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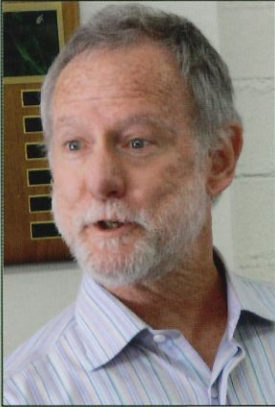
Earth & Space Sciences

Alumni Newsletter
2006



Greetings from the Chair:

Our students are making waves! You'll see a list of their Departmental awards on page 8, but here are a few of the awards they have earned in the world outside of the Earth & Space Sciences Department. **Stephanie Briggs** and **Angelo Antignano** won Dissertation Year Fellowships for 2006-07. Angelo is also the 2006 recipient of a prestigious Mineralogical Society of America Research grant for his studies of mineral solubility under conditions like those in subduction zones. The MSA makes only two such awards nationally each year. Grad student **Jesse Mosolf** has been awarded a grant-in-aid for individual research from the American Association of Petroleum Geologists. Super-TA **Melissa Giovanni** has earned the title "Teaching Fellow" from the UCLA Collegium of University Teaching Fellows—through this program, some of UCLA's very best advanced graduate students have the opportunity to develop and teach lower division seminars in their fields of specialization. **Emily Foote** earned an Undergraduate Research and Teaching Scholar Program (URTSP) award from UCLA for 2006-07. Each year the ESS Students Organization (ESSSO) sponsors a competitive all-day symposium of student presentations, with cash awards for those chosen by a panel of faculty judges. This year the top two prizes went to **Jared Leisner** and **Pamela Hill**.



Recent grads have kept up the momentum. The Geological Society of America (GSA) has presented two of our own with awards for this year. Seismologist **Elizabeth Cochran**, currently a post-doc in IGPP at the Scripps Research Institute in San Diego, won the "Subaru Outstanding Student in Science Award." And she is about to become a faculty member at UC Riverside. Geochemist **Elizabeth Catlos**, now a professor at Oklahoma State University, was awarded the prestigious "Young Scientist Award (Donath Medal)."

Our faculty are setting a fast pace, too. Mineral physicist **Abby Kavner** received a UCLA Faculty Career Development Award for 2006-07. Space physicist **Margy Kivelson** earned the honor of presenting the Birkeland Lecture to the Norwegian Academy of Science. **Bob McPherron** is President-elect of the AGU Space Physics and Aeronomy section. Congratulations to space physicist **Mark Moldwin** on promotion to Full Professor. Paleontologist **J. William Schopf** won the 2006 Centennial Botanist Award from the Botanical Society of America, and meteorite specialist **John Wasson** earned the 2005 Whipple Award from the AGU. Seismologist **Dave Jackson** (yours truly!) was named to the National Earthquake Prediction Evaluation Council. We've been in an aggressive hiring mode, which appears to be paying off—**Taylor Perron**, a quantitative geomorphologist and planetologist from UC Berkeley, will join us next year, and we are in negotiations with one of the top space physicists in the country. We'll search for two more faculty members this year (in geology and seismology), and plan to continue our searches at that pace for the foreseeable future. There have been transitions in the front office, as well. Office manager **Lonnie Larson** retired and was replaced by **Julia Sanchez**; facilities manager **David Riley** replaced **Keith Kirtz**; payroll and benefits specialist **Ellen Ledeboer** also retired; we all say hello to her replacement **Genea Taylor**; and our esteemed event planner, alumni liaison, and publications expert **Barb Widawski** is retiring and being replaced by **Chria Hazlitt**, who is already making some impact.

UCLA is developing an Environmental Sciences curriculum, unique in its exceptional requirements in basic physics, chemistry, biology, and math. We will help craft the curriculum, staff the courses and possibly attract good students into our major. With help from the College, the Office of Instructional Development, and you we intend to expand our field programs. We aim to offer field trips in as many undergraduate courses as humanly possible. (Nearly 200 students are off to see the San Andreas this weekend.) We're also exploring a plan to offer summer field in—get this—China! Ambitious, yes . . . forgettable, no!

What can you do? You can help keep the Department at the cutting edge. First, please send money! We most need graduate student support, and we are working on a fund for awarding great teaching assistants. We are also putting together a campaign to ensure that the Department has reliable field vehicles for years to come—please contact me if you can help! And please be sure to let us know about your recent accomplishments and whereabouts.

Best wishes, and please keep connected!

A handwritten signature in black ink that reads "David D. Jackson". The signature is written in a cursive, flowing style.

David D. Jackson
Professor and Chair



The view from Camp Nelson—
photo by Cecil Patrick, White
Mountain Research Station
employee and friend/colleague
of Clem Nelson

At the dedication, from left: Lauri Holbrook (BS '84),
Bob Hollingsworth (BS '79), Mike Tiffany (BS '79),
Stephanie Baer Tiffany, Steve Lipshie (PhD '84),
and Charlie Buckley (BS '79)

Dedication of Camp Nelson

The opening of the new US Forest Service campground in the Inyo National Forest—named in honor of late Emeritus Professor **Clem Nelson**—was held on Saturday, June 24, 2006. Many of Clem's family and devoted former students and colleagues were on hand to celebrate the event, which included a dedication and barbeque. Several participants camped overnight and took part in the first annual Friends of Poleta Folds campfire gathering, sharing memories of past mapping expeditions and singing songs with creative lyrics. The Friends of Poleta Folds will gather on the third weekend of June at Camp Nelson in forthcoming years; you may check at www.wmrs.edu for more information. The text on the sign at the site of the campground tells much about our beloved friend and mentor:

Clem Nelson—A Pioneer of White-Inyo Mountain Geology

Clem Nelson (1918 - 2004) was a renowned geologist who made major contributions to our understanding of the geology of the White-Inyo Mountains. He specialized in Early- to Middle Cambrian stratigraphy, was a world known expert on trilobites, and authored many geologic maps. As a professor of geology at the University of California Los Angeles from 1948 - 1987 he taught students geology from a number of field camps based in and near these mountains. The nearby Poleta Folds was one of his favorite sites to teach mapping and structural geology. He was a dedicated and inspiring teacher to both his students and colleagues. This camp is named in his memory. □

On the cover: On 18 August 2005, attired in a Russian Orlan spacesuit, astronaut **John L. Phillips** (MS '84, PhD '87), Expedition 11 NASA Space Station Science Officer and Flight Engineer, participates in a session of extravehicular activity (EVA). The 4 hour 58 minute spacewalk by Phillips and cosmonaut **Sergei K. Krikalev** (out of frame), commander representing Russia's Federal Space Agency, was the 62nd EVA in support of Station assembly and maintenance. See pages 4 and 5 for more on John's latest adventure! Photo courtesy of NASA

In this issue:

Camp Nelson
Dedication—1

Quadra Island
Reunion—2

John Phillips'
Space Adventure—4

Fiat Lux Classes—6

"Thank You"
to Donors—7

2005-2006 Awards
and Degrees—8

In Memoriam—10

Alumni News—11

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Some of the "Quadra Geological Gang" reunited—standing from left to right are Bob Hill, Shingi Kuniyoshi, Curtis Cushman, Ron Surdam, Mark Morris, Barry Hecht, and Don Carlisle; kneeling are Dale Kunitomi and Jerry Treiman

Quadra Island Reunion

Bob Hill, Don Carlisle

From 1959 through 1971 a total of fifty-three undergraduate students who had completed the field geology sequence, four to six each summer, joined Professor **Don Carlisle** in the geological mapping of Quadra Island, BC and subsequently of large sections of northern Vancouver Island. Field expenses were supported by a series of grants under the Undergraduate Research Participation (URP) program of the National Science Foundation, and several participants joined Don for two summers in a row. Initial work was by boots and boats, and eventually with added support by fixed-wing and helicopter from the Geological Survey of Canada.

After months of tireless effort, innumerable searches on the Web, well over five-hundred e-mails, and phone calls domestic and overseas, **Bob Hill**, BS '67, MS '72, with persistent encouragement from **Jerry Treiman**, BS '72, was able to accumu-

late the data to organize a reunion of all those students who worked with Don on the coast of British Columbia almost half a century ago.

The list of accomplishments of the "Quadra Geological Gang" is quite impressive. Four doctoral students, **Ron Surdam**, BS '61, PhD '67, **Kwame "Ed" Asihene**, PhD '70, **Shingi Kuniyoshi**, MA '66, PhD '72, and **Tim Lincoln**, PhD '78, undertook their dissertations on different parts of the region. Many are employed in their own or other major firms, and all but five (that we cannot yet locate) are known to have successful professional careers ranging from petroleum to mineral exploration, in the US Geological Survey, California State Geological Survey, Forest Service, Bureau of Land Management, Bureau of Mines, US Air Force, and in engineering and environmental geology, groundwater, and geohydrology. Most continued to graduate

degrees. Twenty-four attained PhDs, nine at UCLA and fifteen at other universities. Notable achievements: **Ron Surdam**, who promptly joined the faculty at the University of Wyoming, was named Distinguished Professor (now emeritus), and is currently Director/State Geologist of the Wyoming State Geological Survey. **Randy Van Schmus**, PhD '64, is a Distinguished Professor and Chairman of the Department of Geology, University of Kansas, Lawrence. **Ted Theodore**, PhD '67, retired from the USGS, Menlo Park, having made numerous contributions to regional and economic geology. **Jim Imai**, PhD in Physics, '69, is a Professor Emeritus of Physics at California State University, Dominguez Hills. **Ed Asihene** was a Senior Lecturer and Head of the Department of Mining and Mineral Engineering at the University of Science and Technology, Kumasi, Ghana, and was Acting Director of the Institute of Mining and Mineral Engineering (retired). And of added

international and mineral-economic interest, **Sigurd Heiberg**, MS, MIT, '69, returned to Norway where he is Project Manager for Statoil, the Norwegian national petroleum corporation and Project Director of Petrad. **Robert Facundiny**, PhD '70, was Director of the New York Geological Survey (retired). **Jim Dawson**, BA '65, MS '67, is a Distinguished Service Professor at the State University of New York and a New York State Regent. **Gary Raines**, PhD '74, is with the USGS MacKay School of Earth Sciences. **Joe Ritchey**, MA '68, is with the US Bureau of Mines. **Eric Force**, PhD '70, has been with the USGS and the University of Arizona. Not to mention that **Bill Gustafson**, PhD '69, **Ken Lister**, PhD '70, **Terry Chris**, BS '68, MS '71, **Jim Holman**, PhD '76, **Gary Landis**, **Steve Alpert**, PhD '74, **Ed Pruss**, BA '69, **Jim Quick**, BA '39, **Wayne Zeck**, PhD '82, and **Larry Walker**, MS '62, are all PhD recipients.

Publications and presentations on the region by the many participants include sixteen published papers and maps (three with Geological Survey of Canada co-authors), thirteen abstracts, four PhD dissertations, and two Masters theses. In almost every one of these, one or several URP participants have made substantial contributions. Special notice should be made of the essential contributions of **Takeo Susuki**, BA '49, MA '51, research paleontologist, researcher, and museum curator at the Department of Earth and Space Sciences at UCLA (see In Memoriam, page 10). His clarification of faunal and stratigraphic relations in Triassic and Jurassic rocks on Quadra Island and on much of Vancouver Island are central to many of the geological interpretations made for these areas.

Four URP participants are known to have passed away: **Charles "Ray" Givens**, BA '63, PhD from UC Riverside, a highly respected member of Nichols State University (page 10); the always cheerful **Ken Stanley**, MS '66, PhD from Wisconsin, who was a professor at the University of Nebraska and at Ohio State University; **Jerry McNey**, BA '62, one of the most energetic and

willing-to-try-tough-jobs members (page 10); and **Joey Nagel**, BS '72, who became Curator of the Geological Museum at the University of British Columbia, had married into a pioneer family on Quadra Island, and—sadly—died by auto accident in Vancouver.

THE ON-SITE REUNION took place on Quadra Island at the end of July and beginning of August, 2006. On Sunday, July 30, Bob and Janis Hill, Ron Surdam, Dale and Grace Kunitomi, Barry and Ellen Hecht, and Jerry and Nina Treiman met at Don and Gloria's abode in the beautiful Garibaldi Highlands, Squamish, BC, where they were given a tour of the new Quest University, under construction, and treated to drinks and dinner. On Monday, the Gang was off to Quadra Island via ferry to Vancouver Island, the Island Highway, Campbell River, and a short ferry ride to Quathiaski Cove on the west shore of Quadra Island, where they were joined by three more of their fellows:

Curtis Cushman, **Mark Morris**, BS '72, and his wife Donna, and **Shingi Kuniyoshi**, who is now an environmental officer with the US Air Force, having flown over from the Kadena Air Force Base on the island of Okinawa, Japan. They enjoyed camaraderie and a great informal dinner at the Heriot Bay Inn and Pub, where, in bygone days, more than a few beers were hoisted to celebrate the day's accomplishments. Tuesday, Don led a field trip to Open Bay on the east side of Quadra Island, where they experienced folded Wrangellian Quatsino Limestone and Karmutsen Volcanics, and the complex suture zone between Wrangellia and the Coast Range Batholith—followed by a leisurely tour of Rebecca Spit and the 1946 earthquake "fault" bounding Drew Harbour near Heriot Bay. The official reunion dinner took place at the First Nation's Tsa-Kwa-Luten Lodge near Cape Mudge on the southern tip of Quadra Island. After dinner, "the Gang" viewed (and laughed at) 35mm slides taken those many years BP, while geologizing in the region. On Wednesday, everyone drifted off separately or in small groups to favorite area places. Don, Gloria, and

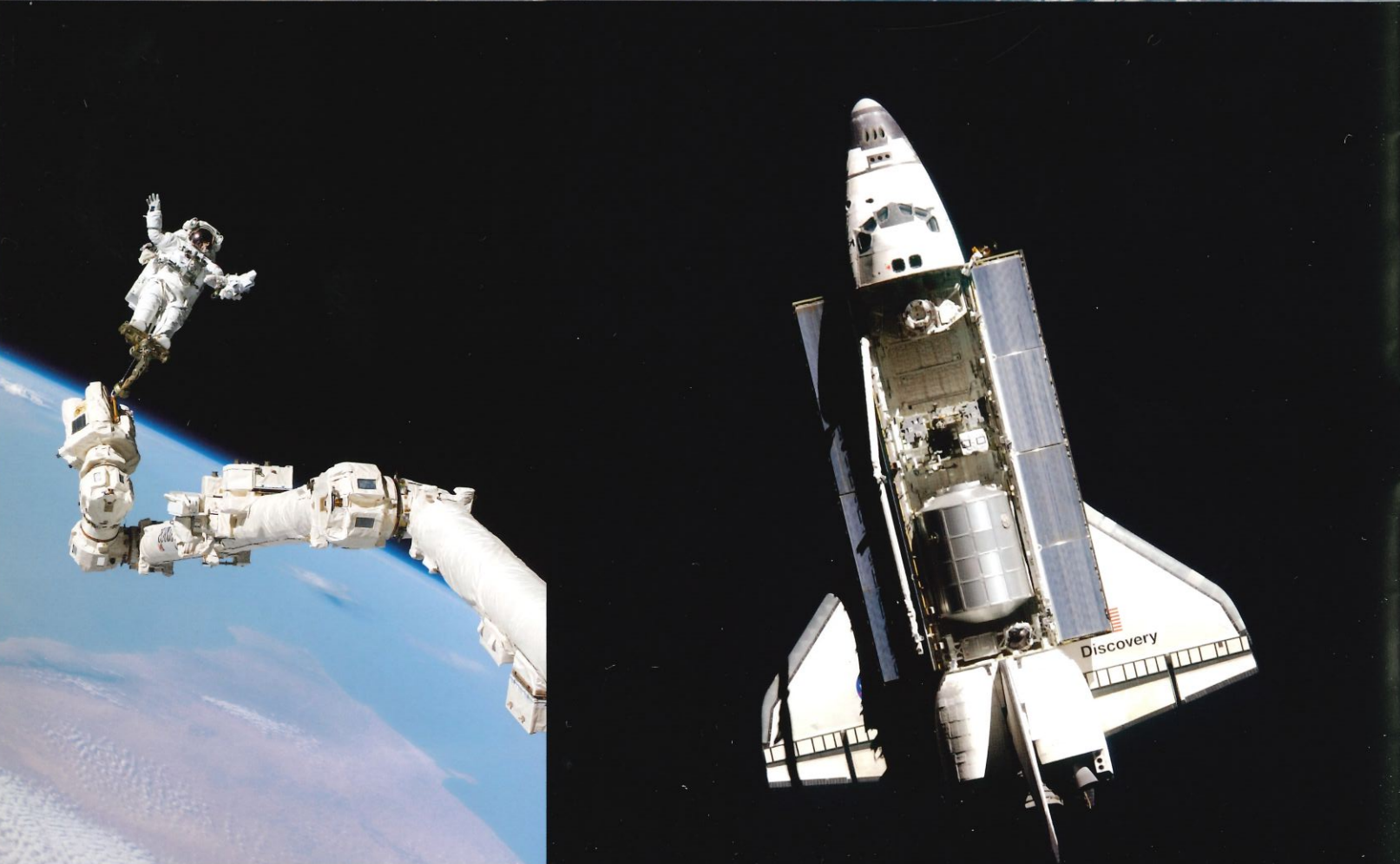
Bob Hill joined Ron Surdam on a visit to his dissertation field area along Buttle Lake on central Vancouver Island, where by a chance meeting they were treated as guests at the NVI Mining Ltd's. Westmin Operation, a massive sulfide deposit in Strathcona Provincial Park. In discussing the geology of the deposit, company geologists referred to pioneering work by Don and others who, over many years, have contributed to the understanding of the geology of this great region. Jerry and Nina Treiman drove to parts north of Campbell River on Vancouver Island to visit rugged areas that the young Jerry had trudged through thirty-five years ago.

What a great trip and a great reunion! It was an experience that Bob Hill will cherish the rest of his life—and what better opportunity to thank Don for inspiring many wonderful careers in geology!

And from Don: "What a grand opportunity and deeply emotional experience to see again friends that may have changed just a little physically, but are still alive with the same adventuresome spirit, kind personality, and good will. And to see again that unparalleled coast. Those URP summers were the most pleasurable—and I think the most worthwhile—of my entire teaching experience. For lack of better words, I'll quote Robby Burns, the poet:

*Then let us pray that come it may,
As come it will for a' that,
That Sense and Worth, o'er a' the earth
Shall bear the gree, and a' that.
For a' that, and a' that,
It's comin yet for a' that
That Man to Man the warld o'er,
Shall brothers be for a' that."* □

For addresses of "the Gang," or if you have more current information, please contact Bob Hill, 15 Healdsburg Court, Sacramento, CA, 95831; rhillgeologist@comcast.net; or Don Carlisle, UCLA Earth & Space Sciences, 3806 Geology Building, Los Angeles, CA 90095-1567; carlisle@ess.ucla.edu.





John Phillips' Excellent Space Adventure

John Phillips, MS '84, PhD '87, paid his second visit to the International Space Station (ISS)—this time for a six-month stay! After the shuttle Columbia disintegrated on re-entry in 2003, NASA shuttle flights had been discontinued, but that didn't deter John. He trained at the Gagarin Cosmonaut Training Center in Russia and took off from Baikonur Cosmodrome, the manned-launch facility in Kazakhstan, on April 14th, 2005, aboard the Soyuz spacecraft on a mission titled Expedition 11. John acted as the mission's NASA Space Station Science Officer and Flight Engineer; on Soyuz with him were cosmonaut **Sergei Krikalev**, the Expedition 11 Commander representing Russia's Federal Space Agency and the Italian representative of the European Space Agency **Roberto Vittori**. Vittori stayed for eight days, then returned with Russian **Salizhan Sharipov** and American **Leroy Chiao**, who had been aloft since October of 2004. One of John's particular duties aboard the ISS was to observe the condition of the tiles of the shuttle Discovery on its first return mission in July of 2005, and to conduct a photo survey of the exterior of the shuttle while it was maneuvering immediately below them prior to docking. Besides preparing for the return of the shuttle and greeting the first Shuttle crew to fly in more than two years, experiments conducted during the long-term mission on the station included looking into muscle loss in space, kidney stones, and radiation damage to chromosomes. Well done, John! ☐

Photos courtesy of NASA—Clockwise, from upper right:

The Space Shuttle Discovery as photographed from aboard the International Space Station during rendezvous and docking operations—a Soyuz spacecraft docked to the Station is at right.

Expedition 11 Commander Sergei Krikalev (left) and Flight Engineer John Phillips

The Space Shuttle Discovery backdropped by the blackness of space as it approached the International Space Station and performed a backflip—the Italian-built Raffaello Multi-Purpose Logistics Module is visible in the Shuttle's cargo bay

Mission Specialist Stephen K. Robinson is attached to a foot restraint on the International Space Station's Canadarm2

The International Space Station photographed over the Caspian Sea from the Space Shuttle Discovery after the two spacecraft undocked



Members of Jon Aurnou's Signs of Glaciers Past class perched on a weathering erratic that sits on the crest of the Tahoe-age Convict Lake lateral moraine

Adam Luxenberg (blue cap) describes kettle lake formation to his classmates with Gaylor Meadows and the Granite Lakes cirque forming his backdrop



Fiat Lux Classes *David Jackson*

In 2002, then-Chancellor Albert Carnesale of UCLA instituted a new kind of seminar class designed especially for freshmen. His primary motivation was to bring faculty and beginning students together in an academic environment to discuss important societal problems. The fact that the program started shortly after September 11, 2001 is no accident; following the tragedy at the World Trade Center students, faculty, and everyone else had a strong need to discuss the interactions among people, institutions, and the physical world. To meet this need, faculty were encouraged to design one-unit seminars around timely topics. Now the topics are not limited to dealing with tragedy, but rather focus on topics of intellectual interest inviting critical thinking. Students meet faculty in informal settings, generally an hour a week, with attendance limited to twenty students. The name Fiat Lux, latin for "let there be light," is the motto of the

University of California. The Fiat Lux seminars meet an important need for students, and the idea has caught on big time. From a beginning of a few dozen seminars in late 2002, the number has grown to about twenty-two offerings in 2006. We in the Department of Earth and Space Sciences have embraced the concept eagerly, having offered fourteen such seminars on a wide range of topics including evolution, earth materials, environmental processes and problems, natural hazards, space exploration, and interpreting science in the news. Many of our seminars offer field trips as well; examples include tours of the Los Angeles River, the San Andreas Fault, the Jet Propulsion Laboratory, and glaciers of the Sierra Nevada. These seminars offer students a chance to discuss issues and see the world in a way not possible in ordinary classes. Speaking for myself, it's great to meet the students face-to-face and I relish their enthusiasm. □

A very special "Thank You" to all of our 2005-2006 donors . . .

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http://www.campaign.ucla.edu/ways_to_give.html
or call Camille Harper at 310-794-9045*



Earth and Space Sciences Class of 2006—Front row, from left: Chair Dave Jackson, Elizabeth Jensen, Megan Cartwright, Daniel Gonzalez, Sara DiFiori, Catherine Shirvell, Carrie Menold, Mark Pratt, Jennifer Palguta, Colleen Milbury, Student Affairs Officer Lauri Holbrook, and Prof. Ray Ingersoll. Middle row: Steve Skinner, Prof. Mark Moldwin, David Galvan, Johnathan Larco, Aaron Heick, Prof. Robert McPherron, Prof. Abby Kavner, Prof. John Rosenfeld, Dianne Taylor, Prof. Paul Davis, and Erik Pounders. Back row: Andrew Czaja, Prof. Craig Manning, Jared Leisner, Ming-Chang Liu, Yasong Ge, Prof. Edwin Schauble, Prof. Gerald Schubert, Prof. Kevin McKeegan, Claire Spafford, Brian Weise, Andrew Wilcox, Neil Ryan McKenzie, Prof. Elizabeth Johnson

ESS Honors and Awards—2006

John & Frances Handin Scholarship

Mark Joseph Pratt

Eugene Waggoner Scholarship

Jean Elias Elkhoury
Hilary Elizabeth Strong

ESS Excellence in Graduate Student Teaching Award

Sara Elsa Cina
David Andrew Galvan
Rebecca Harrington
Anat Shahar
Jelena Tomic
Abhishek Bhasker Tripathi
Andrew Alexander Gordon Webb

Clem Nelson Scholarship

Claire D. Spafford

Clem Nelson Summer Field Award

Alan Evan Gehri
Andrew Reed Wilcox

Walter Harris Summer Field Award

Neil Ryan McKenzie

2005-2006 Earth & Space Sciences Degrees

Doctor of Philosophy

- Andrew David Czaja** *Characterization of the Geochemical Alteration of Permineralized Fossil Plants Based on Macromolecular Structure and Composition* (Professor Schopf) *Geology*
- John William Hernlund** *Dynamics Associated with Partial Melting in Earth's Uppermost and Lowermost Mantle and the Structure and Phase Relationships in Earth's "D" Layer* (Professor Tackley) *Geophysics & Space Physics*
- Carrie Aileen Menold** *The Tectonic and Metamorphic Evolution of the Paleozoic North Qaidam UHP Terrane, Northwestern China* (Professor Manning) *Geology*

Master of Science

- Darren Thomas Baird** (By Comprehensive Examination) *Geophysics & Space Physics*
- Megan Lee Cartwright** (By Comprehensive Examination) *Geophysics & Space Physics*
- Ching Ying "Queena" Chou** *Geology and Geochronology of Arunachal Pradesh, N.E. India in Reference to the Development of Himalayan Orogen* (Professor Yin) *Geology*
- Sara Jane DiFiori** *Tectonic Evolution and Lithospheric Deformation of the Paredones Area, East-Central Baja California, Mexico* (Professor Axen) *Geology*
- Kathryn Anna Dyl** (By Comprehensive Examination) *Geochemistry*
- David Andrew Galvan** (By Comprehensive Examination) *Geophysics & Space Physics*
- Yasong Ge** (By Comprehensive Examination) *Geophysics & Space Physics*
- Rebecca M. Harrington** (By Comprehensive Examination) *Geophysics & Space Physics*
- Janet Carolyn Harvey** *Fault Surface Characterization using the Modis-Aster Airborne Simulator* (Professor Peltzer) *Geology*
- Aaron James Heick** (By Comprehensive Examination) *Geophysics & Space Physics*
- Jonathan David Hunt** (By Comprehensive Examination) *Geochemistry*
- Lan Jian** (By Comprehensive Examination) *Geophysics & Space Physics*
- Jared Scott Leisner** (By Comprehensive Examination) *Geophysics & Space Physics*
- Ming-Chang Liu** (By Comprehensive Examination) *Geochemistry*
- Colleen Adrian Eleanor Milbury** (By Comprehensive Examination) *Geophysics & Space Physics*
- Jennifer Lynn Palguta** (By Comprehensive Examination) *Geophysics & Space Physics*
- Catherine Rose Shirvell** *Pliocene Exhumation along the West Salton Detachment System and Tectonic Evolution of the Fish Creek-Vallecito Supradetachment Basin, Salton Trough, Southern California* (Professor Axen) *Geology*
- Dianne Jeannette Taylor** (By Comprehensive Examination) *Geochemistry*

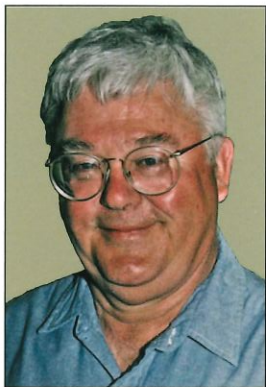
Bachelor of Science

- Zaheed U. Amilhussin** *Engineering Geology*
- Jeremy Ross Eckel** *Geology*
- Daniel Gonzalez** *Geophysics & Space Physics*
- Paul Michael Kane** *Geology*
- Johnathan Larco** *Engineering Geology*
- Neil Ryan McKenzie** *Paleobiology*
- Erik Vaughan Ponders** *Geology*
- Mark Joseph Pratt** *Geology*
- Steven Michael Skinner** *Geology/Economics*
- Claire D. Spafford** *Paleobiology*
- Brian Matthew Weise** *Engineering Geology*
- Andrew Reed Wilcox** *Geology*

In Memoriam

Charles "Ray" Givens (BA '63) passed away several years ago. At the time of his death, Ray was a highly-respected faculty member of the Physical Sciences Department at Nicholls State University in Louisiana, an esteemed scholar, and a beloved colleague.
[Judy Chauvin]

Robert L. Johnston (BA '36, MA '38) died September 24, 2002, in Laguna Hills.
[J. Douglas Traxler]



Norman Gary Lane was born in French Lick, Indiana, on February 19, 1930. He received his Bachelor's degree from Oberlin College in Geology in 1952, and his MS and PhD at the University of Kansas, where he studied with the distinguished paleontologist Raymond C. Moore. While at the University of Kansas, Gary worked both for the Kansas Geological Survey and the Canadian Geological Survey, and in 1955-56 he was a Fulbright Scholar

at the University of Tasmania. Soon after receipt of his doctorate, Gary and his new bride, née Mary Rooney, moved to the west coast where he joined the faculty of the Department of Geology at the University of California, Los Angeles. Gary was a core member of UCLA's highly regarded department, rising through the ranks to become Professor of Paleontology. In 1973, enamored by the richly fossiliferous strata of the mid-continent and the opportunities they presented for his research, he returned to his home state as a Professor in the Department of Geology at Indiana University. Though he formally retired in 1994, he remained highly active as a Professor Emeritus, teaching in the Honors Program, pursuing his research, and writing about the history of paleontology. An acknowledged world-class scientist and for many years America's leading expert on fossil crinoids, Gary Lane's legacy is far more than just his science. Throughout his career he was an outstanding and popular professor, an admired role model, and recipient of teaching awards. He had an infectious love of learning, not just about fossil crinoids but about geology, paleontology, natural history, and the historical development of science. A consummate interdisciplinary scientist, Gary had broad integrative knowledge of the natural world. He was a devoted husband and father; his and Mary's son and two daughters have all gone on to successful careers. Gary Lane died in Bloomington, Indiana, on January 14, 2006.

[J. William Schopf, William Ausich, J. Robert Dodd, Clarence Hall, Robert Parsley, and Gary Weber]

Anthony Lloyd-Morris (MA '60) died June 16, 2005, in Laguna Beach.
[J. Douglas Traxler]

Jerrold L. McNey (BA '62) passed away on June 23, 2005, from lung cancer after fighting it bravely for almost four years. After Jerry graduated from UCLA, he went to work with the County of Los Angeles for a year, then joined Moore & Taber, a soils engineering and geologic firm based in Orange County,

as an engineering geologist. In 1965, he took a sabbatical to try for his PhD in marine geology at UCLA. After completing his first year, his professor returned to Scotland, and Jerry decided not to continue, since no other professor would be able to mentor him. He returned to Moore & Taber, working on many projects in southern California, Nevada, and Catalina. About 1971, Jerry joined Southern California Edison Company as an engineering geologist and later retired after 25 years. At Edison he worked with water quality projects, San Onofre nuclear power facilities, gas storage, and many others. His favorite project was a week-long trip on a helicopter, mapping from Four Corners north through several states. Jerry met his wife May at Moore & Taber in 1963—their son Garrick is a mechanical/electrical engineer at Moog Industries. Besides his family, Jerry was passionate about his garden and bonsai (miniature trees in a pot)—he donated a windswept juniper to the Golden State Bonsai collection at the Huntington Library and Gardens in San Marino, and after his death the remainder of his trees were donated to the annual fund-raiser for the endowment for the Huntington collection.
[May McNey]

Takeo Susuki, (BS '49, MS '51), passed away peacefully at home on September 14, 2006—he was 86 years old. Takeo's geology education was started before World War II. Because he was Japanese American, when the war broke out he joined the much-decorated Japanese-American 442nd Regimental Combat Team, the infantry division which slogged its way up the boot of Italy into the European theater of battle, leading the charge in the infamous battle of Monte Casino and in the liberation of the Nazi Dachau Concentration Camp in Poland—their motto was "Go for Broke." Returning to Los Angeles after the war, Takeo discovered the problems that Japanese American citizens had finding jobs—war hero or not, he was unable to find work. He finished his Bachelor of Science degree, and under the mentorship of Professor "Parky" Popenoe, stayed on at UCLA where he ended up working for four decades as the departmental Museum Curator and teaching classes in paleontology and fossil photography. During those years he slowly completed the requirements for his PhD in Paleontology from Tohoku University in Sendai, Japan, producing a dissertation on the rich fossil assemblages of the Topanga Canyon area of Southern California. Takeo was active in his Japanese and American communities, and he volunteered diligently to raise money and awareness for cancer research and organ donation, having lost his eldest son Nick to leukemia in the 1980s. He was also active in the Nisei Baseball Research Project, a non-profit organization committed to preserving the "hidden legacy" of Japanese Americans in baseball—an interest that may have stemmed from his days with the 442nd or perhaps before. Takeo is survived by his sons Andy and Mark, their wives, and assorted grandchildren.



[Vicki Doyle-Jones]

Alumni News

1949

Richard E. Lonsdale, BA (PhD in Geography '60 from Syracuse), says his geology degree served him well through the years. At first he worked for the CIA in Washington, DC, then did his doctoral work in geography at Syracuse University, receiving a Ford Foundation grant for study in Moscow. He subsequently held teaching positions in geography at SUNY-Binghamton, UNC-Chapel Hill, University of New England (Australia), and finally University of Nebraska-Lincoln as Geography Chair and Dean of International Affairs. The UCLA highlight for Richard was the summer 1949 field camp at Cortez, Nevada, working with fellow students **Bill Montz** (BA '50), **Bob Black** (BS '50), **Joe Pelling** (MA '53), **Dick Noble** (BA '49), and **Fred Hantsch** (BA '49)—and riding in **Jerry Petrie's** (BA '50) huge air-cooled 1929 Franklin car!

1950

Earl W. Hart, BA, retired from the California Geological Survey in 1994, but continued work as a retired annuitant and voluntary researcher. His final efforts on Ridge-top Spreading in California were published as a CD-ROM in 2004 by CGS. For editing this electronic publication, the Association of Engineering Geologists presented him with the Claire P. Holdredge Award for his outstanding contribution to the field of

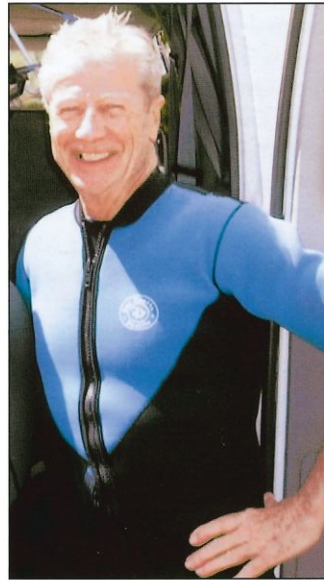
engineering geology—"What a surprise! And what a way to finally retire!"

1951

Norman Bradley, BA, a civil engineer and geologist, recalls that his summer field class in 1951 had forty-five men from UCLA and another fifteen from Pomona College. They camped in an abandoned silver mine in Mineral Hill in the Sulphur Springs Mountains between Eureka, California, and Elko, Nevada—**Bennie Truxel** was the camp manager, and it was "a good summer field experience!"

Frank W. Dickson, BA (PhD '56), is a Research Professor at the Department of Geological Sciences and Engineering at the Mackay School of Earth Sciences and Engineering in Reno, Nevada. He tells us that his PhD was the first in the Geology Department at UCLA to combine field work (study of materials collected at 52 mercury deposits and occurrences) with experiments. Frank is widely published, and has a book in progress on the roles of Poincaré, Popper, and Prigogine in modern science and the slow acceptance of changes by the public and scientists. This is a topic of particular concern for Frank, as the slow acceptance of his own concepts as applied to storing underground waste could be disastrous for humanity. "Even scientists and technicians are not aware of the danger, and politicians are going full steam ahead in their plans." Frank presented a paper at the national meetings of

the GSA in Philadelphia in October; his talk dwelled heavily on studies of the Papoose Flat pluton, which led to Frank devising the reaction cell to explain passive entry of granite. It was part of a symposium honoring **Charles Guidotti** that will be published—the GSA will send the symposium presentations out on the WWW for all interested parties to see.



Don Lindsay

1952

Don Lindsay, MA, (see photo above) is a member of the National Center for Science Education. He and his wife Paula live in Pacific Grove on Monterey Bay and enjoy world traveling—this included a bungee jump from the Kawerau Bridge in New Zealand at age 76 "Thrilling!"

1955

Kaye McCown, BA, has been in the oil business for 50 years, and still is—he and his partner have drilled several oil wells this year.

1962

Aristidis Roubanis, MS, is "73 years young." He had

some memorable academic years in what was then the Geology Department. After graduating, he joined the Panamerican Petroleum Corporation in Lubbock, Texas, as an exploration geophysicist. In 1965 he became a groundwater exploration and development geologist for the Saudi Arabian government; in 1967 he started twelve years as superintendent of the Geological and Mining Institute of Greece; from 1975 through 1981, he worked for THUMS Long Beach as a petroleum development engineer and production engineer; for the next 11 years he progressed from senior production engineer to production superintendent of what was initially the Champlin Production Company, a subsidiary of Union Railroads, which then became the Union Pacific Resources Company, from which he retired in 1992. Aristidis has two sons—both chemical engineers—and four young grandsons.

1966

Shingi Kuniyoshi, MA (PhD '72) has worked for the US Geological Survey, Bureau of Land Management, and Forest Service. He changed employment to the Air Force in 1993, and last year moved from March Air Reserve Base in Riverside, California, to Kadena Air Base in Okinawa, Japan, where he is an environmental program manager. Shingi was excited to be attending the reunion organized by his classmate **Bob Hill** (BS '68, MS '72) of emeritus Professor **Don Carlisle's** former students in British Columbia last summer (see page 2).



Dorothy and John Oehler

1973

Dorothy Oehler, PhD, (see photo, left) worked for Conoco for more than 20 years in international exploration as a new ventures geologist. Her work took her all over the world, but perhaps one of the more notable times was when she was in Kazakhstan in the early 90's during the attempted coup of Gorbachev's government. Dorothy left Conoco in 1999 and now works at NASA-Johnson Space Center where she consults for the Astrobiology group on microbial preservation, biogenicity, Martian methane and Martian basin analysis.

John Oehler, PhD, (see same photo above left) worked for Conoco for 23 years in international petroleum exploration, where his work as a geologist and manager took him to more than 35 countries, including such hot spots as Somalia and Angola during their respective civil wars. In 2000, John left Conoco to try his hand at writing scientific thrillers! He now has two books in the works, one of which recently won first place in a major writers' competition, and he has an agent in New York who is representing him.

Peter Vaughan, MS, is now working for the Agricultural Research Service of the USDA at the San Joaquin Valley Agricultural Sciences Center in Parlier, California, as a research hydrologist specializing in evapotranspiration and soil salinization in agricultural lands.

1976

Michael Garcia, PhD, lives in Hawaii and is a professor at the University of Hawaii. He was delighted to learn that a campground was dedicated to **Clem Nelson**. Mike was Clem's teaching assistant back in 1975 for two classes, including mapping of the Poleta Folds. They went on several camping trips together with the California Geology class, and Clem was a member of his dissertation committee (he loved questions about regional geology). Mike visited Clem in Bishop shortly before he passed away, and is "sure he is delighted by this honor as he watches us."



Newlyweds Thomas and Kathleen (Ehlig) Riedel

1977

Kathleen (Ehlig) Riedel, BS (MS, '86 from CSULA), was married on March 19, 2005 to Thomas Riedel (see photo above). The marriage ceremony was extra special, because Kathleen's UCLA summer field of 1977 mapping partner, **Elizabeth (Horton) Erickson** (BS '78) was the minister conducting the ceremony—and she did a fantastic job! Kathleen has

been employed as a geologist with Fugro West, Inc. since August of 2002.

1984

Steve Lipshie, PhD, led a series of four annual one-day field trips for non-geologists, each to a different place in the region between Bishop and Lee Vining, California—they were done as a fundraiser for SNARL (Sierra Nevada Aquatic Research Lab), which is a research station run by UC Santa Barbara.

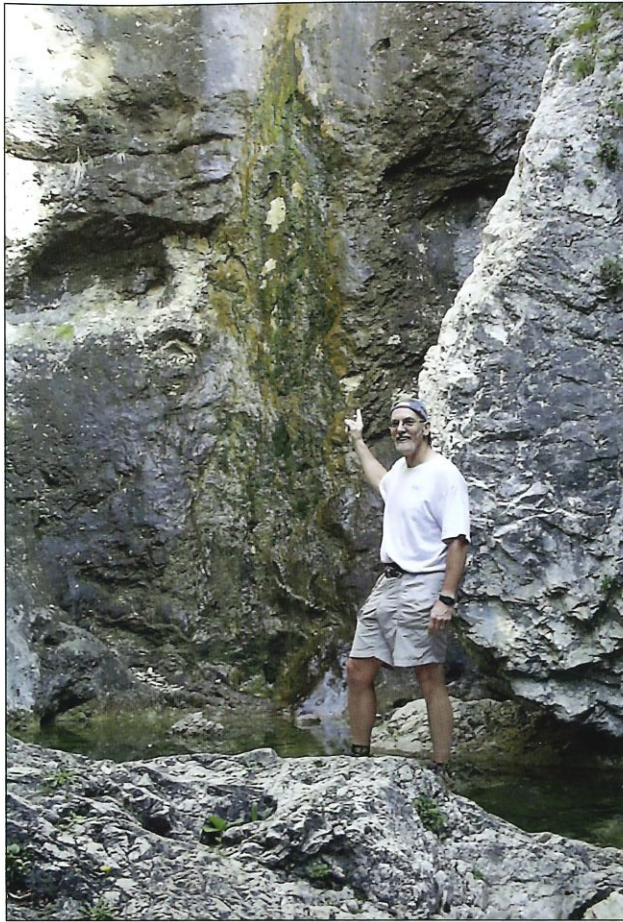
1987

Steve Blount, BS, is a patent attorney and lives in Arlington, Virginia. He regrets the recent loss

of some of the Department's bedrock faculty members, including his friend **Clem Nelson**.

1991

Shawn Doherty, MS, wrote us from Frankfurt, Germany, where he currently serves as the Managing Director of European Operations for Environmental Resources Management (ERM), the world's largest Environment, Health & Safety (EHS)-only



Bob Ilchik in the Dolomites

consultancy. Prior to moving to Europe in April of 2005, Shawn spent 13 years in Houston, Texas, consulting to oil & gas and chemical clients on EHS matters. He was inspired to write after reading the obits of **John Christie**, **Helen Loeblich**, and **Clem Nelson**, all of whom were mainstays during his days at UCLA. And Shawn says that he had the great fortune of running into **Bob Ilchik** (PhD '90) in Italy last Fall—Bob is married to a lovely Italian geologist he met in Tucson, and they now live in Sydney, Australia. Shawn caught Bob on holiday at his in-laws, where they went for a decent hike into the Dolomites (see photo above), ate fantastic food, and stayed up late drinking Bob's father-in-law's red wine and grappa!

1993

Mike Murphy, BS (MS '97, PhD '00), was proud to tell us that his wife Beth gave birth to their second daughter on August 9th. Mike was happy to have made it back from the field in Tibet in time for her arrival (see photos, below).



1994

Paul Belasky, PhD, was recently appointed to the board of the UC Berkeley's Institute of Slavic, East European, and Eurasian Studies. He's on sabbatical leave from the Ohlone College, and spends much of his time in Russia, continuing research on the Late Paleozoic paleobiogeography and stable-isotope paleothermometry. He is also working on an unusual project in history of geology called "The real geopoetry, or why we are geologists—the Geological School of modern poetry at the Mining Institute, St. Petersburg, Russia." This study will include poems by Russian poet-geologists, which Paul has translated with the help of UC Berkeley's faculty and graduate students in Russian literature. Paul has given talks and read these poems to geology students and faculty, and plans to continue doing so in the future.

Stephanie Sibbett, BS (MS '96 in Hydrogeology at Clemson University), is a hydrologist and project manager for The Boeing Company, working on environmental remediation projects in Southern California. She met her

husband, **Brad Brutocao** (BA '95) at UCLA—they were married in 1999. They have a 3-year-old son, Nathan, and welcomed a baby girl, Anna, in April 2006.

1995

Mark Benthien, BS, earned his Master of Public Policy degree from the University of Southern California (USC) in 2003, after getting his BS in Geophysics here at UCLA. He is now Director for Communication, Education, and Outreach (CEO) for the Southern California Earthquake Center (SCEC), headquartered at USC. This entails communicating earthquake knowledge to end-users and the general public, in order to increase earthquake awareness, reduce economic losses, and save lives. To do this he (1) coordinates productive interactions among SCEC scientists and with partners in science, engineering, risk management, government, business, and education; (2) manages activities that increase earthquake knowledge and science literacy at all educational levels; (3) leads efforts to improve earthquake hazard and risk assessments; and (4) promotes earthquake preparedness, mitigation, and planning for response and recovery.



Baby Carter Murphy above, and big sister Camden left.

1996

Tom C. Meseroll, MS, is the Director of Systems Engineering for Boeing's Space and Intelligence Systems in El Segundo. He manages systems engineers at sites throughout southern California—they support a variety of different space and intelligence systems for customers that range from XM Radio and DirectTV to NASA and the CIA. It has been Tom's pleasure to have been able to contribute to the careers of a few UCLA

alumni, such as **Jennifer Newbury** (MS '96, PhD '00) and **Michelle (Ong) Fong** (MS '91) from the Space Physics group, **Debbie Huddleston**, who had a post-doctoral position in the Space Physics group, as well as **Micah Shamash** and **Neetha Iyer** from the Engineering Department.

2000

Yongli Wang, MS (PhD '03), finished a little more than two years of postdoc study at Los Alamos National

Laboratory, and has now moved to NASA/Goddard Flight Center in Maryland. His major tasks there include ST5 data processing and analysis, a flux transfer events study using Cluster and other satellites, a ring current study, tail and global magnetosphere simulations, and any other interesting topics that arise during these studies.

2004

Jennifer Garrison, PhD, returned to the Los Angeles

area to teach at California State University, Northridge, after having endured a couple of winters doing a National Science Foundation Margins postdoc at the University of Iowa.

2005

Alex Robinson, PhD, is a new faculty member in the Department of Geosciences at the University of Houston. He and his wife are expecting a baby in December—about now!

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