

# Newsletter



### **About this Newsletter:**

As some of you know, our long-term Newsletter Editor, Vicki Doyle-Jones, has left the Department after many years of dedicated service. Please join us in wishing Vicki the best in her new position as assistant to Clarence Hall in the office of the White Mountain Research Station.

The new editors thank those of you who responded to the request last year for information about yourselves and other alumni, and we hope to receive more news from you and others this year.

# UNIVERSITY OF CALIFORNIA, LOS ANGELES

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SANTA BARBARA • SANTA CRUZ

DEPARTMENT OF EARTH AND SPACE SCIENCES  
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LOS ANGELES, CALIFORNIA 90024 -1567

(213) 825-1475

September 10, 1987

Dear Friends:

I have been Chairman of Earth & Space Sciences for a little more than two months as of this writing. I moved to UCLA from Penn State in 1976, the year that this Department was created from the merger of Geology and Geophysics & Space Physics. Clarence Hall was the first Chair; he was succeeded by Gary Ernst, Bill Kaula, and Margaret Kivelson. Clarence is now Dean of Physical Sciences, and he is the one who put the pressure on me to accept the chairmanship.

I have always been impressed that Clarence, Gary, Bill, and Margaret not only kept up with their science during their tenures as Chairs but maintained their roles as leaders in their fields. These are tough acts to follow, and it is no wonder that July brought me little sleep. Now, my concerns are rechanneled toward the many exciting things happening in our Department, and this is what I want to share with you.

The makeup of our faculty is changing, in part because of the pending retirements of Professors Carlisle, Oertel, and Rosenfeld in 1989, 1990, and 1991, respectively, coupled with the phased retirement of Professor Nelson beginning last year and that of Professor Kaplan beginning in November. I want to impress upon you that these gentlemen continue to be active in teaching, research, and University service, but we must look forward.

Last year we were successful in recruiting a very distinguished paleontologist, Dr. Bruce Runnegar of the University of New England, Australia. Bruce is on board this month, and we are excited about this significant infusion of talent into our paleontological group. We have extended an offer to an internationally known microbiologist to further enhance this group, and we are confident that we will succeed again.

I am very pleased to tell you that we have also recruited Dr. An Yin as an Assistant Professor of structural geology and tectonics. An just received his Ph.D. degree from USC, with Greg Davis as his advisor. He mapped the complex structures of the Lewis allochthon in Glacier Park, and areas of low-angle normal faulting in the Whipple Mountains of southern California. An has a strong background in math and rock mechanics, and he has a rare talent of combining mathematical modelling, theoretical structural geology, and field geology. He will teach undergraduate structural geology this fall.

We are also recruiting to fill three faculty positions in geochemistry, at least two of which will be in isotope geochemistry. This will partly reduce the impact of Prof. Kaplan's phased retirement and help us to retain our eminence in this area.

Professor Bill Kaula returns to our Department after serving three years as Director of the U.S. Geodetic Survey in Washington. It has been a good year for Bill; he was elected to the National Academy of Sciences, and he received the Whitten Medal from the American Geophysical Union.

The Rubey Colloquium this academic year is "Stable Isotopic Approaches to the Prehistoric Human Condition: Paleodiet and Paleoclimate," which is being organized by Professor DeNiro. This interdisciplinary course, presented by a cast of American and international scholars, will be on March 18 & 19, 1988.

This year that we were very successful in recruiting many excellent candidates for our graduate programs. We now have a larger number of graduate and undergraduate students than in recent years, all of them far above average. Concomitantly, there is less federal funding *per capita* for research, and we are more heavily dependent on other sources of support.

This Department is fortunate to have an outstanding staff to support our faculty and students. This year, Helen Day in accounting and David Winter in spectrometry won Special Performance Awards from UCLA. Because of the increased number of faculty, we hired Maureen Gant to assist Diane Hunter and Helen in accounting.

One of the purposes of this newsletter is to announce the Fourth Alumni Reunion this November. On Friday the 13th, we will host an open house, with particular emphasis on our undergraduate field geophysics program--how it integrates with geological and geophysical education, and future plans. Professors Dave Jackson and Paul Davis will ramrod this event, which will include a slide show and demonstrations of equipment, including computers. In addition, David Paige, whom we recruited last year as an Assistant Professor of Planetary Science, will guide us through his new planetary remote-sensing laboratory. That evening, we have scheduled a nice dinner at the Faculty Center, highlighted by an after-dinner talk by Professor John Crowell of the University of California, Santa Barbara, one of our most illustrious alumni and a gifted speaker.

To continue the tradition, Saturday will be devoted to football; this year the game is the UCLA Bruins vs. the Washington Huskies, which could determine who represents PAC 10 at the Rose Bowl game.

On Sunday, Professor Ray Ingersoll will lead a field trip to the Soledad Basin and to the Santa Monica Mountains. Ray's trip will consider depositional processes and the interaction between these processes and the tectonic development of the Soledad and Los Angeles basins.

Before I sign off, let me acknowledge the hard work of Joy Wurdeman, Ned Swift, Spring Verity, and John Christie in putting together this newsletter.

Here we are--at the bottom line. All of this activity in our Department requires your support and backing. Demonstrate your interest in us by participating in this Alumni Reunion. Show your support by sending your contributions to our UCLA Foundation (Earth & Space Sciences). We really do rely on your assistance.

Until November,

Best regards,

A handwritten signature in cursive script that reads "Art Montana". The signature is written in dark ink and is positioned above the printed name.

Art Montana, Chairman

*You are Cordially Invited to Attend the  
Fourth Annual Alumni Reunion Weekend  
November 13-15, 1987*

**FRIDAY 13 NOVEMBER, OPEN HOUSE AND DINNER**

Registration and the open house begin at 1:30 pm in room 3820 Geology. Between 3:00 pm and 4:00 pm there will be a demonstration centered on exploration geophysics. (If you would be interested in sharing something with your colleagues, we encourage you to please call Ned Swift, (213) 825-3880, to make arrangements.)

Happy hour will be at 5:00 pm, followed by dinner at 7:00 pm. With great pleasure, we announce that our keynote speaker following dinner will be **John Crowell**, the second Ph.D. in geology awarded at UCLA.

John is an internationally known sedimentologist, glacial geologist and regional tectonician whose research has taken him around the world many times. A specialist in the depositional and structural history of the San Andreas and other intracontinental transcurrent fault zones, he recognized the pull-apart nature of Cenozoic Basins in southern and central California and the diagnostic features of southern hemispheric Gondwana and Precambrian glaciations, and he was a paleoclimatologic pioneer and early continental drifter. A member of the National Academy of Sciences, he is widely sought out for scientific advice by oil companies and governmental agencies alike.

His talk will be entitled "**The Education of an Earth Scientist Over 50 Years**," and will outline both national and international trends. He will reflect on the history and place of UCLA through time as he has experienced it and as he has observed it since moving to Santa Barbara.

**SATURDAY 14 NOVEMBER, UCLA-WASHINGTON FOOTBALL GAME**

This could very well be a decisive game in UCLA's Rose Bowl bid. Washington is ranked in the top 15 teams nationally, and this year the teams go in with their records in play against each other tied at 23-23-2. We will transport you to and from the game and provide lunch. (The exact departure time will depend on when the game starts, which is tentative due to television.)

**SUNDAY 15 NOVEMBER, FIELD TRIP TO SOLEDAD BASIN**

Professor Ray Ingersoll will lead a field trip to the Soledad Basin and the Santa Monica Mountains. Emphasis will be on the Vasquez Formation of the Soledad Basin (see GSA Bulletin, v. 98, p. 647-663 [1987]) and the Oligocene/Miocene units of the Santa Monica Mountains. Depositional environments represented include alluvial-fan, fluvial, nearshore, shelf, slope and turbidite-fan. The interplay of tectonic development of the Soledad and Los Angeles basins with depositional processes will be illustrated. A full day is planned, with departure from UCLA promptly at 8:00 am; lunch will be provided and the group will return after dark, approximately 7:00 pm. Short hikes on moderate terrain are planned.

*Please submit registration form below to Ned Swift, Earth & Space Sciences, 3806 Geology, UCLA, Los Angeles, CA 90024-1567. Make checks payable to Regents of U.C.*

Day	Date	Description	Cost	Persons	Amount
Friday	13 November	Dinner at Faculty Center	\$25.00 x	_____	= _____
Saturday	14 November	UCLA-WASHINGTON Football; Lunch & Transportation	\$25.00 x	_____	= _____
Sunday	15 November	Field Trip to Soledad Basin Lunch & Transportation	\$25.00 x	_____	= _____
Contribution to a Student Dinner					= _____
<b>TOTAL</b>					= _____

# E & SS Benefactors

1986-87

## General Fund

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## Funds in Honor of Paul Bateman

Paul Bateman, born in Webster Groves, Missouri in 1910, received his A.B. at UCLA in 1936 and his Ph.D. in 1958. He joined the U.S. Geological Survey in 1942 as a career scientist and worked for the Survey until he retired in 1986. Specializing in the structure, petrogenesis and evolution of granitic batholiths of the circum-Pacific, Paul is indeed "Mr. Sierra Nevada," having mapped these important continental margin rocks up and down the length and breadth of the State and adjacent regions for more than forty years.

This fund, set up on his retirement, signals a lifetime of achievement. Dr. Bateman has requested that the proceeds be used for field-oriented studies. Those wishing to donate may make checks payable to the UCLA Foundation, E&SS, with a note stating that funds are in honor of Paul Bateman.

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 Warren E. Yeend



## Kenneth D. Watson Memorial Scholarship Fund

Mary and Ken Watson's three children (Douglas, Rita and Marsha) asked that there be a Ken Watson Memorial Scholarship Fund. Interest from this fund supports 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 that Prof. Watson contributed significantly to the growth and development of Dome Mines Ltd. and its subsidiaries.

- Ram and Elizabeth Alkaly
- Allan and Katharine Barrows
- Michael S. Binder (matched by Atlantic Richfield)
- Robert Blanc
- Donald Carlisle
- John M. Christie
- Charles E. Corbato
- George B. Cleveland
- Environmental Solutions
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- M.L. Halladay
- Glenn B. Hieshima
- Diane V. Hunter
- David D. Jackson
- Ernst Waldemar Johnson
- William M. Kaula
- Margaret Galland Kivelson
- Julaine J. Knaack
- Marie C. Koller
- Gennvieve G. Kurtin
- George Lapins
- Marcia Larsson
- Mary Lou Larsson
- Ruth Z. Lincoln
- Rex C. and Eleanor Mack
- Paul Milton Merifield
- Arthur Montana
- Mark L. and Jamie B. Myers
- Clemens A. Nelson
- Gerhard Oertel
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- Gerhard P. Stummer
- Paul H. Warren
- John T. Wasson
- Charles B. Watson
- F. Harold Weber
- David L. Weide
- Wayne A. Zeck

## 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, Professor of Geochemistry and Archaeological Sciences. Stable isotopy of biogenic materials applied to archaeology, paleontology, climatology, and organic geochemistry.

**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 Physical Sciences

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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, 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.

**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 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. Chairman of the Department.

**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.

**An Yin, Ph.D.**, 1987, University of Southern California, Assistant Professor of Geology. Structural geology; tectonics; mechanics of the continental crust; geometry, kinematics, and mechanics of thrust systems and detachment fault systems.

## **Associated and Emeritus Faculty**

**Jack D. Farmer, Ph.D.**, University of California, Davis, Adjunct Associate Professor. Early evolution of the Metazoa, with emphasis on the lophophorates; paleoecology and evolution of the Bryozoa; ecological role (effects of grazing and bioturbation) of meiofaunal metazoans associated with microbial mats in a hypersaline environment, as constraints for

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interpreting the role of Metazoa in Proterozoic benthic communities.

**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.

**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.

**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.

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# Faculty News

**Don DePaolo** will receive the Mineralogical Society of America Award in October, 1987. This award is given each year to an outstanding young scientist in the field of Mineralogy, Petrology or Crystallography.

**Gary Ernst** has been named Faculty Research Lecturer for the 1987-88 academic year and will be presenting his special lecture in the Spring Quarter, 1988.

"This was a year for terminating extramural responsibilities. As outgoing officer of the GSA, I delivered the presidential address at the annual meeting last November in San Antonio. As of the end of June, 1987, I finished my three-year term as chairman of the National Research Council Board on Earth Sciences. And later this August, I will rotate off the NSF Advisory Board for the Earth Sciences. Meanwhile, as of the first of the year, I succeeded Leon Knopoff as director of the Institute of Geophysics and Planetary Physics/UCLA. Out of the frying pan, into the fire!

**Ray Ingersoll** edited with Gary Ernst Rubey Volume VI (ed. Ingersoll, R.V. and Ernst, W.G.): Cenozoic basin development of coastal California: Prentice-Hall, 496pp. 1987.

**Dave Jackson** has been using modern satellite surveying techniques based on the Geodetic Positioning System (GPS) to monitor tectonic deformation in Southern California. "The San Andreas fault explains less than half of the plate motion expected from global models, and we are feverishly trying to track down the other half."

**Bill Kaula** is glad to return from three years' leave of absence as Chief of the National Geodetic Survey, NOAA: "the transition from harassed bureaucrat to scholarly ornament was easy to take. 1987 was also a pleasurable year because of election to the National Academy of Sciences, receipt of the AGU Whitten Medal, and the birth of [my] first grandchild."

**Margaret Kivelson** has stepped down as Chair to return to full-time research (P.I. on Galileo Mission) and Teaching. She says that her magnetometer has been returned to UCLA after a trip to Cape Canaveral and a prolonged wait for a lift to space. Present schedule calls for a 1989 launch of the Galileo spacecraft and arrival at Jupiter in 1995/6.

**Al Loeblich** was awarded the Raymond C. Moore Paleontology Medal of the Society of Economic Paleontologists and Mineralogists this month. The medal recognizes his important contributions, especially in aspects of paleontology that bear on the science of stratigraphy and paleoecology.

**Helen Loeblich** received the "Woman of the Year Award" from the Palm Springs Desert Museum in early April in recognition of her outstanding contributions to Paleontology.

**Art Montana** has assumed chairmanship of the Department, and he is working fervently to recruit new faculty and to raise funds to support graduate students.

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**Clem Nelson** began Phased Retirement this year (until 6/30/89); he is still teaching Field Geology (195G) and Geology of California (ESS 10) for the last time in Spring, 1988. Clem and Ruth moved their official residence to Bishop in October, 1986. Clem is finishing a paper (with Bruce Bilodeau) on the Sage Hen Flat pluton, White Mountains.

**William Newman** was awarded a Guggenheim Fellowship to Cornell and Princeton. He also spent two months in the USSR as a guest of their Academy, working on mathematical and computational models of earthquakes and limits to their predictability.

**Gerhard Oertel** spent a sabbatical writing papers and reports that the first of his students, J.I. Ziony, is about to be (or has) retired.

**David Paige** says, "This past year, I have been setting up a new research facility for planetary spacecraft data analysis. It will include an image display and processing system as well as color hard copy. Alumni are invited to tour the facility during open house this November."

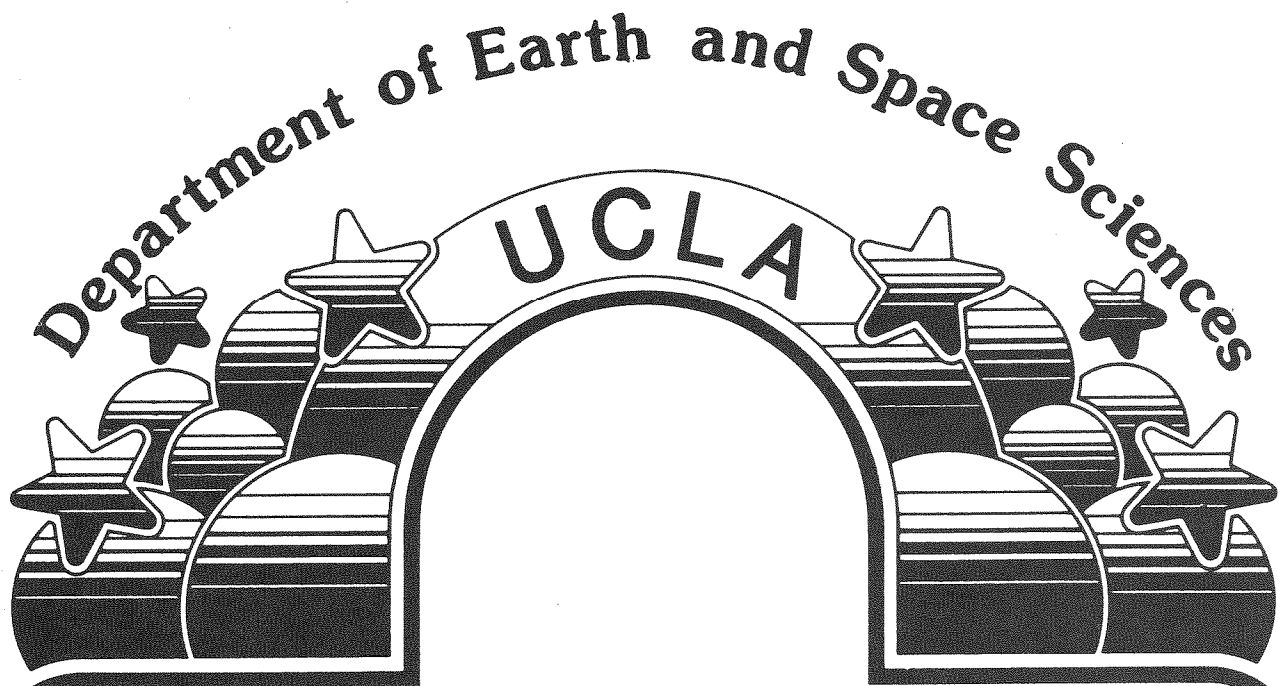
**Bruce Runnegar** joined the faculty as Professor of Paleontology. We had to go Down Under to grab this one! Welcome, Bruce.

**Chris Russell**, in the past twelve months, graduated four Ph.D. students: J. Berchem, D. McComas, R. Johnson and J. Phillips. Chris also published his 400th scientific paper, was invited to be a co-investigator on the magnetic field investigation of the Soviet Phobos mission to Mars, was invited to give the Harold Jeffreys lecture to the Royal Astronomical Society in London, and served his first year as president-elect of the Solar Planetary Relationships section of the A.G.U.

**Jerry Schubert** stepped down as Editor of the Journal of Geophysical Research and was appointed to the Editorial Board of Icarus 1987-1989. He reported that Kirk Ellsworth received his Ph.D. and took a position at NASA Goddard Space Flight Center, Geodynamics Branch, and that Curt Covey left the University of Miami to accept a position at Lawrence Livermore Laboratory.

**John Wasson** reports: "Our group (senior members P.H. Warren, F.T. Kyte, G.W. Kallemeyn and A.E. Rubin) continues to pursue research on meteorites, giant impacts, lunar samples and terrestrial layered intrusions. A new area of research is the study of the tektites from Southeast Asia. The glassy samples were produced by a major impact event 700,000 yrs ago, but no crater has been found. We are pursuing the idea that the tektites were produced in a multitude of small craters and that superficial evidence has been destroyed by the high amount of erosion that has occurred."

**An Yin** joined the faculty as Assistant Professor of Structural Geology. You will hear much more from him next year. Please say hello to An when you attend our alumni reunion.



## FACULTY POSITIONS

Recently, the Department of Earth & Space Sciences at the University of California, Los Angeles announced the availability of two tenure-track faculty positions in the general area of light- or radiogenic-isotope geochemistry, organic or inorganic. We now have a third tenure-track position in the general area of geochemistry, which includes petrology, cosmochemistry, aqueous geochemistry, organic geochemistry, the geochemistry of ore deposits, sedimentary geochemistry, and others. We are particularly interested in promising scientists who have the Ph.D. and who are in the earlier stages of their career. UCLA has made a strong commitment to continue to excel in geochemistry, adding to our present strengths in this and related areas. The successful candidates will pursue a vigorous research program and teach undergraduate and graduate courses in the Earth and space sciences. Applicants should send curriculum vitae, research and teaching plans, and the names of at least three references to Prof. Art Montana, Chairman of the Department of Earth & Space Sciences, UCLA, Los Angeles, California 90024-1567 before December 1, 1987. They should arrange to have the letters of evaluation transmitted directly to this address. The University of California is an Equal-opportunity, Affirmative-action employer; we particularly encourage applications from women scientists.



# Graduates 1986-87

## *March 1986*

### Bachelor of Science

David John Bissiri (Geophysics)  
Warren Dean Delahaut (Geology)  
William Carlisle Power (Geology)  
Thomas Richard Schnabel (Geology)

### Master of Science

Eric Douglas Hendrix (Geology)  
Robert Georg Fritz Krause (Geology)  
David Marc Matzner (Geology)  
William Mathias Weibel (Geophysics & Space  
Physics)

### Doctor of Philosophy

Jean Pierre Michel Berchem (G&SP)

## *June 1986*

### Bachelor of Science

Gerilyn Sue Andrews (Geology)  
Amin S. Damji (Geology)  
Richard Arthur Gladson (Geology)  
Cindy Sue Hifumi (Applied Geophysics)  
Peter Klaus Johannsen (Geology)  
Michael James Soreghan (Geology)  
Scott John Walter (Applied Geophysics)

### Doctor of Philosophy

Charles Richard Ross II (Geology) David Noyes  
Shirley (Geochemistry)

## *September 1986*

### Bachelor of Science

Henry Charles Foster (Geology)  
Kristofer James Johnson (Engineering Geology)

### Master of Science

Theresa Anna Maria Geijer (Geology)  
David Dean Johnston (Geology)

### Doctor of Philosophy

Edmilson Santos de Lima (Geology)  
Kirk Anthony Ellsworth (G&SP)  
Royce Brooks Hanson (Geology)  
Marlene Louise McCauley (Geochemistry)  
David John McComas (G&SP)

## *December 1986*

### Bachelor of Science

Charles Cesar Danache, Jr. (Engineering  
Geology)  
Jeffrey Irwin Farrar (Geology)  
Karen Sue McBride (Paleobiology)  
Karen Alma Weiss (Applied Geophysics)

### Master of Science

Tzerhong Chen (Geology)  
Susanna Jeannette Gross (G&SP)  
Charles David Kimmel (G&SP)  
Carl Johann Michelson (Geology)  
Kurt R. Moore (G&SP)

### Doctor of Philosophy

Calum MacDonald (G&SP)  
Roy Timothy Patterson (Geology)

## *March 1987*

### Bachelor of Science

Steven Alan Blount (Paleobiology)  
Steven David Garrison (Geology)  
Jalal Abdu Karrar (Engineering Geology)

Tracy Elaine McInerney (Geology)  
Karen Sorensen (G&SP)  
Frank Hamilton Spearman IV (Geology)

**Master of Science**

David Anthony Bercovici (G&SP)

**Doctor of Philosophy**

Erdem Fahri Idiz (Geology)  
Shan-Tan Lu (Geochemistry)

**June 1987**

**Bachelor of Science**

Stuart Michael Berge (Engineering Geology)  
Milton John Boyd (Geology)  
Victor Frank Medina (Geology)  
Joseph Alfred Nahama (Geology)  
Gregory Sweel (Paleobiology)

**Master of Science**

Marty Grove (Geology)  
Tom Pepin Halderman (Applied Geophysics)  
Herbert Francisco Rendon (G&SP)  
Deborah Stacy Walther (Geology)  
Tielong Zhang (G&SP)

**Doctor of Philosophy**

Vicki Lynn Hansen (Geology)  
Roberta Marie Johnson (G&SP)  
John Lynch Phillips (G&SP)

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# Student Awards

## GRADUATE

*Graduate Woman of the Year*  
*UCLA Association of Academic Women*  
 Vicki Hansen

*Outstanding-Student-Paper Award*  
*SPR Section*  
*AGU*  
 Roberta Johnson

*Sherman Fellowship*  
 Kathleen Devaney  
 David Diamond

## UNDERGRADUATE

### *1987 Summer Field Fellowships*

*Alumni Consultants Donation:*  
 Stephen Dawson  
 Michael Higuchi  
 Kenneth Kelsh

*Sabins/Chevron Donation:*  
 Stephen Pay  
 Donna Smith  
 Victor Medina

*Walter Harris Donation:*  
 George Nibler

*John and Frances Handin Scholarship:*  
 Helen Qian

*Michael Lien Memorial Scholarship:*  
 Rachel Fischer

*ESS Departmental Undergraduate Scholarship:*  
 Thomas Parsons

# E & SS Alumni News

**Alvin A. Almgren** (B.A., 1944) sends his address: 5212 DeVille Court, Bakersfield, CA 93308, and the news that he retired on July 1, 1986, from UNOCAL and is now consulting geologist and paleontologist (foraminifera). He also reports that **Jean Paul Chauvel** (M.S., 1957) is at UNOCAL, 2323 Knoll Drive, Ventura, CA 93003.

According to John Schlue, **Jim Barker** (B.S., 1969) is still with the N.M. Bureau of Mines & Mineral Resources, but refuses to write, being "still bummed out over the flap he caused by suggesting a more sophisticated binding for [last year's] Newsletter."

**Stephen M. Baele** (B.S., 1976), 3577 Greenwood Avenue, Los Angeles, CA 90066, is a mining engineer with U.S. Borax (3075 Wilshire Blvd., Los Angeles, CA 90010). Professionally, Stephen does geologic data analysis and modeling geostatistical reserve estimations, software development, mineral property evaluation and development. He is a member of A.I.M.E. and I.A.M.G. (International Association for Mathematical Geology).

**Dick Ballantyne** (B.A., 1939) reports the finding of lost souls **Robert S. Burns** (B.A., 1957), President, Burns Geological Exploration, Inc., 30112 Santiago Road, P.O. Box 1268, Rancho California, CA 92390, (714) 676-5699; **Orrin W. Gilbert** [see alphabetical entry]; **William A. Griffin** (B.A., 1939), Chairman, Daniel Industries Inc., 1 Riverway Plaza, 9753 Pine Lake Road, Houston, TX 77055; and **Robert B. Kelly** (M.A., 1941), 7909 S. Pointer, Whittier, CA 90602.

"As far as I personally am concerned, I worked for more than 35 years in petroleum geology and engineering for two independent oil companies mainly in Southern California but with several foreign assignments. I retired from General Exploration Company (VP Field Operations) in 1974, when the corporate headquarters were moved from Los Angeles to Dallas. After a year of travel, fun, games and honey-do projects, I decided that retirement was not my cup of tea. Feeling it impractical to start up a consulting practice I entered Government service in the Los Angeles offices of the Conservation Division, USGS (now Minerals Management Service). The two to three additional years anticipated for work before final retirement are long past as over eleven years have elapsed. I'm sneaking up on retirement however, as I've been spending three days a week in the office for the past two years as an advisor on geologic and engineering problems related to offshore exploration and development activities on Federal waters (OCS)."

**John A. Barron** (BS, 1969; Ph.D., 1974) is a geologist at the U.S. Geological Survey, MS 915, 345 Middlefield Rd., Menlo Park, CA 94025. He shares with us the news that he received the 1986 **Charles Schuchert Award** from the Paleontological Society - awarded for excellence and promise in paleontology to scientists under 40. His current research is in biostratigraphy and paleoceanography. He found Lost Souls Michael Apted, Al Barton, Steve Chambers, Louie Marincovich, Doug Morton.

**Ted Bear** (B.S., 1940), 540 Sespe Street, Fillmore, CA 93015 (Bear & Kistler).

Jess Johnson informed us that **Stan Beus** (Ph.D., 1963) is at the Department of Geology, Northern Arizona University, Flagstaff, AZ 86011. Stan was also "found" by Ronald Parsley.

**Michael S. Binder** (B.S., 1973), 5746 LaVista Court, Dallas TX 75206, is a research geologist in the Research and Technical Services Department of ARCO Oil & Gas Company, 2300 W. Plano Parkway, Plano, Texas 75075. He is a

member of West Sak Research Section, working on well completion problems for a reservoir in Alaska to be developed in the 1990's. "Rick Hurst called me after reading about me in the Newsletter. He was looking for oil company support sponsorship for his Chem-Pet firm, for some proprietary heavy isotope work related to exploration. I passed his request on to the proper parties. The Newsletter works!"

**Robert P. Blanc** (B.A., 1953; M.A., 1958), 300 Laughlin Way, Redwood Valley, CA 95470. He took an early retirement in January, 1986 from Getty (Texaco) to assume a full-time role in the family vineyard and winery operations in Redwood Valley, Mendocino County, CA. He "would welcome any old classmates, staff, etc. to visit--especially if they have upgraded their standards--from what we drank while at UCLA."

We were informed by Robert Blanc that **Edmund Asihene** (Ph.D., 1970) is a professor at the Institute of Mining and Mineral Engineering, University of Science and Technology, Kumasi, Ghana (last contact being a couple of years ago).

**Charles W. Blount** (B.A., 1953; Ph.D., 1965), 274 Hyde, Pocatello, ID, is a professor at Idaho State University, Department of Geology, Pocatello, ID 83209. After 11 years as Chairman, he has given up this post to get back into research. Currently he is trying to get an x-ray lab fully set up with microcomputer for data reduction and analyses; expects to be involved in a study of the geochemistry of the Challis Volcanics of central Idaho.

**Eugene Borax** (M.A., 1942), P.O. Box 2967, Houston, TX 77001 (Pennzoil International)

**Dana Braislin** (B.A., 1947), 8116 Afflerbaugh Dr. SE, Olympia, WA 98503 (Consultant)

**Roy T. Budnik** (Ph.D., 1974), P.O. Box 2875, Poughkeepsie, NY 12603. He left the University of Texas in August, returning to New York to establish a geology consulting business.

**Blase A. Cilweck** (B.A., 1958), 1003 N. Montgomery Street, Ojai, CA 93023, (805) 646-5495. He is a Consultant Engineering Geologist-Marine Geologist, recently laid off from McClelland Engineers, Inc., Ventura Division. His current work involves review of oil company facilities, development and construction in Santa Barbara County for the County Department of Building and Safety.

**Diane Clemens** (B.S., 1984), 65 S. Virginia Avenue, #3, Pasadena, CA 91107, is a graduate student and NSF Fellow at Caltech. "Passed orals 11/86." She let us know that **Steve Chambers** (B.S., 1985), 1921 Montecito Avenue, #7, Mountain View, CA, 94043, is enrolled in the Ph.D. program at Stanford.

**Charles E. Corbato** (B.A., 1954 ; Ph.D., 1960) writes from Ohio State University, "Doggone if the folks back here didn't get tired of me teaching, doing research, and being a thorn in the side of the chairman, so they've given me a new office (what's a Democrat supposed to do anyway in John J. Bricker Hall?) and a new title, which is something like Associate Provost for Administration (do I have to be pro-Administration?). The biggest problem will be cleaning up my speech habits -- I've got to stop referring to unctuous, obfuscating, bureaucratic toadies now that I've become one." He sends a new business address: Office of the VP for Academic Affairs and Provost, Ohio State University, 203 Bricker Hall, 190 North Oval Mall, Columbus, OH 43210; and regards to all his friends on the faculty .

**R.E. "Andy" Corcoran** (B.A., 1949; M.S., Oregon, 1953) writes to say that he doesn't work for Mineral Investigations and Land Appraisal as was reported in last year's Newsletter, he is Mineral Investigations and Land Appraisal. He is presently semi-retired and only does consulting work when the need arises to finance various travels around the world.

**Robert Glenn Crisman** (B.S., 1985), 4948 Santa Cruz Avenue, San Diego, CA 92107, is enrolled in the Master of Science program at SDSU. His current research involves the Late Quaternary tectonic deformation of ancient Lake Cahuilla shoreline deposits within the Salton Trough.

**Rick Yapkowitz** reports that **Kayvon Davar** (B.S., 1985) is teaching physics and Earth science at Manual Arts High School, Los Angeles.

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Steven N. Daviess (M.A., 1942), 3961 S. Dexter Street, Englewood, CO 80110, (303) 758-0437 is a consulting geologist in Englewood. He sent information to help us find another 50 Lost Souls.

Phillip Dobbs (B.A., 1955) is with U.S. Borax in Los Angeles.

According to Bill Kaula, Bruce Douglas (a student in the geophysics program 1964-1966) has been quite successful as director of NOAA's Geodetic Research & Development Lab: in particular, implementing the near-real-time analysis of GEOSAT satellite altimetry, which is yielding a lot of fascinating detail about the ENSO (El Nino-Southern Oscillation of the Pacific) and other oceanic phenomena.

Jack Eagen (B.A., 1955), is Senior VP with Moore & Taber, 4530 E. LaPalma Avenue, Anaheim, CA 92807, where he does consulting with geotechnical engineers and geologists. After 23 years he is "still alive, kicking and prosperous(?)" and wants to know if prosperity equals success. "Retirement? Never. Sorry I missed last Alum get-together - next year."

J. James Eidel found two Lost Souls: Wm. Randall Schmus (Ph.D., 1964) is Randy Van Schmus - Professor at the Univ. Kansas; Byron Weissberg (Ph.D., 1964) is with the DSIRO, Lower Hutt, New Zealand.

William B. Ellis (B.A., 1950), Independent Geologist, 4932 NW 62 Terrace, Oklahoma City, OK 73122 reports: "It is possible the Richard D. Stewart '49 in the list is a 'typo' and refers to Richard D. Stewart '49, whose Memorial appears on page 949 of the July 1982 AAPG Bull. Vol. 66, No. 7. [Almost certain -- Ed.] Dick was one of those at that first Nevada field camp; Takeo and Clem knew him. I guess Takeo and Clem are the only remaining staff persons I know. Takeo found Ed Kiessling (M.A., 1958) who was part of that 1949 Cortez, Nevada group as was 'Lost Soul' Herb Mann with whom I have maintained close contact. Herb went from UCLA to Shell Oil, several years in Los Angeles, several years of surface work in Alaska, several years in Houston, then some time with Elf Aquitaine in Houston prior to present Independent-Consulting status."

Herbert Mann (B.S., 1950), 10110 Lynbrook Hollow, Houston, TX 77042.

George Feister (B.A., 1941), #5 Buckboard Trail, Rolling Hills, CA 90274 (Sery Exp. Inc.)

Declan P. Ford (A.B., 1948), F.E.R.C., Room 6112, 825 North Capitol, N.E., Washington, D.C. 20426, is a supervisory petroleum engineer for the Federal Energy Regulatory Commission.

Leonard "Rip" Ford (Ph.D., 1981) is a Senior Research Geologist for Unocal Science and Technology Division, P.O. Box 76, Brea, CA 92621; his study is on quantitative methods of biostratigraphic data analysis. He is co-chairman of the Fourth International Conference on Fossil & Living Dinoflagellates, to be held in 1989 at Woods Hole Oceanographic Institute. Quoting Rip, "Be there, or be square!" As an afterthought, Rip decides to come clean about his past: "Okay, I will now admit it! I lived in my office for 3 months while a student at UCLA. It was actually very homelike: I had a refrigerator and stove in the Loeblich's lab, while Bill Pickthorn had the television and dartboard down in his 4th floor 'apartment'."

Harold Fothergill (B.A., 1941), 1800 El Vista Circle, Arcadia, CA 91006 (Consultant)

Pat Frascogna (B.S., 1985), 318 East Capitol Street N.E., #1, Washington, D.C. 20002, is a Legislative Assistant in the Office of Representative Bill Thomas of the 20th District of California (324 Cannon House Office Building, Washington, D.C. 20003). His work is assisting Congressman Thomas in understanding matters relating to the geological sciences. The district includes Bishop, Inyo County, Kern County and parts of LA and San Luis Obispo counties. Much of his time is taken up with concerns of petroleum/mining companies and government agencies such as the Bureau of Land Management, Forest Service, Department of the Interior and Water management agencies.

Phelps Freeborn (Ph.D., 1976), 3506 Madison Street, Prince Georges, MD 20782, wrote briefly and enigmatically about his current work, apparently in radioactive waste management. At least we now know his whereabouts.

Chris Gallagher (B.S., 1977) dropped into the Department the other day on an unexpected visit. Since graduation he has been a career officer in the U.S. Navy (now Lieutenant-Commander), working in Meteorology and Oceanography.

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After several years on the East Coast and at sea, he is returning to the Naval Post-Graduate School, Monterey, to finish a Master's degree. He hopes to make it to Alumni Day.

**Gerald Ganopole** (B.A., 1948), 2536 Arlington Drive, Anchorage, AK 99517, is a consulting geologist--semi-retired--world explorer. He is president of the Alaska Exploration Corp.

**Michael Garcia** (Ph.D., 1976), 3231 Beaumont Woods Place, Honolulu, HI 96822, is Associate Professor in the Geology-Geophysics Department at the University of Hawaii. His research is in collecting molten lava from the current eruption sequence of Kilauea Volcano for chemical analysis to evaluate petrologic processes; diving with ALVIN submersible to the youngest Hawaiian volcano, Loihi.

**David A. Gardner** (B.S., 1971; M.S., 1973), formed the firm of Staal, Gardner & Dunne, Inc. in 1985 to provide consulting services in engineering geology and hydrogeology for private industry and public agencies. He is a member of the American Institute of Hydrology, American Water Resources Association, Association of Engineering Geologists, Association of Ground Water Scientists and Engineers, Association of Soil & Foundation Engineers, Hazardous Waste Task Committee, Channel Counties Water Utilities Association, Coast Geological Society, Seismological Society of America, and United States Committee on Large Dams.

**Leslie Dickson Gergen** (M.S., 1985), 2044 Montecito Street, #9, Mt. View, CA 94043, is employed at the U.S. Geological Survey, Menlo Park, CA.

**Orrin W. Gilbert** (B.A., 1944), 5521-B Via La Mesa, Laguna Hills, CA 92653, (714) 586-3252, graduated from UCLA in 1944 and went to work for Standard Oil Company (now Chevron USA Inc.) and worked as a Geologist and Petroleum Engineer in various assignments for twenty-nine years; then he worked for the U.S. Geological Survey for thirteen years. He retired two years ago and is now living in Leisure World.

**Doyle Graves** (B.A., 1942), 560 Rancho Alisal Drive, Solvang, CA 93463 (Retired).

**William A. Greenwalt, Jr.** (B.A., 1941), 601 Lido Park Drive, 3-D, Newport Beach, CA 92663 (or 15 Soi 29 [Sukhumvit], Bangkok 10110, Thailand), retired in 1983 after forty years with Union Oil Co. of California and is now a consultant (as Resident Manager) to North Central International Ltd., in Thailand. He is a member of AAPG and S.P.E., Regional Chairman for Thailand; he is also Registered Geologist and Registered Engineer (Petroleum), State of California. In his spare time, he located several lost souls.

**Francis R. Hall** (M.A., 1953; Ph.D., Geology, Stanford, 1960), P.O. Drawer A, Durham, New Hampshire 03824, is a Professor of Hydrogeology in the Department of Earth Sciences at the University of New Hampshire, Durham. After getting his Ph.D., he spent time with the USGS and Stanford Research Institute before going academic. His first position was at New Mexico Tech and then on to New England. He told us that Warren Hamilton's son Larry is a faculty member in Sociology at UNH.

**Donald C. Hartman** (M.A., 1957), 3212 West 28th Court, Anchorage, AK 99503. Gerald Ganopole told us that Don has been a resident geologist and landman for Texaco in Anchorage for many, many years.

On a recent trip to Yosemite, Diane Clemens and Jeff Knott "ran into Kirk Helland (B.S., 1983) at the Wawona Inn -- he's been working there summers and teaching skiing during the winter (rough life) -- now he plans to return to LA and geology." His current address is P.O. Box 2037, Wawona, CA 95389

**Glenn B. Hieshima** (B.S., 1985) is a graduate student at the University of Wisconsin-Madison and will be getting his M.S. in Geology upon completion of his thesis entitled "Sedimentary Fabric of Monterey Formation (Miocene) Diatomite, California."

**Chris Hollister** (B.S., 1982; M.S., Geophysics, Stanford, 1986), 2757 Pierpont Boulevard, Ventura, CA 93001, is a Development Geologist with Chevron U.S.A., Ventura, California. He "enjoys receiving the Alumni Newsletter." [Thanks -- Eds.]

**Richard H. Hopper** (B.A., 1935, M.A., 1936, Ph.D., Cal Tech, 1939), 10 Pine Creek Avenue, Apt. 501W, Fairfield, CT 06430, is retired from American Overseas Petroleum Ltd. Regretfully, he informed us that three of his old friends died within the past three years, **Thomas W. Donlon** (B.A., 1936), **Earl M. Irving** (M.S., 1935) and **Lowell E. Redwine** (Ph.D., 1972).

**Frank C. Horacek** (B.A., 1953), 7037 S. Madison Way, Littleton, CO 80122, is a Consultant Geologist. Recently retired from J. M. Huber Corporation where he was Exploration Manager for fourteen years; he was with Amoco Production prior to that. Present plans include some consulting and continued world travel. **Edward W. Hudson** (M.A., 1958), 1334 S. Kirkwood, Houston, TX 77077 was recently transferred: Texaco, Inc., P.O. Box 430, Bellaire, TX 77401.

**Norman C. Janke** (Ph.D., 1963), 2670 Fair Oaks Boulevard, Sacramento, CA 95864, was Professor of Geology at California State University at Sacramento (Emeritus Professor, 1983). He does consulting on forensic geology, evaluation of geologic and seismic hazards for construction, evaluation of geology and soils for paving design, and petrographic analysis of rock cuttings.

**Peter Johannsen** (B.S., 1986) was preparing to enter law school this fall when he was offered a position locally in geology. He has taken the job and hopes to stay in geology.

**Jeff Johnson** (M.S., 1971), 509 Hillsborough Street, Thousand Oaks, CA 91361.

**Jess Johnson** (Ph.D., 1964), Department of Geology, Oregon State University, Corvallis, Oregon 97331, says that **Mark Kovinick** (M.A., 1956) "was one of my closest friends at UCLA in the 1950's. He went to Venezuela, I think with Creole Oil Co., and married a Venezuelan woman. He returned to the LA area with his wife and died in the late 1960's. I never learned the cause."

Margy Kivelson reports that **Stan Kaye** (Ph.D., 1979) is working at the Princeton Plasma Physics Lab (Princeton University, Princeton, NJ 08544) and making important theoretical contributions to the questions of confinement and heating of fusion plasmas.

**Albert R. ("Al") Kerr** (B.A., 1936; M.A., 1938), 1320 Knoxville Avenue, Long Beach, CA 90815, retired as Associate Professor of Geology at Orange Coast College, Costa Mesa, California in 1983 after fourteen years. Since retiring, he served as a consultant to Coast Community College District. "My current project is writing Working as a Geologist, a series of essays, reminiscences, pontifications, etc. based on personal experiences in the oil business and in teaching. He advises: "Don't write off Petroleum Geology. It's not dead, but only dozing."

**Phillip Kistler** (B.A., 1940), Apt. 276, 8363 Camino del Oro, La Jolla, CA 92037 (Bear & Kistler).

**Julius Klain** (B.A., 1937), 931 Schumacher Drive, Los Angeles, CA, is semi-retired and a widower as of January 20, 1986.

**Peter Kraatz** (B.S., 1984), 705 Hoge Road, Reno, NV 89506, is an exploration geologist and engineering technician at Engineering Testing Association, 737 E. Glendale Avenue, Sparks, Nevada 89431. He is currently pursuing a Master's Degree in Geological Engineering at the University of Nevada, Reno.

**Robert G. F. Krause** (M.S., 1986), 2701 Wilshire Boulevard, #811, Los Angeles, CA 90057, is a member of the Society of Economic Paleontologists and Mineralogists, Association of American Petroleum Geologists, and Deutsche Geologische Gesellschaft.

**Andreas Kronenberg** (B.S., 1977) has been traced by several correspondents. After completing his Ph.D. at Brown University and a post-doc. with Steve Kirby at the U.S.G.S., Menlo Park, he is now an assistant professor at the Center for Tectonophysics, Texas A&M University, College Station, TX 77843.



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**Dr. Allan R. Larson** (Ph.D., 1966), 4876 West Fair Avenue, Littleton, Colorado 80123 is a Geological Consultant and a former Lost Soul who was "found" by Frank Horacek.

**Ernest P. Ledterman** (B.A., 1939), 5867 Soledad Mountain Road, La Jolla, CA 92037 (619) 459-3126, has been retired eleven years as District Manager for Pacific Bell Telephone. Like a large percentage of his fellow graduates in 1939, he went into another field (in his case, telephony). With the benefit of his ROTC Reserve Commission, he ended World War II as a Major in the Signal Corps. He resigned in 1952, just in time to avoid service in Korea. "If Walt Kean reads this, I'm glad to hear that he is alive and well. He'd been rumored killed early in W.W. II and I've had him buried for 44 years. A nice resurrection!" His hobbies since retiring are cycling and traveling. With his pickup truck and travel trailer, he has covered over 110,000 miles--all 48 continental states, all Canadian provinces and most Mexican states. He's also been to Europe, Hawaii, Australia and New Zealand (but not in the trailer!) He'd like to hear from or about Gordon M. Anderson, Phillip B. Kinney and Paul Goldman.

**Dieter Karl Letsch** (B.S., 1983), 2301 Fountainview Avenue, #40, Houston, TX 77057, is a Development Geologist at Chevron USA, in Houston, Texas; he received an M.S. from Colorado School of Mines in 1986. He has worked petroleum reservoirs from the Jurassic Smackover to the Eocene Yegua, and mapped structures from fairly simple faulted anticlines to complex piercement salt domes.

**Robert I. Levorsen** (M.A., 1947), 1763 Indian Valley Road, Novato, CA 94947 (415) 897-8387, retired from Chevron after thirty-seven years in July, 1984. He is Sanctioning Committee Chairman for the International Sled Dog Racing Association -- owns, trains and races 8 Alaskan huskies -- and is part owner of a 38-foot racing sailboat in the Caribbean. Obviously, he is enjoying his retirement.

**Harold Lian** (A.B., 1949; Ph.D., 1952), 1309 Woodruff Avenue, Los Angeles, CA 90024 (Union Oil Co.). On March 18, 1987, in Bangkok, he was honored thusly: "His Majesty King Bhumibol Adulyadej has graciously awarded the Royal Decoration Commander of the Most Noble Order of the Crown of Thailand to Dr. Harold M. Lian, President and Chief Operating Officer, Unocal Thailand, Ltd., for his contributions to the development of Thailand's energy resources."

**Karen Loomis** (B.S., 1985), 20-B Escondido Village, Stanford, CA 94305 (415) 856 2725, is a graduate student at Stanford University, Department of Geology, working towards her Ph.D. Her dissertation is tentatively entitled "Paleoenvironments and Depositional History of the Etchegoin Group, San Joaquin Basin, California." To quote Karen, "I will be sweating it out in the San Joaquin Valley for the next couple of years as I continue my research."

**Don MacKenzie** (B.S., 1976), 812 1/2 E. Speedway, Tucson, AZ. Don is working on his Ph.D. in Economic Geology at the University of Arizona

**Mark G. Mackowski** (B.S., 1979), 12330 Ashworth Place, Cerritos, CA 90701, is presently employed as an Engineering Geologist by the Los Angeles Dept. of Water & Power, 111 N. Hope Street, Los Angeles, CA 90011. He is a Registered Geologist and Certified Engineering Geologist (California), and presently enrolled in the Hazardous Materials Management Program, UCLA Extension.

**Conrad J. McCarthy** (B.S., 1975) is presently employed as a Senior Research Engineer with Shell Development, Bellaire Research Center, P.O. Box 481, Houston, TX 77001 (but working on a transfer). Has been doing a lot with production use of 3-D seismic surveys recently and is continuing his work on the seismic response of deep-sea fan deposits. Is also compiling data on the sedimentology of the Topanga Group in the Santa Monica Mtns. If anyone knows of current work on this, please contact him. Has been heavily involved with track and field these days and has had a number of photos published in Track & Field News, including one cover. Scott Fenton (B.S., 1975) and he bump into one another occasionally at the local YMCA. He's still with Phillips, but things are getting very tight there. He hasn't seen P.D. Snavely III in over a year, but assumes he's still with Exxon Research.

**Carl W. Mendelson** (Ph.D., 1981) is presently at UCLA on sabbatical leave from Dept. of Geology, Beloit College, Beloit, Wisconsin 53511. He and Carol Mankiewicz will be here until August, 1988, working with Professor Schopf's PPRG-P). Carl spent the summer of '86 in central Spain and southern Sweden collecting microfossil-bearing rocks for

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study. He also spent 10 days in Moscow (with Schopf, G. Vidal and Jere Lipps) photographing Proterozoic holotypes (for PPRG-P).

**Roy Menges** (B.S., 1984), 22706 Evalyn Avenue, Torrance, CA 90505, is presently employed as a computer programmer by Southern California Gas Co., Los Angeles and working toward an MBA at Pepperdine.

**Paul Merifield** (M.S., 1958), alumnus and lecturer in Engineering Geology in the Department, has a new home address: 34 Wade Street, Los Angeles, CA 90066.

**Dave Miller** (Ph.D., 1978) is Deputy Chief, Office of Regional Geology, USGS, 908 National Center, Reston, VA 22092. Dave is doing a stint as an administrator at USGS in Reston and looking forward to returning to normalcy in late 1987. He says, "Wrangling with professional bureaucrats has been an eye-opening experience."

He reports on the following lost souls: Mick Apter moved to Hanford Reactor, Washington in about 1980; **John McCormick** was still at SUNY Plattsburgh in 10/85 - Department of Computer Sciences; **Wes Wilson** got his Ph.D. at the University of Utah, worked for an oil company at Bartlesville, OK for 3-4 years, and now is working with a consulting company in Seattle: 822-217th Pl. NE, Redmond, WA 98052.

**Rick Miller** (MS, 1967; Ph.D., 1975). Rick is "still!!!" a professor at SDSU. Has published a historical geology text, A Trip Through Time (with John Cooper and Jackie Patterson of CSU Fullerton) and is working on an Introductory Paleontology textbook to keep himself busy. Rick says enrollment is down at SDSU, as everywhere, but has found this to his liking. Says it's great to have 8-20 students in a grad class rather than 25-30 as a few years ago. He is still working on conodonts and taking students on field trips to the southern Great Basin. Says he enjoys the Newsletter, but would like to see more alums write in and "share some gossip.!"

**Johnnie N. Moore** (M.S., 1973; Ph.D., 1976), Associate Professor, Dept. of Geology, University of Montana, Missoula, MT 59812. Johnnie is presently doing research on metals transport and remobilization in large contaminated river systems. This includes lots of sedimentology and sediment/water geochemistry and has recently been successful in obtaining funds for an ICAP for his lab and so now spends most of his time "playing" with that instrument. Would like to hear about the following (since they were not present at the last UCLA E&SS Alumni meeting and were not on the list of the missing): Skip Stoddard (NCSU); Mike Garcia (U of Ha); Molly and Calvin Miller (Vanderbilt - when last Johnnie heard); Merton Hill; and Reed Wicander.

**A. Roland Mora** (M.S., 1983), 24 Marilyn Place, San Ramon, CA 94583 (P.O. Box 5046), recently transferred from Bakersfield to Chevron Overseas Petroleum, Inc. in San Ramon, where he is currently a geologist working on the exploration for petroleum in Nigeria and was previously part of the team that provided technical assistance in heavy oil to Venezuela.

**Keith Nakanishi** (Ph.D., 1978), 1644 Frankfurt Way, Livermore, CA 94550. Keith is presently employed as a Seismologist with Earth Sciences Department, Lawrence Livermore National Lab L-205, Livermore, CA 94550, doing research in verification of Test Ban Treaties. He and **John Schlue** both reported the following address for **Robert Gordon Mitchel** (Ph.D., 1977), Chevron Geosciences Co., 5210 Blackbird Drive, Pleasanton, CA 94566.

**Mr. James Novotny** (M.A., 1955) is now **Dr. James Gunderson**, 7530 Plaza Lane, Wichita, KS 67206.

**Ronald L. Parsley** (A.B., 1960), Professor, Department of Geology, Tulane University, New Orleans, LA 70118. Professor Parsley spent June and July, 1986 in Prague, Czechoslovakia as a National Academy of Science exchange scientist, working in carpid echinoderms and gave a paper on feeding and respiration in stylophoran echinoderms at a British Museum (Natural History) conference on Evolution of the Echinodermata, Dec. 1986. He is currently working on several projects dealing with primitive Echinodermata from the Ordovician of Bohemia.

"It is sad to see that so many of my classmates are "Lost Souls." They were a hard-working lot. . . I'm glad to see that Runnegar is on the faculty; a strength in paleobiology is important in any large department like UCLA's."

**Robert H. Paschall** (B.A., 1938), Consulting Valuation Geologist, Robert H. Paschall & Associates, 460 Lovella Way, Sacramento, CA 95819. "I left geology sensu stricto and became an appraiser of oil and mining properties. One thing led to another, and I served six years as editor of State appraisal handbooks. After I went into consulting I worked for

three years as (free) editor of VALUATION magazine, house organ of the American Society of Appraisers." He is now in "a great field--the competition is minimal."

Lost Soul **Donald O. Pettit** (B.A., 1954) was located by Editor Joy Wurdeman: 20 E. Pueblo, Santa Barbara, CA 93105.

**F. Ronald Philippsborn** (B.S., 1974) is Lieutenant Commander with NOAA Commissioned Corps, P.O. Box 020197, Miami, FL 33102-0197. After completing his studies 12/73, he worked as field assistant for USGS, National Center for Earthquake Research, Menlo Park, CA, for one year before joining NOAA Corps 1/75.

**Richard J. Proctor** (M.A., 1958), 327 Fairview Ave., Arcadia, CA 91006; President, Richard J. Proctor, Inc., Consulting Engineering Geology. "Elected VP 1986-87, American Institute of Professional Geologists. Member, Board of Geotechnical Consultants, Southern California Rapid Transit District for Los Angeles Metro Rail Project. For past 3 years have been working on landslide problems in the Orinda Formation at Blackhawk and San Ramon, northern California.

He sent the following missing alumni addresses: **James Rammelkamp** (B.S., 1954), Upham Int. Corp., M1A Airmail, Dist. Ctr., P.O. Box 7141, Pasay City 3110, Philippines. **Donald C. Rose** (B.A., 1959), Consulting Engineer/Geologist, 117 Ripley, San Francisco, CA 94110. **Victor L. Wright** (B.S., 1955), Consulting Engineering Geologist, 1855 Country Club Drive, Placerville, CA 95667.

**Kathleen A. Proffer**, formerly **Kathleen A. Ehlig**, (B.S., 1977; M.S., CSULA, 1986), married a geologist, Mr. Terry Proffer of Petty-Ray Geophysical, 8/84. They met in a graduate level geology class at Cal State University, Northridge. She now has a part-time position with Hansen Engineering, 1716 Oak, Suite 4, Bakerfield, CA 93301, and is also preparing for State Registration Exam, writing an article for GSA and anticipating arrival of first child in April '87. She and Terry reside at 3713 Margalo Avenue, Bakersfield, CA 93313.

She tells us that **Glen Milton Wyatt** (B.S., 1977) works for Brown and Caldwell, P.O. Box 8045, Walnut Creek, CA 94596 and resides at 9390 San Simeon Drive, Concord, CA 94518. Kathleen spoke with Glen's wife on 10/7/86.

**Hollis W. Record** (B.A., 1957), 253 Pebble Beach Dr., Goleta, CA 93117. Forest Geologist, U.S. Forest Service, 6144 Calle Real, Goleta, CA 93117. Actively involved in publishing 150 USGS 7-1/2" Quadrangles of Geology by T.W. Dibblee, Jr. through the Thomas Wilson Dibblee, Jr. Geological Foundation. The area includes Los Padres National Forest and most of Santa Barbara and Ventura Counties.

**Constance Ring** (B.S., 1957) and **C. Karfunkel** are the same person. Connie is Mrs. Herb Ring, 9946 Vale Road, Vienna, VA 22180.

**William R. Rohtert** (B.S., 1975), 1820 Whites Creek Lane, Reno, NV 89511; Manager of U.S. Field Operations: Quartz Mountain Gold Corp., 935-355 Burrard St., Vancouver, B.C. Canada V6C-2G8. After UCLA he received his M.S. degree in Economic Geology from the University of Colorado, Reno, directing gold exploration in the Basin and Range Province. Recently he joined a small Canadian firm, based in Vancouver, B.C., that represents a new direction in the mining industry which focuses on high-grade, near surface, gold deposits amenable to the new extraction technology of heap-leaching and committed to maintaining a flexible corporate structure capable of facing the challenges that destroyed the old-guard companies. This company is doing well and he says he is having the time of his life. He is grateful to UCLA for his background and for his field training.

**George H. Rudkin** (B.A., 1951), 2101 Linda Vista Dr., Casper, WY 82609. Recently retired (early) from Marathon Oil Co., Feb. '86 (33 years service). Now engaged in civic activities: Board of Adjustment, City of Casper; Finance Chair Highland Park Church & Church Council; Campaign Committee for State Legislator; involved in economic development for city of Casper; golfs, goes fishing, and travels.

**Howard Samsel** (M.S., 1951), 107 East Lake Drive, Brandon, MS 39042, 601/992-2424.

**John Schlue** (B.S., 1965; M.S. 1971; Ph.D. 1975), Department of Geosciences, New Mexico Tech, Socorro, NM 87801. John says it's his turn to be department chairman (3 yr. rotating position).

These Lost Souls were found by John Schlue: **Ahmed Ali Fouda** (Ph.D. '73), Arabian American Oil Company (ARAMCO), P.O. Box 8947, Dahrán, Saudi Arabia; **Ivan C. Getting** (M.S., 1967), Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado, Boulder, CO 80309; **Edo Nyland** (Ph.D., Space & Planetary Physics, 1970). Dr. Nyland is a member of the faculty in the Physics Department, University of Alberta, Edmonton, Canada T6G 2J1.

**Norman W. Schultz** (B.A., 1941), 3031 South Krameria Street, Denver. CO 80222. Retired.

**Russell R. Simonson** (B.A., 1934; M.A., 1936), 1605 Glorietta Ave., Glendale, CA 91208. His career began 49 years ago in Bakerfield and has led through western states, Alaska and numerous foreign countries. In an article in the Oil Field News, 6/23/85, he is lauded for his 49 years as a veteran of that industry, having been an independent operator since 1976 with production interests in a number of wells in California and Texas. Along the way, Simonson authored numerous papers and served as president of the Pacific Section of AAPG. His work as a micropaleontologist earned him recognition as a "pioneer bug man of California." He still is active as a geologist and petroleum engineer, with offices in Glendale.

**Howard Singer** (Ph.D., 1980), 31 Mt. Hope Street, Dedham, MA 02026, is the Magnetometer P.I. for the CRRES Spacecraft which will probe the radiation belt of the earth's magnetosphere, according to Margy Kivelson.

**Richard C. Slade**, (A.B., 1966; M.S., Engineering Geology, USC, 1974), 4950 Bellaire Ave., No. Hollywood, CA 91607. After nearly four years in The Hydrology-Geology Section, Metropolitan Water Dist. of So. Calif. and thirteen years as Senior Hydrogeologist with Geotechnical Consultants, Inc, has his own consulting practice (this was begun in early 1983). Is involved in hydrology - locating and designing municipal-supply water wells, evaluating degradation and contamination of groundwater by such facilities as sanitary landfills or hazardous materials disposal operations, etc. Richard says he loves his work because it is varied and challenging.

**Cassius C. Smith** (B.S., 1974), 2609 Willena Drive, Huntsville, AL 35803. Staff Engineer, TRW Defense Systems Group, 213 Wynn Dr., Huntsville, AL 35805. Has been with TRW since 1977. He and his wife, Valerie, will celebrate 12 years of marriage together next March.

**Gregory J. Smith** (B.S., 1985), 4412 Marlborough #24, San Diego, CA 92116. Master's candidate, San Diego State University; currently working on stratigraphy, etc., of Jurassic and earliest Cretaceous strata south of Bahia de Los Angeles, Baja California, Mexico.

**Harold K. Stager** (B.A., 1948), P.O. Box 1197, Bodega Bay, CA 94923. Retired from USGS in 1980 (after 32 years with USGS in Colorado, Nevada, California, Kentucky, and west Africa). Worked part time with USGS until 1985. "I have recently (August, 1986) moved from Palo Alto to Bodega Bay, CA, where I am building a new home. Still do a little part-time geology as a consultant."

He informs us that **Martha Gallagher** (B.A., 1947) is now Mrs. Martha Zabel, Rt. 1, Box 397-D, Devine, TX 78016; and **Gordon W. Weir** (B.S., 1947), 2016 Fox Hill Road, Flagstaff, Arizona 86001, is a geologist with the USGS.

**Michael P. Stark** (B.S., 1970), 7704 Calle Corta, Bakersfield, CA 93309. Senior Geologist, Occidental Petroleum. Recently moved back to Bakersfield from a five-year stint in London, where he was Chief Geologist for Oxy and spent the entire five years working on North Sea Exploration Projects. His boss for part of the time was **James Jerome Williams** (M.A., 1957), who is V.P. Exploration Europe-Africa for Oxy based in London. Currently working on exploration projects in the Far East group.

**Robert E. Stevenson** (A.B., 1946; A.M., 1948; Ph.D., 1954 (USC)), P.O. Box 689, Del Mar, CA 92014. Company address: Office of Naval Research A-010, Scripps Institution of Oceanography, La Jolla, Calif. 92093. Has published extensively (upwards of 100 pubs.), mostly in the field of space oceanography,. Is working on oceanographic data mainly from manned spacecraft; also infrared and radar imagery from satellites. Has trained every astronaut in oceanography, plate tectonics and coastal sedimentation. Carries out research on every shuttle mission. Is Deputy Secretary General IAPSO.

**Jane Sutherland** (B.S., 1984), 804 S. Barlow Lane, Bishop, CA 93514.

**Mark W. Tippie** (B.S., 1980; M.S., Geophysics, 1984, Univ. of Utah), 2238 Meridian Street, Falls Church, VA 22046. Computer Programmer, Federal Bureau of Investigation, Washington, D.C. 20535.

**Steven I. Usdansky** (B.S., 1976), Department of Geosciences, Murray State University, Murray, KY 42071. Promoted to Assoc. Professor of Geosciences. "In addition to routine professorial duties, I have formed a company, FAULT! SYSTEMS, to develop and market cross section modeling software for personal computers. Profitability is expected some time around the turn of the century.

**E.W. Vind** (B.A., Geology, 1953), 2295 Hedgewood Drive, Reno, NV 89509. Retired Marathon Geologist and Division Manager, Houston, TX.

**Scott D. Warner** (B.S., 1983; M.S., Indiana, 1986), 15540 NE 60th St., Redmond, WA 98052, 206/885-5758. Presently employed by Golder Associates, Redmond WA (Seattle area) as a Hydrogeologist. Presented a paper at GSA in San Antonio last November on Geochemical modeling of groundwater in the Columbia Plateau of Washington (Hanford area). Currently working on a hydrologic test plan for the Underground Research Lab in Manitoba, Canada (field work).

Scott sends his greeting: "Howdy ESS Alums: I'm working and living up in the north woods of Washington having a grand ole time. I finished my graduate work last December out at Indiana University (Hey, how about those NCAA Champion Hoosiers - don't worry, I'm still partial to the Blue and Gold - but I.U. B-ball and Bobby Knight sure can be fun) and then came out west to Seattle. I think **George Madrid** (B.S., 1984) is still back in Bloomington - or at least he was a few months ago. I saw **Jane Sutherland** up at Wisconsin a couple of years ago, too, but then lost track of her."

**G.D. Webster** (Ph.D., 1966), Department of Geology, Washington State University, Pullman, WA 99164-2812. "Back in the real world now that I am no longer Chair. Continuing research on Carboniferous stratigraphy of the western U.S. and Paleozoic crinoids and conodonts. Spent spring semester, 1986, at the University of Indiana writing a paper with **Gary Lane**."

Found lost souls **John Alan Bartow** (1964), USGS, 345 Middlefield Road, Menlo Park; **James G. Evans** (Ph.D., 1967), USGS, Geologic Division, Room 651, U.S. Court House, W. 920 Riverside, Spokane, WA 99201 (509) 456-4677; **Jerry L. Matthews** (Ph.D., 1966), 410 8th Street, Del Mar, CA 92014; **John E. Marzolf** (Ph.D., 1970), South Illinois University, Carbondale, IL.

**David L. Weide** (Ph.D., 1974), who found the most Lost Souls (40, one of whom was a former spouse), claims that, although he didn't have access to the inner ear of God, he did have the (1986/1987) Directory of the Geological Society of America, the Annual Report and Directory of the American Association of Petroleum Geologists, and the American Geological Institute Directory of Geoscience Departments. He looked up our list in all three of those publications and wanted to know why we didn't do that. [We did! Eds.] Thanks for your help, Dave. We heard this summer from Dave, travelling in Scotland, looking at the Moine Thrust, Skye, Mull and presumably the Lock Ness Monster!

**Ian Martin Westbrooke** (M.S., 1979) has a change of address to: P.O Box 16256, Hornby, Christchurch 4, New Zealand.

**Don Wilhelms** (Ph.D., 1963), 2027 Hyde St., #6, San Francisco, CA 94109, is semi-retired as of August, 1986, and has recently published "The Geologic History of the Moon" (1987) USGS Prof. Paper 1348.

**James Jerome (Jerry) Williams** (B.A., 1955; M.A., 1957), "Holmbury", 10 Blackhills, Esher, Surrey, England KT10 GJW. Senior VP Exploration, Occidental International Oil Co., 16 Palace St., London SW1, England. Responsible for Occidental's exploration activities in U.K., North Sea, Oman and Pakistan and for some projects in Mediterranean-Mid East region.

"Accepted current position with Occidental in the London office in December '84, after nine years as an independent & consultant. During that time resided first in London and later in Breckenridge, CO (Great scenery but always a long way from oil action). Work was always primarily international. Prior to that was with Oxy in Libya and then London."

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**Edwin M. Winter** (M.S., 1970; Ph.D., 1972) Research Director, Technical Research Assoc. Inc., 445 Rosewood Ave. H, Camarillo, CA 93010.

Margy Kivelson tell us that **Daniel Winterhalter** (Ph.D., 1987) is on the JPL staff and working on Mars Observer.

**Glen Milton Wyatt** (B.S., 1977), 930 San Simeon Dr., Concord, CA 94518, 415-687-6232. Presently works for Brown and Caldwell, P.O. Box 8045, Walnut Creek, CA 94596, 415-937-9010.

**Richard (Rick) Yapkowitz** (B.S., 1975), 1321 Keniston Ave., Los Angeles, CA 90019. Presently working for the Los Angeles Unified School District at Manual Arts High School, 4131 S. Vermont Ave., Los Angeles 90037. Recently "promoted" to Project Director of SCIENCE IN-SIGHT. This school year Rick received an Education Consolidation and Improvement Act, Chapt. 2 Grant for \$70,000 to test the feasibility and effectiveness of using the Videodisc medium as a resource in Biology/Life Science and Physical/Earth Science classes. Hopes this work will lead to a lucrative career in the fast world of educational grants. Rick would like to make contact with his classmates from 1974 Summer Field: "Isn't it about time for another reunion dinner/gettogether?"

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## OBITUARIES

Dick Ballantyne told us, "**John L. Ball**, (B.A., 1939), passed away in Hawaii last October. John's letter was printed in last September's Newsletter. We will miss him."

Frank C. Horacek informed us that **Lawrence Charles Crippen** (B.S., 1965), former resident of Denver and founder and President of Prairie Eagle Exploration, died in 1985.

**Thomas W. Donlon** (B.A., 1936).

**Earl M. Irving** (M.A., 1935)

Dr. Norman Jesberg, Associate Professor at USC School of Medicine, sadly informed us that his son, **Peter Jesberg** (A.B., 1983), died at the very young age of 29 from osteosarcoma September 23, 1984.

**Mark Kovinick** (M.A., 1956). See Jess Johnson

**John T. "Jack" McGill** (B.S.; M.S.; Ph.D., 1951) It saddens us to learn that Jack died on Wednesday, May 6, 1987. He received bachelor's, master's and doctorate degrees from the University of California, Los Angeles, where he was a member of Phi Beta Kappa. McGill retired as a research geologist from the U.S. Geological Survey where he was chief of the engineering geology branch. In 1976 he received the Meritorious Service Award from the Department of the Interior. He is survived by his wife, Carol; a son, John, and a daughter, Marilyn McGill.

**Lowell Edward Redwine** (Ph.D., 1972).

An AAPG newsletter recently reported the passing of **Jim Sheller** (B.A., 1938): "I remember Jim best as a blithe spirit who preferred Gilbert and Sullivan to 'Joe Green' (Giuseppe Verdi). He also called our attention to the role of brecciated Monterey-type shale in 'lubricating' faults, serving a function similar to ball and roller bearings." Noted by Al Kerr.

**Charles H. Wacker III** (B.S., 1977) who received his M.S. in Geology from Brown University and went on to UCLA (medical school) is deceased. Charles Wacker is and will be greatly missed. He was a very bright, kind and considerate person. His imaginative, creative and witty contributions to the Weekly Intrusion were enjoyed by all who had the opportunity to read them. Kathleen (Ehlig) Proffer believes he died in 1982.

## More Lost Souls

Thanks to help from our readers, many of the lost souls from last year's list have been found. However, in a mobile society, keeping up with folks is a constant struggle. If you know the whereabouts of any of this year's list, please let us know. And to keep from becoming a lost soul yourself, please use the form on the inside back cover to inform us of a change of address.

- ABEL, MR. CHARLES E. '33  
 ADAMS, MR. SCOTT '77  
 AHMED, MR. ELANG ELHADI ALI '65  
 ALLEN, MR. HARRY BERKLEY '42  
 AMELIN, DOUGLAS F. '28  
 ANDERSON, MR. H. CLIFF '40  
 ANDERSON, MR. RICHARD T. '60  
 ANDERSON, MR. COLLIN '41  
 ANDERTON, MR. DAVID OWEN '80  
 ANDREWS, GERILYN S. '86  
 ARNOLD, MRS. MARILYN HALL '61  
 ASHER, MR. STEPHEN W '66  
 ATLURI, CHARDRASEKRA '65  
 BABCOCK, MR. JAMES M. '61  
 BARANYI, MR. THOMAS Z. '59  
 BARKER, MR. PHILIP L. '67  
 BARRETT, MR. WESLEY F. '55  
 BATENHORST, MR. RICHARD DAVID '79  
 BECKES, MR. ROBERT EUGENE '58  
 BEKEY, MR. THOMAS J. '60  
 BELL, MR. VIRGIL A '61  
 BENNETT, MR. EDWIN B. '31  
 BENSON, GARY '70  
 BLACK, MR. ROBERT W. '50  
 BLACKIE, MR. RICHARD ALAN '53  
 BORMUTH, MRS. ALLISON J. ZWEIGLER '79  
 BORNE, MR. LYNN HOWARD '8A  
 BRAGHIERI, MR. PAOLO '64  
 BRANDT, MR. GARY LYNN '68  
 BRESLIN, MS. PATRICIA. '82  
 BROOKS, MR. THOMAS SHERIDAN '81  
 BUCHOLZ, MR. THOMAS T. '58  
 BUCK, MR. DONALD LAURENCE '72  
 BUCK, MR. DONALD L. '59  
 BUDD, MR. SCOTT CHARLES '78  
 BURGESS, MR. RICHARD ALLAN '61  
 BURNETT, MR. STANLEY R. '57  
 BURTON, DR. R. K. '72  
 BUSH, MR. GORDON LOWELL '56  
 BUTLER, MR. ROBERT W '64  
 CAMERON, MR. RICHARD DOUGLAS '66  
 CANFIELD, MR. CHARLES R. '29  
 CARNEGIE, MR. VINCENT JOHN '82  
 CARPENTER, MR. EDWARD JOHN '74  
 CARPENTER, MR. JOHN K '70  
 CASSI, MR. ROBERT G. '58  
 CHAMPENY, MR. JON D. '62  
 CHARLTON, MR. RICHARD '50  
 CHARNEYM, N.W. '48  
 CHOUKROUNE, DR. PIERRE 'NA  
 CHRISTENSEN, MR. ANDREW D. '54  
 CLAEYS, MR. RONALD P. '83  
 CLARKE, MR. JOHN '58  
 CLAWS, MR. FLOYD J. '56  
 COLBATH, MR. GEORGE KENT '78  
 COOPER, MR. JESSE F. '52  
 COTTON, MR. CLYDE B. '48  
 COURTRIGHT, MR. IVAN A. '58  
 COWAN, MR. A. GORDON '50  
 CRAWFORD, DR. KENNETH EDGAR '75  
 CROSS, MR. BARTON KELBY '52  
 DASHKIN, MR. JONATHAN '84  
 DAVIS, MR. WILLIAM MORGAN '62  
 DAVISON, MR. JAMES ROBERT '77  
 DE QUADROS, MR. ANTONIO MELICIO '68  
 DELASSO, MR. RICHARD L. '56  
 DEVERE, MR. BETRAM E. '28  
 DEWIRE, MR. WILLIAM A. '25  
 DIAMOND, MR. ANDREW JEFFREY '78  
 DINAUER, MR. JEFFREY HOLLIS '73  
 DOBBS, MR. PHILLIP H. '55  
 DOBSON, MR. CHARLES V. '57  
 DUNLAP, MR. JOHN THEODORE '49  
 EAGLE, MR. ALBERT LOUIS '59  
 EAKIN, MR. THOMAS E. '41  
 EASTWOOD, MR. ALAN CHARLES '70  
 EBAUGH, MR. ROBERT M. '28  
 EBERT, MR. EARL S. '32  
 EDWARDS, MR. THOMAS A. '50  
 ELLSWORTH, MR. GREGORY '75  
 EGANHOUSE, DR. ROBERT PAUL '82  
 ENGEL, MS. LINDA SKIDELL '70  
 ERION, MR. RICHARD L. '34  
 FALCK, MR. ARNOLD '56  
 FAN, DR. ROBERT JUI LIN '77  
 FATES, MR. DAILEY GILBERT '85  
 FEHR, DR. U. '66  
 FELDMAN, MR. MARK DAVID '81  
 FISHER, MRS. MARION MILLER '74  
 FITZGERALD, MS. JENNIFER KERRY '58  
 FLEISCHMAN, MR. STANLEY '52  
 FORBES, DR. RONALD F.S. '57  
 FOSTER, MR. LEROY E. '57  
 FRANK, MR. RONALD ENGEL '71  
 FREDERICKS, MR. JOHN CHARLES '42  
 GALAY, MR. AMOS '58  
 GALLAGHER, MS. MARTHA '47  
 GILB, MR. MERLE RICHARD '42  
 GINGELL, MR. THOMAS WILLIAM '76  
 GOLDBERG, MR. JAMES '40  
 GOODRICH, MR. JAMES A. '73  
 GORDON, MR. CHARLES EDWARD '74  
 GORIAN, MR. GERALD '53  
 GORODETSKY, MR. MICHEL '62  
 GOTTSDANKER, MR. EUGENE NATHAN '36  
 GRAHAM, MR. DAVID H. '38  
 GREGORY, MR. ROBERT F. '47  
 GRIESEDIECK, MR. ALVIN F. '43  
 GRIFFIN, MR. PATRICK GEORGE '84  
 GRIFFITH, MR. HENRY M. '32  
 GRIMES, MR. ROBERT A. '47  
 GRITSEFF, MR. ALEX '51  
 GROFF, JOHN KENNETH '70  
 GUNNERSON, MR. CHARLES GILBERT '47  
 GUNTHER, MR. RICHARD LEROY '76  
 GUTTERY, MR. OTTIS DON '54  
 GUYNES, MR. GEORGE '59  
 HALL, MR. CHARLES E. '49  
 HALLIBURTON, MR. ERLE P. '41  
 HAMELIN, MR. DOUGLAS F. '28  
 HAMILTON, MR. NEIL WALLACE '56  
 HANSON, MR. BRUCE A. '53  
 HARDEY, MR. GORDON WILLIAMS '58  
 HART, MR. ROBERT LOUIS '67  
 HAUGH, DR. BRUCE NILSON '73  
 HAW, MR. BRUCE '51  
 HAYWARD, KIRK W. '81  
 HELLAND, MR. KIRK WILLIAM '83  
 HENRICKSON, MR. REX '50  
 HENRY, MR. RICHARD '57  
 HERALD, MR. FRANK B. '33  
 HETHERINGTON, MR. GEORGE E. '57  
 HIGDON, DR. JAMES CONWAY '74  
 HIGLEY, MR. JAMES CHRISTIAN '59  
 HILL, MR. HAROLD E. '42  
 HOCHSTRASSER, MS. KAREN R. '76  
 HOOD, MR. RUSSELL G '53  
 HOPE, DR. ROBERT '66



- HOPKINS, MR. ALFRED A. '50  
 HOUTMAN, MR. BAUKE HARRY '75  
 HOWARD, MR. EIRWIN V '40  
 HOYLMAN, MR. EDWARD W. '74  
 HUGHES, MR. DONALD RUSH '59  
 IMEN, MR. STEVEN MARK '78  
 IQBAL, MIR WA '63  
 JOHNSON, DR. STUART R. '66  
 JONES, MR. CECIL SANFORD '71  
 JORDAN, MR. JOHN T '38  
 JORNS, MR. ROBERT P. '34  
 JULIAN, MR. THEODORE LAURENCE '62  
 KARPINSKI, MR. ANTHONY LEON '63  
 KASTEL, MR. DEAN PAUL '57  
 KAUSHAL, DR. SUSHIL KUMAR '69  
 KELSEY, MR. JAMES WALTER '64  
 KHAN, IBRAHIM ALI '71  
 KIM, MR. DAVID KEYHYUN '82  
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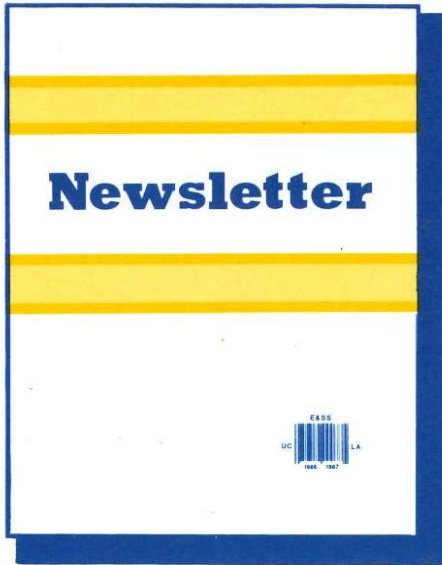
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