophysics)
 Laurie Michelle Corwin (Geology)
 Robert Glenn Crisman (Geology)
 Kayvon Davar (Geology)
 Stephen Thomas Defibaugh (Geology)
 Melinda Ann DeWitt (Geochemistry)
 Thomas James Dwyer (Engineering Geology)
 David Brian Ebersold (Engineering Geology)
 Dain A. Ehring (Applied Geophysics)
 Todd Earl English (Engineering Geology)
 Lily Sil Kuen Fong (Geology)
 Joseph Patrick Frascogna (Geology)
 Camille Louise Gaines (Geochemistry)
 York Ralph Gorzolla (Geology)
 Eirik Francis Haenschke (Engineering
Geology)
 Glenn Bunji Hieshima (Geology)
 Daniel Mather Horns (Applied Geophysics)
 Michael Allen Hunziker (Nonrenewable Nat.
Resources)
 Laird Dean Little (Geology)
 Karen Bettina Loomis (Geology)
 Scott Christopher Martin (Geology)

March 1985

Bachelor of Science

Dennis Aslan Ballas (Paleobiology)
 David Allen Ferreira (Geology)
 Donald Dean Murphy (Geology)
 Shin Ueno (Geology)

Mark Whitney Merrick (Geology)
 Barbara Meller (Geology)
 Michael Carl Pope (Geology)
 Gregory Joseph Smith (Geology)
 Todd Stuart Smith (Geophysics & Space
 Physics)
 Raymond Garth Vose (Geology)
 Stacey Elizabeth Zeck (Geology)

Master of Science

Anne Elizabeth Beachey (G&SP)
 Charles Morse Beck von Peccoz, Jr.
 (Geology)
 William Cavazza (Geology)
 Dailey Gilbert Fates (Geology)
 Leslie Dickson Gergen (Geology)
 Walter Edward Hamann (Geology)
 Hakan Karl Ledje (Geology)
 Elizabeth Anne Myhill (G&SP)
 Bonnie Marcia Packer (Geology)
 Michael David George Roger (G&SP)
 Scott Hughes Taylor (Geology)
 Peter Kerry Valles (Geology)

Doctor of Philosophy

Edward Warren Bolton (Geophysics)
 Ching-Chau Abe Cheng (Geophysics)
 Beth Zigmont Lincoln (Geology)
 Chi-Ching Liu (Geophysics)
 Robert William Luth (Geochemistry)
 Monica Ann Mazurek (Geochemistry)
 Michael Owen McCurry (Geology)
 Bruce Kert Nelson (Geology)
 Chun-Chin Arthur Or (Geophysics)
 Simon Muir Peacock (Geology)
 Arndt Schimmelmann (Geochemistry)

Jeffrey Martin Rashoff (G&SP)
 Eric Bruce Rehwoldt (Geology)
 Peter James Tooch (Geology)

Master of Science

Bradley James Huizinga (Geology)
 Alexander Edward Morelan (Geology)
 Rani Hathaway Pettis (Geology)
 Wei-Liang William Yang (Geology)

Doctor of Philosophy

Jeffrey Alan Johnson (Geology)

As the World Turns...

The " Dating Game" may be matchless, but love on the rocks is flourishing in the Department of Earth and Space Sciences. We had a spate of weddings in 1985 (and 1986, too, if we count Bruce and Veronique and Brooks and Nancy, but that's for the next Newsletter): student to student, student to alum, faculty to alum-- six weddings in all.

Vicki Hansen (GS) to John Goodge (GS)
 Laurie Holbrook (A) to Ted Reed (F)
 Lynn Ingram (A) to Don DePaolo (F)
 Patricia Mutch (GS) to Mohammad
 Arghavani (GS)
 Rani Pettis (GS) to Steve Richardson (A)
 Oralynn Self (A) to Simon Peacock (GS)

December 1985

Bachelor of Science

Samuel Robrt Davis III (Geology)
 Hoorik Davondian (Geology)
 Martin Ellis Lieurance (Engineering Geology)
 Scott Christopher Martin (Geology)

E&SS Alumni

1984-85

We have heard from many of you about problems associated with our mailings: Please accept our sincere apologies. Conversion to computers and problems with the University's master mailing list have "lost" some of you and mangled names and/or addresses of others. We're working on straightening it all out. Please bear with us. We're trying.

A

Mohammad Aghavani (M.S., Geophysics and Space Physics, March 1985) and **Trish Mutch** (Geophysics and Space Physics graduate student) were married in September of 1985.

Clem Nelson found a new address for **Steve Alpert** (Ph.D., 1974): P.O. Box 66331, Los Angeles, California, 90066; telephone (213) 478-7405.

J. B. Anderson (B.A., 1937) wrote Clarence Hall that he had run into several UCLA school mates who commented on "a Geology Department publication containing pictures of geology students from Bob Webb's collection. I would appreciate a copy and do not understand why I was cutoff from the mailing list." [*See first paragraph of the Alumni Section*] Mr. Anderson's address is 1512 E. Mountain Drive, Santa Barbara, California 93108.

B

John L. Ball (B.A., 1939) returned from Japan and retired from the US Army Corps of Engineers after 44 years. He writes "My son sent me your 84 Alumni booklet which I enjoyed very much. You had me listed as a lost soul; however, since I got announcement of the three-day celebration October 10-12, 1986, I guess I am on your list. I will be attending my granddaughter's graduation at UCLA in June in Molecular Biology. If you would be interested in a biographic sketch of my career with the Army, I would be glad to send it to you. I left Los Angeles in January 1942 and have been in

the Pacific Basin ever since...I was sorry to hear of Bob Webb's death; he kept me going when I was struggling for my B.A." His address is 1562 Mokulua Drive, Kailua, Hawaii 96734. *Yes, we would be interested in learning about your Army career.*

Steve Bachman (M.S., 1974; Ph.D., U.C. Davis, 1979) is a partner in Crouch, Bachman, and Associates, Inc., Santa Barbara, California 93103. He started his consulting business in 1985 in San Diego and moved to Santa Barbara in the summer. He is an Associate Editor of *Geology*, Science Advisor to the AAPG School in Sedimentation and Tectonics, and is working in California and South America. Steve was one of the speakers at last fall's Rubey Colloquium.

Robert H. Paschall located **Harold G. Billman** (B.A., 1941) for us at 4907 Beverly Skyline, Austin, Texas 78731. D. A. Moore also included him on the list of found souls he sent us.

Bruce J. Bilodeau (M.S., 1981) is a geologist with Western Regional Exploration Department, 6001 Bollinger Canyon Rd., San Ramon, California. His work telephone is (415) 842-0829. Steve (Sleuth) Lipshie also gave us Bruce's home address: 33 El Paseo Ct., Walnut, Creek 94596 (415) 934-2262.

The ever faithful **Michael S. Binder** (B.S. Chemistry, 1973; adopted by E & SS for lifetime membership) is a Research Geologist with ARCO Exploration and Technology Company, Exploration Production Research, 2300 W. Plano Parkway, Plano, Texas 75075, (214) 754-6168, after a transfer from ARCO in Chatsworth, California. He writes that he is "in a newly created group--Long Range Research, part of Production Research (in Exploration and Production Research). We're currently fumbling around trying to scout up some interesting, high-risk projects--quite an assignment during these tight days for the oil industry. Emphasis is on production (cf. exploration). Magnificent failures are viewed more favorably than sloppy successes (or so they're telling us now).

Clem Nelson located **Robert P. Blanc** (M.A., 1958) at 300 Laughlin Way, Redwood Valley, California 95470.

Robert M. Brumbaugh (B.A., Geology, 1956), 550 Larita Drive, Ben Lomond, California 95005, is a Staff Engineer/Group Engineer with Lockheed Missile and Space Company, Sunnyvale, California. He was promoted to Senior Staff Engineer in April of 1986. Since 1981 he had been Staff Engineer on the Space Telescope Program, a NASA-European Space Agency Project, an assignment that took him twice to England on solar array work. Although his letter, written early in the year, says: "The Space Telescope will be launched in 1986, inserted into 300 mile earth orbit for a 15 year mission," we know that the *Challenger* disaster has delayed the launch. We hope with him that a new launch date will be set soon. From 1978 to 81, he worked on the Ocean Mining Program, developing ocean mining systems and harvesting manganese nodules from 15,000' ocean floor with the *Glomar Explorer*. "The mining

site was 1000 miles west of the lower tip of Baja, California. Several of these nodules were provided to the UCLA Geology Department (C. Nelson) in 1979." He is President of the Santa Cruz Mineral and Rock Club, conducted field trips on mineral collecting, and provided programs in California geology.

Norman Bradley (B.A., 1951), 701 Linda Vista Avenue, Pasadena, California 91105, retired from his position with Los Angeles County in March 1985. "At one time or other, five men from the 1951 summer field trip to Mineral Hill, Nevada, worked for Los Angeles County: Stan Ramington, John Roth, Bill Lindero, Jim Padick, and myself--that must be close to 19 percent of the class. Re: W. B. Ellis ('50) comment on Marjorie Johansen librarian marrying Jerry Petree (Petri?)--Georgia wouldn't like that! She married Jerry--she was the librarian in 1948-49. Marjorie took her place--as I recall Marjorie was already married--at least she had an 8-year-old son in 1950."

John B. Brady (M.S., 1972), 37 Henshaw Avenue, Northampton, Massachusetts 01060, is an Associate Professor of Geology at Smith College and Associate Dean of the Faculty there from 1985 through 1987. "I have been at Smith (mostly) since completing graduate school in 1975 (Ph.D., Harvard). Having tested the administrative waters as department chair, I'm taking a plunge as a dean. Geology will not be neglected, however, as I struggle to start up a hydrothermal lab acquired from the estate of Phil Orville. The rest of my time belongs to Nancy, Caitlin (7), Mairin (3). Recent publication: *Fifty Hikes in Massachusetts*, coauthor Brian White)."

C

Dwight L. Carey (M.S., Geology, 1976; D. Env., 1982, Environmental Science and Engineering), 330 Highland Court, La Habra, California 90631, (213) 694-5128, is a partner in Carey & Thomas (environmental management consultants), P.O. Box 9783, Brea, California 92622. This partnership was formed in March of 1985 to provide environmental management consulting services to industry and natural resource development companies. Dwight is a member of the Board of Directors of Caltech (term to 1987), a member of the Association of Environmental Professionals (California), and the National Association of Environmental Professionals. "Since I am not truly practicing in the field of geology, I am primarily interested in having the Newsletter update the activities of those who I might know. It seems to do a fair job at that, although you could add a more direct 'personal' section to the questionnaire to elicit more information of that nature, and could possibly try to do a directory (rotating through the classes so you don't have to do all at once)." *Ed. and future eds note. Yes, a directory could easily be done in this age of data management systems, but not this time round, Dwight. We'll keep it in mind for the future.*

King-wang Chan (Ph.D., 1974) has a new address: P.O. Box 2701, Orangehurst Station, Fullerton, California 92633.

Joy C. Chen (B.S., September 1983), 15962 Myrtle Avenue, #9, Tustin, California 92680, (714) 838-5695, is a staff geologist with Leighton Associates, Inc., 1151 Duryea Avenue, Irvine, California 92714. "I began graduate studies in marine geochemistry at the University of Michigan, Ann Arbor, in September, 1983. My thesis research was on the geochemistry of ferromanganese nodules from the southeast Pacific Ocean. The research results will be submitted for publication in the near future. After receiving my M.S. degree in geology from U-M in May 1985, I took time off to travel in the Orient. I have been working as a staff geologist with Leighton and Associates, Inc., a major geotechnical consulting firm in Southern California, since November 1985. I am working in their hydrogeology department, mainly concentrating on groundwater/soil contamination and hazardous waste investigations. I have NEVER received a Newsletter. In fact, I'm wondering why I'm not on your list of "lost" alumni because I have not heard from the UCLA Department of Earth and Space Sciences at all since I graduated in September 1983. *Please* send me news of the Department happenings-- I want to stay in touch...!" *Be sure to send in your Newsletter 's page to prove to us that you are finally on the mailing list.*

Chirk (Dan) Chu (B.S., Geology, 1980), 1718 Carlson Lane, Redondo Beach, California 90278, is a programmer/analyst with TRW, One Space Park, Redondo Beach, California 90278. He writes that he needs but a few more units to obtain a bachelor's in computer science from Cal State L.A. He is currently working with IMS and IDMS system designing and development. *Do you ever do any more cooking, Chirk? The old Barcroft summerfield cook (dba Newsletter editor) still remembers the Chinese dinner you made for us.*

Richard Clymer (M.A., 1973) was found at the Seismographic Station, 475 Earth Science Building, University of California, Berkeley, California, 94720 by both John Schlue and Keith Nakanishi.

Roy Copp (M.A., never) became unmired from the Alaskan permafrost long enough to seek microtektites in polar ice (both ends) and deep sea cores using the aegis of one of the current administration's SDI grants. His long-standing affaire with the Newsletter editor has caused endless embarassment to everyone. Roy has been afraid to show his face in the vicinity of UCLA, but he's back to tossing the caber in the Highland Games and is still looking for the ever-elusive perfect car (*See entry for D. L. Weide. Roy's settled for a 300SL gullwing Mercedes in the meantime*). The editor needs top secret clearance to support her job search in the aerospace industry, a favor not likely to be granted due to her association with Mr. Copp. Even the FBI will admit Roy is truly one of the "lost souls." Does anyone else have news of Roy?

R. E. Corcoran (M.A., 1953(?), *interesting discrepancy between our records and the text, below...*) writes "I much enjoyed receiving your latest Alumni Yearbook. I have had very little to do with UCLA after I graduated in 1949 and it was interesting to see pictures of some of my predecessors in the pages of the yearbook (Holly Wagner and Parke Snavelly). Johnny Crowell joined the faculty the year before I graduated and

was certainly a welcome addition to the crusty old fossils who made up most of the Dept. staff at that time. I suppose they must have all passed on to their "reward"(?) by this time. Ah, well, how the years do pass! On page 63 you present a list of names appropriately termed "lost souls." One of those names is that of **Tilden Fryar** who was my classmate. Although I never saw Tilden again after I left school, I recall that someone told me back in '56 or '57 that he was dying of cancer. He was working for C.C.M.O. at the time and you could probably check with them. I also note the name of **Martha Gallagher** on your list. If my memory serves me right, she was the lone female geology major (at least in the upper division) while I was at school. I think she was a year or two ahead of me. I don't know what happened to her, but she was going very steadily with one of the other geology majors whose name I can't recall. Wish I could be of more help." R.E. Corcoran works for Mineral Investigations and Land Appraisals, 9551 SW 62nd Drive, Portland, Oregon 97219, (503) 244-5605.

Gordon Moir found **Orlando J. Gonzalez Correa** (M.S., 1971) in the AAPG membership list. He is listed as working for Texas Petroleum Company, Apartado Aero 3622, Bogota, Columbia.

Robert L. Countryman (M.S., 1977) transferred in November 1984 from his previous position as supervisor of subsurface geology with Gulf Oil to his present position of stratigrapher with Chevron Overseas Petroleum, Inc., 901 Tower Way, Suite 200, Bakersfield, California 93309. Bob is the president of the San Joaquin Geological Society (1985-86) and is "still plugging away at the MBA at Cal State Bakersfield. I was transferred to Chevron's International Group as part of the merger-consolidation between Chevron and Gulf. At present, I'm involved with a technical assistance project with the Venezuelan oil company 'Meneven.' We're working on a deltaic sequence in the Orinoco Tar Belt in preparation for an enhanced oil recovery project. At the end of this project, we'll be San Francisco-bound or to 'parts unknown.'" Bob sent in news of Rick Redfern, Dick Kettler, Joe Marquez, Larry Knauer, and Joe Polovina.

J. S. (Jack) Cunningham (B.A., 1952, Geophysics) is Exploration Manager for Celeron Oil and Gas Company, 111 W. Micheltorena, Santa Barbara, California 93101. He was recently transferred from Husky Oil in Santa Maria, California.

D

George H. Davis (M.A., 1940) sent us addresses for Declan P. Ford and Daniel Sokol but not a single word about George H. Davis.

Howard G. Dohlen (B.A., 1950), 12322 Green Avenue, Los Angeles, California 90066, has retired. He is a member of the American Numismatic Association.

Terrance J. Donovan (Ph.D., 1972) turned up in the AAPG membership list

scanned by Gordon Moir. He is with Red Rocks Geoscience, Inc., P.O. Box 129, Golden, Colorado 80402.

Ian H. Douglas (B.S., 1979) left Noranda Exploration, Inc. in March of 1985 to become a geologist with Meridian Minerals Company, Box 3839, Sparks, Nevada 89432. He received an M.S. from Stanford in 1984 with a thesis entitled "Geology and gold-silver mineralization of the Tecoma district, Elko County, Nevada, and Box Elder County, Utah." "I am credited with discovering the Tecoma disseminated gold-silver deposit (1.5 million tons, 0.055 opt Au, 2.5 opt Ag)." He is currently working on disseminated gold exploration in Nevada and "hoping for another discovery (I am hungry!!). Enjoyed the Newsletter, though it seems the class of '78-79 is fading. Need a summerfield group photo? How about an address list? What kind of donations are you looking for? I might be interested in a 'personals' section....I know this is a year old, but did you put out another in 1985?" *Sorry, we missed a year for several reasons including budgetary constraints.*

Stevan Paul Dumas, D.D.S. (B.S., 1976; DDS, 1980) opened his own dental office with a reception on November 10, 1985. The office is at 11444 Washington Blvd., Suite A, Los Angeles, California 90066, (213) 390-3401.

Howard G. Dohlen reports that "**Robert Dunfield**, who used to live in San Diego, died a few years ago."

E

J. James Eidel (M.A., 1963), 615 E. Peabody Drive, Champaign, Illinois 61820, is the Principal Geologist and Head, Mineral Resources Group, Illinois State Geological Survey. In answer to the "Recently transferred? Promoted? Retired?" section, he writes: "Query applicable...after 18 years with The Hanna Mining Co. - was U.S. Exploration Manager." He is Vice President of the Society of Economic Geologists; Chairman of the Panel on Mineral Resources, Continental Scientific Drilling Comm.-NAS/NRC. His recent work includes AIME, AGU and Lamont papers on the Mineral Resource targets of the Continental Scientific Drilling Program. He claims that "two children in medical school prevent a significant contribution..." and adds "Why not do an article on George Tunell? Elburt (Ozzie) Osbourne, retired director of the U.S. Bureau of Mines, could provide some tales of his days at Carnegie (Ozzie is at Penn State). I can recall the night his grad students congregated at a local pub and were amazed by his tango exhibition, complete with a Flamenco partner. Not the usual professional entertainment." *(Sorry I won't be able to chase this one down. Wait 'til next time.*

Carl A. Evans (B.S., Geology, 1969), 218 Millbrook Lane, Houston, Texas 77024, is a Corporate Staff Geologist with Sohio Petroleum Company, Sage Plaza One, 5151

San Felipe, P.O. Box 4587, Houston, Texas 77210. "Three months after transferring to Houston from Southern California, the company (Aminoil) announced it was for sale! Phillips bought Aminoil and rather than transfer to Denver, I left Phillips for Sohio. Merger mania!"

F

Thomas R. Fairchild (Ph.D., 1975), Rua Pinheiros 954, Apt. 72, Sao Paulo, SP, Brazil 05422, still at the Instituto de Geociencias, Universidade de Sao Paulo, C.P. 20899, Sao Paulo, SP 01498, is working with Precambrian and Permian stromatolites, Precambrian microfossils and possibly Precambrian (or early Paleozoic) shelly fossils. He is now supervising four graduates and is involved with volunteer work with the Sociedade Brasileira de Geologia.

Allen W. Hatheway writes that **Robert Farina** (B.A., 1957), USBR, Denver, will be retiring in 1986 or 1986 and returning to California after years of absence.

George H. Davis located **Declan P. Ford** (B.A., 1948) at the Federal Energy Regulatory Commission, Rm. 6112, 825 N. Capitol St. NE, Washington, D.C. 20426.

Checking the membership list of the Mineralogical Association of Canada, it was discovered that **W. Phelps Freeborn** (Ph.D., 1976) has left the Materials Research Lab. at Penn State for a post at the Catholic University of America, 620 Michigan Avenue NE, Washington DC 20064. *We note an "S" following your name on the membership list, Phelps. Does that mean the MAC also has computer troubles or are you again a student?*

Leslie (Sadler) Klinchuch writes that **Steve Freeman** (B.S., Geology, 1983) is a graduate student at Cal State L.A. and works as a lab technician for a polymer company. Steve's address is 11683 Margate Avenue, North Hollywood, California 91601.

John Schlue found three "lost souls" for us. One of them was **Jose C. Frez** (D.P., 1977) whose mailing address is P.O.Box 5063, San Ysidro, California 92073, but whose professional affiliation is Centro de Investigaciones Cientificos y de Educacion Superior de Ensenada, Espinoza #842, Ensenada, Baja California, Mexico. Keith Nakanishi also sent the same address for him.

G

Allen Glazner (Ph.D., 1981) and wife, Dr. Mary Olney, have a new son, Chris, born in March of 1984.

John Goodge (graduate student in the Ernst group) and **Vicki Hansen** (also an Ernstian graduate student) were married in Minnesota in June of 1985.

William A. Greenwalt (B.S., 1941) wasn't destined to be a "lost soul:" both David A. Moore and Harold H. Sullwold sent in his address at 601 Lido Park Dr. 3-D, Newport Beach, California 92663.

H

Donald W. (Don) Hagen (B.A., 1953, Geology; M.A., 1957, Geology) is Supervisor for Foreign Exploration for Texaco Canada Resources Ltd., Box 3333, Calgary, Alberta, T2P-2P8, Canada. He made a recent "lateral arabesque" from Supervisor of Special Projects to Foreign. He "went on another foreign company-paid trip in 1985, this time to 'sit' wildcats in the South China Sea. Managed to fill in my tour blanks in China, South Korea, Phillipines, Japan, and Hawaii during and after the project. Also toured through Yugoslavia, Italy, North Africa, and Iberia on way back from wellsite work in Yugoslavia in 1984. I'm fast running out of world to see."

Allen W. Hatheway (A.B., 1961) is a Professor in the Department of Geological Engineering, 125 Mining Building, University of Missouri-Rolla, Rolla, Missouri 65401. He was appointed and served as USEPA Regional lecturer (all ten regions) on hazardous waste remedial engineering technology and is currently working to complete "*Geology and Engineering*," an undergraduate textbook, with Dr. Robert F. Legget of Ottawa. He was also past president of the GSA and just completed a year's service as President of the Association of Engineering Geologists (AEG).

Paul Merifield pointed out Volume XXII, No. 1 of the *Bulletin of the Association of Engineering Geologists*: Eugene B. Waggoner (M.S., 1939) received honorary membership from the Association; and the paper "Coregistered Remote Sensing Imagery for Reconnaissance Engineering Geologic Mapping" by **Richard Stewart Hazen** (M.S., 1983) was the Association's 1984 Student Professional Paper (Graduate Division). The introduction to Rick's article says:

"Mr. Hazen participated in a variety of remote sensing research projects under the supervision of Dr. Paul Merifield of Lamar-Merifield Geologists in Santa Monica. His thesis is titled 'Discrimination of Alluvial Deposits Near Vidal Valley, Southeastern California, Using Coregistered Landsat MSS and Seasat SAR

Imagery.' Since August 1983, Mr. Hazen has been employed at the Bakersfield headquarters of Shell California Production, Inc. He has worked on assignments throughout the southern half of the state, and is currently the geological engineer responsible for the development of Shell's properties at the Mt. Poso Oil Field."

Jim Herring (B.S., 1968) went to all the trouble to return the Newsletter questionnaire with nothing more than an address stamp: Branch of Energy Minerals, U.S. Geological Survey, P.O. Box 25046, Mail Stop 933, Denver Federal Center, Denver, Colorado 80225.

Kenneth J. Hsu (Ph.D., 1954) is the Chairman of the Geological Institute, ETH, Zurich, Switzerland. "I remember a saying I heard way back in my UCLA days, one becomes chairman of a department because he wants to prevent someone else from having the job. With time, I learn the wisdom of my teachers at UCLA." He received the Wollaston Medal of the Geological Society, London. He adds: "I think the Newsletter is excellent, but missed the news of friends on the staff. Is LouElla Saul still on campus and did she go with the collection to the County Museum?...add a page or two about the non-professional staff." *(Yes, Lou went to the County Museum where she seems to be very happy. Takeo Susuki remains at UCLA to curate the teaching collections of fossils and minerals and to teach his photography courses and help with this Newsletter. See the note on the transfer of the collections at the beginning of the Newsletter.)*

J -----

Gary S. Johnson (B.S., 1971) changed his address to 3530 Shallow Creek Drive, Santa Rosa, California 95404.

J. Granville Johnson (Ph.D., 1964) has been named Chairman of the Geology Department of Oregon State University. He has been on the OSU faculty since 1969, most recently serving as acting chairman of the department. He won the Carter Award for outstanding teaching from the OSU College of Science in 1977 and conducts research in the field of Devonian biostratigraphy and paleogeography. Johnson is a fellow of the Geological Society of America and has served as Associate Editor of *Geology* magazine since 1975.

Last heard from, **Jeff Johnson** (Ph.D., 1985) was in Texas. He's now a _____ for the _____ Division of Exxon Oil. His home address is 9449 Briar Forest Dr. #3544, Houston, Texas 77063.

Robert Johnston's (M.A., 1938) address, Star Rte. 3, 8D, 26840 Echo Court, Tehachapi, California 93561, was found for us by Harold H. Sullwold.

Robert D. Johnston (M.A., 1958), retired USAF Colonel, is now living at 25572 Goldenspring Dr., Dana Point, California 92629.

K

Joseph Walter Kean, Jr. (B.A., 1939, Geology) retired as a Lt. Col. - Naval Aviator in 1960 after 20 years of military service in the Marine Corps. He writes that he "retired completely in 1980, after 20 years in the educational field, 16 of it as a high school teacher in the California Youth Authority Correctional Service. He has a "life-time" general secondary teaching credential earned from Cal State Long Beach. "I find the Newsletter interesting! I particularly enjoyed Robert W. Webb's letter of 2-6-84 with its many pictures of professors and students I had known at UCLA during the years 1934-39. Many of these individuals had quite interesting careers. Prof. R. W. Webb surprised me with the picture of myself in a ROTC uniform. I had taken several of his classes at UCLA."

Arthur G. Keene (B.A., 1951), 124 S. Parish Pl., Burbank, California 91506, is a County Geologist with the Department of Public Works, 550, S. Vermont Ave., Los Angeles, California 90020. He was employed by the L.A. County Engineer from 1965-84, and before that worked for the County Flood Control District (1951-65). He received an M.S. from USC in 1965. He is currently looking at active landslides in L.A. County and has written papers for the Association of Engineering Geologists (October 1973, July 1973, October 1981). He was the Southern California Section Chairman of the AEG in 1976, is a member of the Joint Committee on Seismic Safety (1969-74) and a member of and Newsletter editor for the National Research Council's Committee on Ground Failure Hazards.

Robert B. Kelly (M.A., 1941) is no longer a "lost soul" thanks to David A. Moore. His address: 7909 S. Painter, Whitter, California 90602.

David A. Moore's detective work also found **Albert R. Kerr** (M.A., 1938), who is an Associate Professor at Orange Coast College. 2701 Fairview Road, Costa Mesa, California 92626.

Bob Countryman reports that **Dick Kettler** (M.S., 1982) has returned to school for his Ph.D. at the University of Wisconsin.

Julius Klain (B.A., Geology, 1937), 931 Schumacher Drive, Los Angeles, California 90048, writes that he has retired, but under "other activities" has written "Land surveyor--Certificate #3040." *Active retirement??*

Leslie Anne (Sadler) Klinchuch (B.S., Geology, 1983), 5400 Pepper Tree Lane, Bakersfield, California 93309, started working for Union Oil's Development Geology Department in February of 1985 and wrote that she was really enjoying it. "I like the

change from an academic education to an applied education in geology, for I've always been interested in application. The petroleum industry is a geologic realm all its own, in a way. I'm working in development geology (not much happening in exploration these days)." But in a letter to Spring Verity in October of 1985, Leslie had moved to Chevron, USA. "I believe the last time I wrote I was working as a contract hire for Union Oil. Well, after much patience and persistence, I am now employed permanently for Chevron USA...Do you remember when I received a summerfield scholarship from Chevron via Floyd Sabins? Well, after I am with the company six months, I, too, will be able to participate in the Chevron matching gift program and make donations to UCLA Earth and Space Sciences.* I'm glad I'll have the opportunity to give something back to help support the geology department that gave me so much...Doug and I are doing terrific. We couldn't be happier." **She did, too!*

Bob Countryman reports that **Larry Knauer** (M.A., 1982) is working for Chevron/Gulf in Ventura.

A note on my desk last March said **Jeff Knott** (B.A., 1983) had telephoned to say he had sent us money but didn't get any Newsletter. Mr. Knott did not appear on the computerized list of donors either. *I think you are horribly lost, Jeff. Your and your money have disappeared into electronic limbo. Please write the Department and let us know what happened - if you get this Newsletter! When did you send your donation and did the check get cashed?*

Takeo Susuki found the address for **Edmund Walter Kiessling** (M.A., 1958): 1299 Linda Vista, Pasadena, California 91103, (818) 796-8841.

Steve Lipshie says that **T. K. Krishnan** (Ph.D., 1976) is working for the consulting firm Terracon in Vancouver, British Columbia.

L -----

Tim Latiolait (B.S., 1975), 7163 Alvern Street, Apt. D., Los Angeles, California 90045, is a Senior Engineering Geologist with LeRoy Crandall and Associates, 711 N. Alvarado St., Los Angeles, California 90026. "Since joining LeRoy Crandall & Associates in July of 1984, I have been involved in various engineering geology investigations including evaluating the hazard of surface rupture along the Murietta Hot Springs Fault, Riverside County, California, the Little Rock Fault in Palmdale, and the geologic hazard evaluation along the San Gabriel Fault Zone in Castaic, Newhall, and Saugus area of L.A. County. ' Was fascinated to hear that fellow co-hort **Dave Grover** (B.S., 1975) meets many interesting 'entertainment people while inspecting hillside properties' (E&SS Alumni Yearbook, 1984). Most of the people I deal with are engineers who are rarely interesting and never entertaining!"

Frank Leader (M.S., 1978) who appeared on the "lost souls" list last year is a

currently enrolled E&SS graduate student. Another case of the left hand not knowing what the right is doing. Thanks from the left hand to Keith Nakanishi who pointed out the mistake.

Diane Hunter's note from **Hakan Ledje** (M.S., 1978) reads "I'm having a wonderful summer with rain and snow. Will move to Stiinger(?) Norway for some oil prospecting for ESSO. Say hello from me to all the dudes and dudettes." Hakan's address is Bankgatan 13 Str., 223 52 Lund, SWEDEN.

Dieter Karl Letsch (B.S., 1983) was last heard from as a graduate student in the Geology Department of the Colorado School of Mines, Golden, Colorado 80401. His research involved Lower Jurassic carbonates in the north-central High Atlas, Morocco. He documented the depositional and tectonic history of the northern margin of the Jurassic High Atlas trough by detailed field descriptions and reconstruction of the Lower Jurassic stratigraphic sequence. He submitted an abstract on cyclicity in a Lower Jurassic tidal flat section in Morocco for the SEPM annual midyear meeting in Golden, Colorado. He wrote that he planned to graduate last December ('85). Time for an update.

Steven S. Lipshie (M.S., 1974; Ph.D., 1984; Dean of Graduate Students, Emeritus) has succumbed to North Carolina State's pleas for his skills and has accepted another one-year teaching position from them. He will return to UCLA briefly this Fall to lead the Alumni Day 1986 Field trip to what he and Clem Nelson consider "God's Country," the eastern Sierra/White Inyo Range. *Since you're right there, Steve, see if you can persuade Skip Stoddard, Allen Glazner, Warren Wegner, Marlene McCauley and any other of UCLA's southern transplants to report in. If nothing else, if they do their own reporting, it will leave you more time to find out what some of your other contacts are doing. You have always been one of the Newsletter's best stringers. By the way, if you finish up the revisions for the second reprinting of Lipshie's guide to God's Country, it will receive full coverage and advertising herein. People continue to request copies of it.*

Kon-Kee (K.K.) Liu (Ph.D., 1979) is a Senior Research Geochemist in the Institute of Earth Sciences, Academic Sinica, P. O. Box 23-59, Taipei, Taiwan, R.O.C. He was promoted from Associate to Senior in 1984 and is teaching a course on environmental chemistry at National Taiwan University. "When I asked **Bob Eganhouse** (Ph.D., 1982) for advice on this course, he quipped with his letter, 'we are teaching each other's speciality.' He is teaching isotope geochemistry at Boston University. I recently published a paper in *Isotope Geoscience*. **Chi-Ching Liu** (Ph.D., 1985) from David Jackson's group, joined our Institute last June."

M

Carol Mankiewicz (B.S., 1975; M.S., 1980), Department of Geology and

Geophysics, 1215 Dayton Street, University of Wisconsin, Madison, Wisconsin 53706, is working on a Ph.D. thesis on the sedimentology and paleoecology of late Miocene reefs of southeast Spain with an emphasis on calcareous algae.

Bob Countryman reports that **Joe Marquez** (. . . , 19) [*The kids in the front office report that Joe Marquez is not listed among the alumni on the computerized master list, so they weren't able to supply his date of graduation. Another snafu?*] remains with Chevron/Gulf in Bakersfield.

Katherine ("Kata") McCarville's (Weber) (B.S., 1978, Geology) letter of 6 August

85 had so much to offer that it should be reprinted, length to the contrary notwithstanding.

"Dear Vicki:

"Thanks for your help with everything. I hope this means I am now on the mailing list for good. I have felt 'left out' in the past when others I knew kept getting the newsletter, and I didn't.. I did get a note of thanks for my contribution from the Chancellor's office, by the way.

"...Having staffed several newsletters in the past, including a current stint as co-editor of a computer users' group newsletter, I appreciate the level of personal effort involved. My suggestion would be to include a section to help put students or alums who are contemplating grad school in contact with alums who teach at or have attended other schools. For example, I'd be willing to chat with anyone who's looking at the Colorado School of Mines--I know something about who's doing what, how to get around, etc. This seems especially apt while the economy is slow and many of those in geo-positions may be looking at a return to the academic world.

"As to the department itself, I have noted that many people are favorably impressed with my undergraduate background. I feel particularly strongly that my exposure to ideas about plate tectonics was more up-to-date than many of my contemporaries received at other schools. The extensive field training was like a vaccination: while it might have been painful at the time, it lasts forever and rarely fails to impress. The quality of a UCLA degree is also recognized by the Colorado School of Mines. Many entering graduate students spend up to a year in undergraduate classes making up 'deficiencies' while I had only one: surveying. It was obvious that this 'deficiency' was invented so everyone would have one, as even students who had worked as mine surveyors were forced to take the class. (Thanks to the folks at UCLA who choose the curriculum, and to those who work hard to stay current and then expose students to new ideas and concepts. It's working!).

In May of 1985, I finished up my M.Sc. in geology at the Colorado School of Mines. I worked on uranium deposits in the Great Divide Basin in Wyoming, so when I began work in 1980, I was an economic geologist. By the time the thesis was finished, it had become a considerably more academic pursuit. Also in May 1985, I passed an exam and met experience requirements to receive the Certificate in Data Processing. I now have more than five years experience with computers, mostly in scientific and engineering applications. As a senior programmer analyst with Banner Associates, Inc., here in Laramie, I am second in command in the computer service department. We provide computing and others services to about 100 users in the four Banner offices, located in Wyoming, South Dakota, and Colorado. Banner is one of the largest architectural/engineering firms based in the Rocky Mountain region and ranks 331st in the *Engineering News Record* Top 500.

"Now that I have reached a respectable professional level in both disciplines, I am seeking opportunities to use my skills in computing to solve problems in geology. I have begun work on some database

applications, and I suspect that there are many problems in geology to which the computer could be gainfully applied. I invite inquiries from those who may wish to collaborate on problems of this nature, and I can provide some compute power (VAX 11/785) and graphics capability.

"My husband, Jeff, and I long ago realized that we live virtually at the crossroads of the interstate system, nearly at the intersection of I-25 and I-80. Consequently, we have traditionally offered informal couch-and-coffee (our variation on bed-and-breakfast) accommodations, especially to the travel-fast-and-light students set among our acquaintances. I'd like to extend this offer to other UCLA E&SS alums who may be pounding the pavement looking for jobs in the Rocky Mountain region. We also offer encouragement...

"Other alums I know of include **Sharon (Larsen? 1978?) Colbath**, now in Casper, and recently "outplaced" by Gulf; **Shari Wamsley**, 1978, is still in Casper as well. **Steve Muir** (1977?) works for himself, based in Santa Monica, and is doing more than he can handle all over the western U.S. We hope to see him this fall for a little of our famous Wyoming fishing. I believe that **Bob Tucker** may be in Denver working for a big company, but I don't know which one. **Delter Letsch** (graduate after 1980) is working on carbonates with **John Warme** (also formerly at UCLA) at Colorado School of Mines. **Susan Shoemaker** (1979) has been with Anschutz in Denver for some time and has decided to return to school to pursue a master's degree in geophysics at Colorado School of Mines.

"That's all I can think of right now..."

(Kata, you make my job a pleasure!) Kata's address: 5603 Chaparral, Laramie, Wyoming 82070. [P.S.: I can't believe it; I just had to take you off the latest lost-souls list...the last thing to be put together before this Newsletter goes to bed. When will it end??! Kata, you will get this mailing if I have to hand deliver it!...Hummm, that sounds like an interesting idea.]

Kaye R. McCown (B.A., 1955) moved home and office of Kaye R. McCown Operator, Inc. (Registered Geologist, petroleum exploration-development) to Piru, California, in January of 1986. Address: P.O. Box 158, Castaic, California 91310 - 0158, telephone (805) 521-1150.

Thane H. McCulloh (Ph.D., 1952) has not been heard from since he sent a stinging barb to the E&SS Department in April 1985 complaining of mis-addressed communications from us. *[Sorry, Dr. McCulloch. Note the first paragraph of this section. We are still trying to sort these problems out!]* Dr. McCulloh is a geological consultant with Mobil R & D Corp., Dallas Research Lab., 13777 Midway Road, Dallas, Texas 75234. His home address, once again, is 7136 Aberdeen Avenue, Dallas, Texas 75230. He wrote: "I think that a vehicle that keeps Alumni in touch with the University and Department is a highly desirable goal. The first and most critical step is to have a mailing list that is up-to-date and functional. You have not yet succeeded in taking that first step (as illustrated by the enclosure) *[upteenth incorrect address label from Murphy Hall computer]*. I'll support it when you get your act together! Give my best to Takeo and to Ken Watson." *Matters are improving, we now have Ned Swift in the front office, and he has managed to check and cross-reference files to the extent that he has located another 114 listings. My guess is that there should be somewhere around 2000 on that list.*

John T. McGill (B.A., 1943; M.A., 1948; Ph.D., 1951; Staff position at UCLA: Lecturer in Geology, 1948-52; Asst. Research Geologist, 1952-53, working on project for Office of Naval Research under Bill Putnam as Project Chief) lives at 11705 West 24th Place, Lakewood, Colorado 80215. He retired from the U. S. Geological Survey in October 1983 after 30 years of service in the Engineering Geology Branch, including ten years as Branch Chief (1964-74), headquartered at the Denver Federal Center. His principal research has been long-term, detailed studies of landslides, geology, and neotectonics of the Pacific Palisades area, Los Angeles, partly in cooperation with the U.S. Corps. of Engineers. He received the USGS Meritorious Service Award in 1975. In 1976-77 he participated full-time in the Department of the Interior Teton Dam Failure Review Group and co-authored the report of the Geology Task Group, for which he received the Special Achievement Award. Since retirement, he has been working part-time voluntarily for the USGS. He is doing revisions and processing of final manuscripts for publication, among which is a structure-contour map of deformed wave-cut platforms of marine terraces of the Pacific Palisades area. His principal publications include a map of coastal landforms of the world: geographic review (1958), reports for the Office of Naval Research, and landslide maps and geologic maps of the Pacific Palisades area for the USGS. After destroyer duty in the Pacific during World War II, he served in Naval Reserve research groups for 21 years and is presently a Captain, USNR (retired).

Carl V. Mendelson (A.B., Biology, 1976; Ph.D., Geology, 1981) is an Assistant Professor in the Department of Geology at Beloit College, Beloit, Wisconsin 53511. He writes that he is on his "final two-year contract. In two years, I'll be a candidate for tenure." He is continuing work on organic-walled phytoplankton from Oklahoma and Iowa (early Paleozoic) and is also returning to the Precambrian: "Prof. Schopf invited me to be a member of the PPRG-P. I will be haunting the Department halls again from May 1987 to August 1988. I'm looking forward to this extended visit." During the summer of 1985, he was field assistant for wife, Carol Mankiewicz's, research expedition in southeastern Spain. "Last year I reported that I would be eating paella. In reality, I ate enough pork chops and French fries to kill a fast-food junkie."

Dave Miller (Ph.D., 1978) is with the U.S. Geological Survey, 345 Middlefield Road, Menlo Park, California 94025. As of September 1985, he has a two-year appointment as Deputy, Office of Regional Geology, USGS, Reston, Virginia.

Rick Miller (M.S., 1967; Ph.D., 1975) is a Professor in the Department of Geological Science, San Diego State University, San Diego, California 92182. He continues work on Paleozoic conodonts from the southern Great Basin and northern Baja, California, and is co-authoring a text for Historical Geology which will be published in 1986. Rick was elected a Fellow in the GSA. Sweet revenge, Rick writes that he has "the strange experience of reviewing grant proposals and papers from the members of my Ph.D. committee." *Are you still running marathons, Rick?*

Word from **Dave (Duck)** (Ph.D., 1978) and **Nurit (Hildebrand) Middlefehldt**

(Ph.D., 1978) came in the form of a Christmas-card photo of the muddiest, happiest, and most unabashed near-naked children ever seen. *[The day will dawn when, to their horror, their Mother drags this photograph out to show their prospective girlfriends...]* Nurit wrote: "You probably heard somewhere that we are back in the States. Duck is on NCR money at NASA, and I am looking for a job and climbing the walls meantime. As I promised Gerhard [Oertel], I plan to pack the kids and come to LA sometime this year. Hope to see you then. Those "happiness-screaming faces" are Yonatan (muddier shirt), now five years old, and Rafi (muddy face), now three and a half, in their natural habitual environment. They are in day care and have adjusted completely. We will be driving to upstate New York in a few days where I expect to turn into Glida. Have a Merry Xmas and a very happy year, and send some kind of life signal!" Duck and Nurit are living at 535 W. NASA Road 1 #1204A, Webster, Texas 77598.

Gordon T. Moir (Ph.D., 1973) is a Research Supervisor in Exxon Production Research Company, P.O. Box 2189, Houston, Texas 77251-2189. Gordon supervises a group of about 25 professionals engaged in integration of depositional facies and biostratigraphic data from outcrops, cores, well logs and seismic sections into a depositional sequence framework. "**Pete Vail** [*another name not listed on the E&SS alumni master list. When did he graduate?*] amongst others, is associated with the group, which continues to rapidly break new ground in the world of sedimentology/stratigraphy. That is, when we are not burdened down with requests for assistance from our affiliate companies, or rushing off to teach a company school in some remote corner of the world. It's an exciting and stimulating time to be around, despite the uncertainties of oil prices and budgets!" Gordon located Howard Sonneman, Orlando Gonzalez Correa, and Terrance J. Donovan for us by looking on the AAPG membership list. "You might try looking here for some of your other lost souls!" *Right.*

David A. Moore (B.A., 1942) is a consulting geologist, 10707 West Center Avenue, Denver, Colorado 80226. After working for Superior Oil in Bakersfield for six years, he was transferred to become Division Geologist, Northern Rocky Mountains, Casper, Wyoming. He worked for Hancock Oil Company of California for six years and has been consulting since 1957. He moved to Denver in 1967, was President of the Wyoming Geological Association; Vice-President of the Rocky Mountain Section of the AAPG; and councilor on the board of the Rocky Mountain Association of Geologists. In the fall of 1984 he gave a talk to the Wyoming Geological Association "re-describing the Tensleep format in the Big Horn Basin, Wyoming." He was also chairman for the Rocky Mountain Association of Geologists in the House of Delegates of the AAPG in 1982. He sent us a long list of "found" souls. *Thank you very much.*

N

Vicki Hansen (current graduate student, Ernst Group) ran across **Joey Nagel** (B.S.,

1972) while doing some isotope work at the University of British Columbia, where Joey is the Museum Curator and Newsletter Editor[!]. Vicki said they had a very nice lunch at the UBC faculty club while she told Joey about her work in the Yukon and Joey told her about what he is doing at UBC. Joey apparently also has a business putting together and selling educational slide shows. He told Vicki he thought the Joneses might not remember who he was. Not so, and how is Sharon? If you care to commiserate over Newsletters or graphics sometime, Joey... We would love to hear from your, formally or informally.

Keith Nakanishi (Ph.D., 1978), L-205, Lawrence Livermore National Lab., Livermore, California 94550, was too reticent to say anything about his activities on the Newsletter form he sent back, but he located Richard Clymer, Frank Leader, Jose Frez, and Fumiko Tajima for us. Thank you.

Robert M. Norris (Ph.D., 1951) writes from the Department of Geological Sciences at UC Santa Barbara: "Thanks for the recent UCLA Alumni Yearbook. It was fun to read and makes me feel terribly guilty because I am supposed to be doing something of the same sort for our UCSB geology crowd, now, after almost 30 years, about 600-strong. With Bob Webb's passing last year, I guess I am now Department Antiquarian. Or maybe just the department antique. I enclose a photo you may want to use." [*Thank you, Bob. No cando this year. Due to budget and time constraints, no photos. Next year, we'll try.*] All are members of the class of 1943...all perched atop Pisgah Crater in the windy Mojave Desert. Some of your lost souls are known to me: **John C. Ludwick** (B.A., 1957), Inst. Oceanography, Old Dominion Univ., Norfolk, Virginia 23508; **Hollis W. Record** (B.S., 1957), Los Padres National Forest, 6144 Calle Real, Goleta, California 93117; **Robert E. Stevenson** (M.S., 1948), P.O. Box 689, Del Mar, California 92104; and **James W. Valentine** (Ph.D., 1959) is in my department! Address above."

O

Charles W. Orvis (B.A., 1957) has been found in the Army Corps of Engineers, 300 N. Los Angeles, St., Los Angeles, California.

P

Robert H. Paschall (B.A., 1938) of Robert H. Paschall & Associates, 460 Lovella Way, Sacramento, California 95819, returned page 17 of the 1984 Newsletter with everyone from the Class of '38's Randsburg trip identified. "Believe it or not," he writes, "I have this picture in my own photo album." [*No time or money to reprint photos this year. Hopefully next.*]

Dave Pasta (B.A., 1957; M.A., 1958) is a Geological Manager with Texaco Inc., Denver, Colorado. He and his family have been in Denver for approximately eleven years, following several years in Los Angeles and Houston. "The only thing we don't have here is an ocean beach!" Address: 6456 S. Niagara Ct., Englewood, CO. 80111

Rani Pettis (M.S., 1982) and **Steve Richardson** (B.S., 1976) were married in the Bay area in June of 1985.

Jeffrey Richard Perrine (B.S., 1980) is back haunting the halls of Geology as a graduate student.

When Howard G. Dohlen last heard, **Roy Picard** (B.A., 1950) was with Belridge Oil Company, Star Route 400, McKittrick, California 93251.

William J. Pickthorn (M.S., 1982) is a Geologist with the Western Mineral Resources Branch of the USGS (MS41), 345 Middlefield Road, Menlo Park, California 94025. His work telephone is (415) 323-8111, Extension 2789. One of my sleuths (a good journalist never reveals sources) wrote: "Bill Pickthorn has some rather strange friends, no surprise, but at the Orlando GSA meeting, he found a three-foot long alligator gar in his hotel toilet bowl. Beware when sharing a room with him. P.S. You don't know where you got this information!"

Bob Countryman sent word that **Joe Polovina** (M.A., 1980) was last heard of traveling in Alaska. Joe would do anything to get out of cooking the lasagna dinner he owes the Joneses. The last viable address we have for him is on his donation check: 5700 Ming Avenue, Apt. 64, Bakersfield, California 93309.

Bob Presley (Ph.D., 1969) is a Professor of Oceanography at Texas A & M, College Station, Texas 77843. He is continuing work on early diagenesis of sediments and on heavy metal pollution in the marine environment.

R -----

Michael Rabinowitz (Ph.D., Geochemistry, 1974) is an Associate in Neurology at Harvard Medical School. He claims he is doing "more of the same--research on urban geochemistry of heavy metals, mostly children's exposure to Pb." He produced six publications last year in the *Journal of the American Medical Association*, *Arch. Environ Health*, and *Environmental Research*. He is back from visits to Republics of Marshall Islands, Nauru, and Kiribati (ex-Gilbert Islands). His address is: Gardner 601, Children's Hospital, 300 Longwood Avenue, Boston, Massachusetts 02115.

Bob Countryman also added that **Rick Redfern** (M.S., 1977) is working at Homestake Mining in Lead, South Dakota. He and his wife recently had a son (Clayton Elliot). Their address is 872 Main Street, Redwood, South Dakota 57732.

Vesta Redmond, widow of **Charles D. Redmond** (M.S., 1936) sent a clipping from the *Arabian Sun*, October 1976. It reads:

"Annuitant C. David Redmond, former senior paleontologist with the Exploration Department, died on September 3 in California. Mr. Redmond earned both his bachelor's and master's degrees at the University of California at Los Angeles and worked as a micropaleontologist for Union Oil Co. and Superior Oil Co. before entering foreign service with Tropical Oil Co., an affiliate of Standard Oil Company of New Jersey, in Bogota, Columbia, in 1945. Transferring to Aramco in 1950, Mr. Redmond worked in the field of foraminifera and, beginning in 1961, also coordinated palynological and ostracodological studies. He was the Saudi Arabian correspondent for *Micropaleontology*, the journal of the Department of Micropaleontology of the American Museum of Natural History, and wrote three papers on the foraminifera of Saudi Arabia for that publication. He also coauthored a chapter on Saudi Arabian geology in the United States Geological Survey's Professional Paper series. He retired from Aramco in October 1965. Mr. Redmond is survived by his widow, Vesta, and a grown son and daughter. Mrs. Redmond's address is 1135 Ocean View Blvd., Pacific Grove, California 93950."

Harold J. Sullwold and Bob Norris both found **Hollis W. Record** (B.S., 1957) who works for the U.S. Forest Service and lives at 253 Pebble Beach Drive, Goleta, California 93017. Bob Norris gives his business address as Los Padres National Forest, 6144 Calle Real, Goleta, California 93117.

B. Brick Robinson (Bob) (B.A., 1954, M.A., 1955, Geology) is the Vice President, U.S. Frontier/Far East Exploration, Occidental International Exploration & Production Co., 5000 Stockdale Highway, Bakersfield, California 93309. He was promoted from his previous position as Vice President, Exploration and Production, Western Area (California and Alaska) with Cities Service (Occidental Petroleum subsidiary). He writes: (UCLA's strength was strong emphasis of geological, mineralogical, paleontological concepts. The emphasis on field courses was an important part of the program. Continued emphasis on the basic fundamentals of geology will give the petroleum industry renewed confidence in the ability of the graduating student." He lives at 7901 Luces Corta, Bakersfield, California 93309.

S

Leslie Sadler (see Leslie Klinchuch)

Wayne Sawka (M.S., Geochemistry, 1981) is a post-doc at the Department of Geological Sciences, SUNY at Albany, Albany, New York 12222. He finished his Ph.D. at ANU in April of 1985. He and wife, Paula, then spent a couple of months seeing 23 South Pacific islands on their way home to the States. After all the time in Australia, he worries that they are "not too sure how we are going to adjust to a snowy winter in New York. My current work is on some experimental geochemistry (yes, really!) problems as well as finishing up bits and pieces from down under."

In February of 1984, **Paul Schatz** (B.S., 1976, Geology) became a staff geophysicist

at Professional Geophysics, Inc., 14671 Perthshire, Houston Texas 77079.

John Schlue (Ph.D., 1975) from the Department of Geoscience at the New Mexico Institute of Mining and Technology, Socorro, New Mexico 87801, sent addresses for Jose Frez, Richard Clymer, and Fumiko Tajima, but didn't give any news of his own activities.

Ronald Roy Schmidt (Ph.D., 1971) has moved from Alhambra, California, to 1713 Baffin Bay Drive, Plano, Texas 75075 in November of 1985. Mike Binder also lives in Plano, Texas. Ever meet him? Where are you working, Ron?

Keith Scribner (B.S., 1951), 2905 Roanoke Court, Bakersfield, California 93306, is a production engineer on the San Miguel Project for Cities Service Oil and Gas Corp. (subsidiary of Occidental Petroleum). He writes that he will retire from Cities/Oxy in December. His most recent involvements are planning the development of Cities Platform *Julius*, off Santa Maria, and working on Oxy's Pacific Palisades project in the L.A. Basin.

Kenneth Shay (B.S., 1974; DDS, 1982) is a fellow in Geriatric Dentistry at the VA Medical Center, Wood, Wisconsin 53193. He "just bought a house on 2-1/4 acres--can there be any other activities?" The house is at 12123 Lake Shore Drive, Mequon, Wisconsin 53092.

Susan W. Shoemaker (B.S., 1981), 805 Orion Street, Golden, Colorado 80401, (303) 278-3246, is a graduate student in Geophysics at the Colorado School of Mines. She worked for the Anschutz Corp. of Denver for four years as a geophysicist, exploring an area in the Powder River Basin. She was a summer intern with ARCO in Lafayette, Louisiana, during the summer of 85. Her thesis project at CSM (seismic stratigraphy of the Minelusa) is underway with support and data from Anschutz, and she expects to finish in December of 1986.

Dudley R. Slater (B.S., 1980) wrote to Prof. Paul Davis in November of 1985 with the following news: "Currently I don't have my own permanent address as I am in a state of transition. I finished Harvard last June, took several months off to travel, and am now working for Pacific Telecom in Vancouver, Washington. Pacific Telecom is a medium-sized holding company which actively invests in telecommunications and information processing. My personal interest in relocating near my family and my professional interests in finance and applications of electromagnetic wave theory encouraged me to accept this position. I find the industry quite interesting and see many parallels to wave theory and information processing in solid earth geophysics. It is early to form too strong of an opinion regarding my new job, but I am excited to be back in the working world. I must admit, though, I still aggressively tear into the oil and gas journals as I miss parts of that business." Mr. Slater's address is 2810 SW Dellwood Drive, Lake Oswego, Oregon 97034.

Howard S. Sonneman (M.S., 1956) is working for Exxon Co. USA (as is Gordon

Moir, who sent us his address), P.O. Box 4279, Houston, Texas 77001.

Cassius C. Smith (B.S., 1974), 2609 Willena Drive, Huntsville, Alabama 35803, was recently reassigned as a project manager for a software development project in the TRW Defense Systems Group. He is now living in Huntsville, Alabama, with his wife Valerie (nee Parker), son Garrett (five) and daughter Margaret (two). He has been working as a software engineer for TRW for the past seven and a half years. He left the USGS in 1977.

George H. Davis sent in an address for **Daniel Sokol** (. . ., 19) [*Another one who is missing from the official master list*] : 1672 Howard Avenue, San Carlos, California 94070.

Howard S. Sonneman (M.S., 1956) was included in Harold H. Sullwold's list of now longer "lost souls." He is working for Exxon Co., USA, P.O. Box 4279, Houston, Texas 77001.

Harold Keith Stager (B.S., 1948) has moved to 719 DeSoto Drive, Palo Alto, California 94303-2807.

Nancy S. Stehle (M.A., 1965), 6516 Ridge Drive, Bethesda, Maryland 20816, is Deputy Director for Environmental Policy, Office of the Assistant Secretary of the Navy (Shipbuilding and Logistics), Crystal Plaza 5, Washington, DC 20360. She moved to DC from Port Hueneme, California, in 1982 to manage the Navy's natural resources program, moved over to the Secretariat in 1984 to manage natural resources and the environment. She received an MBA from California Lutheran College in 1976.

Parke D. Snavelly, III (B.S., 1975) is a Research Specialist, Exxon Production Research Company, Houston, Texas. He received a Ph.D. from U.C. Santa Cruz. He has been working for Exxon since graduation, primarily on basin analysis, frontier exploration (South America and the Middle East), and regional stratigraphy. "It also looks like I'll be representing Exxon as a recruiter at UCLA this fall. I'm working these days with several old Bruins: **Tod Harding** (B.S., 1951, M.S., 1952), **Flip Koch** (Ph.D., 1983), and Dick George (postdoc, 1979). Also have run into **Conrad McCarthy** (B.S., 1975) and **Scott Fenton** (B.S., 1975) who are working at Shell and Phillips, respectively, and **Sarah Jacobsen** (M.S., 1978) who's now with Sohio." *Please be so kind as to tell old Sarah that Vicki has complained she hasn't been heard from since the days of wine and 'cheawhklet' ice cream. Neither, for that matter has Margaret Saunders.*

Glen R. Stewart (Ph.D., 1982, Geophysics and Space Physics) is an Assistant Research Professor in the Department of Applied Mathematics at the University of Virginia, Charlottesville, Virginia 22901. His position began in the Fall of 1984 but his research interests have recently broadened to include the dynamics of spiral galaxies (in collaboration with Dr. William Roberts at UVA). "I have found that the collisional

dynamics of interstellar clouds in galaxies share many features with my previous studies of Saturn's rings and the origin of the solar system."

Then there is **Harold H. Sullwold** (B.A., 1938) himself, who sent no word of what he has been doing though he located six lost souls. *Thank you, Sully, but the editors et al. look forward to hearing from you, too.* His address is 910 Linden Avenue, Carpinteria, California 93013.

T

Fumiko Tajima (Ph.D., 1976), who is at the Institute for Geophysics of the University of Texas at Austin, 4920 North IH-35, Austin, Texas, was located for us by both John Schlue and Keith Nakanishi.

James B. Taylor (M.A., 1963) is the Vice-president of Colombian Operations for Occidental Oil and Gas Corp., 5000 Stockdale Hwy., Bakersfield, California. He was promoted from V.P. Latin American Exploration to his current position in November of 1984. "Following discovery of Oxy's giant Cano Limon Field in the Colombian Llanos, I was asked to manage project development, based in Bakersfield. This requires about 50 percent of my time in Colombia, where Oxy has about 500 employees in Bogota and the field." He published "Occidental's Cano Limon Discovery in the Llanos of Colombia" in the *S.W. Legal Foundation Proceedings* in 1984. His address is 804 Dos Rios Ct., Bakersfield, California 93309.

Michael A. Tiffany (B.S., 19) [*The official alumni roster, missed you , too, Mike. Are you on the mailing list?*] stopped by the Department in March of 86 and left a card for his new business, "Applied Petrography, Inc., 3435 Artersia Bl., #41, Torrance, California 90504, telephone (213) 327-8879. Steve Lipshie, sleuth extraordinaire, had reported the Mike was doing petrographic analysis of concrete--"finding out why bridges collapse and buildings fall down," as an employee of Osborne Laboratories. If your line of work in your new business is substantially different than what Lipshie reported, Mike, you'd better check in.

Kazue Takahashi (Ph.D., 1983) has left the Los Alamos Labs. for the Applied Physics Laboratory at John Hopkins University, Johns Hopkins Road, Laurel, Maryland 20707.

Mike Binder, in head to head competition with Steve Lipshie for the sleuthing championship, informed us that **Jerome (Jerry) Treiman** (B.S., 1972) made the front page of *The Paper (W. Hollywood)*, October, 1985. It reads:

"Methane explodes under Third Street, gasoline is found seeping up from the ground water under Huntley Drive. Are these freak accidents or is West Hollywood sitting on a geologic time bomb? The odds

heavily favor the accident theory, but almost everyone who has been involved in the response to them will tell you that there is no way to be sure. One source has 'joked half seriously' that the only sure answer is to bulldoze the whole area, dig it up, see what's there, and if it's safe, build a park. Jerome Treiman, a geologist for the California Division of Mines and Geology suggests a less drastic, but less conclusive system. 'Since it is a developed area, you can do single-point drilling. The samples are then logged and a geologist can correlate them and make a fairly good estimate of what's down there...'

Richard S. Tremaine (B.A., 1947) was one of the found souls on David A. Moore's list. His current address is 990 N. Lakeshore Drive, #6, Chicago, Illinois 60611.

V

James W. Valentine (Ph.D., 1959) is a Professor in the Geology Department at UC Santa Barbara. Why he ended up on the "lost souls" list is a mystery and a disgrace, as Harold Sullwold and Bob Norris both pointed out.

W

Paul Merifield brought in the *Association of Engineering Geologists Bulletin*, Vol. XXII, No. 1, 1985 to point out that the AEG selected **Eugene B. Waggoner** (B.A., 1937; M.A., 1939) as its 1984 Honorary Member:

"In creating its Honorary Membership class, on 11 October 1958, the Association chose to singularly recognize individuals '...who have contributed long, distinguished, and outstanding service to the advancement of Engineering Geology....' Our profession has always been in need of this service, for we practice in a particularly broad and difficult area between science and engineering.

"In 1984, we honor Eugene B. (Gene) Waggoner. We honor Gene for many reasons, all of which have, for more than forty years, convincingly demonstrated the place and need of our profession, and in the faces of the most severe critics imaginable. Forty-six years ago, Gene completed his formal professional training at the University of California at Los Angeles...and went to work in the oil fields. Always faced with a desire to work with more immediate and practical aspects of geology, Gene began his career in Engineering Geology in 1945 with the U.S. Bureau of Reclamation.

"Although the Bureau had employed Geologists for more than 20 years, Gene found only a small, full-time geologic staff. Gene arrived at a time at which the Bureau was experimenting with assigning its newly-classified Engineering Geologists to long-term project roles, exploration through design and into construction. Facing up to the specific needs of Civil Engineers for understandable geology, Gene completed his sixteenth year in the profession and felt good about providing a necessary geologic service to engineers. In 1954, he embarked on a personal consulting practice that was so successful that Woodward-Clyde Consultants sought and completed an acquisition and merger with Gene, still in Denver.

"Few people realize that the next 13 years were so productive for Gene. Now in his fourth career phase, he skillfully employed all of the lessons learned from the previous 16 years of practice. Advancement came rapidly in this strongly engineering-oriented consulting form. His final Woodward-Clyde assignment was as President and Chief Executive Officer, from which he retired to a fifth stage of his career in 1973: individual Consulting Engineering Geologist.

"Gene's talent in delivering unerringly accurate geologic expertise in tight packages for Civil Engineers was his first major accomplishment; his management style in consulting, his second. A third trait of merit has been his ability to convince Civil Engineers of the validity of good Engineering Geology. His secret here has been a sincere desire to develop empathy with design engineers who need specific geologic data that they, themselves, cannot provide. This concern for identifying and providing only what is needed eventually earned him so much confidence among his engineering colleagues that he was elected President of the American Consulting Engineers Council, the largest and most prestigious professional organization of engineers in private practice.

"Gene's reputation among attorneys is legendary. It was in expert testimony that he fully developed his consummate skill of translating complex geologic conditions into every man's understanding. His concern for better relationships between parties in construction led to the mid-50's innovation of prebid geologic evaluations for contractors.

"Now, in his forty-fifth year of practice, Gene refuses to turn his back on his clientele, the same clientele that he has cultivated for our profession. His current public service work includes Chairmanship of the U.S. National Committee for Tunneling Technology, Subcommittee on Geologic Site Investigation for Underground Structures, the main effort of which will be a National Research Council publication documenting the cost savings of proper Engineering Geologic site investigations and the blunder-related costs of not having such important data.

"Gene's sincere humor, his outgoing personality, and his genuine sympathy and friendliness for others have generated personal friends and friends in the profession throughout the world. It matters not in whose company Gene operates; he is continually preaching the truth and substance of Engineering Geology. Without doubt, he is one of the world's foremost consulting Engineering Geologists and a brother who has earned respect for our profession around the world."

Glenn Waychunas (Ph.D., 1979) has moved (address compliments of Steve Lipshie, August 1985): 870 Upland Road, Redwood City, California 94062. Telephone (415) 365-4478. Glenn himself reports:

In early 1984, Professor Wayne A. Dollase was my guest at Stanford. Wayne worked on a series of powder-diffraction programs that he had begun at SUNY Stonybrook during the first part of his sabbatical. It was refreshing to have Wayne around as a person who understood the intricacies of diffraction theory and crystallographic instrumentation. Wayne's stay also led to the submission of a proposal to the synchrotron radiation laboratory (SSRL) for the investigation of cation ordering in pyroxenes utilizing the new structural technique of EXAFS spectroscopy. I also hope to collaborate further with Wayne on powder diffraction analysis and technique, as we are both involved in upgrading our current laboratories in this regard. In 1984, I submitted eight papers mainly dealing with the EXAFS studies our group has been pursuing in the characterization of amorphous materials, aluminosilicate glasses, geochemical transition metal complexes in aqueous solutions and the site occupations of minor elements in silicate crystals. Our laboratory computer system is being enhanced by the addition of a VAX 11/750 system, assisted by a sizeable grant from Digital Equipment Corporation; and work continues on the development of facilities for the direct study of silicate metals at high temperatures by X-ray scattering methods. In a different vein, some research work was completed on a forthcoming paper: 'The wire theory of Cat Behavior' which is due to be submitted to the *Journal of Irreproducible Results* after rejection from the lesser journals *Science* and *Nature*. I should report that, given these days of high attention to laboratory animal rights, very few cats [last heard, Glenn was catering to the importunate demands of three felines] were subject to hideous tortures and painful deaths in these studies. Besides traveling to the British Isles for a month vacation, I was also able to visit Warren and Judy Wegner and Steve Lipshie on a brief trip to North Carolina. Warren is still hawking books, while Judy is making plans to reorganize the Law School at UNC where she is a Professor. Lipshie has impressed everyone at NC State with his teaching talent and patient personality,

but has his eyes on a job in the West. Some department is going to get a real 'strike' when they hire Steven. Lastly, there is absolutely no truth to the rumor that John Barron and I are becoming real estate tycoons in the Bay Area."

Glenn, by the way, is now Director of the X-ray Laboratory Center for Materials Research at Stanford University, Stanford, California 94305.

David L. Weide (Ah, David L. Weide, but that is another story) has not been heard from since his 5 April 1985 letter. He has, of course, been heard about: his surprise half century (sorry, Dave) birthday being announced to and attended by the creme de la creme of rock society, much to his chagrin, I hear. He and Roy Copp have apparently never settled their feud over the Siddley Sparrow Mark II Saloon, as indicated in the following quote from his letter:

"I must protest! (see attached from Alumni Yearbook, 1984, page 45). Of course Mr. Roy Copp no longer owns the Siddley. He never finished paying me for it (in fact, making only 2-1/2 of 480 payments)...thus, regretfully, I had to repossess it!! This unfortunate, in fact, distasteful, incident occurred over 20 months ago. Ah, well, it only went to prove, as Professor Watson well knows...Roy Copp is, indeed, an *[Oh, dear, should this be printed? Well, if it was good enough for the Montreal Gazette, who are we to argue..."asshole*! Note however, that my protestations are tempered with the liberal munificence that is my stock-in-trade. *[A fat cheque for the UCLA Foundation, Earth and Space Sciences was enclosed and accepted despite all efforts to disclaim D. Weide as our student.]* Why, I don't know, especially since I was NOT NOTIFIED about Mr. Lapin's retirement dinner! I would have attended had the highly touted UCLA Information Systems: Applied and Extended (INSANE) done its job! In the future kindly eschew such sins of omission and commission (realizing, of course, the latter is beyond your ken) *[little does he know...]*. Cordially, David L. Weide ('58), Associate Professor, Geology.

Dave, in case anybody cares, is still at the University of Nevada, Las Vegas, 4505 Maryland Parkway, Las Vegas, Nevada 89154.) *Professor Weide, at the risk of libel (or is it slander?): you, Sir, are a scoundrel: On the bottom of the 5 Apr 85 letter, you wrote: "Red Hot Info. to Follow! Real dynamite fun next year!" Well??? If it's good enough, the editor might even keep her job--or, better yet, lose it! What is it?*

James Jerome Williams (M.A., 1957) is with ISRAMCO, Inc., P.O. Box 1416, Breckenridge, Colorado 80424 (address compliments of Harold H. Sullwold).

John Willott (B.S., Geology, 1969) is, according to Carl A. Evans, "alive and well in Denver. His address: Exxon Co., USA, P.O. Box 120, Denver Colorado 80110."

Patricia Barber Worth (B.S., 1944) lives at 1650 Glenview Rd. 77-F, Seal Beach, California 90740. She is retired and is concentrating on her hobby, Chinese jade.

Charles R. Wright, D.C. (A.B., Zoology, minor in Paleontology, 1939), is a doctor of chiropractic with a D.C. degree from Lincoln Chiropractic College. He is a member of the Geological Society of America; the American Civil Defense Association; and the Water Jet Technology Association. "My connection with the latter two associations is due to my interest in Underground Space Research and Development for civil defense

and military purposes, and also for promoting facilities for an underground museum of natural history and science. I have continued to follow my interest in zoology and paleontology through study and collecting." Address: 1502 Jensen Avenue, Sanger, California 93657.

Z

Stacey Zeck (B.S., 1985) is going to school at U.C. Santa Barbara between trips home to Alaska. Her address is 6681 Berkshire Terrace, #6, Goleta, California 93117, (805) 685-6469. Karen McBride relates some of Stacey's European field season plans, but Stacey has yet to write what she's actually doing. Equally recalcitrant is her father **Wayne Zeck** (Ph.D., 1982).

More Lost Souls (Sigh!)

Thanks to help from the readership we have found about a hundred lost lambs from last year's list, but Ned keeps finding more for us to work on. If you know the whereabouts of any of these, please let us know

ABEL, MR. CHARLES E. '33
 ADAMS, SCOTT '77
 AHMED, ELANG ELHADI ALI '65
 AITKEN, DR. JAMES DRYNAN '54
 ALLEN, MR. HARRY BERKLEY '39
 AMELIN, MR. DOUGLAS F. '28
 ANDERSON, MR. H. CLIFF '40
 ANDERSON, MR. RICHARD T. '60
 ANDERSON, MR. THOMAS I. '51
 ANDERSON, COLLIN '41
 ANDERTON, DAVID OWEN '80
 APTED, MICHAEL JOHN '80
 ARTHUR, CARLENE WYNNE '71
 ASHER, STEPHEN W '66
 ASIHENE, EDMUND B. '66
 ATLURI, CHARDRASEKRA '65
 BABCOCK, MR. JAMES M. '61
 BADGER, ROBYN LUCAS '58
 BAKER, DAVID W '69
 BARANYI, MR. THOMAS Z. '59
 BARCA, RICHARD A '57
 BARKER, PHILIP L. '67
 BARRACLOUGH, MR. BRUCE LEE '83
 BARRETT, MR. WESLEY F. '55
 BARTOW, JOHN ALAN '64
 BASS, RALPH OSWALD '60
 BATENHORST, RICHARD DAVID '79
 BECKES, ROBERT EUGENE '58
 BEKEY, MR. THOMAS J. '60
 BELL, VIRGIL A '61
 BENNETT, EDWIN B. '31
 BENSON, G. '70
 BERRY, AUBREY L. '31
 BISSIRI, DAVID JOHN '86
 BLACIC, MS. JAN MARIE '71
 BLACKIE, RICHARD ALAN '53
 BRAGHIERI, MR. PAOLO '64
 BROOKS, MR. THOMAS SHERIDAN '81
 BRYANT, DONALD LEON '42
 BUCHOLZ, THOMAS T. '58
 BUCK, MR. DONALD L. '59
 BUDD, SCOTT CHARLES '78
 BUES, STANLEY S. '63
 BUISING, ANNA VALETTA '83
 BURGESS, RICHARD ALLAN '61
 BURNETT, MR. STANLEY R. '57
 BURNS, ROBERT S '57
 BURTON, WILLIAM DUNN '63
 BUTLER, ROBERT W '64
 CAMERON, MR. RICHARD DOUGLAS '66
 CANFIELD, CHARLES R. '29
 CARNEGIE, VINCENT JOHN '82
 CARPENTER, EDWARD JOHN '74
 CASSI, MR. ROBERT G. '58
 CHAMBERS, STEVEN RALPH '84
 CHARLTON, MR. RICHARD '50
 CHARNEY, MR. N.W. '48
 CHAUVEL, JEAN PAUL '58
 CHILDERS, DONALD DUANE '79
 CILWECK, BLASE ANTHONY '58
 CLAEYS, RONALD P. '83
 CLARKE, MR. JOHN '58
 CLAWS, MR. FLOYD J '56
 COLE, MR. JAMES C. '60
 CONELY, MR. CAROLYN LEE '78
 CONWAY, TERESA MARIE '82
 COOPER, MR. JESSE F. '52
 COREY, WILLIAM H. '26
 COURTRIGHT, IVAN A '58
 COWAN, A. GORDON '50
 CRACKEL, VERNER L. '50
 CRAWFORD, KENNETH EDGAR '75
 CRIPPEN, LAWRENCE CHARLES '65
 CROSS, BARTON KELBY '52
 CYNN, HYUN CHAE '85
 CZEL, LOUIS JOSEPH '58
 DAILEY, DONALD HOWARD '60
 DASKIN, JONATHAN '84
 DAVIS, WILLIAM MORGAN '62
 DAVISON, MR. JAMES ROBERT '77
 DE QUADROS, ANTONIO MELICIO '68
 DELAHAUT, DEAN WARREN '86
 DELASSO, RICHARD L. '56
 DEVERE, BETRAM E. '28
 DEWIRE, WILLIAM A. '25
 DIAMOND, ANDREW JEFFREY '78
 DINAUER, JEFFREY HOLLIS '73
 DOBBS, PHILLIP H. '55
 DOBSON, CHARLES V. '57
 DOLLINGER, DR. GERALD LEE '78
 DONLON, THOMAS W. '36
 DONOVAN, TERENCE JOAN '72
 DUGGAN, MR. MICHAEL D. '61
 DUNFIELD, ROBERT T. '56
 DUNLAP, MR. JOHN THEODORE '49
 EAGLE, ALBERT LOUIS '59
 EAKIN, THOMAS E. '41
 EASTWOOD, ALAN CHARLES '70
 EBAUGH, ROBERT M. '28
 EBERT, EARL S. '32
 EDWARDS, THOMAS A '50
 ELACHI, CHARLES '83
 ELLSWORTH, MR. GREGORY '75
 ENGEL, MS. CELESTE G. '57
 ENGEL, LINDA SKIDEL '70
 ERION, RICHARD L. '34
 EVANS, DR. JAMES GEORGE '67
 FALCK, ARNOLD '56
 FAN, DR. ROBERT JUI LIN '77
 FARQUHAR, SCOT PAUL '82
 FEHR, U. '66
 FISHER, MRS. MARION MILLER '74
 FLEISCHMAN, STANLEY '52
 FOSTER, MR. LEROY E. '57
 FOUDA, DR. AHMED ALI '73
 FRANK, RONALD ENGEL '71
 FREDERICKS, MR. JOHN CHARLES '42
 GALAY, MR. AMOS '58
 GALLAGHER, MS. MARTHA '47
 GEGORY, MR. ROBERT F. '47
 GERGEN, LESLIE DICKSON '85
 GETTING, IVAN CRAIG '63
 GYLS, MR. MERLE RICHARD '42
 GILBERT, ORRIN WILFRED '44
 GINGELL, THOMAS WILLIAM '76
 GOLDBERG, MR. JAMES '40
 GORDON, CHARLES EDWARD '74
 GORIAN, MR. GERALD '53
 GORODETSKY, MICHEL '62
 GRAHAM, MR. DAVID H. '38
 GRIESEDIECK, ALVIN F. '43
 GRIFFIN, PATRICK GEORGE '84
 GRIFFIN, WILLIAM A '39
 GRIFFITH, MR. HENRY M. '32
 GRIMES, MR. ROBERT A. '47
 GRITSEFF, MR. ALEX '51
 GROFF, JOHN KENNETH '70
 GUNNERSON, CHARLES GILBERT '47
 GUNTHER, RICHARD LEROY '76
 GUTTER, MR. OTTIS DON '54
 GUYNES, MR. GEORGE '59
 HALL, CHARLES E '49
 HANSON, MR. BRUCE A. '53
 HARNISH, MR. DAVID EMMANUEL '82
 HARRIS, MR. HERBERT '50
 HARRIS, WALTER STEPHAN '58
 HART, MR. ROBERT LOUIS '67
 HARTMAN, DONALD CARL '54
 HAW, MR. BRUCE '51
 HAYWARD, KIRK WESLEY '81
 HAZEN, RICHARD STEWART '83
 HEEBOM, MR. CHARLES PATRICK '84
 HELLAND, MR. KIRK WILLIAM '83
 HEMBORG, MR. THOMAS HAROLD '66
 HENRICKSON, REX '50
 HENRY, MR. RICHARD '57
 HESSOM, CHARLES PATRICK '84
 HETHERINGTON, GEORGE EDWARD '57
 HILDEBRAND-MITTFEHEIDT, NIRUIT '78
 HILL, MR. HAROLD E. '42
 HOADLEY, FLOYD '50
 HOCHSTRASSER, KAREN R '76
 HOOD, RUSSELL G '53
 HOPE, DR. ROBERT '66
 HORTON, ELIZABETH '78
 HOUSKA, JOSEF DENIS '82
 HOUTMAN, MR. & MRS. BAUKE HARRY '75
 HOWARD, EIRWIN V '40
 HOYLMAN, EDWARD W '74
 HUGHES, DONALD RUSH '59
 HUMPHREY, DR. FRED L. '56
 IMNEN, MR. STEVEN MARK '78
 IQBAL, MIR WA '63
 IRVING, MR. EARL M. '35
 JACKSON, EVERETT DALE '60
 JACOBSON, MISS SARA SUE '77
 JOHNSON, DR. & MRS. STUART R. '66
 JORDAN, JOHN T '38
 JORNS, ROBERT P '34
 KARFUNKEL, MR. C. '57
 KARPINSKI, ANTHONY LEON '63
 KASTEL, MR. DEAN PAUL '57
 KAUSHAL, DR. SUSHIL KUMAR '69
 KAYE, STANLEY MARTIN '79
 KELLY, ROBERT B '39
 KETTENRING, DR. KENNETH NORMAN '8
 KETTLER, RICHARD MARK '82
 KHAN, IBRAHIM ALI '71
 KIM, DAVID KEVHYUN '82
 KINGSTON, JOHN DRYDEN '80
 KINZLE, MR. DOUGLAS CHRISTIAN '69
 KNEEMEYER, MR. JOHN A. '58
 KNEISEL, ROBERT PRENTICE '68
 KNOX, MR. LOUIS C. '40
 KONIGSMARK, T.A. '56
 KOPEL, MR. JERRY HARRIS '68
 KOVINICK, MARK G '56
 KRAUSE, ROBERT '85
 KRONENBERG, MR. ANDREAS K. '77
 KUNYOSHI, SHINGI '72 PHD
 KUNZ, MS. ALBERTA '44
 KUQ, C.L. '69
 KUTCHINS, MR. GILBERT '54
 LAGASSE, FRANCIS HAROLD '32
 LAIRD, BRIEN ANDREW '83
 LANDRY, JOHN JOSEPH '54
 LANGER, WARREN '51
 LAPENSEE, EARL FRANCIS '83
 LARSON, DR. ALLAN R. '62
 LARSON, SHARON KAY '78
 LAWSON, MR. WAYNE J. '50
 LEARD, MR. ROBERT '40
 LENEMAN, MICHAEL '71
 LEW, MS. ALICE '81
 LEWIS, MR. R.R. '69
 LIN, J.H. '74

- LINN, MR. ROBERT KEN '55
 LITTSCHWAGER, W.D. '58
 LIU, CHI-CHING '85
 LLOYD, MR. GEORGE P. '59
 LOO, MR. FRED '54
 LOVERSEN, ROBERT I '47
 LUSK, MR. HARRY W. '49
 LYON, MR. DONALD W. '57
 MAC IVOR, MR. KEITH '56
 MAC KENZIE, MR. DONALD J. '76
 MAC MURPHY, F. '28
 MACURA, MR. DANIEL '60
 MADLAND, LEE GRISWALD '70
 MANN, MR. HERBERT N. '50
 MAO, THOMAS L.-PEN '84
 MARINCOVICH, LOUIE '66
 MARTIN, ROGER A. '64
 MARZOLF, JOHN EDWARD '70
 MATTHEWS, DR. JERRY LEE '66
 McALEAVEY, MR. GEORGE '31
 McCOARD, DAVID C '70
 McCULLOGH, MR. THOMAS '57
 McDONALD, ELIZABETH ROBBINS '79
 McGOEY, SEAN OMEARA '83
 McGRIFFIN, MR. KENNETH '50
 MCCORMICK, JOHN WILSON '77
 McJANNET, GEORGE STANLEY '57
 McKENZIE, MR. CHARLES STUART '70
 MEARNS, MR. RONALD '58
 MILFORD, JOHN CALVERLEY '1
 MILLHAUSER, MR. JAMES D. '47
 MITCHEL, DR. ROBERT GORDON '77
 MOLLOY, ROBERT G '66
 MONTGOMERY, MR. JAMES FRANK '60
 MORA, MR. A. ROLAND '83
 MORTON, DOUGLAS M '66
 MUFF, MR. TOM C. '32
 MURADIAN, MS. LYNN MOSBAEK '83
 NAFIS, FREDERICK W '79
 NAKAKI, THOMAS '84
 NAVARONA, MARTA '1
 NELSON, MR. WILLARD T. '57
 NICHOLSON, MURDOCK ALLEN '54
 NOBLE, MR. RICHARD '49
 NORMAN, JAMES COURTNEY '74
 NORTHRUP, MR. EDWARD J. '56
 NOVOTNY, MR. JAMES R. '55
 NOWLIN, PHILOMENA '71
 NYLAND, EDO '70
 OJEDA, LUIS '54
 OKUDA, RONALD DEAN '81
 OLSON, JOHN VIRGIL '63
 GOODRICH, MR. JAMES A. '73
 OSEGUERA, MR. ALFONSO '65
 PAGE, MR. GORDON '50
 PAGE, MR. OLIVER S. '63
 PARIS, MR. OLIVER S. '33
 PARKS, MR. BRIAN DEAN '59
 PASSARINI, JOSEPH MERVIN '38
 PATCHICK, PAUL FRANCIS '53
 PATTERSON, MR. ROBERT O. '47
 PETTIT, RONALD O '54
 PHILLIPSBORN, MR. F. RONALD '63
 PLAYER, MR. GARY F. '67
 POPENOE, MR. FRANK W. '60
 POWER, WILLIAM CARLISLE '86
 PRESTON, MR. DONALD '52
 PRYER, MR. STERLING '58
 QUADROS, ANTONIO MELICIO DE '68
 RAMMELKAND, MR. JAMES '54
 REDWINE, LOWELL EDWARD '72
 REED, MR. GEORGE F. '37
 REED, MR. JOHN J. '44
 REED, MR. WALLACE '58
 REID, JOHN W '47
 REINEN, ELIZABETH HELEN '79
 REMENYI, MIKLOS T. '66
 REMINGTON, S.M. '52
 REMSBURG, MR. JOHN C. '32
 RENKE, DANIEL FELIX '57
 RICHTER, JEAN MARIE '85
 RING, MS. CONSTANCE '57
 ROBINSON, MARK CLINTON '78
 ROBIQOU, VERONIQUE '84
 ROOHI, MEHRANGIZ P '68
 ROSE, DONALD CHARLES '59
 ROTH, LADISLAV '75
 RYALS, MR. WILLIAM '47
 SAMPLE, MR. DONALD R. '57
 SAMS, MR. RICHARD H. '64
 SANSSEL, HOWARD SWINHWART '51
 SAVASO, JUDITH ANN '79
 SCHIMMELMANN, ARNDT '85
 SCHMIDT, MR. CHRISTIAN '56
 SCHMUS, WILLIAM RANDALL '64
 SCHNABEL, THOMAS RICHARD '86
 SCHROEDER, LEW GILLIAM '52
 SCOTT, DAVID HOLCOMB '69
 SCOTT, JOHN DOUGLAS '65
 SCUPP, MR. ROBERT D. '50
 SEUTTER, ANDREW EDWARD '82
 SHELTON, RICHARD C '41
 SHERIFF, ABDUL M H '64
 SHMERLING, RONALD '75
 SIDERS, FLOYD MELVIN '59
 SIERVELD, MR. FRED GROVE '57
 SLAVIN, DR. JAMES ARTHUR '78
 SMITH, MR. GERALD LEWIS '71
 SMITH, ROBERT WILLIAM '82
 SMITH, RUSSELL RAY '1
 SMITH, VICTOR MACKUSICK '51
 SMITH, TODD STUART '85
 SMITH, LAWRENCE E '42
 SONES, PAUL ROBERTS '82
 STANLEY, KENNETH OLIVER '66
 STARK, MR. JAMES D. '58
 STEARNS, LAURENCE EDWIN '68
 STETLER, CHARLES FREDERICK '75
 STEWARD, MR. RICHARD D. '49
 STONE, ROBERT '55
 STOTTS, JOHN LOUIS '59
 STOWELL, MR. RICHARD D. '48
 SUNDARARAMAN, NARASIMHAM '69
 SUNG, MR. LI-YU '82
 SURANY, ANDREW PHILIPS '80
 SUTHERLAND, JANE LOUISE '84
 TABACHNICK, RACHEL ANN '81
 TANNER, MR. JOHN PAUL '55
 TEMPLE, BARRY MARTIN '82
 THOEMMES, MR. RALPH J. '55
 THOMPSON, TIMOTHY JAMES '1
 TOSAYA, MS. CAROL ANN '75
 TRUJILLO, ERNEST FLOYD '58
 TURNER, NEIL LEE '60
 ULREY, RAY R '35
 UNHER, ELLEN SUE '82
 UREN, MR. EDWARD '52
 VAUGHAN, PETER JAMES '73
 VILLANUEVA, MR. R. JULIO '64
 VIND, MR. EUGENE '53
 WACKER, CHARLES H. III '77
 WALKER, JOHN WILLIAM RICHARD '61
 WAMSLEY, SHARI LYNN '78
 WARDENAAR, SUZANNE '73
 WARK, MR. JOHN J. '29
 WEIR, GORDON WHITNEY '47
 WEISSBERG, BYRON GOODSPEED '64
 WELLS, MR. ROBERT J. '34
 WELLS, CATHLEEN '68
 WILLIAMS, MR. & MRS. NATHAN A. '35
 WILLOTT, JOHN ANDERSON '70
 WILSON, MR. GEORGE M. '53
 WILSON, MR. JAMES '61
 WILSON, WES '76
 WINSLOW, JOHN D '49
 WINTER, THOMAS C '66
 WIRE, JEREMY CROSBY '61
 WITUCKI, MR. GERALD S. '60
 WRIGHT, MR. VICTOR LEE '55
 WYATT, GLEN MILTON '77
 YANG, WEI-LIANG WILLIAM '85
 YOUNG, MR. ERNEST GEORGE '42
 YOUNG, MR. WILLIAM BICKNELL '53
 YOUNG, JEAN T '79
 YOUNKIN, ROBERT '70
 ZARRABI, KAMBIZ '60
 ZELLER, ROBERT ALLEN, JR '58
 ZINNER, RONALD ERIC '1
 ZIPPERMAN, JACK '36
 ZUMSTEG, MR. HOWARD OLIVER '66



UCLA EARTH AND SPACE SCIENCES ALUMNI

Name: _____

Address: _____

UCLA Degree(s) and date(s):

Present position, company or institution, address:

Recently transferred? Promoted? Retired?

Professional and other activities (degrees from other schools, current work, research studies, awards, publications, offices in professional societies).

News, addresses of other alumni, other information:

Dear Alumni:

You can help us to improve the Department of Earth and Space Sciences. The questionnaire on the back side of this page is set up as a self-mailer (we pay the postage—please make sure to staple or tape it closed). Your responses may be as short or as lengthy as you wish. We are interested in anything you think may be relevant.

If you have questions or additional comments, please feel free to telephone the Department or leave a message for the Newsletter Editor in the Departmental Office (213) 825-3880.

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